

Reynolds lime below 7,700 feet, the Morgan A-1, discovery well in the Shuler area. It is producing 550 barrels of high gravity oil daily. There are 10 wells producing from the shallower Morgan sands around 6,000 feet, with total daily production of 3,133 barrels.

An allocation order for the Miller county section of the Rodessa field also became effective January 1 and limited production of the 75 wells in the county on that date to total daily production of 10,329 barrels. Wells in both the Shuler and Miller county fields completed after the date of allocation will be allowed daily productions equal to an amount they would have been allowed to produce had they been in production the first of the month.

Allowables To Be Set Monthly.

On the twenty-third of each month officials of the Conservation Department will establish per well allowables for all wells in both fields for the following month. At its regular meeting this week the Conservation Board adopted rules and regulations for casing and drilling programs in the new Buckner area of Columbia and Lafayette counties and declined to grant the request of Gov. Carl E. Bailey for another 30-day postponement of the effective date of the allocation order for the Miller county field.

The Marine Oil Company obtained permit this week to drill the D. M. Justiss No. 4 test in the center of lot seven in the northwest quarter of section 18-18-17 in Union county to the big lime formation. The same company obtained permit to drill the M. D. Justiss No. 3 test located 330 feet south and 330 feet west of the northeast corner of the northeast quarter of lot seven in the northwest quarter of section 18-18-17.

C. E. Hays and associates obtained permit to plug and abandon the State of Arkansas No. 3 test located in the northwest corner of block 23 in Fulton, Ark., the same being located in the north half of section 20-13-26 in Hempstead county.

OIL NEWS Well Total Continues To Grow Weekly

1-16-38

Special to the Gazette.

El Dorado, Jan. 15.—Completion of two more wells in the Jones sand of the Shuler field and the sixty-third producer in the south Miller county field featured oil activities in south Arkansas this week.

The completions in the Shuler field brought to 11 the number of wells producing in the Jones sand in addition to 10 in the shallower Morgan sand and one from the Reynolds lime at a deeper level. The new completions in the Jones sand are the Morgan C-1 test of the Lion Oil Refining Company in section 18-18-17, a joint operation of that company and the Phillips Petroleum Company and the Jones, Murphy and Hurley interests. The test was completed early this week for a producer estimated at from 8,000 to 10,000 barrels daily if allowed without restrictions.

The second completion was the Jennings No. 1 of the Phillips company, located in section 18-18-17. The test was completed Tuesday night for a producer estimated at from 3,000 to 5,000 barrels daily. Casing was set in the well at a depth of 7,708 feet, with total depth of the hole at 7,733 feet. More than 60 feet of heavily saturated sand were cored in the test from 7,551 feet to 7,626 feet. Casing was perforated from 7,562 feet to 7,586 feet and from 7,592 feet to 7,598 feet. The well was pinched down to come within the 333 barrels daily allowed by the state Conservation Board. Other wells in the field are allowed to produce 400 barrels daily, but the Jennings well's production is limited to 333 barrels daily because it is on a tract land less than 20 acres.

Coring Starts on Morgan No. 3.

Coring was started this week on another test in the Shuler area, and three other tests in the area are nearing the coring stage. Operators on the Morgan No. 3 of the Alice Sidney Company in section 18-18-17 started coring at 7,515 feet on the test. The first core from 7,515 to 7,535 feet showed 10 feet of hard gray shale and nine feet of fairly porous sand. The next core from 7,535 to 7,555 feet showed 15 feet of slightly broken sand. Operators are reaming to the bottom of the hole and will continue coring.

Other tests nearing the coring stage are the Justiss No. 2 of the Phillips Company in section 18-18-17, which is drilling below 7,504 feet; the Marks No. 2 of the same company in section 18-18-17, drilling below 7,495 feet; and the

Morgan B-4 of the Lion Company in section 18-18-17, drilling below 7,345.

Drilling is under way on five other tests in the area and five other tests are expected to be started in a few days. Operators on the Fee No. 3 test of the Marine Oil Company in section 17-18-17 are trying to get past an obstruction in 10-inch casing near the top of the hole. Total depth of the well is 7,175 feet. The same company is drilling below 1,704 feet on its Justiss No. 4 test in section 18-18-17, and is rigging up on the Fee No. 4 test in section 17-18-17.

The Phillips company is drilling below 5,987 feet on its First National No. 1 test in section 17-18-17 and below 450 feet on its Rosen No. 2 test in section 18-18-17.

The Lion Company is drilling below 1,763 feet on its Morgan B-5 test in section 18-18-17, and is preparing to start operations on four other tests. They are the Morgan C-2, in section 18-18-17; the Marine No. 2 in section 17-8-17; the Morgan A-4 in section 18-18-17, and the Miller A-1 in section 18-18-17.

The Phillips Petroleum Company has made location for a new test in the Shuler area which is an extension to the southeast. It is in section 20-18-17, and is the first drilled in that section. It will be the Marine No. 1 test, located 330 feet south and 330 feet west of the northeast corner of the northwest quarter of the northeast quarter of the section.

The latest completion in the Miller county field is the Capps B-1 of Roberts Brothers in section 19-20-28, which was completed Wednesday for a big producer. Early completion of the Treadway No. 1 test of S. O. Thompson in section 10-20-28.

Production in the Miller county field last week from 59 producing wells was 9,499 barrels daily or an average of 161 barrels daily per well under the allocation order. Daily average production from the three producing zones in the Shuler field is 8,193 barrels from the 22 wells in the field.

Ten producers from the Jones sand are flowing at the rate of 4,708 daily or an average of 428 barrels each. The allocation order limits the Jones sand wells to an average of 400 barrels daily. The 11 producers in the Morgan sands are producing 2,927 barrels daily for an average of 292.7 barrels each. The one producer in the Reynolds lime is producing at the rate of 558 barrels daily. The Morgan sands and the Reynolds lime are not affected by an allocation order, although the state Conservation Board is expected to consider allocation of production for the Reynolds lime at its regular meeting in February.

Six Drilling Permits Issued.

Six drilling permits were issued this week, and logs of 10 wells were filed. The Phillips Petroleum Company obtained permit to drill the Louis Rosen No. 2 test, 330 feet from the south and east lines of the southwest quarter of the northeast quarter of section 18-18-17 in Union county.

Lillian Taubel of Shreveport obtained permit to drill the H. L. Tatum No. 1 test, 520 feet west and 500 feet south of the northeast corner of the southeast quarter of section 18-16-22 in Lafayette county. The Lion Oil Refining Company obtained permit to drill the Edna Morgan A-4 test, 430 feet east of the west line and 330 feet south of the north line of lot one in the southwest quarter of section 18-18-17 in Union county. F. L. Layton of Hot Springs obtained permit to drill the Hugh McCellar Estate No. 1 test 330 feet north and 330 feet west of the southeast corner of the fractional west half of the fractional west half of the fractional section 15-20-28 in Miller county.

The Marine Oil Company obtained permit for the Marine No. 4 test, 330 feet and 480 feet south of the northwest corner of the southwest quarter of the southwest quarter of section 17-18-17 in Union county. The Lion Company obtained permit to drill the Frances Miller No. 1 test located 330 feet east and 330 feet north of the southwest corner of the northwest quarter of the northeast quarter of section 18-18-17 in Union county.

Logs were filed for the following tests: Mrs. Sarah Girard, No. 1 test of the Ozark Natural Gas Company, in Sebastian county; E. S. Terry No. 3 of the Layton Oil Company, in Miller county; the G. A. Baker No. 1 of the Ozark Natural Gas Company in Franklin county; the C. M. Crumpler No. 1 of the Tide Water Associated Oil Company in Columbia county; the C. C. Guttery No. 1 of O. F. Whitaker in Ouachita county; the Marine Fee No. 4 of Edwin M. Jones in Union county; the Marine No. 1 of the Lion Oil Refining Company in Union county; the Hopkins No. 1 of W. L. McClannahan in Miller county; the B. H. McDonald No. 1 of the Ozark Natural Gas Company in Sebastian county; the T. J. Hopkins No. B-1 of the McClannahan Oil Company in Miller county.

New Producer Due In Extending Lisbon District Field.

Special to the Gazette. 1-16-38

Shreveport, La., Jan. 15.—A looming three-quarter mile extension of production in the Lisbon district, Caliborne parish, and addition of a second oiler from the Travis Peak zone in the Cotton Valley field, Webster parish, topped development activity this week in the Shreveport area.

Announcement of a deep test in the Bethany district, Panola county, Texas, by the Texas company, starting of activity at a second well in the Buckner oil area of Columbia county, Arkansas, and preparations to test a Ouachita county, Arkansas, wildcat, also shared interest.

New interest shifted this week on the Cotton Valley field, where recent activity has been to the 8,200-foot lower marine gas-distillate zone, with completion of a second producer from the Travis Peak oil horizon by W. G. Ray at Stewart 1, Section 33-21-10, three miles southwest of the discovery producer from this formation. Bottomed at 5,814 feet, with 15 feet of sand, it made 33 barrels hourly through one-inch choke. About 20 wells have missed the sand.

Third Well Looms.

As the week closed, a third well loomed as A. G. Oliphant's Hodges No. 1, Section 34-21-10, found saturation in this zone from 5632-50 feet. It is a mile northeast of Ray's Stewart producer.

A new producer from the Lower Marine was added this week in the area by Magnolia Petroleum Company at Crich-ton No. 1, Section 33-21-10, flowing 85 barrels distillate hourly through 7-16 inch choke at 8,332 feet.

The Texas Company announced plans for drilling a 9,000-foot test to the Lower Marine horizon in the Bethany area of Panola county, Texas, part of which extends into Louisiana. The spread will be over 2,282 acres, leased from Claude Adams. Deepest test drilled in the area was United Gas' Werner 11, D. B. Jones survey, which went to 5,860 feet in the Travis Peak.

Clarence Taubel et al. spudded and cemented surface casing in Tatum No. 1, Section 18-16-22, three-quarters of a mile southwest of Standard of La's McKean No. 1 discovery oiler at Buckner, Columbia county, Arkansas. It is the first new test for the area.

In Ouachita county (Ark.) A. H. Tarter of Shreveport was drilling plugs in Dean 1, Section 16-14-19, to test good show of heavy oil logged in the Nacatoch sand at 1,320 feet. The hole was plugged back from 2,225 feet and casing set for the test.

C. R. Schuster's Lloyd No. 1, Section 2-20-5, three-quarters of a mile southwest of production in the Lisbon field, Claiborne parish, Louisiana, was closely watched as it prepared to test as the week closed. The well logged 10 feet of porous lime, well saturated from 5,257-71 feet.

\$100,000 Lease Bought.

Union Producing Company this week purchased half of the lease holdings and two Glen Rose gas-distillate producers in the Lake Bistineau area of Bienville parish from the DeSoto Oil & Gas Company for \$100,000 cash. The latter company opened the old area to Glen Rose pay last year.

W. E. Hall et al. of Shreveport was arranging to deepen the Locke No. 1, Section 9-15-10, Bienville parish wildcat abandoned by McDowell et al., to the Glen Rose zone around 5,200 feet.

In the Shongaloo area, Webster parish, Magnolia Petroleum Company's Section 1, Section 32-23-9, Lower Marine test, was past 5,110 feet in the Besal part of the Glen Rose, which failed to show anything. Standard of La. et al.'s Brownfield 2, Section 5-19-5, Lower Marine test at Sugar Creek, Claiborne parish, was past 8,835 feet in this formation with no show.

Another Lower Marine wildcat, W. J. Furlong's Clark No. 1, Section 10-20-7, Morehouse parish, was in this formation at 5,495 feet looking for its first sand. In Red River parish, Arkansas Fuel Oil Company's Franklin 1, Section 20-11-9, was past 6,448 feet and Bienville, Gulf Refining Company's Goodville No. 1, Section 25-14-8, was below 7,080 feet.

Second producer for the 3,100-foot oil horizon in the Sligo gas district, Bossier parish was completed this week by Triangle Drilling Company at Herold B-1, Section 13-17-12, flowing 228 barrels of oil and 1,000 barrels of salt water in 24 hours through one-inch choke.

Review of Ark ansas Oil Fields

Three Shuler Field Wells Being Cored

Democrat 1-16-38
Rich Sand Penetrated
and Developments This
Week Expected.

El Dorado—Coring operations in rich oil formations in the Jones sand were continued Saturday on three tests in the Shuler area, west of El Dorado, and operators on another test were nearing the coring stage.

Deepest well in the area is the Morgan No. 3 of the Alice Sidney Company, coring in heavy saturated formations below 7,580 feet. Coring was started on the test two days ago and it is expected that it will be continued over the week-end.

Operators on two tests of the Phillips Petroleum Company, in section 18-18-17, continued to core rich formations below 7,500 feet.

Cores in the Justiss No. 2 were taken from 7,527 to 7,552 feet, showing good oil saturation, and cores were taken in the Marks No. 2 from 7,520 to 7,545 feet, also showing good oil saturation. Operators on both tests are now reaming to the bottom of the holes and will continue coring.

The Lion Oil Refining Company is drilling below 7,440 feet on its Morgan B-4, in section 18-18-17, and is expected to start coring in a few days. Seven other tests in the area are drilling at various depths and operations on six others are expected to start soon.

Saturday's drilling report follows: Lion Phillips and Jones' D. S. and J. C. Morgan C-1, SE quarter 18-18-17, completed as producer, good for 80 barrels per hour. Lion's Morgan B-4, SW quarter, 18-18-17, drilling at 7,440 feet. Lion's Morgan B-5, SE quarter 18-18-17, drilling at 2,295 feet. Lion's Marine No. 2, East half SE quarter 17-18-17, rigging up. Lion's Morgan A-4, lot 1, SW quarter 18-18-17, set 105 feet of surface casing. Lion's Miller No. 1, NW, NE 18-18-17, building derrick. Lion's Morgan C-2, SE SE 18-18-17, location made.

Marine's Fee No. 3, NW SW 17-18-17, drilling at 7,175 feet. Marine's Fee No. 4, SW SW 17-18-17, rigging up. Marine's Justiss No. 3, Lot 7, NW quarter 18-18-17, location made. Marine's Justiss No. 4 center, Lot 7, NW quarter 18-18-17, waiting on casing at 1,760 feet.

Alice Sidney's D. S. and J. C. Morgan No. 3, NE quarter SE quarter 18-18-17, coring below 7,375 feet in heavily saturated sand.

Phillips' Jennings No. 1, SW quarter NE quarter 18-18-17, casing set at 7,708 feet, total depth 7,733 feet; producing 55 barrels hourly on 40-64-inch choke. Phillips' Justiss No. 2, Lot 6, NW quarter 18-18-17, cored to 7,552 in heavy oil saturation, reaming to bottom. Phillips' Marks No. 3, Lot 2, SW quarter 18-18-17, cored to 7,545 in heavy oil saturation, reaming to bottom. Phillips' National No. 1, NE, SW, 17-18-17, drilling at 6,169. Phillips' Rosen No. 2, NE, SE, 18-18-16, drilling at 1,052 feet. Phillips' Marine Fee No. 1, NW, NE, 20-18-17, location made.

Week Devoid Of Sensation In Louisiana

Democrat 1-16-38
Lisbon Field May Be Ex-
tended—Arkansas Gets
Two New Wells.

Shreveport, La.—Indications of a three-quarter-mile southwest extension of the Lisbon field in Claiborne parish, and indications of a third well from the Travis Peak in the Cotton Valley field, Webster parish, featured north Louisiana oil developments during the past week.

Following in the wake of completion of W. G. Ray Drilling Company's No. 1 Stewart, section 33-21n-10w, as the second Travis Peak oil well at Cotton Valley, it gauging 35 barrels hourly through quarter-inch choke. A. G. Oliphant last week logged eight feet of Holloway (Travis Peak) formation, showing oil, at 5,632 to 5,640 feet in No. 1 Hodges, NW 1-4, section 34-21n-10w, and ran an electrical logging device before deciding whether to complete the well in the Travis Peak or continue to the 8,000-foot lower

Marine, original goal.

Ray's No. 1 Stewart is approximately one mile southwest of Oliphant's test and is three miles southwest of Ohio Oil Company's No. 6 R. L. Holloway, section 23-21n-10w, completed in the Travis Peak in August, 1936, and which has made approximately one-fourth million barrels of oil since its completion, still averaging 480 barrels daily.

C. R. Shuster's No. 1 Sallie Loyd, section 2-20n-5w, Claiborne parish, three-fourths mile southwest of Lisbon production, was setting final casing string after logging 12 feet of saturated basal Glen Rose lime. Total depth is 5,371 feet. If it is a commercial well it will cause a widening in that direction of contour lines for those regarding Lisbon as a structure mapped around Union Producing Company's old No. 1 Meadows, section 13-21n-5w, that went to 6,712 feet, and has seeped oil ever since abandonment several months before the discovery well at Lisbon was begun.

Standard Oil Company of Louisiana, which has several hundred acres of productive territory at Cotton Valley, and recently completed two gas-distillate wells there in the lower Marine, has decided to "farm out" its Cotton Valley acreage due to the fact that it has no gas outlet at present. The name of the Union Producing Company (United Gas) has been linked with the report as the company which will secure the acreage.

Union Producing Company, for a listed consideration of \$100,000, has purchased the gas rights on the block of several thousand acres owned by DeSoto Oil and Gas Company (R. O. Roy) of Shreveport, in township 16 north, range 10 west, with the two present gas-distillate producers thereon. Union will connect to the two wells immediately. The DeSoto company retains all oil rights on the block, which is practically all in Bienville parish.

Curative work still continued last week in the block of E. T. Oakes, H. D. Easton et al., around their No. 1 Griggs, section 36-18n-1w, Lincoln parish wildcat, that showed good resistivity and porosity in basal Glen Rose lime at 5,932-41 feet. Several miles west of this test location for Gigantic Oil Company's No. 1 Sanderson, section 5-18n-1w, which spudded to 179 feet, has been abandoned.

Negotiations are under way among companies owning acreage in the block around Joe Modisett et al.'s No. 1 Frost, section 14-21n-1e, Union parish wildcat, shut down at 7,010 feet in lower Marine, to deepen it to 9,100 feet. Crystal Oil and Refining Company is planning this spring to drill a 9,000-foot test on a block around section 8-22n-11w, Webster parish.

A. D. Robinson et al. are deepening No. 1 Dickson, section 20-20n-14w, Caddo parish wildcat, north of the shallow Dixie field, after it tested salt water at 2,458 feet.

Two wells were completed last week in the lower Marine horizon below 7,500 feet in the Shuler field, Union county, Ark., to bring the total of producers in that horizon of that field to eleven. Both wells are in section 18-18-17, one being Lion Oil Refining Company's No. C-1 Morgan, completed at 7,604 feet, flowing 850 barrels in 24 hours through 28-64-inch tubing choke, after logging Jones "lower Marine" sand from 7,513 to 7,573 feet.

The other was Phillips Petroleum Company's No. 1 Jennings that was completed flowing 48 barrels per hour 40-64-inch tubing choke, after logging Jones sand from 7,553 to 7,626 feet, with total depth of 7,733 feet. Three other tests are coring for the 7,500 foot sand.

Agents of the federal tender board at Kilgore, Tex., who checked observance of allowable of 400 barrels per well for lower Marine wells at Shuler during the week for the Arkansas Board of Conservation, reported all wells were within their allowable. Travis Peak wells, of which there are 12 at Shuler, do not come under the 400-barrel allowable nor does the lone Permian lime gas distillate well there.

Kerrlyn Oil Company's No. 1 Barnett, section 14-17-20, Columbia county wildcat, will be deepened to 7,600 feet, or 100 feet below top of Permian lime. Several companies contributed to deepen it from old depth of 6,314 feet. In this county Mid-Continent Petroleum Company continues to be a consistent buyer in township 17, range 20, township 18, range 19, and in township 19, range 23. Atlantic Refining Company has a shooting unit working in township 17, range 19 of this county and Tidewater Associated has a shooting unit in township 17, range 20.

In Hempstead county, Magnolia Petroleum Company has a seismograph unit working in township 14, range 24.

Shreveport—Daily average production in the Rodessa field mounted 1,932 barrels the past week to 72,487 barrels. The Louisiana side of the field rose 1,647 barrels to 44,142 barrels. The Texas side rose 965 barrels to 19,535 barrels, but the Arkansas side dropped 680 barrels to 8,810 barrels.

North Louisiana's average as a whole, including its part of Rodessa, rose exactly 1,100 barrels to 79,485 barrels, but Arkansas's average,

including its side of Rodessa, fell 1,485 barrels to 41,055 barrels. Shuler, Ark., rose 1,040 barrels to 8,190 barrels. The 11 lower Marine producing wells at Shuler are prorated to top allowable of 400 barrels daily per well.

OIL NEWS Four Wells In Jones Sand Due In Soon

Special to the Gazette. 1-23-38

El Dorado, Jan. 22.—Four more completions in the Jones sand level of the Shuler field west of El Dorado are expected in the next 10 days, as operators on three tests this week-end were preparing to set casing for final testing and crews were still coring in these and on a fourth.

In addition, permits have been issued for two new tests in the area that will extend the producing area to the southeast and southwest. There are 11 producers in the Jones sand, four nearing completion, nine drilling and five on which operations are expected to be started soon.

Operators on the Morgan No. 3 test of the Alice Sidney company are expected to set casing this week-end for final testing after coring and drilling to about 7,694 feet. The test encountered good showings of oil from 7,526 to 7,593 feet and operators continued coring to the big lime formation below 7,600 feet and then ran a Schlumberger test in preparation for setting casing. The test is in section 18-18-17.

The Phillips Petroleum Company was expected to set casing on two of its tests in section 18-18-17, the Justiss No. 2 and the Marks No. 2. The Lion Oil Refining Company started coring Wednesday in the Jones sand on its Morgan B-4 test in section 18-18-17 at a depth of 7,510 feet and was expected to core about 60 feet of the heavily saturated oil formation.

The Lion Company is drilling on three other tests in the area and is preparing to start operations on three more. The Morgan B-5 test in section 18-18-17 below 2,100 feet and the Marine Fee No. 2 test in section 17-18-17 below surface casing.

The operators are rigging up to start drilling on the Miller No. 1 test in section 18-18-17 and have made location for the Morgan C-2 in the southwest corner of the southeast quarter of the southeast quarter of section 18-18-17. The same operators have announced location for the Morgan A-5 test in the northeast corner of lot seven in the southwest quarter of section 18-18-17.

The Marine Oil Company is drilling at 7,325 feet on its Fee No. 3 test in section 17-18-17, at 3,892 feet on its Justiss No. 4 test in section 18-18-17, and at 600 feet on its Fee No. 4 test in section 17-18-17. The same operators have made location for the Justiss No. 3 test in section 18-18-17 but have not started operations.

The Phillips Company is drilling below 6,594 feet on the First National Bank No. 1 test in section 17-18-17 and below 2,300 feet on the Rosen No. 2 test in section 18-18-17. The same operators have made location for the Marine Fee No. 1 test in section 20-18-17 and are moving in drilling rig.

The Texas Canadian Oil Corporation, a new operator in the Shuler area, has made location for a test in section 21-18-17 southeast of present production in the field. It will be the first test in that section and its completion for a big producer might result in additional tests in that area. The location in the northeast corner of the northwest quarter of the northwest quarter of the section is more than a mile southeast of the discovery well.

Jones, Murphy and Hurley have announced plans to deepen their Murphy Land Company No. 1 test in section 19-18-17 to the Jones sand level. The well was completed as a small producer in the Morgan sands around 6,000 feet. The Lion Company recently deepened its Justiss No. 1 test, an off-set west of the Jones well, to the Jones sand and obtained a big producer. Deepening the Murphy test is expected to get under way soon.

There are 21 producing wells in the Shuler field with total daily production of 8,015 barrels. Eleven producers in the Jones sand have total production of 4,677 barrels and nine producers in the Morgan sands have total production of 2,820 barrels daily. One test drilled to the big lime producing zone, the Morgan A-1 discovery well of the Lion and Phillips companies is producing 518 barrels daily.

Average Production Declines.

A decline has been shown in the per well average daily production of the 61 producers in the South Miller county field. The 61 producers in the field have a daily average production of 145 barrels for a total of 8,810 barrels, a

drop of 16 barrels from last week's average.

Operators on the Barnett No. 1 wildcat test of Kerr-Lynn in the southeast corner of the southwest quarter of the northeast quarter of section 14-17-20 in Columbia county near Magnolia were washing down to bottom of hole below 7,000 feet.

Several seismograph testing crews were reported to be making shooting tests in Columbia, Hempstead and Union counties this week.

The Atlantic Refining Company is reported to have a crew shooting in the Village area of Columbia county checking a block of acreage held by the Standard Oil Company in township 17, range 19. The Tidewater Company is reported to be making shooting tests east of Magnolia in township 14, range 24.

The Magnolia Petroleum Company is reported to have a crew shooting in Hempstead county near Patmos in township 14, range 24.

Four crews are reported shooting in Union county. The Standard Oil Company is reported rechecking its block in the Three Creeks area in township 19, range 17. The Amerala Petroleum Company is reported working in the Shuler area west of El Dorado and the Kerr-Lynn Company has a crew in the Lawson area. The Heiland Company is reported to have a crew in the Urbana area.

Production allowables for the Shuler field for February were doubled by the Conservation Board at a special meeting Thursday. The allowables for January were 400 barrels per day. Under the new ruling the daily production for the Jones sand probably will be approximately 12,000 barrels daily from the 15 wells expected to be producing by February 1. The 15 include the 11 now producing.

Production allowables for the South Miller county field for February also were boosted. The board set an allowable of approximately 15,000 barrels daily for the field, but due to the gas-oil ratio restrictions of the field of 2,000 cubic feet of gas to each barrel of oil the daily production is expected to be about 15,500 barrels.

Six Drilling Permits Issued.

L. E. Tennyson Jr. of Smackover has obtained permit to drill the L. E. Tennyson Jr. No. 1 test in the center of a 4.90 acre tract of land in the northeast quarter of the northeast quarter of section 13-16-23 in Lafayette county.

After several weeks of curative work, E. T. Oakes, H. D. Easton et al. Thursday perforated five-and-one-half-inch casing set at 6,121 feet in No. 1 Griggs, southwest quarter Section 36-18n-1w, Lincoln parish wildcat, near Choudrant, to test nine feet of porous lime that showed good resistivity and porosity in basal Glen Rose, from 5,932 to 5,941 feet.

The looming three-quarter-mile southwest extension of the Lisbon field, C. R. Chester's No. 1 Sallie Lloyd, southwest quarter Section 2-20n-5w, that recently logged 12 feet of saturation, had trouble landing final casing string, but late in the week had unlogged hung pipe and were running it to bottom at total depth of 5,271 feet. Two wells were completed at Lisbon, Atlantic's No. D-1 M. Patton, Section 29-21n-4w, flowing 56 barrels hourly from depth of 5,247 feet, and F. H. Brown's No. 1 Patton, Section 6-20n-4w, which flowed 65 barrels hourly at 5,380 feet.

Total cumulative production from the Lisbon field to January 1 was 2,441,743 barrels from 155 wells. The field has not yet had a dry hole. Total cumulative production from the Rodessa field to January 1 was 55,017,538 barrels, of which 38,029,979 barrels was on the Louisiana side, 15,799,564 barrels on the Texas side, and 1,187,995 barrels from Arkansas.

Rodessa added four new wells this week, two in Miller county, Ark., one in Marion county, Tex., and one in Caddo parish, La. Fohs Oil Company's No. 1 Kemper, R. Bennington survey, was the producer in Marion county. Jefferson end of the field. W. L. McClanahan and Frank Lona added the new wells in Miller county, Ark., and Alice Sidney Oil Company's No. 1 Alexander, Section 3-23n-16w, was the Louisiana producer in the three-states field.

In the old Shongaloo shallow gas field, Webster parish, Magnolia Petroleum Company's No. 1 Frank Sexton, Section 32-23n-9w, was drilling lime and shale below 5,642 feet, after oolitic lime at 5,580 feet showed an odor of gas and a little oil.

Gulf Refining Company's No. 1 Goodpine, Section 25-14n-8w, was drilling shale at 7,220 feet, and in Red River parish, Arkansas Fuel Oil Company's No. 1 Franklin, Section 20-11n-9w, was drilling below 6,770 feet. In the same parish, Glassell and Whitehurst are moving in heavy rig to resume at 250 feet in their proposed deep test on the south flank of the old shallow Bull Bayou field.

The following logs were filed: Roberts Brothers, W. W. Capps B-1; Gordon C. Grasty, A. L. Treadway No. 1; Potter Drilling Company, Greer No. 1; Staniforth, Thompson and Jaffe, Greer No. 1; Red Iron Drilling Company, Toombs No. 1; McMurray et al. Thomas Brothers A-1 and Thomas Brothers B-1; Lacy and Riley, C. H. Sartor No. 1 and J. W. Grogan No. 2; W. C. Feazel, J. W. Farmer No. 1, all in Miller county. The Lion Oil Refining Company M. D. Justiss No. 1 and D. S. and J. C. Morgan C-1; and Marine Oil Company M. D. Justiss No. 2 in Union county; Boettcher Oil and Gas Company, State Life Insurance Company No. 1 in Howard county and the Benedum and Trees Oil Company Mary Jackson No. 2 in Nevada county.

Review of Ark

ansas Oil Fields

Lisbon Field

Never Yet Has

Had a Failure

Democrat 1-23-38

Area May Be Extended —Nevada Operator Seeks Oil Market.

Shreveport—A quarter-mile north-east extension of the Lisbon field, addition of the third Travis Peak oil well in the Cotton Valley field, Webster parish, and the testing of a Lincoln parish wildcat in basal Glen Rose that showed good porosity and resistivity featured operations the past week in the north Louisiana oil territory.

The northeast edge test in Lisbon that showed indications of extending production slightly is Magnolia Petroleum Company's No. 1 J. C. Fowler, Section 28-21n-4w, that logged nine feet of saturation and was being tested at total depth of 5,207 feet.

A. G. Oliphant's No. 1 Hodges et al., Section 34-21n-10w, on the southwest flank of the Cotton Valley field, Webster parish, second Travis Peak oil well in as many weeks, gauged 1,481 barrels of 50.3 gravity oil in 24 hours, flowing through half-inch tubing choke at total depth of 5,807 feet. The week before the second Travis Peak well at Cotton Valley was added by W. G. Ray, the first in that horizon since Ohio's No. 6 Holloway, Section 23-21n-10w, in August, 1936. There is no proratio in effect on Travis Peak wells at Cotton Valley, only the gas-distillate wells in the lower Marine 8,000-foot horizon there being prorated.

After several weeks of curative work, E. T. Oakes, H. D. Easton et al. Thursday perforated five-and-one-half-inch casing set at 6,121 feet in No. 1 Griggs, southwest quarter Section 36-18n-1w, Lincoln parish wildcat, near Choudrant, to test nine feet of porous lime that showed good resistivity and porosity in basal Glen Rose, from 5,932 to 5,941 feet.

The looming three-quarter-mile southwest extension of the Lisbon field, C. R. Chester's No. 1 Sallie Lloyd, southwest quarter Section 2-20n-5w, that recently logged 12 feet of saturation, had trouble landing final casing string, but late in the week had unlogged hung pipe and were running it to bottom at total depth of 5,271 feet. Two wells were completed at Lisbon, Atlantic's No. D-1 M. Patton, Section 29-21n-4w, flowing 56 barrels hourly from depth of 5,247 feet, and F. H. Brown's No. 1 Patton, Section 6-20n-4w, which flowed 65 barrels hourly at 5,380 feet.

Total cumulative production from the Lisbon field to January 1 was 2,441,743 barrels from 155 wells. The field has not yet had a dry hole. Total cumulative production from the Rodessa field to January 1 was 55,017,538 barrels, of which 38,029,979 barrels was on the Louisiana side, 15,799,564 barrels on the Texas side, and 1,187,995 barrels from Arkansas.

Rodessa added four new wells this week, two in Miller county, Ark., one in Marion county, Tex., and one in Caddo parish, La. Fohs Oil Company's No. 1 Kemper, R. Bennington survey, was the producer in Marion county. Jefferson end of the field. W. L. McClanahan and Frank Lona added the new wells in Miller county, Ark., and Alice Sidney Oil Company's No. 1 Alexander, Section 3-23n-16w, was the Louisiana producer in the three-states field.

In the old Shongaloo shallow gas field, Webster parish, Magnolia Petroleum Company's No. 1 Frank Sexton, Section 32-23n-9w, was drilling lime and shale below 5,642 feet, after oolitic lime at 5,580 feet showed an odor of gas and a little oil.

Gulf Refining Company's No. 1 Goodpine, Section 25-14n-8w, was drilling shale at 7,220 feet, and in Red River parish, Arkansas Fuel Oil Company's No. 1 Franklin, Section 20-11n-9w, was drilling below 6,770 feet. In the same parish, Glassell and Whitehurst are moving in heavy rig to resume at 250 feet in their proposed deep test on the south flank of the old shallow Bull Bayou field.

Joe Modisett et al. are preparing to deepen No. 1 Frost Lumber Co., Section 14-21n-1c, Union parish wildcat in lower Marine, at 7,010 feet to 9,000 feet.

Arkansas Fuel Oil Company (Cities Service) has taken a geophysical option on 12,000 acres around Section 2-14n-14w, De Soto parish. Continental Oil Company, which has been engaged in exten-

sive geophysical work in east Louisiana, is reported to have found another "high" in Franklin parish, in Township 13 North, Range 8 East. Midcontinent Petroleum Company is blocking in Jackson parish, Township 15 North, Range 4 West, and J. K. Wadley of Texarkana and Shreveport recently assembled a block in Ouachita parish in Townships 16 and 17 North, Range 1 East. Amerada Petroleum Corporation has farmed out a 120-acre lease in Section 7-20n-4w, Lisbon field, to Delta Drilling Company, which has spudded a test thereon. Rumors are heard at Lisbon that a deep test is contemplated to the northwest of the field in Section 33-21n-5w.

With operating interest in Arkansas last week centered on tests coring in the lower Marine and Permian lime horizons at Shuler, and a wildcat in Columbia county, the matter of a marketing outlet for 1,250 barrels daily of Tokio sand production from the shallow Troy field, Nevada county, arose as a problem for Benedum and Trees, who own all of this production.

This oil, which is heavy asphaltic oil, had been shipped to Standard Oil Company of Louisiana, which has ceased to buy the oil, and it is now being run into steel storage in the field.

East Texas Refining Company will sell the output of its casinghead plant in section 14-20-28, Miller county, Arkansas, part of Rodessa, to Warren Petroleum Company of Tulsa. East Texas Refining Company has just completed a four-inch line from the plant to its loading rack in section 20-23n-16w, Caddo parish, La.

All of the production at Shuler is being bought by two companies, Root Petroleum Company and Lion Oil Refining Company. The latter takes only its own oil, having nine connections and half of another. Root has 17 connections and half of another. The divided connection is Lions and Phillips Petroleum Company's joint-owned Morgan "A" lease with one well on it. Eight of Root's connections are sweet oil wells from the Travis peak.

Kerrlyn Oil Company's No. 1 Barnett, section 14-17-20, Columbia county wildcat, was drilling at 7,440 feet in red shale and sand without having picked up Permian lime expected above 7,400 feet. It will be taken to 7,600 feet.

Four tests are at producing depths in the Shuler field, three of them coring in the Permian lime after logging satisfactory saturation in the lower Marine sand and the other is still coring in that formation. Two of them are operations of Phillips Petroleum Company, one that of Lion oil, and the fourth that of Alice Sidney Oil Company.

Eleven tests are drilling with eight others active locations or rigging, the latter including two being deepened. Leasing in Columbia and Lafayette counties continues active. Kerrlyn has a geophysical unit in Union county around township 17, range 13, and Amerada Petroleum has one near Shuler.

L. E. Tennyson Jr. of Smackover, Ark., was granted drilling permit for No. 1 Fee, section 13-16-23, Lafayette county. Buckner townsite, on a 4.90-acre tract.

Possibility of a lower Marine test for western Marion county, Texas, was seen this week with Sun Oil Company, owner of a 5,000-acre block in that area, and extending into Upshur county, reported conferring with oil companies having leases in that vicinity over such a test. Texas Company's lower Marine test in the Bethany shallow field, Panola county will be on the Claude Adams, Thomas Cox survey. Tippet Drilling Company of Shreveport has contract.

Daily average oil production in Rodessa the past week was 73,656 barrels, of which 45,485 barrels was on the Louisiana side, 16,619 barrels on the Texas side, and 8,552 barrels on the Arkansas side.

This represented a per well average on the Arkansas side of 136 barrels, on the Louisiana side, 103 barrels; and on the Texas side, 50 barrels, or a field average per well of 82 barrels. The field now has 898 wells.

Daily average production for the whole of north Louisiana, including its side of Rodessa, was 80,370 barrels as compared to 79,485 barrels the week before. Arkansas's combined average last week was 41,010 barrels, of which 7,685 barrels was from the Shuler field. Arkansas's average the week before was 41,055 barrels, of which 8,190 barrels was from Shuler.

The daily allowable for the Louisiana side of Rodessa for February was reduced 8,000 barrels to 42,000 barrels by the state conservation commission. Lisbon's allowable was left unchanged at 10,000 barrels. The entire north Louisiana allowable was placed at 72,000 barrels, a cut of 10,500 barrels.

Oil Men Keep Weather Eye On Wildcats

Democrat 1-23-38 Two Divide Interest With Shuler Where Activi- ty Is Unabated.

El Dorado—Attention of members of the El Dorado oil fraternity was divided the past week between deep sand wells in the Shuler field, a wildcat deep test in Columbia county, in the vicinity of Village, and a wildcat in the Urbana area to the southeast of El Dorado.

At Shuler where drilling activities continue on the large scale of the past few months, another waiting period has arrived with several tests down to the sand and ready to set casing, and a number of new tests just getting under way.

The week brought an announcement from the State Conservation board that the per well allowable for the Shuler field will be increased from 400 to 800 barrels a day, effective February 1, allowing a daily production for Jones sand wells in the field of 12,000 barrels.

The Village test in the Limestone is the Barnett well, coring below 7,400 feet. Little information has been obtainable on the showing of the well here but it is believed to be above the lime formation which was hit at Shuler.

W. G. Wingfield has set casing in the Kidd estate No. 1, section 15-18-13, near Urbana, after obtaining a good showing of oil in the Nacatosh sand below 2,300 feet. Testing of the well probably will get under way within a week.

At Shuler operations on three tests are making preparations to set casing for final testing, and operators on another test are drilling ahead at 7,533 feet after penetrating the Jones sand.

The Alice Sidney Company is reported to be making plans to set casing around 7,694 feet on the Morgan No. 3 after running Schlumberger tests.

The Phillips Petroleum Company has drilled to 7,700 feet on its Justiss No. 2, with total depth of 7,700 feet. The Lion Company is drilling below 7,582 feet on its Morgan B-4, after penetrating the Jones sand at 7,580 feet. Good oil sand was encountered in the test from 7,510 to 7,580 feet.

Saturday's drilling report: Lion Morgan B-3, sw 1-4, se 1-4, 18-18-17; drilling at 7,583. Lion Morgan B-5, se 1-4, 18-18-17; drilling below 3,700 feet. Lion Marine No. 2, se 1-4, 17-18-17; drilling at 250 feet. Lion Morgan A-4, lot 1, sw 1-4, 18-18-17; drilling at 2,315 feet. Lion Miller No. 1, ne 1-4, 18-18-17; set surface casing at 131 feet. Lion Morgan C2, se 1-4, 18-18-17; clearing location. Lion Morgan A-5, lot 7, sw 1-4, 18-18-17; location made. Marine Fee No. 3, sw 1-4, 17-18-17; drilling at 7,390 feet. Marine Fee No. 4, sw 1-4, 17-18-17, drilling at 1,070 feet; Marine Justiss No. 3, lot 7, nw 1-4, 18-18-17, location made. Marine Justiss No. 4, lot 7, nw 1-4, 18-18-17, drilling at 4,050 feet.

Alice Sidney's D. S. and J. C. Morgan No. 3, se 1-4, 18-18-17; preparing to run Schlumberger at 7,694 feet.

Phillips Justiss No. 2, lot 6, nw 1-4, 18-18-17; coring below 7,665 in lime. Phillips Marks No. 2, lot 2, sw 1-4, 18-18-17; drilled to 7,700 feet. re-running Schlumberger. Phillips National No. 1, sw 1-4, 17-18-17; drilling at 6,751 feet. Phillips Rosen No. 2, se 1-4, 18-18-17; drilling at 2,300. Phillips Marine Fee No. 2, ne 1-4, 20-18-17; rigging up.

Texas-Canadian Powledge No. 1, nw, nw, 21-18-17; building derrick.

OIL NEWS

Conservation

Agent Issues

Annual Report

Special to the Gazette. 1-30-38

El Dorado, Jan. 29.—A resume of oil and gas activities in Arkansas from the time of the first important show of oil in the Lester and Hamilton No. 1 test of S. S. Hunter in Ouachita county near Stephens in 1920 to the discovery and start of development of the Shuler, Buckner and South Miller county fields in 1937 is included in the annual report of C. E. Harris, chief conservation agent of the Arkansas board of conservation.

Gives Development History.

He recounts the gradual development of oil production in the state which followed the Hunter well in the Stephens area. The first gas show was in the Hill No. 1 test of the Constantine company in Section 12-18-16 in Union county and on January 10, 1921 the Armstrong No. 1 of Mitchell and Busey in Section 31-17-15 was completed at a depth of 2,233 feet for a producer of from 15,000,000 to 35,000,000 cubic feet of gas daily and 3,000 to 10,000 barrels of oil and water daily to begin the progressive development of oil production in the state.

After discovery of the Stephens and El Dorado south fields in 1920 came the Irma field in Nevada county and the East El Dorado field in Union county in 1921. The Smackover field in Union and Ouachita counties and the Woodley field in Union county were discovered in 1922. Other fields and their discovery years are: Bradley, Lafayette county, 1925; Lisbon, Union county, 1926; Champagnolle, Union county, 1927; Urbana, Union county, 1927; Mt. Holly, Ouachita county, 1929; Garland City, Miller county, 1930; Troy, Nevada county, 1936 and the three new fields, Shuler in Union county; Buckner in Columbia county and Rodessa extension in Miller county in 1937.

Mr. Harris listed the total number of wells drilled in Arkansas by years as follows: 1920, 16 wells; 1921, 646 wells; 1922, 730 wells; 1923, 1,669 wells; 1924, 1,385 wells; 1925, 1,606 wells; 1926, 1,027 wells; 1927, 359 wells; 1928, 364 wells; 1929, 254 wells; 1930, 127 wells; 1931, 60 wells; 1932, 50 wells; 1933, 48 wells; 1934, 87 wells; 1935, 93 wells; 1936, 59 wells; 1937, 192 wells. During that period there were 6,187 oil wells; 321 gas wells and 1,991 dry holes drilled for a total of 8,499 tests.

Discusses Three New Fields.

Of the three new fields he says that "these fields have been developed with a nearer approach to true conservation than has been the case at any time in the past. The success of our conservation measures has been materially increased by the co-operative spirit of most of the operators in south Arkansas."

"The objective sought in the promulgation of our rules and regulations has been the encouragement of efficient production practices in order to reduce waste to a minimum and to secure a maximum of recoverable oil and gas from each field."

Production in the south Miller county extension to the Rodessa field was extended with the completion of the Capps No. 1 of W. L. McClannahan in Section 11-20-28 on June 22, 1937. Oil is obtained from sands and lime in the top of the Lower Glen Rose section with producing and possible producing levels listed as Hill sand, Upper Caddo Levee Board Lime, Mitchell sand and the Lower Caddo Levee Board Lime. As of January 1, 1938 there were 61 oil and gas wells completed in the south Miller county field with cumulative total production of 1,187,995 barrels as of January 1. The area is served by four pipe lines with total daily capacity of 45,000 barrels.

The Shuler area of Union county west of El Dorado which has been described by some of the more optimistic operators as "the greatest oil discovery since East Texas" was discovered April 5, 1937 with completion of the Morgan No. 1 test of the Lion Oil Refining company in Section 18-18-17 to the Morgan sand at 5,556 feet. Ten wells were drilled to the level and some were completed as dry holes indicating that the sand was spotted. One of the holes was deepened by Jones, Murphy and Hurley and a new producing level was found at 7,554 feet and was named the Jones sand. Drilling to date indicated that the Jones sand is from 60 to 80 feet thick and should produce over the entire reservoir a minimum of 25,000 barrels per acre. On discovery of the Jones sand the Lion company deepened the discovery well to the original objective and encountered 70 feet of Jones sand but continued the deepening operation to the lime formation which was encountered at 7,597 feet showing heavy oil saturation and strong gas pressure. The well was completed with estimated open flow capacity of 90,000-000 cubic feet of gas and considerable distillate. At present there are 23 producers in the Shuler field and operations are under way on more than 20 more.

Completion by the Standard Oil company of the J. P. McKean No. 1 in Section 8-16-22 in Columbia county on November 30, 1937 indicates a new producing area in that county and in Lafayette county. The test encountered the producing section at 7,200 feet indicating about 60 feet of producing formation with estimated recovery of about 15,000 barrels per acre.

North Arkansas's Possibilities.

Discussing possibilities in north Arkansas, Mr. Harris said that "North Arkansas has long been looked upon as an area with oil and gas possibilities due to the fact that underneath the superficial sand and clays encountered in wells heretofore drilled the same formation was found which further south in Union, Ouachita and Nevada counties are productive of oil and gas. So far, however, oil has not been discovered in north Arkansas in commercial quantities notwithstanding the fact

that there have been hundreds of wells drilled in that area."

Gives Production Figures.

In conclusion Mr. Harris said that "The period from 1920 to 1936 was devoted primarily to the development and exploration of the oil and gas producing horizons in the Upper Cretaceous stratas. Discovery of small volumes of oil and gas in the Snow Hill limestone of the Smackover field by the Phillips Petroleum company called attention to the possibilities of production in the Lower Cretaceous and older strata and the activity during 1937 was confined largely to the search for oil in older and deeper strata. The discovery of the Shuler field no doubt marks the beginning of a new period of drilling activity which promises to result in the discovery of many new fields in southern Arkansas."

Total oil production for Arkansas in

1937 was 11,767,179 barrels compared with production of 10,676,450 in 1936.

The report showed that on January 1, 1937 there were 2,636 producing wells in the state compared with 2,622 producing wells on January 1, 1936.

Producing wells by fields on January 1, 1937 were: Smackover heavy, 1,249; Smackover light, 560; Urbana, 30; Camden, 1; El Dorado south field, 224; El Dorado east field, 59; Lisbon, 142; Champagnolle, 84; Irma, 73; Stephens, 188; Troy, 4; Miller (Lens field) 22. Producing wells by fields on January 1, 1936 were: Smackover heavy, 1,207; Smackover light, 533; Urbana 32; Camden 1; El Dorado south field, 224; El Dorado east field, 59; Lisbon, 141; Champagnolle, 79; Irma, 63; Stephens, 189; Troy, 11; Miller (Lens field) 21; Miller (Rodessa extension), 40; Buckner, 1; Shuler, 21.

Production by months for the state was as follows: January, 742,519 barrels; February, 732,907 barrels; March, 844,004 barrels; April, 815,374 barrels; May, 943,174 barrels; June, 800,235 barrels; July, 869,245 barrels; August, 1,038,936 barrels; September, 1,152,496 barrels; October, 1,332,146 barrels; November, 1,272,188 barrels; December, 1,323,955 barrels.

Total production by fields for the year was as follows: Smackover heavy, 5,984,773 barrels; Smackover light, 729,965 barrels; Urbana, 446,241 barrels; Camden, 3,394 barrels; El Dorado south field, 545,482 barrels; El Dorado east field, 153,156 barrels; Lisbon, 95,641 barrels; Champagnolle, 506,153 barrels; Irma, 264,986 barrels; Stephens, 200,019 barrels; Troy, 318,491 barrels; Miller (Lense field) 175,690 barrels; Miller (Rodessa extension) 1,176,679 barrels; Buckner, 20,026 barrels; Shuler, 1,146,523 barrels.

The report listed the 243 permits issued during the year to drill new tests and 100 permits to plug wells.

It listed receipts from drilling fees as \$12,150; from plugging fees at \$1,500 and miscellaneous receipts at \$307.84 for total receipts of \$13,957.84.

Seven More Union County Wells Due In

1-30-38

Special to the Gazette.

El Dorado, Jan. 29.—Five new producers are expected to be completed in the Jones sand level of the Shuler field west of El Dorado in the next week or 10 days and two new producers also are expected to be completed in the Urbana area southeast of El Dorado.

New production allowables for the Jones sand in Shuler and the south Miller county field become effective Tuesday doubling the production of wells in the Shuler field and increasing the Miller county production. During January the allocation of production for wells in the Shuler field has been 400 barrels daily for all but one of the 11 Jones sand producers, the exception being the Jennings No. 1 test of the Phillips Petroleum Company, which because it is on a tract of less than 20 acres was limited to 333 barrels daily. Under the new order the Jennings test will be given an allowable of 667 barrels daily and other tests will be allowed 800 barrels daily.

In the south Miller county field daily production for January was set at slightly in excess of 10,000 barrels, but due to the gas-oil ratio restrictions the 59 producers in the field produced only about 8,850 barrels daily. Under the new order for February the field allowable has been set at 15,000 barrels daily, but due to the gas-oil ratio restrictions the production is expected not to exceed 10,500 barrels daily.

William Monroe Layton, president of the Layton Oil Company, a Miller county operator, obtained a temporary injunction in Miller county Chancery Court prohibiting the state Conservation Board from interfering with oil production from his properties. Layton has three producing wells on the Terry estate lease. Under the allocation order for January he was limited to daily production of 422 barrels from the three wells distributed as follows: Terry No. 1, 200

barrels; Terry No. 3, 126 barrels; Terry No. 4, 96 barrels. Under the order for February Layton would be limited to daily production of 325 barrels from the same three wells, a decrease of 47 barrels daily distributed as follows: Terry No. 1, 111 barrels; Terry No. 3, 74 barrels; Terry No. 4, 140 barrels.

The Conservation Board at a special meeting here this week asked that Attorney General Jack Holt represent the board at the hearing for a permanent injunction in Texarkana. The matter is expected to be a test case of the Conservation Department's powers to limit oil production in Arkansas.

Urbana Tests Promising.

The two completions expected in the Urbana area next week are the Kidd estate No. 1 test of W. D. Wingfield and associates in section 15-18-13 and the G. G. Simmons A-2 of the Arkansas Southern Oil Company in section 15-18-13. In the Kidd test Mr. Wingfield encountered 20 feet of heavily saturated oil formation in the Nacatosh sand from 2,343 to 2,363 feet and casing was set for final testing at 2,363 feet without making a drill stem test. The test is in the northeast corner of the northwest quarter of the southwest quarter of the section.

The Arkansas Southern Company encountered a good showing in its test at 2,214 feet after obtaining good showings of oil in the Nacatosh sand above that depth. The test is in the southwest corner of the northeast quarter of the northwest quarter of section 15-18-13.

The same company also has two other small producers in the same section. They are the G. G. Simmons No. 1 in the northwest corner of the northwest quarter of the northeast quarter of the section and is producing 23 barrels daily and the G. G. Simmons A-1 in the southeast corner of the northeast quarter of the northwest quarter of the section and is producing 60 barrels daily.

The five tests in the Shuler area expected to be completed as producers in the next week or 10 days are the Fee No. 3 test of the Marine Oil Company in section 17-18-17; the Morgan No. 3 of the Alice Sidney Oil Company in section 18-18-17; the Justiss No. 2 test of the Phillips Petroleum Company in section 18-18-17; the Marks No. 2 of the same company in the same section; the Morgan B-4 test of the Lion Oil Refining Company in section 18-18-17.

Morgan No. 3 Pipe Lost. Operators on the Morgan No. 3 test of the Alice Sidney Company obtained good oil saturation in the Jones sand from 7,526 to 7,593 feet and were preparing to set casing when the drill pipe became stuck in the hole at 2,200 feet. Crews were busy this week-end circulating with oil in an effort to release the stuck pipe.

The Phillips Company encountered heavy oil saturation in its Justiss No. 2 test from 7,514 to 7,577 feet and cored and reamed through the lime to a total depth of 7,700 feet and set casing for final testing.

On the Marks No. 2 test the same operators encountered good oil showings in cores from 7,501 to 7,566 feet and

cored and reamed to 7,700 feet and then set casing.

The Lion Company encountered good oil showings in its Morgan B-4 test from 7,510 to 7,584 feet and cored and reamed to 7,633 feet and set casing for final testing.

The Marine Company encountered the top of the Jones sand at 7,533 feet on its Fee No. 3 test and cored heavy saturation to 7,582 feet and set casing at 7,590 feet.

There are 11 other tests in the area drilling and four others that are expected to start operations soon.

The Lion Company is drilling on four tests and preparing to start operations on three others. The tests drilling are the Morgan A-4 in section 18-18-17 at 2,700 feet; the Morgan B-5 in section 18-18-17 at 4,500 feet; the Marine Fee No. 2 in section 17-18-17 at 2,135 feet and the Miller No. 1 in section 18-18-17 at 2,222 feet.

Preparations are being made to start on the Morgan A-5 in section 18-18-17, the Morgan C-2 in section 18-18-17 and the Mayfield No. 1 in section 18-18-17.

The Phillips Company is drilling on three tests, First National Bank No. 1 in section 17-18-17 at 7,158 feet; the Rosen No. 2 in section 18-18-17 at 3,520 feet and the Marine Fee No. 1 in section 20-18-17 at 200 feet.

The Marine Oil Company is drilling on three tests, the Fee No. 4 test in section 17-18-17 at 1,955 feet; the Justiss No. 3 in section 18-18-17 at 782 feet and the Justiss No. 4 in section 18-18-17 at 5,293 feet.

Jones, Murphy and Hurley have started deepening their Murphy Land Company A-1 test in section 6,590 feet. It was completed as a small producer in the Morgan sands.

The Texas Canadian Oil Company is rigging up on the M. M. Powledge No. 1 test in section 21-18-17.

Five Test Permits Issued.

The Arkansas state Board of Conservation this week issued drilling permits for five new wells and logs were filed for 10 wells.

Lacy and Riley obtained permit to drill the J. W. Grogan No. 3 well 330 feet north and 330 feet east of the southwest corner of the north 40 acres of the east half of the west half of

section 15-20-28 in Miller county.

The Standard Oil Company obtained permit to drill the Bodcaw-Barbara No. 1 test 660 feet south and 660 feet west of the northeast corner of the southeast quarter of the northeast quarter of section 18-16-22 in Columbia county.

The Arkansas Southern Oil Company obtained permit for the Simmons A-2 test 330 feet north and 330 feet east of the southwest corner of the northeast quarter of the northwest quarter of section 15-18-13 in Union county.

Bruce E. Wallace of Monticello obtained permit to drill the William Haynie No. 3 test in the center of the southeast quarter of the northeast quarter of the northeast quarter of section 5-14-20 in Nevada county.

The Southern Union Production Company of Dallas, Tex., obtained permit to drill the Sam Whitehead No. 1 test 750 feet south and 330 feet west of the center of section 8-9N-26W in Franklin county.

The following logs were filed: Arkansas Southern Oil Company, G. G. Simmons No. 1 and G. G. Simmons A-1 in Union county; Lion Oil Refining Company, M. D. Justiss A-1 in Union county; Guaranty Oil Corporation, Treadway No. 1 in Miller county; Mrs. S. O. Thompson, Treadway No. 1 in Miller county; Tom Potter, Larey-Vance No. 2 in Miller county; Phillips Petroleum Company, J. M. Jennings No. 1 in Union county; W. L. McClannahan, Capps B-2 and Capps C-1 in Miller county and Benedum and Trees Oil Company, W. R. Mitchell No. 1 in Nevada county.

Review of Ark

ansas Oil Fields

Four Wells in Shuler Field Due This Week

Democrat 1-30-38
Operations on 16 Other Tests Keep Arkansas Field Booming.

El Dorado—Completion of four new Jones sand producers in the Shuler field is expected early the coming week and a fifth is scheduled to be completed in about a week or 10 days.

At present there are 11 producers in the Jones sand of the field, and operations are under way on 16 tests other than the five nearing completion.

Earliest completion is expected to be the Marks No. 2 of the Phillips Petroleum Company, in section 18-18-17, in which casing was set early this week at a depth of 7,700 feet. Operators on the well Saturday were testing casing in preparation for perforating of pipe Sunday. It is expected that final testing will start Monday.

The Phillips is also preparing for final testing of its Justiss No. 2, in section 18-18-17. Casing was set several days ago at total depth of 7,700 feet, and the final test should start about Tuesday or Wednesday.

The Lion Oil Refining Company is waiting on casing for completion of its Morgan B-4, in section 18-18-17, in which casing was set at a depth of 7,639 feet after good oil showings were obtained in cores from the Jones sand.

The Marine Oil Company has completed the setting of casing in its Fee No. 3, in section 17-18-17, and will start completion operations about the middle of the week. Casing was set at 7,679 feet.

After obtaining good showings in the Jones sand, operators on the Morgan No. 3 of the Alice Sidney Company were preparing to set casing for final testing, when drill pipe became stuck in the hole at about 2,200 feet. It is expected the pipe will be released in a short time and casing set for final test in a week or 10 days.

The Phillips Company Saturday announced location of a new test in section 20-18-17 as a southeast out-post. The well will be the Marine No. 2 and will be 330 feet south and 330 feet east of the northwest corner of the northeast quarter of the northeast quarter of the section. Crews are erecting derrick.

Saturday's drilling report: Lion Morgan B-4, SE 1-4, 18-18-17, cored, 7,628 to 7,633 feet, porous oolitic lime with gas odor; casing set at 7,639 feet. Lion Morgan B-5, SE 1-4, 18-18-17, drilling at 4,725 feet. Lion Marine No. 2, SE 1-4, 17-18-17, drilling at 2,310 feet. Lion Morgan A-4, lot 1, SW 1-4, 18-18-17, drilling at 3,100 feet. Lion Miller No. 1, NE 18-18-17, setting casing at 2,310 feet. Lion Morgan C-2,

SE 18-18-17, clearing location on Morgan A-5, SW 1-4 18-18-17, rigging up. Lion Mayfield No. 1, lot 3, NW 1-4, 18-18-17, building derrick.

Marine fee No. 3, NW, SW 17-18-17, cored from 7,570 to 7,582 feet, saturated sand drilled to 7,590; casing set at 7,679 feet. Marine Fee No. 4, SW, SW 17-18-17, drilling at 2,312 feet. Marine Justiss No. 3, NW 1-4, 18-18-17, drilling at 1,108 feet. Marine Justiss No. 4, lot 7, NW 1-4, 18-18-17, drilling at 5,491 feet.

Alice Sidney D. S. and J. C. Morgan No. 3, SE 1-4, 18-18-17; stuck drill pipe at 2,300 feet.

Phillips Justiss No. 2, lot 6, NW 1-4, 18-18-17, casing set at 7,700 feet. Phillips Marks No. 2, lot 2, SW 1-4, 18-18-17, casing set at 7,700 feet, testing casing. Phillips National No. 1, SW 17-18-17, drilling at 7,345 feet. Phillips Rosen No. 2, SE 18-18-17, drilling at 3,840 feet. Phillips Marine Fee No. 1, NE 20-18-17, casing set at 1,247 feet. Phillips Marine No. 2, NE 20-18-17, building derrick.

Texas-Canadian Powledge No. 1, NW, NW 21-18-17, rigging up.

Jones Murphy and Hurley Murphy Land Company A-1, NE 1-4, NE 1-4, 19-18-17, drilling at 6,624 feet.

Deepening of Lisbon Field Anticipated

Democrat 1-30-38
Rumors Heard—Buckner Field May Be Extended Into Miller.

Shreveport, La.—Continued rumors of proposed deep tests for the Lisbon field and indications that increased drilling will occur with the opening of spring, to the south, southwest and southeast of present Glen Rose lime producing limits, were heard the past week as the present horizon was definitely extended a quarter-mile northeast, and a three-fourth mile southwest outpost, that has shown evidence of producing, prepared to test.

The week's rumors of the expected deep test at Lisbon placed its location at various points, notably in sections 3 and 4-20n-4w, and in section 1-20n-5w. In the latter section some leases were placed on record calling for transfer of rights to horizons below the present producing one at 5,200-5,380 feet.

The extension well to the northeast was Magnolia Petroleum Company's No. 1 Fowler, section 28-21n-4w, completed after using 3,000 gallons of acid, flowing 40 barrels hourly from 5,209 feet, with five feet of porosity.

Child wildcat interest was centered in testing of E. T. Oakes, H. D. Easton et al's, No. 1 Griggs, section 36-18n-1w, Lincoln parish. This test, after perforating at 5,932-41 feet where good porosity and resistivity had been shown by Schlumberger, swabbed dry with a slight showing of oil and then was twice acidized, once with 2,000 gallons, testing no show, and again with 4,000 gallons during testing of which a little gas and distillate appeared, with testing continuing as the week closed. Total depth is 6,260 feet. Forty-eight shots were used in perforating at 5,932-41 feet in basal Glen Rose lime.

Another interesting wildcat which reached contract depth of 6,000 feet and shut down at 6,025 feet, in red anhydrite of lower Marine, but will be deepened with major company assistance another 500 feet in search of the Permian lime, is W. J. Furlong Jr. et al's, No. 1 E. M. Clark, section 10-20n-7e, Morehouse parish, near Mer Rouge.

The chief leasing flurry for the week was in township 23 north, range 5 west, Claiborne parish, where Shell Petroleum Corporation has leased extensively in the wake of geophysical exploration. Tide-water and Union Producing (United) were adding to their holdings around the Shongaloo district, Webster parish.

In the Dolet Hills area, south off-shoot of Bull Bayou, DeSoto parish, M. J. Grogan of Shreveport paid \$7,500 cash and \$10,000 out of oil for east half of southwest quarter of section 7-11n-11w, in the same section where Petroleum Heat and Power Company recently completed a flowing Tokio sand well. Companies owning acreage around Logansport, DeSoto parish, are seeking an extension of leases, as many of them expire this year, but are meeting a cool response in most cases from landowners.

The Rodessa field, Louisiana side, where there are only five tests drilling, with seven other active operations, added one well last week, Standard's No. 2 Terry, section 2-23n-16w, that gauged 345 barrels in 24 hours. The reducing of Rodessa's allowable on the Louisiana side 8,000 barrels to 42,000 barrels for February will have little effect, as that is

about what the Louisiana side of the field is now averaging. One new lower Marine gas-distillate well was added at Cotton Valley, Webster parish, for the week, this being Magnolia's No. 7 Marshall, section 21-21n-10w, which gauged 630 barrels of distillate and eight million feet of gas in 24 hours through half-inch tubing choke, at 8,405 feet.

With three tests in the deep Shuler field, Union county, Ark., ready to perforate casing and test in the lower Marine, another unledging stuck pipe and a similar situation existing in Columbia county's "hot-test" wildcat, chief interest last week in Arkansas from a leasing standpoint was centered in the extension of the "play" from the new Buckner field, Columbia county, across the Lafayette line into Miller county.

Phillips Petroleum Company has two tests, both in section 18-18-17, ready to perforate and test the deep horizon at Shuler, and Lion Oil Refining Company has another. Alice Sidney Oil Company had hung drill stem in another that had gone into the Permian lime and has total depth of 7,717 feet.

Kerrlyn Oil Company's No. 1 Barnett, section 14-17-20, Columbia county wildcat, that was seeking the Permian lime found productive at Buckner, had just cored shale and dolomite for the 10 feet above when it hung drill pipe at total depth of 7,590 feet. The dolomite indicated the Permian lime might be near.

Taubel et al's, No. 1 Tatum, section 18-16-22, Lafayette county, second test in Buckner to spud, was drilling below 3,675 feet after topping massive anhydrite at 3,300 feet.

The leasing in Miller county included activity by C. E. Miller et al. in township 15, range 21; Andrew V. Erwin in township 18, range 27, and F. Earles in townships 14 and 15, ranges 26 and 27.

Standard of Louisiana is reported to have "farmed out" to Kerrlyn Oil Company about half of its block around section 33-16-26, Miller county, for a test on the west part of the block, Standard having drilled a failure at 5,775 feet in 33-16-26. Kerrlyn is expected to drill in or near section 36-16-27.

Shell Petroleum is reported to have acquired a large part of the block held by Erwin and Leach in township 16, range 23, Lafayette county. McAlester Fuel, Mid-Continent Petroleum and Standard of Louisiana are acquiring protective acreage in township 19, range 23.

A new Glen Rose lime wildcat for Shelby county, Texas, was assured last week when Joe Burmah of Fort Worth, Texas, took over Ed Gregory et al's, No. 1 George, C. C. Tutt Survey, three miles south of Shelbyville, to deepen to the Glen Rose from present total depth of 2,950 feet. He was assigned 900 acres around the test and secured 400 acres additional.

Daily average oil production in north Louisiana last week was 78,470 barrels, including Louisiana's part of Rodessa. Arkansas's average was 42,455 barrels, including 8,150 barrels from that state's side of Rodessa, and 8,410 barrels from the Shuler field, Union county. The Texas side of Rodessa's average was 17,565 barrels.

Review of Ark

ansas Oil Fields

Lisbon Field Limits as Yet Are Undefined

Democrat 2-6-38
Extended Two Ways Past Week—Buckner Field Very Active.

Shreveport—Extension of the Lisbon field in two directions featured oil developments in north Louisiana the past week, as the Rodessa field accounted for only routine work on the Louisiana side of the three states' district.

Classed as one of the best wells in the field and completed without use of acid, C. R. Schuster's No. 1 Sallie Lloyd, section 2-20n-5w, Claiborne parish, was completed at 5,277 feet, flowing 286 barrels the first 17 hours through 10-64-inch choke, and later mounted to 35 barrels per hour. This well extended the Lisbon field three-fourths of a mile southwest. It was completed from 12 feet of saturation, without use of heavy saturation, without use of acid.

One-half-mile southeast of production, Lyons and Neely's H. W. Patton Estate B-1, section 6-20n-4w, Lincoln parish, was completed from 14 feet of saturation, flowing 74 barrels per hour through three-quarter-inch choke and later being choked to 45 barrels per hour through

quarter-inch. Acid was used.

Two interesting wildcats appeared to have been written off the records as failures. In Red river, Arkansas Fuel Oil Company (Cities Service) definitely abandoned No. 1 Franklin Realty Co., section 20-11n-9w, at total depth of 7,155 feet, where salt water flow was encountered. E. T. Oakes, H. D. Easton et al's No. 1 Griggs, section 36-18n-1w, Lincoln parish, after failing to show anything except a little gas and distillate in basal Glen Rose lime at 5,932-5,941 feet, where casing was perforated with 48 shots, was shot with seven quarts of nitro-glycerin, but still failed to show anything larger. Operators plan to perforate slightly higher up the hole and if nothing is found there to abandon at present total depth of 6,260 feet in Travis Peak shale and slickensides. Another nearby test may be drilled.

A test that will have an important bearing on exploration of the Permian lime in north Louisiana, was drilling ahead below 9,780 feet. Contacts have not been given out on this test, which is Standard of Louisiana's No. 2 Brownfield, section 5-19n-5w, Claiborne parish. Sugar Creek district, which produces from the Glen Rose and Travis Peak horizons. It is the third deepest test ever drilled in north Louisiana.

In the Cotton Valley field, Webster parish, Ohio Oil Company completed No. 2 Warren Cox, section 23-21-10w, from the lower Marine gas-distillate horizon at 8,110 feet, 49 feet in the lower Marine, flowing 243 barrels of distillate in first 12 hours through 3-8-inch tubing choke, with casing pressure 2,400 pounds and tubing, 2,600 pounds.

A. G. Oilphant's No. 2 Banks, section 34-21n-10w, south offset to one of the three Travis Peak oil wells in the field, found the producing zone of the other wells too tight to produce and late in the week was coring this formation at 5,771 feet. After taking the next core, an electrical tester was to be run.

Standard Oil Company of Louisiana is surveying right-of-way for a four-inch line from the Cotton Valley field, Webster parish, to its Weller pumping station in Claiborne parish. Arkansas Louisiana Gas Company (Cities Service) is extending expiring leases in the Sibley area, Webster parish. J. P. Evans is arranging to utilize his block at Sibley, on which he has three Glen Rose gas-distillate wells.

Three new lower Marine oil producers were completed in the Shuler field, Union county, Arkansas, to bring the total of producing wells in that district from this 7,500-foot horizon to 14. Two of the wells were operations of Phillips Petroleum Company. All were cut down to the 800-barrel-per-day allowable per well for that horizon before getting entire potential open flow capacity on a 24-hour gauge. A fourth well was testing as the week closed. All these operations were in section 18-18-17.

Three new locations were announced in this field, one by Phillips in ne section 20-18-17, and two by Edwin M. Jones, discoverer of this horizon at Shuler, the latter's two new tests being in sw section 16-18-17, and ne section 19-18-17, all outside tests.

Chief wildcat interest in Arkansas was centered in Kerrlyn Oil Company's No. 1 Barnett, ne section 14-17-20, Columbia county, southeast of the town of Mangolia, and on a line between the Buckner and Shuler fields. This test unlogged hung drill pipe at 7,590 feet, logged top of the Permian lime at 7,618 feet (elevation 321 feet), cored down to 7,659 feet with oolitic lime that had taste of gas and a sulphur odor, and then hung pipe again at 7,659 feet, where efforts were being made to unlog again.

In Hempstead county, Magnolia Petroleum Company has a geophysical party at work and Kerrlyn Oil Company's shooting crew, working in township 18, range 12, Union county, has completed its work there. However, a Heiland geophysical unit concentrated at Urbana, Union county, was shooting recently seven miles southeast of El Dorado in the direction of Strong, and Atlantic Refining Company has a seismic party working in township 17, range 17.

A leasing flurry developed north of Strong, in the northern part of township 18, range 12, where Miss Ruby Coffee was reported to have paid as high as \$25 per acre for leases for Kerrlyn Oil Company. Lion Oil Refining Company and Hunt Oil Company joined in the play.

In township 19, range 13, W. H. Murch, for Fohs Oil Company, did considerable leasing around section 16, being joined by Hunt, Lion Oil, and Marine Oil Company. Hunt is the largest lease owner in that area, with Magnolia having considerable acreage in the southern part of that township and range and Root Petroleum Company also having considerable protection acreage.

Lyons & Neely and Lillian Taubel's No. 1 Tatum, section 18-16-22, Lafayette county, southwest of the Buckner field discovery well of Standard of Louisiana, in section 8-

16-22, is drilling below 4,950 feet, checking favorably with the Standard's discovery well. Standard spudded its second test of the Buckner area last week and is rigging up for another test, the latter in section 8 and the former in section 18, but across the line in Columbia county.

OIL NEWS

Shuler Field Drilling At Record Pace

2-6-38

Special to the Gazette.

El Dorado, Feb. 5.—Operations in the Shuler field west of El Dorado are moving forward at the fastest pace since the first producing sand of the level was discovered in April of last year. At present there are 11 producing wells from the Morgan sands, 12 from the Jones sand and one from the Reynolds lime and drilling is under way or will be started soon on 24 other tests, including four expected to be completed as Jones sand producers in the next week or 10 days. Present daily production from the area is more than 12,000 barrels.

The new production allowables for the Jones sand producers became effective Tuesday and almost doubled the production for the field and gave incentive for drilling new tests.

Permits issued for wells this week gave indication that the work of extending the field is moving forward gradually, three were issued that would extend the producing area to the northwest, southwest and southeast if completed as producers. Three wells were completed as Jones sand producers this week but two of them were killed for recompletion due to the gas-oil ratio being in excess of the 2,000-to-1 as fixed by the state Conservation Department.

The two tests killed were the Justiss No. 2 and the Marks No. 2 tests of the Phillips Petroleum Company in Section 18-18-17. The Lion Oil Refining Company completed its Morgan B-4 test in Section 18-18-17, for a big producer.

The Marks No. 2 test of the Phillips Company in the northeast corner of lot 2 in the southwest quarter of Section 18-18-17, was completed through casing perforations from 7,515 to 7,550 feet and produced oil at the rate of 521 barrels daily on a 20-64-inch choke, but the gas-oil ratio was excessive and operators decided to kill the well Thursday and re-perforate, probably at a lower level. The well had been perforated with 83 shots. It is expected that the well will be ready for its second testing early next week.

The second completion of the week was the Lion Oil Refining Company's Morgan B-4 test in the northwest corner of the southwest quarter of the southeast quarter of Section 18-18-17. It was completed through 180 casing perforations from 7,518 to 7,542 feet and is producing oil at the rate of 800 barrels daily under a tubing choke.

The Phillips Petroleum Company Wednesday completed its Justiss No. 2 test in the southeast corner of lot six in the northwest quarter of Section 18-18-17, and in a 17-hour test produced 320 barrels of oil and gas in excess of the 2,000-to-1 ratio and operators decided Thursday to kill the well and re-perforate. The first test was made with 134 casing perforation from 7,528 to 7,552 feet.

Another completion expected this week-end is the Fee No. 3 test of the Marine Oil Company in the southwest corner of the northwest quarter of the southwest quarter of Section 17-18-17. Plug was drilled early this week and casing was perforated Thursday from 7,521 to 7,568 feet.

The Alice Sidney Company this week set casing at 7,717 feet in its Morgan No. 3 test in the northwest corner of the northeast quarter of the southeast quarter of Section 18-18-17, after releasing stuck drill stem at 2,200 feet. Final testing is expected early next week.

Three Outpost Tests Planned. Two of the permits for outpost tests were issued to Jones, Murphy and Hurley and the third was issued to the Marine Oil Company.

Jones and associates obtained permit for the C. H. Murphy No. 2 test 330 feet north and 330 feet west of the southeast corner of lot six in the northwest quarter of Section 19-18-17. The new test is in the southeast corner of the same 40-acre tract on which the same operators last year drilled the C. H. Murphy No. 1 test and temporarily abandoned it below 6,000 feet when it failed to make a producer in the Morgan sands. It is expected that the No. 1 test also will be deepened to the Jones sand. The test is a southwest ex-

tension about two miles from the Jones sand discovery well.

The same operators obtained permit to drill the Levi Rodgers No. 1 test 330 feet north and 330 feet west of the southeast corner of the southwest quarter of Section 16-18-13, the first test in that section. The test is about a mile and a half southeast of the Jones discovery well.

A northwest outpost will be drilled by the Marine Oil Company. It is the Frances Miller No. 1, 330 feet north of the center of the south line of the east half of lot one on the northwest quarter of Section 18-18-17, and is a west offset to the Miller No. 1 of the Lion company.

Operators this week started deepening two tests temporarily abandoned when they failed to produce in the Morgan sands last week. They are the Powledge No. 1 of the Alice Sidney Company in the southeast corner of the southwest quarter of the southeast quarter of Section 7-18-17, shut down below 6,000 feet; and the Murphy Land Company No. 1 test of Jones, Murphy and Hurley in the northwest corner of the northeast quarter of the northeast quarter of Section 19-18-17. The Alice Sidney Company is building derrick on the Powledge location and Jones et al. is drilling below 6,957 feet on the Murphy test.

The Lion company is drilling on four other tests in the area and is preparing to start operations on three others. The Morgan B-5 in Section 18-18-17, is drilling below 5,483 feet, the Marine No. 2 in Section 17-18-17, below 2,750 feet, the Morgan A4 in Section 18-18-17, below 3,950 feet and the Miller No. 1 below 3,400 feet. The same operators are preparing to start drilling on the Morgan C-2 in Section 18-18-17, the Morgan A-5 in Section 18-18-17, and the Mayfield No. 1 in Section 18-18-17.

The Phillips company is drilling three tests and preparing to start operations and is preparing a core for the Jones sand, the Rosen No. 2 in Section 18-18-17, is drilling below 7,550 feet, the National No. 1 in Section 17-18-17, is drilling below 4,750 feet, the Marine No. 1 in Section 17-18-17, is drilling below 2,300 feet, and operations are to be started soon on the Marine No. 2 in Section 20-18-17.

The Marine company is drilling on three tests. The Fee No. 4, in Section 17-18-17, is below 4,150 feet, the Justiss No. 3 in Section 18-18-17, below 1,700 feet and the Justiss No. 4 in the same section is below 6,240 feet. The Texas Canadian company is drilling below surface casing in its Powledge No. 1 test in Section 21-18-17.

In the new Buckner area of Columbia county the Standard Oil Company this week made location for a new test in the same section as the McKean discovery well. The new test will be the S. T. Crone No. 1 in the northwest corner of the northwest quarter of the southeast quarter of Section 8-16-22. The same company is drilling below 3,000 feet in its Bodcaw No. 1 test in the northeast corner of the southeast quarter of the northeast quarter of Section 18-16-22.

In the same area the Clarence Taubel is drilling below 4,300 feet in his Tatum No. 1 test in the southeast quarter of the northwest quarter of Section 18-16-22. At Buckner L. E. Tennyson has made location for a test in the northeast quarter of the northeast quarter of Section 13-16-23, but operations have not been started.

New Desha, Miller Tests Planned.

In the northern part of Desha county the Southern Carbon Company is reported to have assembled a block centering around Section 34-8-3, southeast of Varner and planning to start a test this month.

In southern Miller county near Fouke the Kerr-Lynn Company is reported planning a test in or near Section 33-16-26 and A. V. Erwin is reported assembling a block of acreage in the west half of township 18, range 27.

Freda L. Layton obtained permit to drill the Hugh McKellar Estate A-1, 200 feet north of the south line and 330 feet west of the east line of the fractional west half of the fractional west half of the fractional Section 15-20-28, and the Hugh McKellar Estate No. A-2, located 860 feet north of the south line and 330 feet west of the east line of the fractional west half of the fractional Section 15-20-28, both in Miller county.

W. D. Wingfield obtained permit for the Kidd Estate No. 1 test 300 feet south and 300 feet west of the northeast corner of the northwest quarter of the southwest quarter of Section 15-18-13 in Union county. The Phillips Petroleum Company obtained a permit for the Marine No. 2 test 330 feet south and 330 feet east of the northwest corner of the northeast quarter of the northeast quarter of Section 20-18-17.

The Lion Oil Refining Company obtained permits for the Edna Norgan A-5 330 feet south and 330 feet west of the northeast corner of lot 7 in the

southwest quarter of Section 18-18-17; the Myrtle Mayfield No. 1 test, 330 feet north and 330 feet west of the southeast corner of lot 3 in the northwest quarter of Section 18-18-17, and the D. S. and J. C. Morgan C-2, 330 feet north and 330 feet east of the southwest corner of the southeast quarter of the southeast quarter of Section 18-18-17, all in Union county. A. H. Tarver obtained permit to drill the Mrs. Guy Smith No. 1 test 300 feet north and 300 feet west of the southeast corner of the northeast quarter of the southeast quarter of Section 16-14-19, in Ouachita county.

The Coker Oil Corporation of Arkansas obtained permit to plug and abandon the C. L. Cabe No. 1 test located 330 feet south and 330 feet east of the northwest corner of the northwest quarter of Section 14-10-20 in Clark county.

Lease was canceled for the Hugh McKellar Estate No. 1 test of F. L. Layton, 330 feet north and 330 feet west of the southeast corner of the fractional west half of the fractional west half of Section 15-20-28, in Miller county.

Logs were filed for the C. W. Hayes et al., State of Arkansas No. 3, in Hempstead county; the Ozark Natural Gas Company, J. H. McDonald No. 2 in Franklin county; the W. C. Peazel, J. E. Eason No. 1, in Miller county; the

Shreveport Production Area Again Extended.

2-6-38

Special to the Gazette.

Shreveport, La., Feb. 5.—A rank south Arkansas wildcat which logged a show of gas as it entered the Permian lime section, completion of a three-quarter mile southwest outpost in the Lisbon field and addition of three new oilers from the Lower Marine zone in the Shuler district highlighted developments this week in the Shreveport territory.

In Columbia county, Arkansas, east of Magnolia, Kerr-Lynn Drilling Company's Barrett No. 1, Section 14-17-20, was trying to unplug a stuck drill stem to core ahead from 7,659 feet after logging a gas show about 40 feet in the Permian lime formation.

New Acreage Opened.

Considerable new acreage was opened to development this week in the Lisbon field, Claiborne parish, Louisiana, with completion of the three-quarter mile southwest outpost of C. R. Schuster at Lloyd No. 1, section 2-20-5, flowing 10 barrels hourly through a 10-64 inch choke from the 5,300-foot Glen Rose lime.

Another deep north Louisiana wildcat was added to the failure list when Arkansas Fuel Oil Company abandoned its Franklin No. 1, Section 20-11-9, Red River parish, at 7,155 feet.

Second producer for the recently opened south offshoot area of the old Bull Bayou field, DeSoto parish, was watched as A. P. Barrett's Jal No. 1, Section 7-11-11, arranged to test at 2,809 feet. It showed for a producer on drill stem test before casing was set.

A 3,000-foot string of nine-inch casing was cemented in H. J. Furlong's Clark No. 1, Section 10-20-27. Morehouse parish wildcat, bottomed at 6,014 feet preparatory to resuming drilling to the Permian lime horizon. In Bienville parish, Gulf's Goodpine No. 1, Section 25-14-8, was past 7,625 feet.

At Shongaloo, Webster parish, the deep test of Magnolia Petroleum Company et al. at Sexton No. 1, Section 32-23-9, was drilling past 6,840 feet. The deep test in the Sugar Creek area of Claiborne parish of Standard of Louisiana et al. at Brownfield 2, Section 5-19-5, was past 9,815 feet. In the Blanchard area, Caddo parish, the new outpost of Haynes & Olson at Sharp No. 1, Section 32-23-9, had set surface casing.

In Natchitoches parish, J. E. Popkins of Washington, D. C., has taken a 4,000-acre block and built derrick for a proposed new Woodbine wildcat at Peavy-Wilson Lumber Company No. 1, Section 36-7-9.

88,000 Acres Leased.

In Vernon, Rapides and Sabine parishes, W. T. Burton has taken geophysical option on 88,000 acres of leases belonging to the Louisiana Saw Mill Company, Louisiana Long Leaf Lumber Company, Forrest Lumber Company and the White Grandin Lumber Company.

The Texas company set a 13 3/8 inch surface casing at 579 feet in Claude Adams No. 1, Thomas Cox survey, proposed 9,000-foot test to the Lower Marine zone in the Bethany field of Panola county, Texas. In Harrison county Arkansas Fuel Oil Company killed gas flow in Abney 1, Eason Little survey, in the Waskom field, and was reconditioning the hole to resume from 4,820 feet.

The Cass county, Texas, wildcat of Vincent Hughes et al. at T. C. Lyster No. 1, W. Bateman survey, was drilling ahead past 4,430 feet after being shut down several weeks. It logged top of Georgetown line at 4,215 feet.

Unable to shut off water which broke in to mar show of oil at 1,304 feet, A. H. Tarver, Shreveport independent, has

abandoned Dean No. 1, Section 14-16-19, Ouachita county, Arkansas, wildcat, and made location for a new test at Smith No. 1, 900 feet southward.

Review of Ark

ansas Oil Fields

Cotton Valley

Activity May

Widen Field

Democrat 2-13-38

Three Wells Under Way

—Arkansas Production

Takes Spurt.

Shreveport—Testing of three operations that have shown indications of extending the Travis Peak producing horizon in the Cotton Valley field, Webster parish, indicated extension of the Lisbon field a fourth mile south, and Permian lime possibilities of a wildcat test east of the Monroe Uplift, were the highlights of the past week in north Louisiana oil territory.

The Travis Peak horizon at Cotton Valley now has three oil producers, which the past week were pro-rated for the first time, their per well yield being cut to 300 barrels daily by the Louisiana Conservation Commission, effective February 7. Two of the wells had been added in the last fortnight, for about 1,500 barrels daily capacity each, and the other had been completed by Ohio Oil Company in its No. 6 R. L. Holloway, section 23-21-10, in August, 1936. This well has yielded over 260,000 barrels of oil to date and was averaging when pro-rated about 475 barrels daily. The lower Marine at Cotton Valley, which is below 8,000 feet, yields gas and distillate.

Three-fourths of a mile northeast of the nearest of the three Travis Peak producers, H. L. Hunt's No. 1 Hope, section 24-21n-10w, which logged 12 feet of saturated Travis Peak formation, was flowing by heads late in the week making about one-half barrel of oil each 30 minutes as testing continued.

One-half mile west of production, North American Oil Consolidated's No. 1 Stewart, section 32-21n-10w, set casing after logging 10 feet of saturation, and is ready to test. A. G. Oliphant's No. 2 Banks, section 34-21n-10w, on the south flank of the field, which also logged about the same amount of saturation, was testing at total depth of 5,804 feet. Locations were announced during the week for eight new Coon Valley tests, all of which will test the Travis Peak and if not productive there may be deepened to the lower Marine.

One-fourth mile due south of former producing limits, Delta Drilling Company's No. 1 Wise and Tatum, section 7-20n-4w, Lincoln parish, Lisbon district, tested 10 feet of saturated basal Glen Rose lime from 5,325-31 feet and from 5,337-41 feet and set casing. Four other wells were waiting on final casing string to set and another was swabbing. Six tests besides these are drilling, four are rigging and there are four other active locations. Gulf Refining Company has made locations for two new tests in section 2-20n-5w, near the recent three-quarter mile southwest extension producer of C. R. Schuster et al. The latter well and the adjacent 30 acres have been transferred to E. T. Oakes, discoverer of the Lisbon field.

Standard Oil Company of Louisiana et al. were arranging to plug back to straighten crooked hole at No. 2 Brownfield, section 5-19n-5w, Claiborne parish, deep Sugar Creek test that was seeking Permian lime. The well has reached 9,964 feet, lacking only 36 feet of becoming the third 10,000-foot test in north Louisiana or Arkansas. At 9,964 feet it was found to be 22 degrees off vertical. The other two 10,000-foot tests in north Louisiana were Gulf Refining Company's No. 15 Rhymes, section 32-17n-6e, Richland parish, and R. W. Norton's No. 1 Payne, section 27-23n-16w, Rodessa field, Caddo parish, that went to 10,486 feet.

A test that will have an important bearing on information relative to the southeast "trend" from the Shuler field, Arkansas, as regards Permian lime producing possibilities, was watched last week in W. J. Furlong Jr. et al.'s No. 1 E. M. Clark, section 10-20n-7e, Morehouse parish wildcat, that was coring pink anhydrite and shale at 6,044 feet in lower Marine, and expected to pick up the Permian at any time. It will be taken to 6,500 feet if no saturation is found above. This test is on a secondary high east of the Monroe uplift and is furnishing valuable information of lower horizons, since no deep tests between that uplift

and the Mississippi river in the northeast direction have been drilled.

This test with others drilling to the northwest might, in the opinion of some geologists, prove a shoreline condition in the deeper strata paralleling the Ouachita river for a distance of 200 miles.

Joe Modisett No. 1 Frost, section 14-21n-1e, Union parish wildcat, that will be deepened from 7,010 feet to 9,100 feet, will have heavier rig installed. It is also a possible "Shuler trend" test. Standard Oil Company of Louisiana, which has an interest in this test, is preparing to drill immediately on another block it has in township 23 north, ranges 1 and 2 west, Union parish, which will be drilled regardless of the outcome of No. 1 Frost.

Test May Link Fields.

On a direct line midway between the Buckner field, Columbia county, Arkansas, and the Shuler field, Union county, both of which produce from the Permian lime, Kerr-Lynn Oil Company of Oklahoma, last week appeared to have opened another possible Permian lime producing area.

This company's No 1 Barnett, section 14-17-20, Columbia county, which with an elevation of 321 feet topped the Permian lime at 7,618 feet, cored saturation from 7,659-64 feet and was trying to set casing. An "elbow" reported about 1,600 feet from surface, which is blamed for drill stem hanging twice, may also have caused the hanging of pipe 35 feet off bottom Thursday.

This location is on a pronounced geophysical high structure, being different in this regard from Standard of Louisiana's No. 1 McKean, section 8-16-22, Columbia county, discovery well of the Buckner field, which is believed to be of the low relief type.

Standard of Louisiana is preparing to make location in section 15-17-19, Columbia county, for a Permian lime test, on a block it has had under lease for some time. E. O. Olds' No. 1 Mary Dennis, section 4-17-21, will be deepened from 4,513 feet to 7,750 feet by Jimmie Kimbrough et al.

Tidewater Associated Oil Company may defer for several weeks the starting of a deep test on a block it holds around the old Stephens field, township 15, range 19, which was scheduled to have begun by March 1. Shell Petroleum Corporation has moved in a seismograph unit to check this area.

In the scramble for leases around Strong, Union county, Joe Modisett and Kerr-Lynn Oil Company are reported to have assembled the most acreage and an early test in this vicinity is rumored. R. N. Turnbow and J. D. Tolbert, believed to represent major companies, have been leasing actively in the vicinity of the shallow Mount Holly field, which yielded a few small wells about nine years ago.

Two new wells were added during the week in the lower Marine horizon of the Shuler field, Union county, to boost the total completed from that horizon there to 16. Heretofore, it has been the custom to class all oil producers from that horizon there as sour crude wells, but it now develops hot wells producing from a depth above sub-sea level of 7,300 feet are yielding sweet oil, due to structural conditions as regards sulphur water. However, it is believed that as time goes on the sulphur encroachment will change this sweet oil production to sour grade.

Daily average production in Arkansas mounted 5,615 barrels last week to 47,130 barrels, due to a large gain in Shuler, which shot upward 5,235 barrels to 13,460 barrels. Miller county, Arkansas's part of Rodessa gained 309 barrels to 7,923 barrels. North Louisiana's average dropped 2,055 barrels to 78,595 barrels. The Louisiana part of Rodessa rose 1,093 barrels to 44,433 barrels. The East Texas side of Rodessa rose 815 barrels to 30,725 barrels.

Review of Ark

ansas Oil Fields

New Columbia

County Field

Getting Play

Democrat 2-20-38

"Shuler Trend" Also Be-

ing Tried Out Across

Louisiana Line.

Shreveport, La.—Definite extension of the Lisbon field two locations to the south, and announcement of plans for an 8,500-foot test to the north side of the old shallow Cartersville-Sarepta field, in Webster parish, featured developments in north Louisiana last week.

Another development of more than passing interest was the transfer of several hundred acres of leases in the proven and semi-proven part of the Cotton Valley field, Webster parish, to Hunt Oil Company by Standard of Louisiana, which is practically

withdrawing from that field, although it retains the leases on which it has two lower Marine gas-distillate producers.

Magnolia Petroleum Company, which has been active in geophysical exploration and leasing along the Louisiana-Arkansas line, contracted to drill the 8,500-foot test north of Cartersville production, on a 760-acre lease secured from the Pardee Company in sections 8 and 17-23n-11w, Webster parish, the test to be started by next July 3. Magnolia also added considerable acreage during the week in sections 1, 10 and 12-23n-12w, Bossier parish.

Delta Drilling Company, on a lease secured from Amerada Petroleum Corporation completed No. 1 Wise and Tatum, section 7-20n-4w, Lincoln parish, flowing 66 barrels per hour through three-quarter-inch choke. This test logged 10 feet of saturation and pushed production limits of Lisbon two locations to the south. In this same field, the Sloan and Zook Company assigned to Tippet Drilling Company the southwest of the southeast of section 1-20n-5w, in the limits of production.

Jerry Ryan of Shreveport has assembled a 2,000-acre block in DeSoto parish, centering around section 3-11n-13w, for a 3,000-foot test to be spudded by May 15. In the same parish near Logansport, W. F. Bridewell of Marshall, Tex., is trying to get co-operation in drilling a Glen Rose lime test in section 3-11n-16w, by April. South of Naborton production and in the vicinity of a drilling campaign of eight tests, started when a nose off this field was found productive, Petroleum Heat and Power paid \$10,000.00 cash and \$5,000.00 from one-eighth of production for sw se section 7-11n-11w. Approximately 7,000 acres of leases have been secured around a supposed salt dome in section 22-13n-8e, Franklin parish, by Continental Oil Company, which has had a shooting crew in that area in recent months.

Several miles west of where he is testing a lime in basal Glen Rose lime at 5,932-41 feet, but without success, in section 36-18n-1w, Lincoln parish, E. T. "Rebel" Oakes, former major league baseball player, and discoverer of the Lisbon, La., field has re-assembled a block formerly held by Gigantic Oil Company around section 30-18n-1w. In the same parish, Arkansas-Louisiana Gas Company has been leasing recently around section 8-17n-6w.

Due to interest in the Shuler southeast trend play, Ohio Oil Company has sent a shooting unit into Morehouse parish to work in township 23 north, range 6 east, and Sun Oil Company and the Texas Company have been taking scattered leases in the same parish, in township 22 north, range 6 east. In section 10-20n-7e, W. J. Furlong Jr., and associates shut down temporarily at 6,142 feet in dolomitic shale of basal lower Marine while owners negotiated with several operators who sought to purchase the test and surrounding acreage. This test is expected to hit the Permian lime before it reaches 6,500 feet, as it has checked unusually high and has had the interest of several major companies who took leases to finance its deepening to that level. It is on the extreme southeast edge of the Shuler trend play.

Feverish Campaign Unabated.

The leasing, geophysical exploration and royalty buying campaigns in the northwest-southeast Shuler trend, through Columbia and Union counties in south Arkansas, the heaviest in this state in many years, continued unabated last week.

Chief interest from an operating standpoint centered in the testing of Kerr-Lynn Oil Company's No. 1 Barnett, section 14-17-20, Columbia county, in which plugs were drilled in seven-inch casing landed at 7,051 feet, late in the week. Total depth is 7,664 feet, where five and one-half feet of saturated Permian lime was cored. Casing was set at 7,051 feet because it hung there and operators thought that perhaps before completion a short string might have to be set nearer bottom.

Standard Oil Company of Louisiana was ready to spud No. 1 Phillips, section 15-17-19, proposed Permian test in Columbia county. Joe Modisett, who secured 2,000 acres recently on a "high" shot by Kerr-Lynn Oil Company in township 18, range 12, Union county, is preparing to move in rig for an immediate Permian lime test. In the Buckner area, Standard of Louisiana's No. 1 Crone, section 8-16-22, was drilling below 3,430 feet and its No. 1 Bodcaw, section 18-16-22, was drilling near 5,000 feet. Clarence Taubel's (Lyons and Neely) No. 1 Tatum, section 18-16-22, three-fourths mile southwest of the discovery well at Buckner, was drilling below 6,600 feet. The discovery well produced at 7,258 feet.

On the extreme northwest of the Shuler trend play, H. D. Easton, R. P. May and C. E. Murdock announced plans to drill to 4,500 feet in No. 1 LaGrone, ne ne section 5-12-26, Hempstead county, Ark., which has been shut down at 2,944 feet due to high water. They are trying for the truncated edges of the Permian. A test seven miles northwest went from the Travis Peak into Pennsylvanian at 2,185 feet, without logging Permian, and they hope they

are sufficiently far south to get this lime, as the test to the northwest logged only 85 feet of Travis Peak and they have been in this formation for the last 600 feet. Eighteen miles south of the present test, E. H. Moore's No. 2 Dale, section 24-15-26, Miller county, picked up top of Permian at 7,278 feet, and was abandoned in this formation at 7,310 feet.

In the Columbia county "play," Tidewater Associated Oil Company was assigned a large block around section 12-18-20, which has been under process of assembly some time. Playing a northeast Rodessa trend in Miller county, Ark., Lide and Greer of Dallas, Tex., have been leasing actively in the southern part of township 19, range 27, Miller county, and Hunt Oil Company and Texas Company have secured large acreage recently in Union county around section 5-19-11. In the recent lease scramble in township 19, range 13, Union county, leasing has somewhat subsided from the frenzy of a fortnight ago, with Fohs Oil Company, which started the play, coming out with over 1,000 acres. Standard of Louisiana has been actively leasing around section 28-18-16, where a shooting picture apparently has borne out a geological theory of a cross fold.

The lower Marine (Jones sand) at Shuler, Union county, last week added its seventeenth oil producer when Phillips Petroleum Company added No. 1 First National Bank, section 17-18-17, after perforating in the Jones sand, flowing 443 barrels in 10 hours. Jones sand was topped at 7,539 feet; elevation is 225 feet.

One well was completed last week in the Jefferson district, Marion county, Texas, southwest off-shoot to Rodessa, which has 20 active operations under way at present, including the Lodi nose in the same county. The new well is Heyser, Heard and Clardy's No. 3, Henderson, R. Bennington survey, flowing 15 barrels hourly through quarter-inch choke. Total depth is 6,021 feet. Phillips Petroleum Company's Lockett 1, U. Ewing survey, west edge well, was reported to have logged good saturation in the Gloyd and was preparing to set casing. Gloyd was topped at 6,072 feet.

Daily average oil production in Rodessa last week totaled 81,240 barrels, divided among the three states as follows: Arkansas, 7,910 barrels; Louisiana, 42,990 barrels, and Texas, 30,440 barrels. Daily average for the entire north Louisiana territory was 77,085 barrels, and for south Arkansas, 48,070 barrels. Shuler, Ark., had an average of 14,470 barrels.

OIL NEWS

Shuler Field

Production In

Steady Climb

2-20-38

Special to the Gazette.

El Dorado, Feb. 19.—Re-completion of two tests and completion of another test in the Jones sand of the Shuler field west of El Dorado and start of final testing operations on the Barnett No. 1 wildcat test of the Kerr-Lynn company in the eastern part of Columbia county featured oil activities in south Arkansas this week.

The two recompletions in the Shuler field were the Marks No. 2 and the Justiss No. 2 tests of the Phillips Petroleum Company, both in Section 18-18-17, completed two weeks ago with gas at a rate in excess of 2,000 cubic feet to each barrel of oil, as allowed by the Conservation Department, necessitating their re-completion. The new completion was the First National No. 1 test of the Phillips company.

The first re-completion was the Justiss No. 2 test. The well had been perforated from 7,528 to 7,552 feet with 134 shots and in the re-completion was perforated from 7,542 to 7,561 feet with 96 shots.

The second re-completion was on the Marks No. 2 test in which casing had been perforated from 7,516 feet to 7,550 feet with 83 shots. In the re-completion the casing was perforated from 7,545 feet to 7,560 feet with 83 shots.

Drilling on the Barnett No. 1 test in Section 14-17-20, six miles east of Magnolia, twice was delayed when the drill stem became stuck, first at 1,500 feet, later at 7,000 feet. Casing has been set for the final test.

The First National No. 1, in southeast corner of the northeast quarter of the southwest quarter of Section 17-18-17, was swabbed in early Wednesday after casing was perforated from 7,542 to 7,577 feet with 158 shots. The well produced more than 600 barrels Wednesday but a flow of salt water developed and operators announced Thursday that a "squeeze job" would be performed.

The well will be back on production in about a week.

Similar "squeeze jobs" were performed on two other tests in Section 17-18-17 which developed salt water. Geologists believe the salt water emanated from a different sand than the Jones formation as there has been no salt water production in other producers in the sand. It is expected that after the squeeze job, the national test will be perforated at a different level with only the Jones formation being penetrated.

Murphy A-1 Sets Casing.

Casing was set Thursday for final testing of another well in the Jones sand of the Shuler field, the Murphy Land Company A-1 of Jones, Murphy and Hurley in Section 19-18-17. The test, located in the northwest corner of the northeast quarter of the northeast quarter of the section, was completed as a Morgan sand producer below 6,000 feet and was deepened to the Jones sand.

The test encountered the top of the Jones formation at 7,517 feet and penetrated it at a depth of 7,576 but making a total of 59 feet of heavily saturated oil sand that was cored. The hole was reamed down to 7,580 feet, where casing was set for final testing. The well is expected to be completed about the middle of next week.

Another test in the Shuler field is coring in the Jones sand. It is the Justiss No. 4 of the Marine Oil Company in the center of lot seven in northwest quarter of Section 18-18-17.

The Jones formation was encountered

at 7,519 feet and operators are coring in the formation below 7,540 feet. It is expected that casing will be set and final testing started on the well in about 10 days.

There are 14 other tests in the Shuler area drilling at various depths and an additional test is waiting on rig to start drilling. Permits have been issued for three other tests. Jones, Murphy and Hurley has made locations for three new tests but have not started operations. They are the C. H. Murphy No. 2 in the southeast corner of lot six in the northwest quarter of Section 19-18-17; the Levi Rodgers No. 1 in the southeast corner of the southwest quarter of the southwest quarter of Section 16-18-17 and the Murphy Land Company A-2, 430 feet from the east line and 205 feet from the south line of the northeast quarter of the northeast quarter of Section 19-18-17.

The Marine company is drilling three additional tests. The Fee No. 4 test in Section 17-18-17 is drilling below 6,050 feet; the Justiss No. 3 test in Section 18-18-17 is drilling below 5,390 feet and the Miller No. 1 test in Section 18-18-17 is drilling below 1,550 feet.

Powledge No. 1 to Be Deepened.

The Alice Sidney Company has started operations on its Powledge No. 1 test in Section 7-18-17, which is to be deepened to the Jones sand. The well temporarily was abandoned below 6,000 feet several months ago after it failed to encounter production in the Morgan sands. Operators are reconditioning the hole preparatory to deepening.

The Phillips company is drilling on two tests and is rigging up on a third. The Rosen No. 2 test in Section 18-18-17 is drilling below 6,150 feet and the Marine No. 1 test in Section 20-18-17 is drilling below 5,690 feet. Rigging up is under way on the Marine No. 2 test in Section 20-18-17 and operations are expected to be started soon.

The Lion Oil Refining Company is drilling seven tests in the Shuler area: The Morgan B-5 test in Section 18-18-17 below 6,550 feet; the Morgan A-4 test in Section 18-18-17 below 5,860 feet; the Morgan A-5 test in Section 18-18-17 below 2,350 feet; the Morgan C-2 test in Section 18-18-17 below 2,300 feet; the Miller A-1 test in Section 18-18-17 below 5,550 feet; the Marine No. 2 test in Section 17-18-17 below 5,208 feet and the Mayfield No. 1 test in Section 18-18-17 below 1,750 feet. The Texas Canadian Oil Corporation is drilling below 2,350 feet on its Powledge No. 1 test in Section 21-18-17.

Exclusive of the National No. 1 test of the Phillips company on which the squeeze operation has been started, there are 16 producers in the Jones sand with total production of 12,377 barrels daily. The 11 producers in the Morgan sands have total production of 2,997 barrels daily and a producer from the Reynolds lime is producing 477 barrels daily. Total production for the 28 wells is 15,851 barrels daily. The Lion Oil Refining Company with daily production of 6,199 barrels daily is the largest producer.

In the Village area of Columbia county in Section 15-17-19 the Standard Oil Company is reported planning to start operations early next week on its W. P. Phillips No. 1 test. In the Buckner area of Columbia and Lafayette counties the Tatom No. 1 test of Clarence Taubel in Section 8-16-22 is drilling below 6,300 feet. The test is three quarters of a mile southwest of the McKean No. 1 discovery well of the Standard Oil Company and is nearing an interesting stage and is expected to attract considerable interest as it ap-

proaches the producing level.

The Thomas Croan No. 1 test of the Standard company in Section 18-16-22 in the same area is drilling below 3,500 feet and the Bodcaw No. 1 test of the Standard in Section 17-16-22 is below 4,500 feet.

Five Drill Permits Issued.

The Columbia Fuel Corporation of Monroe, La., obtained permit to drill the Victoria Cross No. 1 test 1,916 feet north and 600 feet east of the southwest corner of Section 34-8S-3W in Desha county.

The Canadian-American Oil Company of Piggott obtained permit to drill the Dovie Elder No. 1 test 300 feet south and 300 feet west of the northeast corner of the northeast quarter of the northwest quarter of Section 9-20N-8E in Clay county.

The Standard Oil Company of Louisiana obtained permit to drill the W. P. Phillips et al. No. 1 test 660 feet north and 660 feet west of the center of Section 15-17-19 in Columbia county.

W. C. Feasel obtained permit to drill the J. E. Easton No. 2 test 671 feet west and 330 feet south of the northeast corner of the northwest quarter of the southwest quarter of Section 12-20-28 in Miller county.

The Alice Sidney Oil Company obtained permit to deepen the Nancy E. Powledge No. 1 test located 330 feet north and 330 feet west of the southeast corner of the southwest quarter of the southeast quarter of Section 7-18-17 in Union county.

The Federal Oil Marketing Company obtained permits to plug and abandon four tests in Union county. They are the Biles and Wilroy No. 6 test 1,170 feet south and 150 feet east of the northwest corner of Section 20-17-14; the Moody-Wingfield No. 1 test located in the south half of the northeast quarter of the northeast quarter of Section 19-17-14; the Moody-Wingfield No. 2 test and the Moody-Wingfield No. 3 test, both on the same lease as the No. 1 test.

The Marine Oil Company filed log of the Marine Oil Company No. 3 test in Section 17-18-17 in Union county.

The special meeting of the state Conservation Board called for Monday to consider rules and regulations for drilling wells to the Reynolds lime in the Shuler field had been indefinitely postponed, but the board will meet Monday to set production allocations for wells in the Shuler and south Miller county fields for March. Walter Helms of Texarkana, appointed to the Conservation Board to succeed Walter L. Brown, El Dorado, who resigned, is expected to attend.

Many New Leases Taken During Week in Shreveport Area.

Special to the Gazette. Shreveport, La., Feb. 18.—While both leasing and drilling activity showed a pickup this week in the Shreveport territory, there were no developments of an unusual nature in actual field work.

Kerr-Lynn Oil Company's Barrett No. 1, section 14-17-20, looming as a new oil field opener in Columbia county, Ark., east of Magnolia, which has been holding attention since last week when it cored oil saturation in the permian lime and set casing for test at 7,664 feet, gained closer attention as it prepared to drill plugs. With only 5 1-2 feet of saturated reported in the lime, which had been topped only about 40 feet above, some reports are that the well may take several additional cores before test is made.

Six miles east of the well, Standard of Louisiana was ready to spud its new permian lime wildcat near Willage, at Phillips No. 1, section 15-17-19, Columbia county. In the Buckner area of Columbia county, where Standard completed McKean No. 1, to open a new field from permian lime at the 7,200-foot level, Clarence Taubel et al's Tatom No. 1, section 18-18-22, three-quarters of a mile southwest, was due to start coring for the pay next week, being below 6,705 feet as the week closed. Two other wells are being drilled in the area by the Standard.

Prices Reach \$40 an Acre.

Five miles south of the Kerr-Lynn wildcat, Tidewater Associated Oil Company this week completed work on a large spread of leases centering around section 12-18-20. A new lease play developed in Union county, Arkansas, around Wesson, section 28-18-16, with the Standard of Louisiana buying after detailing the area with seismograph. An upper cretaceous cross fold is reported to have been mapped. Prices reached \$40 per acre.

In Miller county, northeast of production in the Rodessa extension area, about 10 miles, a new lease play was started with Lide and Greer of Dallas, Tex., taking a spread of leases in township 18, range 27.

Eastern limits of the lower Marine pay in the Cotton Valley field, Webster parish, Louisiana, were extended a half-mile this week with Ohio Oil Company completing Bodcaw No. 2, section 24-21-10 at 8,222 feet. The well's flow of gas distillate was not gauged immediately, however.

In this same area, Ohio was testing its Bodcaw No. 48, section 15-21-10 at 8,410 feet and North American Oil Consolidated's Coyle 1, section 28-21-10,

prepared to test at 8,330 feet.

Tests Fail in Travis Peak Zone.

The 5,900-foot Travis Peak oil zone in this area, interest in which was renewed in the last several weeks with the completion of four producers, received a set-back this week when two wells, one of them two miles outside of the field, failed to find saturation in the zone at around 5,900 feet. They will continue ahead to the Lower Marine.

Third producer for the recently opened southwest offshoot area of the Zwolle field, Sabine parish, loomed as the week closed at Hunter Company's Bowman Hicks No. 2, section 12-7-13, bottomed at 3,563 feet which was installing pump after flowing about 100 barrels daily by heads.

South limits of the Lisbon field, Claiborne and Lincoln parishes, was extended two locations with Delta Drilling Company completing Wise and Tatum No. 1, section 7-20-4, at 5,341 feet, flowing 66 barrels hourly through a 3-4 inch choke.

On the northeast edge of the Cartersville shallow field of Webster parish, Magnolia Petroleum Company has contracted to start an 8,500-foot test on Pardee Lumber Company land before July 3, with location either in section 8 or 17-23-11.

In Franklin parish, Continental Oil Company has acquired a block of 6,700 acres around section 22-13-8, believed to cover a salt dome. In Morehouse parish, Sun Oil Company is taking scattered acreage around section 30-18-1 west, with Tex: Company working in same general area. Magnolia continues to lease around section 9-23-9 Webster parish, with over 3,000 acres to date.

Review of Ark

ansas Oil Fields

Activity at Peak Along State Line

Democrat 2-27-38
Shuler-Buckner 'Trend',
on 200-Mile Front,
Gets Big Play.

Shreveport, La.—Two tests in the Shuler-Buckner trend play, extending over a front of 200 miles, in a southeast to northwest direction through several Arkansas counties and into north Louisiana held center of interest in this territory the past week.

On the southeast end of this trend "play," Furlong and associates No. 1 Clark, southwest section 10-20N-6E, Morehouse parish, Louisiana, was coring below 6,307 feet in what some identified as low Marine sand, found productive at Schuler, Union county, Arkansas, and others claimed was in the Permian series. The latter based their belief on identification of the Permian at 6,218 feet; elevation is 103 feet.

The other test in this "trend" holding attention was Kerr-Lynn Oil Company's geophysically located No. 1 Barnett, northeast section 14-17S-20W, Columbia county, Arkansas, that was running five-inch casing to bottom at total depth of 7,780 feet, following running of electrical tester. This operation had shown salt water when tested at total depth of 7,664 feet, following drilling of plugs in seven-inch casing set at 7,051 feet, where it hung. Electrical logging device indicated the salt water came from below saturation, six feet of which was logged at 7,658 to 7,664 feet. However, the salt water show had an appreciable effect on lease and royalty trading in the vicinity, where prices have soared.

A three-quarter mile north extension of the northeast end of the Rodessa field, Louisiana side, appeared likely as Freeman W. Burford's No. 1 Brown, section 5-23N-15W, Caddo parish, was testing 31 feet of reported Gloyd saturation with casing perforated at 6,084 to 6,100 feet, and from 6,044 to 6,071 feet. Total depth is 6,124 feet. Burford has over 2,500 acres along the Louisiana-Arkansas line in that vicinity, roughly between the Louisiana northeast offshoot and the Arkansas producing part of Rodessa.

Another test that may open a new producing horizon in an old field is J. G. Sutton Oil Company's Sabine Lumber Company No. 1, northeast section 23-7N-14W, Saline parish, proposed deep test in the west Zwolle (Blue Lake) district, which showed oil in 18 feet of cores just above 3,580 feet in Tokio, and was preparing for drill stem test.

Fohs Oil Company was moving in material for a proposed 6,000-foot test, southeast of the shallow Cartersville-Sarepta field, Webster parish, the new location being No. 1 Thomas, southeast section 10-22N-11W. North of this shallow field Magnolia Petroleum Company re-

cently contracted to start an 8,500-foot test by July 3 in sections 8 or 17-23N-11W, and has added recently about 2,500 acres in townships 23 north, ranges 9, 10 and 11 west.

The daily allowable for the Louisiana side of Rodessa for the month of March was left at 42,000 barrels daily, the same figure as for February, with the same augmented field allowable of 66,000 barrels, according to the proration order issued by the Louisiana Conservation Commission. A total of 8,609.8 acres was allocated to production with the acreage factor set at one acre equals 3,8328 barrels, and bottom hole pressure factor was given as one pound equals .0664 barrels.

The daily allowable at the Lisbon field was left at 10,000 barrels for March, with the 20-acre space rule unchanged. A total of 3,472.3 acres was listed as productive. The acreage factor in that field was set at one acre equals 2,4398 barrels and the bottom hole pressure factor at one pound equals .01534 barrels. One hundred ninety-seven wells were listed on the order including those productive and expected to be completed by March 1. The Sligo field, Rossier parish, was given its same allowable of 600 barrels daily for March from its six basal Glen Rose producing oil wells.

The lower Marine horizon of the Cotton Valley field, Webster parish, below 8,000 feet, classed as a gas field, although it yields gas and distillate, was given an increased allowable, the 24 producers in that horizon there being given a combined daily gas withdrawal of 53,000,000 cubic feet, an increase of 6,000,000 feet daily.

Coring in Columbia Well.

Despite the set back to Columbia county leasing and trading, due to the appearance of salt water in Kerr-Lynn Oil Company's No. 1 Barnett, NE section 14-17S-20W, which, however, cored ahead and is setting five-inch casing on bottom, Arkansas continued to have a high peak of activity.

Lyons and Neely's No. 1 Lillian Taubel (Tatum fee) NW section 18-16S-22W, LaFayette county, Ark., three-fourths mile southwest of the discovery well at Buckner, was coring just below 7,200 feet, at which level the discovery well picked up its first saturation. There is only two feet difference in elevations.

In section 15-17-19, Columbia county, Standard of Louisiana's No. 1 Phillips, was drilling below 1,350 feet, and the same company's two tests at Buckner, No. 1 Bodcaw-Barbara, section 18-16-22, and No. 1 Crone, section 8-16-22, were drilling below 6,020 and 5,160 feet, respectively.

A. V. Erwin will start a 6,000-foot test by May 15 near the center of his block around section 7-19-26, LaFayette county. Northeast of Shuler production in Union county, L. A. Greling of Tyler, Tex., has leased 80 acres in section 4-17-18. In this same county, in the Shuler "trend," E. G. Bradham made location for No. 1 S. L. Robbins, section 12-19-16.

Arkansas-Louisiana Gas Company (Cities Service) made location in the Johnson county gas field for the first operation in some time, this being No. 2 Hudson, NW section 14-10-24.

J. R. Tolbert Jr., has been leasing around the village of Taylor, Columbia county, in township 19 south, range 23 west. Amerada Petroleum Corporation has moved a shooting unit into Bradley county around the village of Vick. Union

Producing Company (United) has a shooting unit near Huttig, Union county, and Atlantic Refining Company is shooting around the old Mount Holly area in township 16, range 18.

Arkansas Fuel Oil Company, (Cities Service), which has had trouble for several weeks with No. 1 C. M. Abney, Eason Little Survey, Harrison county, Tex., that blew out from the Glen Rose at 4,820 feet, this week, cemented a short string of seven-inch casing at 2,440 feet to shut off upper gas horizon. This operation is a Trinity test.

Daily average oil production last week in north Louisiana totaled 79,555 barrels, including Rodessa. The average for south Arkansas totaled 46,800 barrels, of which 13,340 was from Shuler and 7,680 barrels from the Miller county part of Rodessa. The Rodessa, Tex., side of the field averaged 29,860 barrels.

OIL NEWS Second Well In Reynolds Lime Due In

2-27-38

Special to the Gazette.

El Dorado, Feb. 26.—Two of the 16 wells drilling at various depths in the Shuler field are expected in next week, bringing to 18 the number of producers from the Jones sand and to two the

number from the Reynolds lime. The 17th Jones sand well—the Murphy Land Company No. 1—was brought in yesterday. The 18th well is a recompletion of the First National Bank No. 1.

Justiss No. 4 Due In.

The completion expected in the Reynolds lime is the Justiss No. 4 test of the Marine Oil Company in the center of lot seven in the northwest quarter of section 18-18-17. The test encountered good oil showings in the Jones sand, but drilling was continued to the "big lime" and cores in that formation showed good oil saturation and heavy gas pressure. Casing was set at 7,719 feet and it is expected that the well will be completed about the middle of next week.

The Marine Company has one Morgan sand producer on the Justiss lease and one Jones sand producer with another drilling. Maximum production regulations of the Conservation Department allow one well to 20 acres in the Jones sand and it is believed here that the Marine drilled to the big lime to complete a gas well. The big lime producer of the Lion Oil Refining Company in the center of lot one in the southwest quarter of section 18-18-17—south of the Marine's Justiss—is producing an estimated 8,000,000 cubic feet of gas daily along with about 500 barrels of high gravity oil.

The re-completion expected in the Jones sand is the First National Bank No. 1 test of the Phillips Petroleum Company in the southeast corner of the northeast quarter of the southwest quarter of section 17-18-17, in which salt water showings were made after it was completed last week. The test encountered good showings of oil in the Jones sand in cores from 7,542 to 7,577 feet. The well produced about 600 barrels of oil daily and salt water. Operators decided to re-complete the well with a squeeze job. New cement retainer has been set in the well at 7,528 feet and it is expected that the well will be re-completed as a big producer early next week.

Lion Drilling Seven Tests.

The Lion Company is drilling ahead on seven tests in the Shuler field. They are the Morgan B-5 in section 18-18-17, drilling at 7,100 feet; the Marine No. 2 test in section 17-18-17, at 5,986 feet; the Morgan A-4 test in section 18-18-17, at 6,279 feet; the Miller No. 1 in section 18-18-17, at 5,986 feet; the Morgan C-2 in section 18-18-17, at 4,150 feet; the Morgan A-5 in section 18-18-17, at 4,000 feet and the Mayfield No. 1 in section 18-18-17, at 2,517 feet.

The Marine Company is drilling on three tests, the Fee No. 4 in section 17-18-17, at 6,550 feet, the Justiss No. 3 in section 18-18-17 at 5,976 feet, and the Frances Miller No. 1 in section 18-18-17, at 2,563 feet.

The Phillips Company is drilling on two tests and preparing to start operations on two others, including a test for which location was made this week. They are drilling at 6,750 feet on the Rosen No. 2 test in section 18-18-17 and at 6,350 feet on the Marine No. 1 test in section 20-18-17. The company is waiting on rig to start the Marine No. 2 in section 20-18-17 and this week made location for the Justiss No. 4 test in the northwest corner of lot six in the northwest quarter of section 18-18-17.

The Alice Sidney Oil Company is drilling below 6,150 feet in the Powledge No. 1 test in section 7-18-17, being deepened to the Jones sand and after being abandoned as a dry hole at 6,005 feet. The Texas Canadian Company is drilling below 2,500 feet on the Powledge No. 1 test in section 21-18-17.

New Allowables Set.

The Arkansas state Board of Conservation has set production allowables for March for the Shuler field of Union county and the Rodessa extension of south Miller county, providing for an increase in the production of the south Miller county field of more than 1,000 barrels daily and reducing the per well allowable of Jones sand producers in the Shuler field from 800 to 700 barrels daily. Under the allocation for February the Miller county field actually produced about 7,900 barrels daily. Under the new figures, the actual production allowable will be fixed at 8,976 barrels daily for 66 wells now on production or expected to be producing by Tuesday. There are also six wells classed as gas wells in the area and 16 producers in the Jones sand of the Shuler field. Three more are expected to be placed on production by Tuesday.

Barnett No. 1 Shows Salt.

Oil activities in the Magnolia area of Columbia county received a set-back this week when cores on the Barnett No. 1 test of Kerr-Lynn in section 14-17-20 five miles east of Magnolia encountered showings of salt in cores bottomed at 7,714 feet after good oil showings were obtained from 7,659 to 7,664 feet. Casing was set in the hole last week about 600 feet off bottom of the hole after the good oil show was made and coring was continued this week after plug was drilled. Despite the salt showing, which temporarily put a damper on leasing activities in the area, operators are reported planning to set five and one-half inch casing for testing of the oil showing from 7,659 to 7,664 feet.

Bodcaw-Barbara at 5,900 Feet.

In the Buckner area of Columbia

county near the Lafayette county line the Standard Oil Company of Louisiana is drilling below 5,900 feet in its Bodcaw-Barbara No. 1 test in section 18-16-22. The same company is reported drilling below 5,000 feet in its S. T. Crone No. 1 test in section 8-16-22. The tatum No. 1 of Lillian Taubel in section 18-16-22 is reported nearing the level from which the Standard obtained production in its McKean No. 1 discovery well in the area. In the village area of Columbia county near the Union county line the Standard Oil Company is drilling below 1,000 feet in its W. P. Phillips No. 1 test in section 15-17-19.

In Hempstead county H. D. Easton et al are reported preparing to resume drilling operations on the R. M. Lagrone No. 1 in section 5-12-26 after plugging back to 1,000 feet from 2,944 feet to sidetrack lost tools. Survey showed that the old hole was 14 degrees off plumb and it is expected that due to the crookedness of the old hole, the new one will be straight.

In Union county southwest of Wesson in section 12-19-16, E. G. Bradham has resumed operations on the old Coates well in the southwest corner of the southwest quarter of the northeast quarter of the section.

At Urbana W. D. Wingfield and associates have set casing at 2,250 feet in their Kidd No. 2 test in southeast quarter of the southwest quarter of section 15-18-13 in the Nacatosh sand. Completion is expected early next week. The same operators recently completed their Kidd No. 1 test for a small Nacatosh sand producer.

Only one permit was issued by the state Conservation Department this week and log of one well was filed. E. G. Bradham of El Dorado obtained permit to drill the S. L. Robbins No. 1 test 700 feet west of the east line and 330 feet north of the south line of the southwest quarter of the northeast quarter of section 12-19-16 in Union county. Log of the D. S. and J. C. Morgan No. 3 test in section 18-18-17, Union county, was filed by the Alice Sidney Oil Company.

Wildcats, Outpost Tests Hold Shreveport Oil Interest.

Special to the Gazette. 2-27-38

Shreveport, La., Feb. 26.—A group of wildcats and outpost tests widely scattered over the Ark-La-Tex district, nearing crucial stages, held the close attention of Shreveport operators as the week closed.

Its promise dimmed earlier in the week by a showing of salt water when a five-foot section at 7,664 feet was tested that previously had been cored with a show of oil, Kerr-Lynn Oil company's Barrett No. 1, section 14-17-20, Columbia county, Ark., Permian lime test, again claimed attention as it ran five-inch casing to make further tests.

In coring deeper in the lime to 7,730 feet, additional saturation was reported picked up and a Schlumberger test run showed some saturation above the level tested. Casing will be perforated in these zones.

Also in Columbia county, five miles east of the Kerr-Lynn location, Standard of La. spudded and was below 1,500 feet in its new Permian lime test at Phillips No. 1, section 15-17-19.

Rodessa Outpost Watched.

An outpost test on the Louisiana side of the Rodessa field, Freeman W. Burford's Brown No. 1, section 5-23-15, was watched closely as it tested after perforating casing in two levels of the Gloyd zone from 6,044-71 feet and from 6,084-6,100 feet. Total depth is 6,124 feet.

On the Cass county, Texas, side of the Rodessa field, 4 1-2 miles north of production, G. H. Vaughn et al's Riley 1, J. Taylor survey, cored near 5,875 feet for the top pay series.

Arkansas Fuel Oil Company's Abney 1, Eason Little survey, Glen Rose test in the Waskom area of Harrison county, Tex., prepared to drill ahead from 4,820 feet in the top of this formation after setting string of seven-inch casing to 2,440 feet to case off a gas level which had been causing trouble several weeks.

Testing show of oil and gas with salt water from the Woodbine sand at 3,580 feet, the proposed deep test in the Blue Lake area of the shallow chalk rock field of Sabine parish of Sutton Oil Company at Sabine Lumber Co. No. 1, section 23-7-14, was drilling ahead.

The progress of W. J. Furlong et al's Clark No. 1, section 10-20-7, Permian lime test in Morehouse parish, which logged top of the formation at 6,218 feet, was checked closely as it was past 6,325 feet. In Bienville parish, Gulf Refining Co.'s Goodpine 1, section 25-14-8, was below 8,475 feet. Standard Oil Co.'s Frost 1, section 14-21-1, Union parish test, was drilling ahead past 7,165 feet. Magnolia Petroleum Co.'s deep test at Shongaloo, Webster parish, the Sexton No. 1, section 32-23-9, was below 7,580 feet.

Fohs Oil Company has started moving in materials for a 6,000-foot hole in the shallow Sarepta-Cartersville area of Bossier and Webster parishes at Thomas No. 1, section 11-22-11.

Approximately a mile outside of production on the southwest side of the Lisbon field, Claiborne parish, location was staked by W. H. North of Shreve-

port for a new outpost at T. F. Patton No. 1, SW-NE section 11-20-5.

Two Gas-Distillate Wells In.
Two new gas-distillate producers were completed this week from the 8,200-foot Lower Marine zone in the Cotton Valley field, Webster parish. North American Oil Consolidated completed Coyle 1, section 28-21-10, flowing 25 barrels hourly through 1-2-inch choke and Magnolia Petroleum Company completed Mixon 2, section 22-21-10, making 385 barrels in 14 hours through 7-16-inch choke.

South of production in the Jefferson end of the Rodessa field, Arkansas Fuel Oil Company staked location for a new outpost try at Hill No. 1, on a 13-acre tract in the T. Gillespie survey. The company's Pitts No. 1, Lockhard survey, 1 1-2 miles southwest of production, was drilling ahead after setting surface casing.

Review of Ark

ansas Oil Fields

Zwolle Field May Develop New Stratum

Lisbon Active—South Arkansas Leases Bring

High Prices
Democrat 3-6-38

Shreveport, La.—Indications of a new producing horizon—the Washita—in the old shallow, abandoned West Zwolle (Blue Lake) oil field, Sabine parish, extension of the producing limits of the Louisiana side of Rodessa three-fourths of a mile northeast, and continued development of the deep Cotton Valley field, Webster parish, featured north Louisiana developments the past week.

J. G. Sutton-Zwolle Oil Company's No. 1 Sabine Lumber Company, section 23-7n-14w, was arranging to set seven-inch casing after testing 1,200 feet of 36-gravity oil in nine minutes in a drill stem test, after 12 feet of saturated sandy lime was logged from 3,841 to 3,753 feet. The well showed so much gas that heavy mud had to be pumped in to prevent a blowout. Should this well produce it would open this old field's production in a new horizon as the formerly productive 2,100-2,200 zone yielded five wells from the Nacatoch sand and chalk. They were abandoned several years ago.

Freeman W. Burford's No. 1 H. Clay Brown, section 5-23n-15w, Caddo parish, three-fourths of a mile northeast of Rodessa production on the Louisiana side, and nearly a mile south of the same operator's small two-mile outpost well in section 8-20-27, Miller county, Arkansas, produced 225 barrels of oil in 14 hours through choke, following acidization.

Five new locations were announced last week in the Cotton Valley field, Webster parish, which produces gas distillate from the lower Marine below 8,000 feet and has six oil wells from the Travis Peak at 5,600-5,800 feet. However, it is reported that some operators are looking more askance at lower Marine production there due to the increased gas-oil ratio, which it is believed in time may bring the field completely to dry gas.

Drilling of \$125,000 tests to this horizon with a close proration—only about one and one-half million feet per day per well being allowed—are expensive when dry gas may be the sole yield before the wells pay out. The Travis Peak oil horizon has been erratic in the field.

In the Lisbon field, Atlantic Refining Company recently paid \$46,000 for two forties, one in SE NW section 28-21n-4w, and the other in SE NE section 29-21n-4w. Six miles northeast of Ruston, Lincoln parish, southeast of the block on which Arkansas-Louisiana Gas Company some months ago completed a Glen Rose gas-distillate well, in section 32-19n-2w, T. L. James and Company are planning a 6,000-foot test. Harry Hawthorne of Bastrop, believed to be representing a major company, has secured a geophysical option on the holdings of Crossett Lumber Company, in township 23 north, ranges 6 and 7 east, in the Shuler "trend." These holdings are in Morehouse parish.

Hunter and Rowe's (formerly W. J. Furlong Jr. et al.) No. 1 E. M. Clark, section 10-20n-7e, Morehouse parish, on the southeast Shuler trend, was shut down at 6,515 feet, contract depth, after electrical tester was run, to determine if test is to be deepened. The bottom of the hole is still in quartzitic sand, possibly in lower Marine, although some determinations gave top of Permian at 6,218 feet.

New Horizontal at Shuler.

Arkansas' second Permian lime oil well was completed this week in the Shuler field, Union county, definitely adding that horizon to the Travis Peak and lower Marine as oil productive. One gas-distillate well had previously been completed in the Permian at Shuler. Only other oil producer from the Permian lime is the discovery well at Buckner, Columbia county.

Shuler's new Permian oil well is Marine Oil Company's Justice 4, NW, 18-18-17, which passed up the lower Marine. It was completed flowing 30 barrels of oil per hour through quarter-inch tubing choke, after casing, set at 7,719 feet, was perforated at 7,650-58 feet. The oil is about 38 gravity as compared to the 60 gravity distillate being produced in the lone gas-distillate well in this horizon at Shuler. The latter well is Lion Oil Refining Company's Morgan A-1 in the same section. There is no restriction on production from this horizon.

The producing limits of the new Buckner field, Columbia county, were definitely defined to the southwest last week when Lyons and Neely's No. 1 Lillian Taubel (Tatum Fee), was abandoned as a salt water hole at total depth of 7,282 feet, after it logged 10 feet of the Permian lime heavy with the water.

Kerr-Lynn Oil Company's No. 1 Barnett, section 14-17-20, Columbia county, about midway between Buckner and Shuler, which tested 5,400 feet of salt water on a drill stem test at 7,658-64 feet, but cored ahead to 7,740 feet and set five and one-half-inch casing, came in late Friday as a good producer.

A new Permian lime wildcat test for south Arkansas was promised with starting of rigging up for Phillips Petroleum Company's No. 1 Marsden, NE SW section 9-16s-11w, Bradley county. This test is on a 5,000-acre block, which joins another

15,000-acre block Phillips has in township 16, range 12. Texas-Canadian Oil Company had at one time negotiated for the block on which location has just been made.

Cash for Landowners.

In Ashley county, near Hamburg, Amerada Petroleum Corporation has a seismograph unit at work. Two miles east of the Kerr-Lynn test in Columbia county and three miles west of Standard of Louisiana's No. 1 Phillips wildcat in the same county, Tidewater Associated Oil Company leased west half NE section 18-17-19, for \$5,200 cash.

The biggest lease play of the week, however, was southwest of the old Stephens shallow field where, in Columbia county, Hunt Oil Company, Standard of Louisiana, Shell Petroleum Corporation and others were leasing in township 15, range 20, in an area recently shot. There has also been considerable leasing in township 15, ranges 21 and 22. McAlester Fuel Company (J. G. Putterbaugh) leased NE, SE, 10-16-22, at Buckner, for \$150 per acre cash and \$350 out of oil.

Playing the Shuler-Buckner trend farther northwest, Sun Oil Company has leased over 3,000 acres in townships 14 and 15, ranges 24 and 25, in Hempstead county. The same company has leased about 300 acres in LaFayette county in township 19, range 23.

Around Wesson, Union county, where there was a hot leasing campaign which has now about subsided, Standard of Louisiana secured about 4,000 acres in townships 18 and 19, range 16, and in the same area Lion Oil Refining Company secured about 3,300 acres. Tidewater Associated leased about 2,500 acres. Sun Oil Company is taking scattered leases in township 19, and in ranges 11, 12, 13, 14 and 15. At Shuler, Texas Canadian Oil Company leased 180 acres in section 35, and 36-18-17, for \$16,000 cash and the Atlantic Refining Company paid \$4,000 for SW SW 23-18-17.

Phillips Petroleum Company's No. 1 Lockett, U. Ewing Survey, Marion county, Texas, extended the producing limits of the Jefferson end of Rodessa, a quarter-mile last week, to feature activity in that end of the three states' field. The new well was completed, flowing 21 barrels per hour through quarter-inch tubing choke, from total depth of 6,170 feet. The gas-oil ratio was 350 to 1.

Daily average oil production in both north Louisiana and Arkansas gained last week. North Louisiana mounted 460 barrels to 80,015 barrels. Arkansas shot up 2,970 barrels to 49,770 barrels, largely due to a gain of 2,880 barrels in Shuler, which rose to 16,220 barrels.

Rodessa's average for the last week was 81,004 barrels, divided among the three states as follows: Arkansas 8,229 barrels; Louisiana, 42,240 barrels, and Texas, 30,535 barrels.

OIL NEWS Shuler Still In Spotlight As Wells Added

Special to the Gazette. 3-6-38

El Dorado, March 5.—Two new producers, one in the Jones sand and the other in the Reynolds lime, were completed this week to feature oil activities in the Shuler area of Union county, which continues to hold the spotlight of oil interest in south Arkansas.

The new completion in the Jones sand brought to 18 the number of producers in that formation and the Reynolds lime producer is the second producer in that deeper formation. There are also 11 producers in the shallower Morgan sands, making a total of 31 producing wells in the Shuler field. There are 15 other tests in the Shuler area drilling at various depths and three others on which operations are expected to start soon.

The first completion of the week was the First National No. 1 test of the Phillips Petroleum Company in Section 17-18-17, a re-completion job made necessary by the showing of salt water when first completed two weeks ago. After the well was killed, operators set a new cement retainer at 7,528 feet and perforated casing from 7,548 to 7,577 feet with 119 shots.

Washing was started Monday and the well soon started flowing at the rate of about 50 barrels an hour under choke with no showing of salt water as in previous testing. After the well was allowed to clean itself, it was placed under a smaller choke to keep production within the allowable set by the Arkansas Board of Conservation. The test is in the southeast corner of the northeast quarter of the southwest quarter of Section 17-18-17.

The Reynolds lime completion was the Justiss No. 4 test of the Marine Oil Company in the center of Lot 7 in the northwest quarter of Section 18-18-17 and was the second completion in the line, the other being the Morgan A-1 of the Lion Oil Refining Company, the Shuler discovery well.

Casing was set last week at 7,719 feet in the Justiss No. 4 test and casing was perforated from 7,650 to 7,658 feet with 20 shots. The well was washed in Tuesday with production of 30 barrels of oil per hour through a quarter inch tubing choke. The oil was of high gravity, being about 35 to 40 gravity compared with the distillate production from the Lion's lime well, whose gravity is above 60.

The Marine Oil Company is drilling ahead on three tests, two in Section 18-18-17 and one in Section 17-18-17. In Section 18-18-17 it is drilling below 6,780 feet on the Miller No. 1 test and below 6,550 feet on the Justiss No. 3 test. In Section 17-18-17 the operators are drilling below 7,100 feet on the Fee No. 4 test.

Deeper Pay Horizon in Zwolle Area Believed Reached.

Special to the Gazette. 3-6-38

Shreveport, La., March 5.—Apparent opening of a deeper pay horizon in the shallow Zwolle chalk rock field of Sabine parish and the extension of production on the Louisiana side of the Rodessa field three-quarters of a mile, topped developments this week in the North Louisiana district.

The new Zwolle pay zone opener was Sutton Oil Company's Sabine Lumber Company 1, Section 23-7-14 in the Blue lake sector of the field, which arranged to set casing. The well showed 1,200 barrels of 36 gravity crude on nine minute test from eight feet of Washita sand at 3,853 feet with 1-4 inch choke on top and 3-8 inch on bottom.

Near Discovery Oilier.

The well is in sight of the discovery oilier of the Zwolle field, completed in November, 1928, by R. L. Gay, from the 2,150-foot level. The Sutton company has a large spread of leases in the area.

At Rodessa, a producer at Freeman W. Burford's Brown No. 1, Section 5-23-15, flowing 16 barrels hourly through 1-2 inch choke after perforating casing in two sections of the Gloyd sand from 6,044-71 feet and from 6,084-6,100 feet, pushed production in the northeast end of the field 3-4 of a mile north. It also is about a mile south of a well completed across the Arkansas line in Miller county by Burford as a small producer. It opens a large territory to new development in the area.

Also of top ranking importance in development activity in the Shreveport territory was the completion of a second well from the Permian lime zone

in the Shuler area of Union county, Arkansas, by Marine Oil Company, its Justiss No. 4, Section 18-18-17, flowing 30 barrels hourly through 1-4 inch choke. Casing was perforated from 7,650-58 feet.

The Buckner area of Columbia county, Arkansas, with one producer from the 7,200-foot level in the Permian lime, completed several months ago, by the Standard Oil Company of Louisiana at McKean No. 1, received a set back when the first well to reach the zone, Clarence Taubel's Tatum No. 1, Section 18-16-22, three-quarter mile southwest outpost, found salt water and was abandoned.

Newest south Arkansas lease play centers around Wesson in Union county. The Standard of Louisiana has acquired more than 4,000 acres in township 18 and 19, range 16; the Lion Oil Refining Company about 3,500 acres in the area and the Tidewater Associated about 2,500 acres.

In Hempstead county, Arkansas, west of Patmos, where Root Petroleum Company drilled two wells in 1937, the Sun Oil Company has taken a 3,000-acre spread of leases in township 14 and 15, ranges 24 and 25.

The closely watched Morehouse parish, Louisiana, Permian lime wildcat of W. J. Furlong et al. at Clark No. 1, Section 10-20-7, was running Schlumberger test as the week closed after reaching contract depth of 6,500 feet, with no show reported in the lime, topped at 6,218 feet.

Goodpine No. 1 Near Pay Dirt.

In Bienville parish, Gulf Refining Company's Goodpine 1, Section 25-14-8, continued drilling ahead past 8,650 feet. In the Blanchard area of Caddo parish, the mile outpost test of A. O. Olson at Sharp 1, Section 10-18-16, was at 5,708 feet, due to reach the 5,900-foot pay zone by late next week. In Union parish, Standard of Louisiana's Frost No. 1, Section 14-21-1, another test seeking Permian lime, continued ahead past 7,410 feet.

The Cotton Valley field, Webster parish, with main pay at 8,200 feet, received a mile south outpost test with Mid-States Oil Corporation, staking location for Welori Lumber Company No. 1, Section 3-20-10.

OIL NEWS Morgan B-5 In Jones Sand Due In Next

Special to the Gazette. 3-13-38

El Dorado, March 12.—Completion of a well in the Jones sand this week-end and two others, one in the Jones sand and the other probably in the deeper Reynolds lime in the next 10 days, is expected in the Shuler area west of El Dorado.

The next completion is expected to be the Morgan B-5 test of the Lion Oil Refining Company in the southeast corner of the east half of the southeast quarter of section 18-18-17. Casing was set last week and operators Thursday prepared to test the casing before drilling plug for final testing this week-end.

Showings Promising.

Operators encountered heavy oil saturation in the Jones sand at about 7,522 feet in the first core taken from 7,512 to 7,529 feet. After the first core indicated the Jones sand had been reached, operators resumed drilling to near the bottom of the formation, where another core was taken from 7,580 to 7,592 feet, with the oil formation being shown to 7,684 feet. The hole was reamed out to 7,625 feet and casing was set at 7,620 feet.

Another Jones sand completion is expected to be the Rosen No. 2 test of the Phillips Petroleum Company in the southwest corner of the northeast quarter of the southeast quarter of section 18-18-17, in which heavy oil saturation has been cored in the Jones sand. Casing was started at 7,530 feet, with the top of heavy saturation being indicated at 7,547 feet. Casing was continued to 7,579 feet, with heavy oil saturation shown in all the cores. It is expected that coring will be continued until the formation is penetrated.

The Phillips company is coring ahead on another test, the Marine No. 1 test in the northeast corner of the northwest quarter of the northeast quarter of section 20-18-19. The test is the first in the section to reach the Jones formation.

Saturation in the Jones sand in the test has not been so solid as in other tests in the area. In a core from 7,520 to 7,535 feet seven and a half feet of heavily oil saturated sand was cored. In the next core from 7,535 to 7,545 feet a slight saturation was shown. The core from 7,545 to 7,560 feet showed gas odor and one from 7,560 to 7,570 showed fair saturation. Heavy saturation was

shown from 7,570 to 7,580 feet and sand shale was shown from 7,585 to 7,595 feet. The hole was reamed to 7,620 feet, where coring was started again.

Some reports were circulated here that the Phillips company would continue coring to the Reynolds lime formation and core that section before deciding whether to complete the well in the Jones sand or the Reynolds lime. If the well were completed in the Jones sand, it would be the first in section 20-18-17 and would extend the Shuler producing area to the south and slightly east.

There are now 31 producers in the Shuler field with total daily production of 15,824 barrels. Eighteen producers in the Jones sand have total production of 12,113 barrels; 11 in the Morgan sands have total daily production of 2,484 barrels and two Reynolds lime wells produce 1,227 barrels. Drilling in the Shuler field is under way on 14 tests and four others are expected to be started soon.

Morgan A-4 Drill Still Lost.

The Lion company has operations under way on six tests and is building a derrick on a seventh. The Marine No. 2 in section 17-18-17 is drilling below 6,787 feet and the Miller No. 1 in section 18-18-17, below 6,924 feet, while the Morgan A-4 in section 18-18-17, is still fishing for six joints of drill stem with total depth of 6,279 feet. The Morgan A-5 in section 18-18-17 is drilling at 5,720 feet; the Morgan C-2 in section 18-18-17, below 5,811 feet, and the Mayfield No. 1 in section 18-18-17, below 4,310 feet. Derrick has been erected for the Marine No. 3 test in section 17-18-17.

The Marine Oil Company is drilling three tests and has erected derrick for another. The Fee No. 4 test in section 17-18-17 is drilling below 7,486 feet and is expected to start coring for the Jones sand this week-end. The Justiss No. 3 test in section 18-18-17 is below 7,100 feet, and the Miller No. 1 test, also in section 18-18-17, is below 5,685 feet. Derrick has been erected for the Fee No. 5 test in section 17-18-17.

The Phillips Petroleum Company is drilling below 2,400 feet on the Justiss No. 4 test in section 18-18-17, and below 1,450 feet on the Marine No. 2 test in section 20-18-17.

Jones, Murphy and Hurley is drilling below 1,150 feet on the Murphy Land Company A-2 in section 19-18-17, and is rigging up for the Marine No. 3 test in section 17-18-17. Permit has been issued for the C. H. Murphy No. 2 test in section 19-18-17, but operations have not been started.

The Alice Sidney Company is drilling below 7,100 feet on the Powledge No. 1 test in section 7-18-17. The Texas Canadian Oil Corporation is drilling below 4,960 feet on the Powledge No. 1 test in section 2-18-17. The Phillips Petroleum Company has made location for the Marks No. 3 test in the center of lot 2 in the southwest quarter of section 18-18-17.

In the Village area of Columbia county near the Union county line, the Standard Oil Company is drilling below 4,100 feet on its Phillips No. 1 test in section 15-17-19.

New Union County Area Looms.

Eight miles southeast of Shuler in the Wesson area of Union county, three companies have taken large blocks of leases and drilling is expected to get under way on several tests soon. The area is southeast of the Shuler area in direct line with the Magnolia and Buckner areas in Columbia county.

The Standard Oil Company is reported to have assembled more than 4,000 acres in sections 26, 27, 28, 29, 30, 31, 32, 33, 34 and 35, in township 18, range 16 and in sections 2, 3, 4, 5, 10 and 11 in townships 19, range 16. The Tidewater Associated Oil Company is reported to have assembled 2,500 acres in section 1, 2, 11, 12, 13, 14, 23, 24, 26, 35 and 36 in township 18, range 16. The Lion Oil Refining Company is reported to have assembled a block of 3,500 acres in the area.

Five Drilling Permits Issued.

Five drilling permits, four permits to plug and abandon and one to change location and name of well were issued by the state Conservation Board this week and logs of three wells were filed.

The Phillips Petroleum Company obtained permit to drill the T. P. Marks No. 3 test 664 feet from the north and south lines and 665 feet from the east and west lines of lot 2 in the southwest quarter of section 18-18-17 in Union county. Charles F. Steele obtained permit to drill the Haynie No. 1 test, 330 feet south and 330 feet west of the northeast corner of the southeast quarter of the northwest quarter of section 6-14-20 in Nevada county.

The Lion Oil Refining Company obtained permit to drill the Marine No. 3 test, 330 feet east of the west line and 330 feet north of the south line of the southeast quarter of the southwest quarter of section 17-18-17 in Union county.

The Ozark Natural Gas Company obtained permit to drill the C. C. Hardin No. 1 test located 660 feet north and 660 feet west of the southeast corner of the southwest quarter of the southeast quarter of section 11-8N-29W in Franklin county.

The Phillips Petroleum Company obtained permit to drill the M. Justiss No. 3 test, 664 feet from the north and south lines and 666 feet from the east

and west lines of lot 6 in the northwest quarter of section 18-18-17 in Union county.

The Ozark Natural Gas Company obtained permit to change location and name of a well in Sebastian county. The well will be the Alsa Shropshire No. 1 test and will be located 870 feet south and 1,260 feet east of the northwest corner of the southwest quarter of the northwest quarter of section 21-8N-29W.

The Berry Asphalt Company obtained permits to plug and abandon two tests in Nevada county. They are the William Haynie No. 1, 150 feet south and 150 feet east of the northwest corner of the northwest quarter of the southeast quarter of section 1-14-21, and the William Haynie No. 1 test, 150

feet north and 150 feet east of the southwest corner of the southwest quarter of the northeast quarter of section 1-14-21.

The Lion Oil Refining Company obtained permit to plug and abandon the Wells B-6 test, 375 feet west and 200 feet south of the northeast corner of the southeast quarter of the northwest quarter of section 15-16-15 in Union county.

The Oil Field Supply and Metal Company obtained permit to plug and abandon the E. W. Anderson Estate No. 1 test in Ouachita county, exact location of which is not known.

Logs were filed by Stanley Rogers for the Treadway No. 1 test in Miller county; by R. H. Long for the Greer No. 4 test in Miller county, and by Edwin M. Jones for the Murphy Land Company A1 test in Union county.

New Horizons in Both Arkansas

And Louisiana Loom.

Gazette 3-13-38
Shreveport, La., March 12.—Completion operations underway at the wells, one of which would open a new south Arkansas field and the other a deeper producing horizon in the Zwolle area of Sabine parish, Louisiana, again claimed top attention in the Ark-La-Tex area developments as the week closed. There were also numerous minor developments during the week to make it a fairly active period.

The Sutton Oil Company drilled plugs and started testing today at Sabine Lumber Company No. 1, Section 23-7-

14, in the Blue Lake area of the Zwolle field, bottomed at 3,853 feet in eight feet of Washita formation, which showed 1,200 feet of oil on a nine-minute drill stem test. Casing was set earlier this week at 3,840 feet. As a result of the showing, leasing has extended westward into Sabine county, Texas. Production in the 10-year-old field has been developed from the chalk section.

In Columbia county, Arkansas, Kerr-Lynn Drilling Company arranged to complete its Barnett No. 1, Section 14-17-20, new Permian lime pool opener five miles east of Magnolia.

New Leasing Stimulated.

The new strike, on a "trend" midway between the Buckner and Schuler fields, both of which produce from the Permian lime, has stimulated new leasing in both north Louisiana and Arkansas.

In Union county, about four miles east of the shallow Urbane field, Federal Petroleum Company and Joe Modisett announced location for a Permian lime test at Frost No. 1, in the northeast quarter of Section 8-18-12 on a 2,000-acre spread of leases.

The Mt. Holly area, also in Union county in township 17, range 13, also continues to receive attention because of its proximity to the Kerr-Lynn well and the Permian lime test being drilled by Standard at Village in Section 15-17-19.

Jackson Parish Wildcat Planned.

In Jackson parish, Louisiana, near Jonesboro, Jim Peyton, et al. made location in Section 36-15-4, for a proposed 7,500-foot wildcat, on an old block of the Mid-Continent and Seaboard Oil companies.

In Morehouse parish, Union Producing Company was renewing leases on its 7,500-acre Bonita block centering around Section 2-21-7 and the company's other Morehouse block centering around Section 11-20-6, was being filled in. In Union parish, the Hunter company of Shreveport was taking a block around Section 31-22-2.

Northwest of Floyd in West Carroll parish, in township 20, range 10, Clyde Turner et al. have taken a 6,000-acre block of commercial leases. In West Carroll, township 19 and 20, range 9, the Sun Oil Company has been taking scattered leases.

New Travis Peak Well Looms.

A sixth oil producer from the Travis Peak zone in the Cotton Valley field, Webster parish, loomed as A. G. Oilphat tested Central Trading Co. No. 1, Section 33-21-10, at 2,905 feet in 22 feet of saturation.

The fourth producer for the recently opened southwest extension area of the Zwolle field, Sabine parish, was completed, Major Oil Company adding Henry No. 1, Section 12-7-13, flowing eight barrels hourly at 2,546 feet in the chalk.

Failing to log porosity in any section of the Glen Rose series, Vaughn Production Company abandoned Riley 1, J. Taylor survey, four-mile outpost well on the Cass county, Texas, side of the Rodessa field at 6,290 feet.

Review of Arkansas Oil Fields

Leasing Pace Recalls Early Days of Boom

Prospectors Around Magnolia Are Hustling for Advantage.

Democrat 3-13-38

Shreveport, La.—North Louisiana the past week felt the influence of the leasing play in the Southeast "trend" from the Buckner and Shuler fields in south Arkansas, where Permian lime oil production has been found, as plans were announced to deepen a Morehouse parish wildcat from 6,517 feet, and several blocks in this "trend" were assembled.

Plans were announced for deepening to 7,500 feet, Hunter and Rowe's (formerly W. J. Furlong) No. 1, E. M. Clarke, section 10-20n-7e, Morehouse parish, which was shut down at 6,517 feet, contract depth, the preceding week in quartz sand that some identified as Permian and others as lower Marine. It is on a secondary high east of the Monroe Uplift.

In Morehouse parish, Union Producing Company (United Gas) assembled two blocks, one around section 2-21n-7e, and the other around section 11-20n-6e. In Union parish, the Hunter Company, Inc., of Shreveport, leased over 700 acres in township 22 north, range 2 west. In West Carroll parish, east of the Shuler-Buckner trend, Sun Oil Company took scattered leases in townships 19 and 20 north, range 9 east, and in the same parish, northwest of Floyd, Clyde Turner believed to be leasing for a major company, assembled a 6,000-acre block.

Another deep wildcat test for north Louisiana is planned. James Peyton of Shreveport has taken acreage formerly held by Mid-Continent Petroleum Company and Seaboard Oil Corporation, and has made tentative location for a proposed deep test in section 36-15n-4w, Jackson parish.

Companies and individuals continue to indicate interest in the flanks of old shallow producing areas. W. C. Feazel leased 70 acres in the vicinity of the old Haynesville field, Claiborne parish, section 22-23n-7w, and on the north side of the shallow Homer field, in the same parish. Shell Petroleum Corporation took over 200 acres in township 21 north, range 7 west. Tidewater Associated Oil Company has been taking additional leases in the old Pine Island field, Caddo parish, in township 21 north, range 15 west.

Logging of lower Marine, productive at Cotton Valley, at a satisfactory level in Magnolia Petroleum Company's No. 1 Frank Sexton, section 32-23n-9w, deep test in the shallow Shongaloo gas field, Webster parish, is expected to stimulate additional activity in that area. This test, with elevation of 225 feet, logged top of lower Marine at 7,605 feet, 400 feet higher than the lowest test productive in Cotton Valley. It is now drilling ahead close to 8,000 feet.

Cotton Valley is expected to add its seventh Travis Peak oil well at A. G. Oliphant's No. 1 Central Trading Co., section 33-21n-10w, that logged 22 feet of saturation in this formation, greatest amount in this zone so far at Cotton Valley, and is waiting on cement to set for final test. There are 25 active operations under way in this field, where gas-distillate production is found in lower Marine below 8,000 feet.

The Lisbon field, Claiborne and Lincoln parishes, added three producers this week and has 19 active drilling operations under way. Two old fields that recently have found new productive noses, and have several active operations under way as a result, are Zwolle parish, and the Dolet Hills end of the old Bull Bayou field, DeSoto parish.

J. G. Sutton Oil Company et al. were scheduled to drill plugs and test No. 1 Sabine Lumber Company, section 23-7n-14w, west Zwolle (Blue Lake) district, Sabine parish, where a drill stem test that showed 1,200 feet of light oil in nine minutes in a new horizon for that field, the Washita. Tester was run from 3,841 to 3,853 feet and seven-inch casing was set one foot above top of saturation.

Old Boom Days Recalled. Days reminiscent of the Smack-over "boom" of 1922 are back again in Arkansas, as a result of the showing for a large producer of Kerr-Lynn Oil Company's No. 1 Barnett, section 14-17s-20w, Columbia county, six miles east of Magnolia, which flowed 37.2 gravity oil for 30 minutes on second running of swab, after casing was perforated in Permian lime, at 7,623-51 feet, before being shut in to await erection of storage. The well still is flowing a little oil through master valve and was expected to be turned into tanks during the present week-end.

This test is about midway on a direct line between Buckner and Shuler, both productive in the Permian lime, and has added fuel to a leasing campaign in south Arkansas unprecedented in over a decade. The area around Stephens, Strong, Weston and Mount Holly have been alive with geophysical parties and lease men, and the "play" has been extended to some extent along a 200-mile southeast-northwest trend as far southeast as Morehouse parish, La., and as far northwest as Hempstead county, Ark.

Location for a new Permian lime wildcat in Union county, near Strong was announced this week by Joe Modisett and Federal Petroleum Company for No. 1 Frost Lumber Company (Union Sawmill Company) in northeast quarter, section 8-18s-12w, on a 2,000-acre block secured after a high there was shot out by Heiland and Kerr-Lynn within two or three weeks. Modisett, one of the most experienced drilling contractors on deep tests in the southwest, will move a rig from either Mississippi or Alabama where he has recently been drilling deep wildcats, setting a new depth record for each of these southeastern states.

Four wells were added this week in the Miller county, Ark., extension of Rodessa, one of them being a quarter-mile extension of that part of the field. It was Gulf Oil Corporation's No. 1 J. W. Hanner, section 16-20s-28, completed flowing 10 barrels per hour through half-inch choke from 6,020 feet.

Standard of Louisiana's No. 1 Bodcaw, section 18-16-22, southwest of the discovery well at Buckner, is checking 35 feet lower than the discovery well and is delayed in reaching Permian lime by a fishing job at 7,226 feet. It is between the discovery oil well and a recently abandoned test three-quarters of a mile southwest which found salt water in the Permian. However, Standard's No. 1 Cross, section 8-16-22, east of the discovery, which is below 7,090 feet, is checking four feet higher than the discovery.

The Shuler field, which has 24 producing wells from lower Marine and Permian lime, did not add a completion last week although one well was preparing to test. Twenty-six active operations are under way in the field.

Five new locations were made last week in Arkansas, three of them in Shuler, Union county, one a wildcat in Union already referred to, and the fifth in Franklin county, northwest Arkansas.

Following out its announcement made recently that it would declare the Jefferson field, Marion county, Tex., as separate from the Rodessa field, the Texas Railroad Commission last week set a separate allowable for Marion county, and for Cass county, the latter thereby being classed with Rodessa.

Due to a gain of 4,975 barrels in the daily average on the Texas side of the field, which rose to 35,510 barrels, daily average production in Rodessa last week rose 4,641 barrels to 85,645 barrels.

The Louisiana side of the field gained 107 barrels to 42,347 barrels, but Arkansas dropped 341 barrels to 7,788 barrels. North Louisiana as a whole dropped in combined daily average 1,225 barrels to 78,790 barrels. Arkansas dropped 840 barrels to 48,950 barrels. Shuler, Ark., averaged 15,525 barrels for the last week as compared to 16,220 barrels the week before.

Shreveport Times Arkansas Permits 3-13-38

El Dorado, Ark., March 12 (Special). Eight permits to drill were issued during the past week by the Arkansas board of conservation, according to records in the office of C. E. Harris, chief agent. The list follows:

J. R. Lockhart, Henry Hearnberger No. 1, 290 feet west, 310 feet north of SEc SE $\frac{1}{4}$ NE $\frac{1}{4}$, section 16-11-13, Calhoun county.

Charles F. Steele, Haynie No. 3, 330 feet south and west of NEc SE $\frac{1}{4}$ NW $\frac{1}{4}$, section 6-14-20, Nevada county.

Lion Oil Refining company, Marine Oil company No. 3, 330 feet east of west line, 330 feet north of south line, SE $\frac{1}{4}$ SW $\frac{1}{4}$, section 17-18-17, Union county.

Ozard Natural Gas company, G. C. Hardin No. 1, 660 feet north and west of SEc SW $\frac{1}{4}$ SE $\frac{1}{4}$, section 11-8N-29W, Franklin county.

Phillips Petroleum company, M. Justiss No. 3, 664 feet from north and south lines, 666 feet from east and west lines, Lot 6, NW $\frac{1}{4}$ section 18-18-17, Union county.

Phillips Petroleum company, T. P. Marks No. 3, 664 feet from north and south lines, 666 feet from east and west lines, Lot 2, SW $\frac{1}{4}$, section 18-18-17, Union county.

Freda Lasse Layton, McKellar No. A-3, 350 feet north, 330 feet east of SWc of fractional section 15-20-28, Miller county.

East Texas Refining company, Thomas No. B-2, 330 feet south and east of NWc SW $\frac{1}{4}$ SE $\frac{1}{4}$, section 12-29-28, Miller county.

Oil News

Cotton Valley Field Reports New Producer

Leasing Furor in South Arkansas Counties

Continues Democrat 3-20-38

Shreveport, La.—Addition of a sixth oil producer from the Travis Peak (Holloway) sand at Cotton Valley, Webster parish, testing of a well in a new horizon in the west Zwolle shallow field, Sabine parish, slight showing of gas in lower Marine below 8,000 feet, in a deep test in the shallow Shongaloo field, Webster parish, and announcement of a 5,700-foot test southeast of the shallow Converse field, Sabine parish, were the highlights of oil development in north Louisiana the past week.

The new Cotton Valley Travis Peak producer is A. G. Oliphant's No. 1 Central Company, Section 33-21n-10w, completed at total depth of 5,905 feet, flowing 26 barrels per hour through half-inch choke. The well logged 22 feet of saturation, the largest saturated section in this horizon so far in the Cotton Valley field. The yield later was reported to have increased before the well was cut back to the 300-barrels-per-day allowable.

J. G. Sutton and associates (Sutton-Zwolle Oil Co.) No. 1 Sabine Lumber Company, Section 23-7n-14w, which had shown 1,200 feet of light oil in a nine-minute drill stem test at 3,853 feet, in the Washita, to indicate a new deeper producing zone for the shallow test Zwolle (Blue Lake) field in Sabine parish, did not behave as expected, and, after flowing and heading intermittently, was given a preliminary treatment of 750 gallons of acid and later will be treated with 3,000 gallons unless it flows from the preliminary "shot." The test had logged 12 feet of saturation.

Despite the failure of the well to flow steadily, it built up pressure sufficient to hurl the swab to top of the crown block just before being shut in prior to acid treatment. A leasing campaign has developed west of this test across the line into Shelby county, Texas, where a wildcat well was completed in the same horizon last summer as a small gas well.

Magnolia Petroleum Company's No. 1 Frank Sexton, Section 32-23n-9w, lower Marine test at Shongaloo, Webster parish, was drilling ahead below 8,340 feet after logging slight gas showing not sufficient to run formation tester, at 8,300 feet in lower Marine, topped at 7,605 feet.

On a block of 1,600 acres assembled by A. C. Scott, southeast of the shallow Converse field, W. L. McClanahan made location near Center, Section 22-9n-13w, Sabine parish, for No. 1 Frost Lumber Company, which will be drilled to 5,700 feet, to seek a horizon that showed gas and oil at 5,300-5,500 feet in a test in Section 8-9n-13w.

Standard Oil Company of Louisiana will start soon on its deep test in the Shuler "trend" in Union parish. Louisiana, tentative location being in Section 13-23n-2w. In the same parish Kerr-Lynn Oil Company and Atlantic Refining Company have geophysical parties working. Hunter & Rowe's (formerly W. J. Furlong Jr.) No. 1 E. M. Clarke, Section 10-20n-7e, Morehouse parish, in the Shuler trend, was drilling back this week at 6,650 feet, possibly in Permian.

Total oil production from the Lisbon, La., field discovered December 25, 1936, was 3,035,804 barrels. Producers on that date totaled 175 with 33 on pump and three showing small amounts of water, less than two percent. They are the first wells reported showing water in that field. To the same date the Travis Peak (Holloway) sand at Cotton Valley, Webster parish, had yielded 341,390 barrels from five wells and the lower Marine (Bodcaw) distillate production aggregated 1,083,566 barrels, from 36 wells.

Leak Admits Salt Water. With Kerr-Lynn Oil Company's No. 1 Barnett, Section 14-17-20, Columbia county, Arkansas, wildcat midway between the Buckner and Shuler fields getting a setback when salt water appeared during bailing, Arkansas's chief interest switched to two tests of Standard of Louisiana, one at Buckner, which indicated it would be the second producer of that Permian lime oil field, and another at Village, Columbia county, a wildcat that showed some oil in a drill stem test in the Travis Peak reds, but is drilling head for the Permian.

Kerr-Lynn's No. 1 Barnett, which had shown for a large producer after five and one-half-inch casing had been perforated with 34 shots from 7,623 feet to 7,651 feet, after this casing had been set at 7,720 feet, 20 feet

off bottom, was reopened after being shut in for separator and storage. When reopened it flowed for several hours and then went dead.

While swabbing to revive it, the salt water appeared, believed to be coming from a leak between the five and a half and seven-inch strings. Tubing with packer was run and the well was to be tested again during the present week-end.

Three-fourths of a mile northwest of the discovery well at Buckner, Standard of Louisiana's No. 1 S. T. Crone, Section 8-16-22, logged saturated Permian lime from 7,264 to 7,272 feet, ran formation tester that showed 600 feet of oil and 60 feet of mud and oil in a 20-minute drill stem test, ran electrical logging device and was preparing to run final casing string of seven-inch. This well caught fire Saturday morning and the rig burned. The Standard's Bodcaw-Barbara, Section 18-16-22, continued fishing at 7,226 feet. No. 1 S. T. Crone checked somewhat lower on top of the Permian line than did the discovery well, No. 1 McKean, which has been producing 500 barrels of oil daily since completion November 23, 1937.

Standard of Louisiana's wildcat test at Village, No. 1 W. P. Phillips, Section 15-17-19, Columbia county, was drilling ahead below 4,930 feet, after showing 105 feet of mud, cut with oil, in a 20-minute drill stem test in Travis Peak red beds at 4,616 to 4,650 feet.

Standard has made locations for two additional tests at Buckner, one in Section 17-16-22, and the other in Section 7-16-22. Standard is unitizing into 40-acre tracts its block at Village.

It is adding to its holdings in Columbia county, buying 163 acres in Section 19-17-19, also east half se sw 24-17-20, and west half ne Section 21-17-20. Standard Pipeline Company is taking connections formerly held by American Liberty Pipeline Company in the Miller county, Ark., part of Rodessa on the A. M. Sutton and Mrs. S. O. Thompson leases.

Ohio Oil Company's torsion balance unit, working in Ashley county, Standard of Louisiana, Shell, Texas is now in Township 19, Range 5. Company and others are leasing actively around a "high" recently shot out around Section 18-18-22, Columbia county. R. E. Wyche Jr. has entered the recent leasing campaign in Township 15, Range 21, conducted by Lion, Root Petroleum and others. Sun Oil Company is leasing in Township 16, Range 21, and Amerada Petroleum Company has a seismic unit in Township 15, Range 22.

In Lafayette county, Shell Petroleum and Standard of Louisiana have shooting units in Township 14, Range 20. Andrew V. Erwin is leasing in Townships 17 and 18, Range 14, Union county, and in the same county northwest of Shuler and south of Mount Holly, Fred Wall leased over 1,000 acres around Sections 13 to 35-17-18. H. L. Hunt has also been leasing in that area. Wall also leased west half nw Section 24-18-17 near Shuler, where Lyons & Neely of Shreveport took 29 acres in Sections 23 and 26-18-17. Grimes Brothers have assembled a block for a deep test around Section 5-18-14, Union county. Only four new locations were made last week in Arkansas, two in the Shuler field, Union county, and two in Miller county's Rodessa offshoot. The latter area added two new wells, and Shuler accounted for one.

The Louisiana Conservation Commission has called a hearing at New Orleans March 22 to hear a discussion from interested persons on a proposal to change the space rule in the Lisbon, La., field from 20 to 40 acres.

Due to increases in Texas and Arkansas, the Rodessa field showed a gain of 1,327 barrels last week to mount to a total daily yield of 86,972 barrels. The Texas side rose from 35,510 barrels to 36,745 barrels, and Arkansas mounted from 7,788 to 8,327 barrels. The Louisiana side dropped from 42,347 barrels to 41,900 barrels.

North Louisiana as a whole dropped 620 barrels to 78,170 barrels, but Arkansas rose 200 barrels to 49,130 barrels. Shuler, Ark., dropped 35 barrels to 15,490 barrels.

Review of Arkansas Oil Fields

Lisbon Gets Six New Wells As Week Ends

Democrat 3-27-38 Arkansas's Daily Production Again Above 50,000 Barrels.

Shreveport, La.—Indications of a second distillate producer in the Travis Peak horizon in the Blanchard gas field, Caddo parish, and mounting activity in the Lisbon and Cotton Valley fields, both of which received augmented allowables for April, featured north Louisiana oil and gas exploration this week.

One mile north of the first Travis Peak gas-distillate to well at Blanchard, A. O. Olson and associates' No. 1 R. T. Sharp, section 10-18n-16w, threatened to blow out while operators were coming out of hole, after perforating casing at 5,998 to 6,002 feet from 6,005 to 6,010 feet, where saturation had been logged. Total depth is 6,061 feet.

Six new wells were added during the week at Lisbon, which was a boost of 1,000 barrels daily in April allowable for a total of 11,000 barrels. The Louisiana Conservation Commission also has under consideration the placing of a 40-acre space rule in effect, superseding the present 20-acre rule. This matter was discussed at a hearing held by the commission at New Orleans, attended by approximately 40 operators and others interested in the Lisbon field.

Two and one-half miles northwest of Lisbon production, C. R. Shuster the past week staked location for No. 1 E. C. Kilgore, section 28-21n-5w, which is about one-half mile south of a test drilled to 5,034 feet several years before oil was discovered at Lisbon on December 25, 1936.

The Travis Peak (Holloway) horizon at Cotton Valley, which has six oil wells at present, with another looming in a well being tested, was given an April allowable of 2,800 barrels. Heretofore, the wells in that horizon of this field have been given a flat 300-barrel per day allowable. Hereafter, production will be given on an acreage-bottom hole pressure basis. The 8,000-foot lower Marine horizon at Cotton Valley, which produces gas and distillate, is classed as a gas area. The looming seventh Travis Peak horizon producer is Magnolia Petroleum Company's No. 1 Crichton, section 32-21n-10w, southeast edge test.

The fourth oil producer for the recently opened 3,100-foot zone in top of lower Cretaceous, in the Sligo field, was added last week when Triangle Drilling Company, which owns all of the producers in this horizon, acidized No. C-2 Skannal, section 13-17n-12w, flowing 50 barrels per hour from total depth of 3,121 feet.

With the co-operation of other companies owning acreage nearby, Magnolia Petroleum Company is deepening from contract depth of 8,500 feet, its No. 1 Sexton, section 32-23n-9w, deep test in the shallow Shongaloo field, Webster parish. It will be deepened to 8,800 feet. Electrical tester was run to 8,520 feet. Showings of gas were logged at 8,290-8,303 feet and at 8,370-74 feet in the lower Marine. However, the Bodcaw lower Marine stratum that produces at Cotton Valley was hard and tight with no saturation.

Fire Causes Delay. With testing of the second looming oil producer at Buckner delayed because of burning of the derrick and loss of some pipe in the hole, Arkansas's chief oil interest switched back to the deep Shuler field, Union county, this week as two additional lower Marine wells were completed to boost the total approximately one-fourth mile southeast.

Meanwhile, Kerr-Lynn Oil Company was pulling five and one-half inch casing, set at 7,720 feet, to recement this string after No. 1 Barnett, section 14-17-20, Columbia county wildcat, again showed water when swabbing was resumed after recementing five and one-half inch casing a leak was blamed for the water, as the section perforated at 7,623-51 feet is well above the water level.

The extension lower Marine well at Shuler was Phillips Petroleum Company's No. 1 Marine NW NE section 20-18-17, which was completed after perforating at 7,258-35 feet, and came in flowing 639 barrels in 13 hours through 24-64 inch tubing chokq, and then was choked down to the 700 barrels per day allowable. This test had shown salt water in the Permian lime. Total depth is 7,640 feet. Offset locations for four tests have been made to this well. The other producer was Marine Oil Company's No. 4 Fee, SW SW section 17-18-17, completed at total depth of 7,590 feet. There are 25 active op-

erations at Shuler at present.

The Arkansas Board of Conservation has reduced the per well allowable for the lower Marine at Shuler to 650 barrels per well from the March allowable. The board also has ordered a series of bottom hole pressure tests on 10 key wells at Shuler to determine pressure decline in that horizon.

C. E. Murdock of El Dorado has assembled a block of leases around section 31-13-13 near Hampton, Calhoun county, for a proposed Permian lime test to start by next May 1. R. G. Lawton, believed to be representing McAlester Fuel Company, has assembled a block around section 10-18-22, Columbia county, for a proposed 9,000 foot test. Fosh Oil Company reported to have acquired an interest in Andrew V. Erwin's block, near Doddridge, but in Lafayette county in township 18, range 26 is preparing to detail the area.

In Union county, Standard of Louisiana has completed a seismograph survey of Root Petroleum Company's block around section 30-18-14. In the same township and range Kerr-Lynn Oil Company has a seismic unit at work. In township 18, range 15, Tidewater Associated Oil Company has a shooting unit, near Catesville. Magnolia Petroleum Company has a seismograph unit working in township 19, range 17, south of Shuler.

Possible extension of the producing limits of the Jefferson district, Marion county, Texas, offshoot of Rodessa, two and one-half miles southwest and opening of the Hill horizon as a possible productive zone loomed this week after Arkansas Fuel Oil Company's No. 1 Pitts, George Lockhart's survey, showed considerable gas and distillate in a five-minute drill stem test from 5,930 to 5,951 feet, and was coring ahead for the Henderson and Gloyd. The Hill is the highest of the producing horizons in Rodessa proper, and has hitherto not been found productive in Marion county. This operation which had checked 72 feet low on anhydrite markers, may now open this upper zone as productive down the flanks of the Jefferson structure, it appears.

Rodessa's daily average production for the last week was 86,047 barrels, divided among the three states as follows: Arkansas, 8,209 barrels; Louisiana, 40,773 barrels, and Texas, 37,065 barrels.

North Louisiana's average last week was 77,120 barrels, including its part of Rodessa, and Arkansas's average was 52,020 barrels, including its part of Rodessa, and 18,490 barrels from the Shuler field, Union county.

Review of Arkansas Oil Fields

Production in Lisbon Field Is Boosted

Columbia County in Spotlight—Shuler Yield 21,000 Barrels. Gazette 4-3-38

Shreveport, La.—Developments in the Lisbon field, Claiborne and Lincoln parishes, featured oil activity the past week in the north Louisiana territory.

Raising the spacing rule there from 20 to 40 acres per well, with a boost of a thousand barrels to 11,000 barrels per day in allowable for April, has given new impetus to activity there where production is found in basal Glen Rose lime from 5,150 to 5,350 feet.

During the last week in that field production limits were extended one mile to the southwest by successful completion, without acid, of W. H. North and Associates No. 1 Patton, section 11-20n-5w, flowing 20 barrels of oil per hour from 15 feet of saturation. The well was flowing that amount through 14-64-inch tubing choke. Total depth is 5,342 feet. It will require several immediate offset locations, some of which have already been made in sections 11 and 12-20n-5w.

One and one-half miles southeast of production limits in Lincoln parish, Lyons and Neely were moving in rig for No. 1 Fred Brazzell, section 17-20n-4w. C. R. Schuster continued rigging for a northwest outpost in section 28-21n-5w.

Meanwhile rumors were prevalent but not verified that a second major company planned a pipeline to the field, now served with two pipelines, one owned by Gulf Pipeline Company and other by a subsidiary

of Grogan Oil Company, a large independent.

Plans were under way to deepen 1,000 feet the abandoned hole of Kirk-Greenway's No. 1 Whitney corporation, section 8-9n-13w, drilled to 8,510 feet several months ago in the shallow Converse field, Sabine parish. Southeast of production in this field, W. L. McClanahan recently staked location in section 22-9n-13w, for a 5,700-foot test and is moving in materials.

S. S. Alexander of Dallas, Tex., is arranging to set five-inch casing in No. 1 Stell, NE NE, section 5-12n-16w, wildcat in DeSoto parish, abandoned two years ago at total depth of 6,002 feet. Alexander recently moved in machinery to re-work this test, ran electrical testing device to 5,400 feet, and plans to set five-inch and perforate in the Glen Rose where some oil and salt water has been originating. Outside the surface casing and believed to be from shallow depth, the hole has been making considerable oil free of water during work-over operations.

E. T. Oakes, discoverer of the Lisbon field, plans to re-acidize No. 1 Griggs, SW, section 36-18n-1w, Lincoln parish wildcat, previously acidized twice when it failed to show anything except a slight gas show, despite logging of nine feet of good porosity in basal Glen Rose lime at 5,932 to 5,941 feet.

A. O. Olson, Oklahoma operator, apparently had completed a small gas-distillate well, which also made slugs of oil, in the Travis peak, in the Blanchard gas field, Caddo parish, 12 miles northwest of Shreveport. This field has accounted for two small gas-distillate wells in the Glen Rose and previously for several years has produced gas from the shallow Nacatoch horizon. Present well was shut in after flowing estimated 100 barrels of distillate with occasional slugs of oil, along with about three million feet of gas daily following perforation of casing at the 6,000-foot level.

Howard M. Jones of Shreveport, who is assembling a 10,000-acre block in Catahoula parish around section 1-10n-8e, on a ten-year commercial basis, is believed getting the block for Continental Oil Company which has been shooting this area recently.

In Concordia parish near Monterey, Dale and Wilson of Vidalia have assembled 15,000 acres for a proposed 6,000-foot test. In Madison parish, Gulf Refining Company has a gravimeter unit working out of Tallulah.

Some months ago C. H. Murphy and others of El Dorado, took geophysical option on 20,000 acres of land around section 40-3n-1e, Rapides parish, but is not exercising the option as it expires. Press of duties in connection with developments in south Arkansas perhaps is prompting the allowing of this option to lapse by these Arkansas operators.

In the Cotton Valley field, Webster parish, which added its seventh Travis Peak (Holloway sand) well the last week, H. L. Hunt is adding to his holdings, having leased 120 acres for \$2,400 in sections 16 and 21, 21n-9w, east of production. Magnolia Petroleum Company was drilling below 8,740 feet in No. 1 Seton, section 32-23n-9w, deep test at Shongaloo, Webster parish, and probably will abandon around 8,800 feet.

Arkansas Fields Extended.
Re-completion of a wildcat test in Columbia county, midway between the Buckner and Shuler fields, and extensions of both these fields, featured development last week in Arkansas.

Kerr-Lynn Oil Company's No. 1 Barnett, section 14-17-20, near Magnolia, Columbia county, which had given indications several weeks ago of being a large oil well in the Permian lime, only to have salt water appear due to a leaking casing, appeared to have been successfully brought in again, after five-inch casing was re-run. The well last week was flowing 22 barrels of clean oil per hour, free of water through choke in drill stem, from total depth of 7,740 feet, in Permian lime, following re-perforating around 7,650 feet. Late Thursday operators were arranging to kill the well and run tubing with packer. The well flowed over 24 hours through the drill stem chokes.

Extending production a quarter-mile northward, Alice Sidney Oil Company's No. 1 Powledge, section 7-18-17, was completed at total depth of 7,729 feet as the largest lower Marine (Jones sand) well at Shuler, Union county, being completed for 120 barrels per hour through choke. Jones sand was logged from 7,577 to 7,630 feet. It was the twenty-fifth producer from this horizon at Shuler. Two other wells were completed in that horizon there during the week.

Standard of Louisiana had completed No. 1 S. T. Greene, section 8-16-22, one-half mile northeast of the discovery well at Buckner, Columbia county, at total depth of 7,272 feet in eight feet of Permian lime, but it had not been gauged.

However, one-half mile southwest of the discovery well the same company's No. 1 Bodcaw-Barbara, section 18-16-22, was abandoned as a salt water hole at 7,444 feet, after logging Permian lime low at 7,291 feet. It was between the discovery well and a recent abandonment far-

ther southwest in the same section but across the line in Lafayette county. Apparently the discovery well was on the southwest flank of the structure or it will be very restricted in size.

North of the two Buckner producers, F. L. McClanahan of Tyler, Tex., paid \$16,000 cash for se w section 4-16-22. A great deal of leasing continues in township 18, range 14, Union county. In the northeast part of this township and range Andrew V. Erwin is leasing, as well as in township 17, range 14. Grimes Brothers are planning an early test on a block they have in northwest part of township 18, range 14. Root Petroleum Company has a block in the southwest part of this township and range, on the east flank of which Gulf Refining Company has been taking some protective acreage, and around which Standard of Louisiana has been shooting.

Scattered buyers are at work in the southeast part of this township and range. Kerr-Lynn Oil Company's shooting unit is west of the village of Lawson and Fohs Oil Company is checking its holdings in township 19, range 13, with seismograph.

In Bradley county just west of Moro Bay, Amerada Petroleum Corporation is making a seismic survey southeast to the state line along the Ouachita river. Another geophysical unit, antecedents unknown, is working the same area.

Gulf Refining Company has been leasing actively recently north of McNeil in Columbia county, in an area where several other companies were active recently. Southeast of Magnolia, in township 18, ranges 19 and 20, Sun Oil Company has been buying recently.

Easton, May and Murdock are side-tracking below 2,650 feet in No. 1 LaGrone, section 5-12-26, Hempstead county, near McNab. Joe Modisett is preparing to move in immediately for his deep test, No. 1 Frost Lumber Co., ne ne section 8-18-12, near Strong.

The Jefferson area in Marion county, at the southwest end of the Rodessa fault, continues to be the most active part of the Rodessa district, or in fact of an East Texas county bordering the Louisiana line. Three wells were completed there last week and indications given that the Hill, upper gas stratum at Rodessa, may yield gas or even oil. This indication was given in Arkansas Fuel Oil Company's No. 1 Pitts, Lockart Survey, two and one-half miles southwest of Jefferson production. This test also showed gas, oil and salt water in a drill stem test in the Gloyd, and is now drilling ahead below 6,310 feet.

Daily average production last week in the Rodessa field was 86,709 barrels, divided among the three states as follows: Arkansas, 7,774 barrels; Louisiana, 41,655 barrels, and Texas, 37,280 barrels. Daily average production for all of north Louisiana, including its part of Rodessa, was 80,265 barrels. Arkansas's average was 54,400 barrels, including 21,005 barrels from Shuler.

Review of Arkansas Oil Fields Shuler Trend Still Getting "Heavy Play" Democrat 4-10-38 Much Activity Along Both Sides Arkansas-Louisiana Line.

Shreveport, La.—Passing of the 10,000-foot mark in north Louisiana's third operation of this depth in its history, continued increase in drilling activity in the Lisbon and Cotton Valley fields, showing of oil in a DeSoto parish wildcat, location for a 6,000-foot wildcat, and deepening of a 7,000-foot wildcat 500 feet more on the southeast end of the southeast Shuler "trend" featured activity in this territory the past week.

Union Producing Company (United Gas) and associates' No. 2 Brownfield, section 5-19n-5w, in the Sugar Creek district, Claiborne parish, was the third test ever drilled in north Louisiana to go below 10,000 feet. It was drilling at 10,128 feet Thursday. The other two holes to go below 10,000 feet are R. W. Norton's No. 1 Payne, section 23-23n-16w, south of the Rodessa fault that went to 10,486 feet, and Gulf Refining Company's No. 15 Rhymes, section 22-17n-6e, Richland parish that passed the 10,000-foot mark by 12 inches. Lisbon accounted for seven new locations last week as rumors of a contemplated deep test for that field, now producing from basal Glen

Rose at 5,100-5,400-feet continued. Three producers were added there last week.

Cotton alley added one lower Marine gas-distillate producer below 8,000 feet and secured three new locations. Leasing continues fairly active around the outskirts of this area which also has seven wells producing oil from the Travis Peak at the 5,800-foot horizon.

The Hunter Company of Shreveport staked location for No. 1 Mrs. F. E. Parker, section 26-12n-16w, that will go to the Travis Peak, found there around 6,000 feet. In section 5-12n-16w, S. S. Alexander was preparing to perforate at the Glen Rose level in No. 1 Stell, in which he recently set 1,200 feet of five-inch casing inside seven-inch casing cemented at 4,443 feet. Electrical logging device showed some interesting levels in the Glen Rose and the well, a workover, has been making some oil for several months, following abandonment in 1936 at 6,002 feet.

Magnolia Petroleum Company is running seven-inch casing to bottom at 8,991 feet, in No. 1 Frank Sexton, section 32-23n-9w, deep test in the shallow Shongaloo field, Webster parish. Casing will be perforated to test gas showings at 8,300 and 8,882 feet.

The Julian-Igoe Syndicate of Shreveport was awarded a contract by the state last week on 500 acres of wildcat DeSoto parish near Logansport and in Madison parish Singer Manufacturing Company of Trumann, Ark., secured a 420-acre lease. The latter company has a large block in Madison parish and the Julian-Igoe Syndicate has a block in DeSoto parish.

A. O. Olson and associates' No. 1 Sharpe, section 10-18n-16w, Travis Peak well in the shallow Blanchard gas field, Caddo parish, proved disappointing last week when tested again, showing 38 barrels of 53 gravity oil, six barrels of salt water and three million feet of gas daily, through quarter-inch choke from 5,994-6,002 feet, where casing was perforated in Travis Peak. Total depth is 6,061 feet. Olson, with whom Haynes Brothers, pioneers in the Rodessa field, are associated, has a block of 800 acres around this well and is obligated to start another test within 30 days.

Developments in Columbia.
Immediate drilling of several tests in the new Kerr-Lynn area of Columbia county, Ark., near Magnolia due to successful completion of Kerr-Lynn Oil Company's No. 1 Barnett, section 14-17-20, as an oil producer of 300 to 900 barrels daily, is imminent, due to the fact that most leases taken following the showing of oil in this test are short-term leases. Total depth of this well is 7,740 feet, but production is from Permian lime around 7,650 feet.

The fact that this well is about mid-way between the Buckner and Shuler fields, both of which produce from Permian lime, has made it the "key test" in the center of the "play" in the 200-mile northwest-southeast "trend".

Standard Oil Company of Louisiana successfully completed its second Permian lime oil well at Buckner in No. 2 S. T. Crone, section 8-16-22, Columbia county, although acid treatment was used to spur up production. Total depth is 7,272 feet and it is one-half mile northeast of the discovery well in the same section. Two tests southwest of the discovery well were salt water holes. Standard's No. 2 S. T. Crone gauged 58 barrels per hour through quarter-inch choke, after 5,000 gallons of acid were used.

In the area of the Kerr-Lynn well M. M. Baker of Homer, La., paid \$200 base for minerals in section 22-17-20, and L. A. Grelling of Tyler, Tex., bought a fourth of the mineral rights on east half NE, section 13-17-20, for \$5,000 or at the rate of \$250 base.

Clarence Taubel et al of Shreveport leased 78 acres in SE, SW, section 33-16-19, north of Village, Columbia county, for \$1,560. Seven miles southwest of Village, Sun Oil Company took some leases in sections 6 and 7-18-19. Tidewater Associated continues to buy scattered acreage around the east central part of township 18, range 20, Columbia county, near Emerson. North of Waldo, in section 25-15-21, Mid-Continent Petroleum Company leased 57 acres additional and north of McNeil, in section 30-15-20, Gulf bought 80 acres.

H. M. Moss of Monroe, La., has secured 2,000 acres around section 21-16-20, for a proposed 9,000-foot test. Shell Petroleum Corporation has a seismograph unit working between Stephens and McNeil.

Prices have trebled in the last seven weeks in township 19, range 15, Union county, near Catesville, rising as high as \$10 per acre, due to consistent buying. Atlantic Refining Company continues actively leasing south of Mt. Holly. Magnolia Petroleum continues shooting in township 19, range 17, south of Shuler, and Phillips Petroleum Company is shooting in township 19, range 16, south of Wesson. Ohio Oil Company is shooting in township 16, range 16, southwest of Smackover; Tidewater Associated, in township 17, range 15, near El Dorado, and Standard of Louisiana, northeast of Catesville in township 18, range 15. Kerr-Lynn Oil Company is still keeping its seismo-

graph unit southwest of Strong in township 19, range 13. Amerada continues shooting near Moro Bay, Bradley county, in township 17, range 10.

The Arkansas Board of Conservation has called a hearing at El Dorado, April 20, to determine if there is any waste of oil or gas in the state and also to gather data on the Permian lime (Reynolds lime) at Shuler, the pro-ratio of dry gas in the Miller county extension of Rodessa, and discuss basic rules.

OIL NEWS 30th Jones Sand Well Awaited

Special to the Gazette. 4-10-38

El Dorado, April 9.—Two new Jones sand producers were added to the Shuler field this week and two more are expected to be completed next week.

The latest producers, both in Section 18-18-17, are the Miller No. 1 test of the Marine Oil Company and the Morgan C-2 test of the Lion Oil Refining Company. Their completion brought to 29 the number of producing wells in the Jones sand. There are also 11 Morgan sand wells and two in the Reynolds lime, making 42 producing wells in the Shuler area.

First completion was the Miller No. 1 Monday, while the Morgan C-2 was completed early yesterday.

The Lion company is waiting on cement for final testing of one well and is coring and drilling in the Jones sand in another test, both in Section 18-18-17. Casing was set at 7,615 feet on the Morgan A-4 of the Lion company after the Jones sand was cored from 7,504 to 7,576 feet. The test is in the northwest corner of Lot 1 in the southwest quarter of the section. Top of the Jones sand formation was cored at 7,511 feet in the Morgan A-5 of the Lion company in the northeast corner of Lot 7 in the southwest quarter of Section 18-18-17, and operators are drilling and coring in the formation below 7,560 feet. It is expected that both the Morgan A-4 and A-5 tests will be completed next week.

17 Others Being Drilled.
Drilling is under way on 17 other tests and nine others are expected to start operations soon, making 26 locations.

The Lion company is drilling on four tests and is preparing to start operations on three others. The Mayfield No. 1 in Section 18-18-17 is drilling below 7,150 feet; the Marine No. 3 in Section 17-18-17, below 4,457 feet; the Edna No. 1 in Section 18-18-17, below 2,050 feet, and the Marcus No. 1, below surface casing in Section 18-18-17. Derrick is being erected for the Morgan B-6 test in Section 18-18-17 and the locations have been made for two more tests in the same section. They are the Edna No. 2 in the northwest corner of the northeast quarter of the northeast quarter of the section and the Mayfield No. 2 test in the southwest corner of Lot 2 in the northwest quarter of Section 18-18-17.

The Phillips Petroleum Company is drilling on six tests and is moving in rig on another. The Justiss No. 4 test in Section 18-18-17 is drilling below 7,075 feet; the Marine No. 2 in Section 20-18-17, below 6,662 feet; the Justiss No. 3 in Section 18-18-17, below 4,255 feet; the Marine No. 3 in Section 20-18-17, below 3,060 feet; the Marine No. 4 in Section 20-18-17, below 2,231 feet; the Marine No. 5 in Section 20-18-17, below surface casing and derrick is being erected for the T. P. Marks No. 3 test in Section 18-18-17.

Jones, Murphy & Hurley are drilling ahead on two tests and have made locations for two others. The Marine No. 3 test in Section 17-18-17 is drilling below 6,195 feet and the Murphy Land Company A-2 in Section 19-18-17, below 4,646 feet. Permits have been issued for the C. H. Murphy Land Company A-3 in Section 19-18-17, but operations have not been started.

The Marine Oil Company is drilling below 2,000 feet on the Fee No. 5 test in Section 17-18-17 and below 1,000 feet on the Fee No. 5 test in the same section. The Alice Sidney Co. is drilling below 2,000 feet on the Powledge No. 2 test in Section 7-18-17 and below surface casing on the Powledge test in the same section.

Three Other Tests Due Soon.
Permits have been issued for three other tests, but operations have not been started. They are the Kate Powledge No. 1 test of L. H. Simpson in Section 8-18-17; the B. F. Justiss No. 1 test of N. F. Wilson in Section 18-18-17 and the C. D. Justiss No. 1 test of R. T. Adams in Section 7-18-17.

Powledge No. 1 Being Watched.
The test expected to be the center of interest in the next week or 10 days is

the Powledge No. 1 of the Texas-Canadian Oil Company in Section 21-18-17, which is nearing the coring stage. The well is the first test drilled in Section 21-18-17 and is the farthest southeast test in the Shuler area. The test is 330 feet south and 330 feet west of the northeast corner of the northwest quarter of the section and is drilling below 7,200 feet. Coring for the Jones sand is expected to be started next week. Showing of the well will determine whether the Jones sand extends to the southeast. If the well is completed as a producer, it will result in considerable additional drilling in the section.

There has not been a test in the entire Shuler area that failed to make a producer in the Jones sand, believed to be a record. Only three tests that failed to make producers in the Morgan sand have not been deepened to the Jones formation and it is understood that their deepening is contemplated. The tests are the Gallagher No. 1 in the northeast corner of Lot 4 in the northwest quarter of Section 19-18-17; the Murphy Land Company B-1 in the center of the south half of the west half of the southeast quarter of the northeast quarter of Section 13-18-18, and the C. H. Murphy No. 1 in northwest corner of Lot 6 in the northwest quarter of Section 19-18-17, all belonging to Jones, Murphy & Hurley.

13 Permits Issued.
Six permits to drill new tests, six to plug back and perforate have been issued by the state Conservation Department.

The Phillips Petroleum Company obtained permits for the Marine No. 4 test, 330 feet south and 1,650 feet east of the northwest corner of Section 20-18-17 and the Marine No. 5 test, 330 feet south and 990 feet east of the northwest corner of Section 20-18-17, both in Union county.

The Standard Oil Company of Louisiana obtained permit for the J. Waters et al. No. 1 test, 660 feet north and 660 feet west of the southeast corner of the southeast quarter of the southeast quarter of Section 7-16-22 in Columbia county.

The Alice Sidney Oil Company obtained permits for the Powledge No. 2 test, 330 feet south and 330 feet east of the northwest corner of the southwest quarter of the southeast quarter of Section 7-18-17 and the Powledge No. 3 test, 330 feet north and 330 feet east of the southwest corner of the southeast quarter of the southeast quarter of Section 7-18-17, both in Union county.

Isadore Roosth obtained permit to drill the W. W. Capps No. 1 test, 330 feet north and 672 feet west of the southeast corner of the north half of the southwest quarter of the northeast quarter of Section 10-20-28 in Miller county.

OIL NEWS Continued Expansion Of Oil Area Seen

Special to the Gazette. 4-17-38

El Dorado, April 15.—Two new producers were completed in the Jones sand of the Shuler field west of El Dorado and a wildcat test in Columbia county at Village near the Union county line made a good show of oil in a drill stem test to feature oil activities in south Arkansas this week.

New producers are being completed in the Jones sand with regularity, with none showing up as dry holes. Approximately 25 operations are under way in the field, including several outpost tests to the northwest and southeast, expected to extend production in those directions.

Showing of oil in the Columbia county wildcat test, on a northwest-southeast line between Shuler and the new producing area at Magnolia and the Buckner area of Columbia and Lafayette counties increased belief in El Dorado and south Arkansas that the entire area from Shuler through Village and Magnolia to Buckner may prove productive.

The favorable showings in wells drilled between the two extremes are expected to result in extensive additional drilling operations between the two points. Considerable lease play also is being shown extending southwest and northeast from the "line" and southeast from Shuler toward Junction City and as far east in Union county as Strong. Active lease trading also is reported north of Shuler in the vicinity of Mt. Holly, though no drilling plans have been announced.

A wildcat test in Bradley county being drilled by the Phillips Petroleum Company also is coming in for its share of attention and is expected to take the spotlight when it nears prospective production zones. It is the Marsden No. 1 test in Section 9-16-11, drilling

below 1,500 feet. Intermediate casing was set last week at 1,223 feet with 10 and three-quarter inch pipe being used.

Completions in the Shuler field this week were the Morgan A-4 and the Morgan A-5 tests of the Lion Oil Refining Company, both in Section 18-18-17.

First completion was the Morgan A-4 test in the northwest corner of lot one in the southwest quarter of the section. The test encountered the Jones sand from 7,504 to 7,576 feet and casing was set at 7,615 feet. Casing was perforated from 7,530 to 7,562 feet with 129 shots. The second was the Morgan A-5 test in the northeast corner of lot seven in the southwest quarter of Section 18-18-17. The Jones sand was encountered in the test from 7,511 to 7,576 feet.

Two More Due This Week.
Two more Jones sand completions are expected this week, one by the Lion company and the other by the Phillips Petroleum company.

The Lion test is the Mayfield No. 1, in the southeast corner of lot three in the northwest quarter of Section 18-18-17, the farthest northwest test in the field. Its completion for a producer would extend the field a quarter of a mile to the northwest. The test encountered the Jones sand at 7,520 feet and was still coring in the formation at 7,582 feet, indicating more than 70 feet of heavily saturated sand. Casing is expected to be set on the test early next week, unless operators decide to core to the Reynolds lime formation.

The Phillips test is the Justiss No. 4, in the northwest corner of lot six in the northwest quarter of Section 18-18-17. The Jones sand was encountered at 7,512 feet and operators were still coring in the oil formation below 7,577 feet.

23 Other Tests Planned.
Twenty-three other tests in the area are being drilled or being rigged up for operations.

The Lion Oil Refining Company is drilling on six tests and is waiting on rigs to start operations on another test. The Marine No. 3 in Section 17-18-17 is drilling below 5,704 feet; the Edna No. 1 in Section 18-18-17, below 3,673 feet; the Marcus No. 1 in Section 18-18-17, below 2,275 feet; the Edna No. 2 in Section 18-18-17, below 1,760 feet; the Morgan B-6 in Section 18-18-17 has started drilling; the Mayfield No. 2 in Section 18-18-17 is drilling below surface casing and the Mayfield No. 3 in Section 18-18-17 is waiting on rig to start drilling operations.

The Phillips Petroleum Company is drilling on six tests. The Marine No. 2 in Section 20-18-17 is drilling below 7,489 feet; the Justiss No. 3 in Section 18-18-17, below 5,695 feet; the Marine No. 3 in Section 20-18-17, below 4,763 feet; the Marine No. 4 in Section 20-18-17, below 3,586 feet; the Marine No. 5 in Section 20-18-17, below 2,306 feet and the Marks No. 3 in Section 18-18-17, below surface casing.

Jones, Murphy and Hurley are drilling on two tests and are preparing to start two others. The Marine No. 3 test in Section 17-18-17 is drilling below 6,952 feet and the Murphy Land Company A-2 in Section 19-18-17, below 2,276 feet. Preparations to start drilling are being made on the C. H. Murphy No. 2 in Section 19-18-17 and the Murphy Land Company A-3 in Section 19-18-17.

The Alice Sidney Company is drilling below 3,451 feet on its Powledge No. 2 in Section 7-18-17 and below 2,276 feet on its Powledge No. 3 in the same section.

The Marine Oil Company is drilling below 3,820 feet on its Fee No. 5 in Section 17-18-17 and below 2,347 feet on its Fee No. 6 test in the same section.

In addition to the Jones sand wells there are 11 producers in the Morgan sands and two in the Reynolds lime which give the field a total daily production of approximately 20,000 barrels.

There are no production regulations for the Morgan sands and the Arkansas state Board of Conservation has set Wednesday as the date for a special session to consider rules and regulations for drilling and producing from the Reynolds lime. The board also will consider the proration of dry natural gas produced in the South Miller county field and the adoption of basic field rules.

Five Drill Tests Issued.
Five permits to drill new tests, five to plug and abandon oil tests, three to plug back and perforate and two changes of location were issued by the Arkansas state Conservation Department.

The Lion Oil Refining Company obtained permits for the Mayfield No. 2 test 330 feet north and 330 feet east of the southwest corner of lot two in the northwest quarter of Section 18-18-17 and the Edna No. 2 test 330 feet

south and 330 feet east of the northwest corner of the northeast quarter of the northeast quarter of Section 18-18-17, both in Union county.

The Standard Oil Company of Louisiana obtained permit for the S. T. Crone No. 2 test 660 feet east and 560 feet south of the northwest corner of the southeast quarter of the southwest

this company's geophysical crews having located both Snow Hill and Shuler. Ohio Oil Company is shooting in township 17, range 16, southwest of the village of Griffin.

Magnolia Petroleum Company has a seismograph unit working near Shuler, Union county, in township 19, range 18, and Tidewater Associated Oil Company is checking its holdings in township 18, range 16, with seismograph.

Daily average production last week in Arkansas aggregated 54,520 barrels, of which 21,260 barrels was from Shuler.

North Louisiana averaged 76,715 barrels.

Review of Arkansas Oil Fields Take of Oil Is Curtailed By Pipe Lines

Rodessa Field Now Affected—Root to Handle

Shuler Crude Democrat 5-8-38

Shreveport, La.—Rodessa the past week joined the list of fields affected by a reduction of pipeline outlets when Gulf Pipeline Company announced an approximate reduction of 25 per cent of its purchases in that field. However, the Marion County, Texas (Jefferson) end of the field was the hardest hit, as Gulf has the only pipeline to that area, the most active part of the three-state area.

For the first time since discovery of oil at Rodessa in July, 1935, the Louisiana side of Rodessa is without an active drilling operation, completion of two wells in the northern end of the field having been the last active operation on the Louisiana side.

The southeast limits of the Pettit (basal Glen Rose) lime producing horizon at Lisbon, which has 210 wells, apparently were defined last week when Lyons and Neely's No. 1 F. Brazill, NW SE Section 17-20N-4W, Lincoln parish, failed to pick up any saturation in the Pettit. However, the test logged three feet of good porosity and restivity in top of the Travis peak, just below 5,400 feet, and may, be drilled deeper into this formation from present total depth of 5,485 feet.

A northwest edge well in Section 3-20N-5W, which went to 5,800 feet, had some showing in the Travis peak before it was plugged back and completed as a 70-barrel pumper. The Travis peak in that operation was not tested.

Lisbon had over 25 active operations, despite the reduction of its May allowable from 11,000 barrels daily to 8,000 barrels and the recent reduction of 25 per cent in purchases by its main pipeline outlet that has over 163 of the field's connections.

Cotton Valley, Webster Parish, with 30 active operations, the most active north Louisiana area, added its eleventh Travis peak (Holloway sand) well last week and added two lower Marine gas-distillate producers to bring the total there in that horizon to 41. One of the last week's lower Marine (Bodcaw) sand wells extended production slightly to the east.

Three new locations were announced in Cotton Valley and three in Lisbon during the week. There was also a wildcat workover. The latter is Raines Brothers' No. 1 Allen plantation, Section 22-9N-10W, Natchitoches parish, which was abandoned several months ago at 220 feet and is now rigging up to deepen.

Status of other deep tests in north Louisiana included: Joe Modisset and Standard of Louisiana's No. 1 Frost Lumber Co., Section 14-21N-1E, Union parish, drilling at 9,238 feet just below pink anhydrite logged at 9,060 feet. It is expected to pick up Permian lime momentarily.

One of the week's new producers at Lisbon, Magnolia Petroleum Company's No. 3 Pollock, Section 5-20N-4W, Lincoln parish, extended production one-half mile east, being completed for 233 barrels in 16 hours at 5,322 feet, after using 3,000 gallons of acid.

The most drastic curtailment of production ever placed in effect in Arkansas was made in the Jones sand (lower Marine) horizon at Shuler, Union county, on May 1, when the Arkansas Board of Conservation cut the allowable from 550 barrels per well to an average of 200 barrels per well for the ensuing month.

The curtailment coincided with Lion Oil Refining Company's placing in effect its withdrawal as a purchaser of Jones sand oil at Shuler except from its own wells and

those in which it owns an interest. That left Root Petroleum Company as the only purchaser. It is connecting to all Jones sand wells in the field and will take 150 barrels daily per well.

A drop in bottom hole pressure in the Jones sand, from 3,410 pounds on January 1 to 3,154 pounds April 26, prompted the sharp curtailment in withdrawal. Up to April 26 a total of 433,704 barrels had been withdrawn from this horizon.

Purchase of the 600 acres and the discovery well at Magnolia, Columbia county, Arkansas, from Kerr-Lynn Oil Company by Atlantic Refining Company, was also a feature of the week in Arkansas oil circles. Kerr-Lynn completed No. 1 Barnett, Section 14-17-20, at total depth of 7,740 feet, in the Permian lime, after perforating at 7,650 feet, and despite leaking casing completed the well for over 300 barrels daily. It had sold of all but 600 acres of its original block. However, it owns considerable royalty. The price paid was \$200,000 cash and \$40,000 per 40 acres out of production.

A third oil producer for the Buckner Permian lime oil field in Columbia county appeared certain Thursday as Standard of Louisiana's No. 1 Waters, SE SE, Section 7-16-22, cored into the saturated lime and prepared to run final casing at total depth of 7,242 feet. It is a west offset to the discovery well.

At Village, in the same county, Standard's No. 1 W. P. Phillips, Section 15-17-19, cored at 7,371 feet, with indications from specks in the core that it might be about to log a saturated section.

Columbia Gas and Fuel Company has abandoned a Desha county wildcat, No. 1 Victoria Cross, Section 34-8S-3W, as dry at 4,915 feet. It had been planned as a 6,000-foot test.

OIL NEWS Shuler Shares Spotlight With Columbia Field

Special to the Gazette.

El Dorado, May 7.—The Shuler field west of El Dorado, the center of attention most of this year, this week shared the spotlight with Columbia county, where two tests are reported coring oil saturation in the lime.

For the first time in more than three years no drilling permits were issued the past week by the Arkansas state Board of Conservation and only one new location was announced in the Shuler area. However, the new location is one that would extend production in the Jones sand three-eighths of a mile to the east of present production and would be the first producer in Section 16-18-17. It is the Rodgers No. 1 test of Jones, Murphy and Hurley, 330 feet north and 330 feet east of the southwest corner of the southwest quarter of the southwest quarter of the section.

A Texas Canadian test marks a southeast extension to the field and is the first completed in Section 21-18-17 and the only test in that section. It is in the northeast corner of the northwest quarter of the northwest quarter of the section.

Another Jones sand producer is expected to be completed soon by the Lion Oil Refining Company on its Marine No. 3 test in Section 17-18-17, on which casing was set this week at 7,614 feet after the Jones sand was cored from 7,518 to 7,577 feet. The test is in the southwest corner of the southeast quarter of the southwest quarter of the section.

Third Lime Producer Due In.

Completion of the third producer in the Reynolds lime formation is expected next week by the Phillips Petroleum Company on its Justiss No. 3 test in the center of lot six in the southwest quarter of Section 18-18-17. Without coring the Jones sand formation, the test was drilled to the lime, and oil saturated formation was cored from 7,604 to 7,671 feet and operators drilled and cored ahead below 7,700 feet. It is expected that casing will be set for final testing this week-end.

The Phillips Company also is drilling ahead on the T. P. Marks No. 3 test in the center of lot two in the southwest quarter of Section 18-18-17, a test to the Reynolds lime. It is below 6,800 feet.

Fourteen other tests in the Shuler field are drilling at various depths and locations have been made for six others.

The Lion Company is drilling ahead on six tests, the Edna No. 1 in Section 18-18-17, below 7,000 feet; the Edna No. 2 in the same section, below 6,800 feet; the Marcus No. 1 in Section 18-18-17, below 6,100 feet; the Mayfield No. 2 in Section 18-18-17, below 5,800 feet; the Mayfield No. 3 in Section 18-18-17, below 3,300 feet and the Nelson No. 1 in Section 18-18-17, be-

low 2,000 feet. The Morgan B-6 in Section 18-18-17 is waiting on rig to start drilling.

The Phillips company is drilling on three tests, the Marine No. 3, below 7,200 feet, the Marine No. 4, below 7,100 feet and the Marine No. 5, below 6,200 feet. All are in Section 20-18-17.

The Marine Oil Company is drilling on two tests, the Fee No. 5, below 6,580 feet and the Fee No. 6, below 6,300 feet, both in Section 17-18-17.

The Alice Sidney Oil Company is drilling on two tests, the Powledge No. 2, below 6,850 feet and the Powledge No. 3, below 6,600 feet, both in Section 17-18-17.

Jones, Murphy and Hurley are drilling below 7,200 feet in the Murphy Land Company A-2 test in Section 19-18-17 and have made locations for the C. H. Murphy No. 2 and the Murphy Land Company A-3, both in Section 19-18-17 but have not started operations.

Permits have been issued for three other tests but operations have not been started: The Kate Powledge No. 1 of L. H. Simpson in Section 8-18-17, the B. F. Justiss No. 1 of N. F. Wilson in Section 8-18-17 and the C. D. Justiss No. 1 of R. T. Adams in Section 7-18-17.

Of the three tests in Columbia county, the well attracting the most attention is the Phillips No. 1 of the Standard Oil Company in Section 15-17-19 in the Village area near the Union county line, which is coring in the Reynolds lime formation below 7,371 feet, with oil saturation reported. The same company is coring in the Reynolds lime with oil saturation reported in Waters No. 1 test in Section 7-16-22 in the Buckner area below 7,242 feet and also is drilling below 6,922 feet in the S. T. Crone No. 2 test in Section 8-16-22 in the Buckner area.

Leasing Presages New Activity. Activities are expected to be resumed in the Magnolia area of Columbia county soon following the sale of more than 800 acres of leases and the discovery producer of the Kerr-Lynn Company to the Atlantic Refining Company early this week.

In Bradley county in section 9-16-11 the Phillips Petroleum Company is drilling below 4,628 feet on its Marsden No. 1 wildcat test, scheduled to be taken below 6,000 feet.

Market Situation Solved.

Although the Lion Oil Refining Company ceased buying oil in the Shuler field May 1, the action of the state Conservation Board in reducing the allowables of 35 Jones sand wells to 200 barrels each daily apparently has solved the market situation, as the Root Refining Company is able to buy the present surplus and deliver it via its six-inch main.

The Root Company is spending more than \$150,000 in new construction and repair work at its plant here, including the construction of a new pipe still that can handle the Jones sand "sour" oil without the necessity of blending it with "sweet" oil.

Other New Construction Rumored.

Unconfirmed rumors have been circulating here that the Standard Oil Company contemplates building a pipe line to the Shuler field and will enter the purchasing field of Shuler crude. It also is reported that the Phillips Petroleum Company is considering the erection of a gasoline plant in the Shuler field and that the Shell Petroleum Corporation may barge crude oil down the Ouachita river. The Lion Company already makes use of the Ouachita river, shipping gasoline and other Lion products down the river from its terminal at Champagne, Ill., to a distributing point at Memphis on the Mississippi river. When the river transportation was inaugurated by the Lion, it was contemplated that other terminals would be established as distributing points on the Mississippi river.

A. M. Crowell, chief agent for the Arkansas state Conservation Department has announced production figures for the Jones sand of the Shuler field for the first three months of this year, which totaled 896,047 barrels.

Production by months follows:

JANUARY.		
Company	Wells	Production
Jones, et al	3	37,200
Alice-Sidney	1	12,400
Lion	4	48,332
Marine	1	12,398
Phillips	2	19,393
Totals	11	129,735

FEBRUARY.		
Company	Wells	Production
Alice-Sidney	2	39,200
Jones, et al	2	71,214
Lion	5	113,713
Marine	2	41,600
Phillips	5	65,848
Totals	18	331,575

MARCH.		
Company	Wells	Production
Alice-Sidney	3	46,913
Jones, et al	4	86,563
Lion	8	129,092
Marine	4	50,354
Phillips	7	122,815
Totals	26	434,737

Logs of five wells have been filed

with the state Conservation Department by the Lion Oil Refining Company for the Myrtle Mayfield No. 1 in Union county, by R. W. Newell for the Thomas No. 1 in Miller county, by the Kerr-Lynn Company for the Barnett No. 1 in Columbia county; by Mrs. S. O. Thompson for the Greer No. 1 test in Miller county and by the Gerhig Company of Arkansas for the Mitchell No. 1 in Miller county.

OIL NEWS Oil Drilling At New Peak In State

Special to the Gazette. 5-15-38

El Dorado, May 14.—Interest in oil activities in south Arkansas reached a new peak this week with the completion of another test in the Buckner area of Columbia county for a big producer, the completion of another Jones sand producer in the Shuler area of Union county with several others nearing the testing stage, and the setting of a new record for the deepest well in the state.

The newest producer is the Waters No. 1 test of the Standard Oil Company in Section 7-16-22, a west offset to the McKean No. 1 discovery well in the Buckner area. Also in the Buckner area the Standard Company has set casing for final testing of its S. T. Crone No. 2.

In the Village area of Columbia county near the Union county line the Standard Company has set casing for final testing of its Phillips No. 1 wildcat test in Section 15-17-19 in which heavy oil saturation was obtained in cores in the lime. The Phillips test is five miles east of the Barnett No. 1, discovery well of the Kerr-Lynn Company in Section 14-17-20, which is producing from the Reynolds lime at 7,335 to 7,368 feet. The Kerr-Lynn test is on a 800-acre spread of leases recently sold to the Atlantic Refining Company for \$200,000 in cash and \$40,000 in oil from each of the 40-acre tracts in the spread that produces oil.

Only completion in the Shuler area west of El Dorado was the Marine No. 3 test of the Lion Oil Refining Company in Section 17-18-17.

Four Other Tests Near Jones Sand.

Four other tests in the Shuler field are either coring in the Jones sand or preparing to set casing for final testing and a fifth is preparing to core the sand.

The Phillips Petroleum Company set casing Thursday on its Marine No. 4 test in the northwest corner of the northeast quarter of the northwest quarter of Section 20-18-17 after the Jones sand was cored from 7,516 to 7,570 feet. Total depth is 7,640 feet. The same company is preparing to run Schlumberger test and set casing in its Marine No. 3 test in which the Jones sand was cored from 7,515 to 7,570 feet.

Jones, Murphy and Hurley were preparing to set casing for final testing of their Murphy Land Company A-2 test in Section 19-18-17, in which the Jones sand was cored from 7,528 to 7,580 feet.

The Lion Oil Refining Company is coring in the Jones sand below 7,594 feet in the Edna No. 1 test in Section 18-18-17. Top of the Jones sand was encountered at 7,569 feet.

The Alice Sidney Oil Company was expected to start coring this week-end at 7,550 feet on the Powledge No. 2 test in Section 7-18-17, a north outpost to the Shuler field.

The Justiss No. 3 lime test of the Phillips Petroleum Company in the center of lot six in the northwest quarter of Section 18-18-17, a Reynolds lime test, Thursday became the deepest test ever drilled in Arkansas when it passed the previous mark of 7,973 feet set by the Gulf Refining Company on its Louis Werner Sawmill Company No. 49 in the Griffin area of the Smackover field several years ago. The previous deep mark for the Shuler field was 7,955 feet on the Marine No. 2 test of Jones, Murphy and Hurley in Section 17-18-17, completed as a Jones sand producer.

The Phillips Company also is drilling another test to the Reynolds lime, passing up the Jones sand. It is the Marks No. 3 in the center of lot two in the southwest quarter of Section 18-18-17, drilling below 5,800 feet.

The Lion Oil Refining Company has made location for a lime test, the Mayfield No. 4, in the center of lot three in the northwest quarter of Section 18-18-17.

Drilling is going ahead on 11 other tests in the Shuler field. The Lion Company is drilling six tests: The Edna No. 2 in Section 18-18-17, below 7,350 feet; the Marcus No. 1 in Section 18-18-17, below 6,650 feet; the Mayfield No. 2 in

Section 18-18-17, below 6,330 feet; the Mayfield No. 3 in Section 18-18-17, below 5,430 feet; the Alice Nelson No. 1 in Section 18-18-17, below 3,775 feet, and the Morgan B-6 in Section 18-18-17, below surface casing.

The Marine Oil Company is drilling below 7,150 feet on the Fee No. 5 test in Section 17-18-17 and below 6,951 feet on the Fee No. 6 in the same section.

The Alice Sidney Company is drilling below 7,460 feet on the Powledge No. 3 test in Section 7-18-17.

The Phillips Company is drilling below 6,950 feet on the Marine No. 5 test in Section 20-18-17.

Jones, Murphy and Hurley are drilling below 2,000 feet on the Rodgers No. 1 test in Section 16-18-17.

Locations have been made and permits issued for six other tests in the area, but operations have not been started. They are the C. H. Murphy No. 2 and the Murphy Land Company A-3 of Jones, Murphy and Hurley in Section 19-18-17; the Kate Powledge No. 1 of L. H. Simpson in Section 8-18-17; the B. F. Justiss No. 1 of N. F. Wilson in Section 8-18-17; the C. D. Justiss No. 1 of R. T. Adams in Section 7-18-17 and the C. D. Justiss No. 1 of Roberts and Murphy in Section 7-18-17.

On the east side of the Shuler field the Atlantic Refining Company has completed a deal with Bailey and Trimble for purchase of half interest in the north half of the southwest quarter of Section 16-18-17 and the east half of the northwest quarter and the southwest quarter of the northwest quarter of Section 21-18-17 for a reported \$100,000 in cash and a like amount in oil. Southwest of Lawson in Union county the Marine Oil Company is reported to have leased the northeast quarter and the north half of the southeast quarter of Section 10-18-14.

Seismograph crews are shooting in township 17, range 14 near Rainbow City; near Wesson in township 18, range 16; in township 16, range 18 in the Mount Holly region and in township 19, range 17 south of Shuler.

Four New Permits Issued.

Four permits to drill new wells and one to plug and abandon an old test have been issued by the state Conservation Department and logs of two wells were filed. B. B. Orr et al. of Gilmer, Tex., obtained permit to drill the E. B. Mitchell No. 2 test, 336 feet west and 330 feet south of the northeast corner of Section 10-20-28 in Miller county.

B. L. Webb of Rosston obtained permit to drill the Boswell No. 1 test, 330 feet north and 330 feet east of the southwest corner of the southwest quarter of the southwest quarter of Section 4-14-20 in Nevada county.

The Red Iron Drilling Company of Gladewater, Tex., obtained permit to drill the E. B. Mitchell No. 1 test, 334 feet east and 330 feet north of the southwest corner of Section 2-20-26 in Miller county.

Roberts and Murphy of El Dorado obtained permit to drill the C. B. Justiss No. 1 test, 330 feet north and 330 feet west of the southeast corner of lot six in the southwest quarter of Section 7-18-17 in Union county.

The Ohio Oil Company obtained permit to plug and abandon the C. L. Frazier No. 2 test, 30 feet north and 200 feet west of the southeast corner of the southwest quarter of the southwest quarter of Section 6-17-13 in Union county.

Logs were filed by Edwin M. Jones for the Marine Fee No. 3 test in Union county and by the Standard Oil Company of Louisiana for the S. T. Crone No. 1 test in Columbia county.

Two Outpost Tests in Louisiana Field Show Promise.

Special to the Gazette. 5-15-38

Shreveport, La., May 14.—Looming producers at outpost operations in two North Louisiana fields and setting of casing for production test at a closely watched wildcat in Arkansas, held top attention as the week closed in the Ark-La-Tex district.

Union Producing Company et al's.

Coleman No. 1, Section 30-20-5, three-quarter mile northwest outpost in the Sugar Creek area, Claiborne parish, was making drill stem test of oil shows logged in cores from 5,677-79, 5,681-84, and 5,705-13 feet in the Travis Peak, producing gas and distillate in the field proper. Total depth is 5,717 feet.

A mile south of production in the recently opened offshoot area of the Zwolle field, Sabine parish, Harry Norris et al's, Irwing & Bishop No. 1, Section 18-7-13, was running tubing after bailing good showing of oil at 2,495 feet in the chalk horizon.

In Columbia county, Ark., at Village, Standard Oil Company of Louisiana set a string of casing in its Phillips No. 1, SE NW Section 15-17-19, closely watched Permian lime wildcat. Total depth is 7,473 feet, with oil, gas and distillate shows logged in coring deeper since drill stem test was made from 7,351-95 feet, showing 1,000 feet of mud out with oil.

The sixth and seventh producers from the recently opened 3,100-foot oil zone

in the Sligo district of Bossier parish, have been completed. Triangle Drilling Company completed K. Skannal A-4 at 3,140 feet and Union Producing Company added Thigpen-Herold 2, at 3,132 feet, both in Section 13-17-12. Production averaged around 200 barrels day on initial tests.

Ohio Oil Company completed Crut-singer 1, Section 22-21-10, in the Cotton Valley field, Webster parish, from the Lower Marine zone at 8,487 feet, flowing 553 barrels the first 24 hours through a quarter-inch choke.

Bailing dry at 2,960 feet, Producers Oil & Gas Company's Locke 1, Section 9-15-10, Bienville parish wildcat, was drilling ahead to test basal Glen Rose at around 5,400 feet.

The fourth well in the Shreveport district to reach the 10,000-foot mark was the Magnolia Petroleum Company et al's, Sexton No. 1, Section 2-23-9, in the Shongaloo area, Webster parish.

Drilling past 10,085 feet, it had sand with slight gas odor at 10,031 feet.

Logging top of the Lower Marine at 9,650 feet, Gulf Refining Company's Goodpine No. 1, Section 25-14-8, drilled ahead below 9,760 feet. Finding hole off three degrees at 10,759 feet, Union Producing Company et al's, Brownfield 2, Section 5-19-5, in the Sugar Creek area, plugged back to 10,561 feet to straighten hole.

One and a half mile southeast of production in the Cotton Valley field, Webster parish, Stanolind Oil & Gas Company's Pardee No. 1, Section 36-21-10 reached the top of the Lower Marine zone at approximately 8,150 feet and set a string of seven-inch casing.

On the northwest flank of the Converse field, Sabine parish, Republic Natural Gas Company's Whitney No. 1, Section 8-9-13, shut down at 8,929 feet. In DeSoto parish, the Hunter Company's Parker 1, Section 26-12-16, was below 4,310 feet. In Grant parish, C. L. Thompson et al's Woodard 1, Section 10-6-3, was below 1,915 feet; in Natchitoches, Walter P. Ryan's Lambert 1, Section 4-8-9, was past 2,775 feet. Sutton-Zwolle Oil Company's abine No. 1, Section 23-7-14, drilled ahead at 4,175 feet. In Union, Standard Oil Company's Frost 1, Section 14-21-1, was below 9,425 feet.

In DeSoto parish, S. P. Taylor et al, have staked location for Barnhart No. 1, Section 20-14-12, a proposed 5,000-foot test on a 4,000-acre block.

Review of Arkansas Oil Fields New Horizons Are Explored In Louisiana Democrat 5-15-38 Leasing Quiet—Columbia County, Ark., Spot-lighted Again.

Shreveport, La.—Two tests between the Sugar Creek and Lisbon fields, Claiborne parish, looming for possible oil producers, were the center of the spotlight the past week in north Louisiana development, which continued to be featured by watchful waiting on four deep wildcat tests—wildcats from the standpoint of new horizons being explored.

Three-fourths of a mile northwest of the five present Travis Peak oil wells in Sugar Creek, Standard Oil Company of Louisiana and associates were reaming down for a drill stem test in No. 1 Coleman, section 30-20N-5W, after this test logged Travis Peak formation from 5,673 to 5,715 feet, showing oil. Total depth is 5,717 feet in red beds.

One-fourth mile southwest of a two-mile southwest outpost at Lisbon, and in the direction of Sugar Creek, Weaver Oil Corporation was reported to have recovered a core showing saturation just above 5,460 feet in basal Glen Rose in No. 2 Edmonds, section 16-20N-5W. This is a quarter of a mile southwest of J. R. Beville et al's No. 1 Edmonds, section 16-20N-5W, completed in this horizon several months ago as a 100-barrel well, after repeated use of acid.

One-half mile northwest of nearest production at Lisbon, E. T. (Rebel) Oakes, discoverer of the Lisbon field, was arranging to core ahead below 4,225 feet in No. 1 Kilgore, section 28-21N-5W, after drill stem test showed considerable gas in tight lime formation just under anhydrite, from 4,211 to 4,225 feet. This horizon had shown considerable gas in Oakes' first test at Lisbon, and it was while running drill stem for a test in No. 1 Patton, section 1-20N-5W, that Oakes lost his first hole, having to skid over 72 feet to drill what turned out to be the discovery well of the field at 5,378 feet.

North Louisiana's fourth test to

reach 10,000 feet passed that mark last week in Magnolia Petroleum Company's No. 1 Frank Sexton, section 32-23n-9w, deep test at Shongaloo, Webster parish, which Thursday was drilling at 10,074 feet. This test has been showing some gas since passing the 10,000-foot mark. It showed considerable gas and distillate at 9,007 feet.

Union Producing Company (United Gas) and Sugar Creek Syndicate were plugging back to 10,561 feet, from total depth of 10,759 feet, to straighten crooked hole, five degrees off at the latter level in No. 2 Brownfield, section 5-19n-5w, Claiborne parish, Sugar Creek district, which recently at 10,559 feet set the longest string of seven-inch casing in north Louisiana, being the third north Louisiana test to pass 10,000 feet, the previous tests below this depth being R. W. Norton's No. 1 Payne, section 27-23n-16w, Caddo parish, that set the record in this area with 11,486 feet, and Gulf Refining Company's No. 15 R. R. Rhymes, section 32-17n-6e, Richland parish, that went to 10,061 feet.

What was said to have been the first live oil ever recovered from the Glen Rose horizon in DeSoto parish, was obtained during testing last week of S. S. Alexander's No. 1 Stell, section 5-12n-16w, a workover operation, which is attempting a squeeze job after perforating and drilling out plug to 5,160 feet. Previous perforations were at the 5,400-foot level. In the same parish, Louisiana Seaboard's No. 1 Lawrence, section 36-12n-14w, is coring for the Tokio at 2,700 feet.

Leasing in north Louisiana has been unusually quiet in the last fortnight. However, Tidewater Associated Oil Company has taken a 4,000-acre block centering around section 8-23n-1w, Union parish, northwest of Farmerville, from Lyons and Neely of Shreveport, who assembled the acreage over a year ago.

Continental Oil Company is taking scattered leases along the Louisiana-Arkansas line. Southwest of the shallow Homer field, Claiborne parish, Buchanan and associates have assembled over 3,000 acres for a proposed deep test, the acreage centering around section 14-20n-8w.

The newly discovered 3,100-foot oil producing horizon in the Sligo field, Bossier parish, added its sixth and seventh producers last week, both in Section 13-17n-12w, but no gauge was made as the wells were shut in awaiting storage. This field at present is without a pipeline outlet.

The pipeline situation at Lisbon has been greatly improved due to Caddo Crude Oil Purchasing Company resuming the purchase of full allowable there.

The lower Marine 8,000-foot horizon of the Cotton Valley field, Webster parish, was extended a quarter of a mile southwest by Ohio Oil Company's No. 1 Crutinger, section 35-21n-10w, which flowed 533 barrels of distillate oil in first 24 hours through quarter-inch choke, from total depth of 8,487 feet. The Lisbon field added three new wells last week, one of which extended production one location northeast.

Village Well Shows Up.
Apparent assurance of the successful completion of Standard Oil Company of Louisiana's No. 1 W. P. Phillips, section 15-17-19, Columbia county, Arkansas, near Village, and five miles from the recently completed Kerr-Lynn Oil Company's No. 1 Barrett, section 14-17-20, as an oil well in the Permian lime, featured oil activity last week in Arkansas.

Standard was preparing to set final casing string in No. 1 W. P. Phillips, after logging Permian formation 7,395 to 7,473 feet, practically all of this section showing saturation of gas, distillate and oil. Many believe this test to be on the same structure with the Kerr-Lynn producer, recently sold with the surrounding 600 acres to Atlantic Refining Company. Shell Petroleum Corporation has made tentative location for No. 1 Mrs. N. S. Garrett on an east offset tract to the Kerr-Lynn discovery.

Standard of Louisiana was completing the third Permian lime producer in the Buckner field No. 1 Waters, section 7-16-22, Columbia county, which Thursday was flowing into pits with no immediate gauge made. Total depth is 7,258 feet. Casing pressure was 450 pounds, and tubing 275 pounds. The same company's No. 2 Crone, section 8-16-22, has set final string of casing with total depth of 7,269 feet.

Phillips Petroleum Company has abandoned No. 1 Marsden, section 9-16-11, Bradley county, as a dry hole at 5,041 feet after electrical tester was run.

One well was added last week in the Shuler field, Union county, Phillips Petroleum Company's No. 4 Marine, section 20-18-17, was running final casing string with total depth of 7,640 feet, after logging Jones sand from 7,516-70 feet. The same company's No. 3 Justiss, section 18-18-17, which is penetrating the Permian at Shuler, neared Arkansas's depth record set at 7,989 feet in Gulf Refining Company's test in section 5-16-16, Union county, several years ago. Phillips' No. 3 Justiss is drilling below 7,966 feet.

Activity showed indications of slowing up in the Jefferson end of Rodessa, in Marion county, Texas,

last week as a sequel to a recent curtailment of runs to 100 barrels per well by the only pipeline outlet to that part of the field. Only three wells were completed and five new locations were made.

Review of Arkansas Oil Fields

Shuler Boom Shows No Sign Of Exhaustion

Democrat 5-22-38
Three Wells Completed Past Week, Others in the Offing.

El Dorado—On the heels of the the Shuler area Friday night, two completion of three producers in more wells moved into the testing stage Saturday as preparations were being made for setting of casing in one and coring operations continued on two others.

Perforation of casing was scheduled Sunday on two wells of the Alice Sidney Oil Company. They are the Powledge Nos. 2 and 3, in section 7-18-17. Tubing probably will be run in the wells Sunday morning.

A crew of the Marine Oil Company was preparing to set casing, after running Schlumberger test, in the Fee No. 6, in section 17-18-17. The depth is 7,610 feet.

The Lion Oil Refining Company was reaming down Saturday after coring saturated sand from 7,535 to 7,553 feet on the Marcus No. 1, section 18-18-17, and the same company was milling out core head cones, prior to resumption of coring, in Mayfield No. 2, section 18-18-17.

The Phillips Petroleum Company is reaming down preparing to run Schlumberger test on the Justiss No. 3, section 18-18-17, after coring hard black and gray lime from 8,316 feet to 8,328 feet. The Phillips Company also is reaming down to core in the Marine Fee No. 5, section 20-18-17.

Four new tests are being started in the field. Two are by the Lion Oil Refining Company as follows: Clarice No. 1, southwest corner, lot 7, southwest quarter, section 7-18-17, and the Marvin No. 1, northeast corner of same lot. Derrick is being built on each location.

Jones, Murphy and Hurley have made location for the Murphy Land Company A-3, southeast quarter of the northeast quarter, section 19-18-17. The No. 2 well on the lease was completed as a producer Friday.

The Alice Sidney Oil Company is building derrick for the Powledge No. 4, northwest quarter of the southeast quarter, section 7-18-17. The Atlantic Refining Company is building derrick for Dumas No. 1, northeast quarter of the northwest quarter, section 21-18-17.

Four producers were added at Shuler during the week, three of them Friday. They brought the total number of Jones sand wells to 40 and the number of wells in the field to 53.

Saturday's drilling report follows: Lion, Mayfield No. 2, lot 2, nw. 18-18-17, milling out core head cones. Lion, Edna No. 1, nw. ne. 18-18-17; perforated and completed as Jones sand producer. Lion, Edna No. 2, ne. ne. 18-18-17; casing set to 7,665 feet. Lion, Marcus No. 1, lot 5, nw. quarter 18-18-17; reaming down after core showed saturated sand. Lion, Morgan B6, ne. se. 18-18-17; drilling below 3,115 feet. Lion, Mayfield No. 3, lot 1, no. 18-18-17; drilling below 6,260 feet. Lion, Nelson No. 1, lot 6, sw. 18-18-17; drilling below 5,700 feet. Lion, Mayfield No. 4, lot 3, nw. quarter, 18-18-17; drilling below 1,995 feet.

Marine, fee No. 5, sw. sw. 17-18-17; casing set in Jones sand. Marine, fee No. 6, nec. w. half, sw. 17-18-17; preparing to set casing.

Alice Sidney, Powledge No. 2, nw. sw. se. 7-18-17; perforating casing. Alice Sidney, Powledge No. 3, se. se. 7-18-17; perforating casing.

Phillips, T. P. Marks No. 3, lot 2, sw. quarter, 18-18-17; drilling at 6,452 feet. Phillips, Marine No. 7, swc. nw. nw. 20-17-18; completed as Jones sand producer. Phillips, Marine No. 4, nwc. ne. nw. 10-18-17; completed as Jones sand producer. Phillips, Marine No. 4, ne. nw. 20-18-17; completed as Jones sand producer. Phillips, Justiss No. 3, lot 6, nw. quarter 18-18-17; reaming down and preparing to run Schlumberger. Phillips, Marine No. 5, nec. nw. nw. 10-18-17; reamed down, preparing to core.

Jones, Murphy and Hurley, C. H. Murphy No. 2, lot 6, nw. quarter, 18-18-17; permit issued. Jones, Murphy and Hurley, Murphy Land Co. A-2, ne. ne. 19-18-17; completed as producer. Jones, Murphy and Hurley, Rodgers No. 1 swc. sw. sw. 16-

18-17; drilling at 4,194 feet. Jones, Murphy and Hurley, Murphy Land Co. A-3, nec. se. ne. 19-18-17; location made.

Atlantic Refining Co., B. M. Dumas No. 1, nwc. ne. nw. 21-18-17; building derrick.

L. H. Simpson, Kate Powledge, 330 no. 330 e. swc. s. half, nw. sw. 8-18-17; location made.

N. F. Wilson, B. F. Justiss No. 1 on 2.57-acre tract in ne. sw. 8-18-17; permit issued.

R. T. Adams, C. D. Justiss No. 1, lot 2, sw. 7-18-17; permit issued.

Roberts and Murphy, C. D. Justiss No. 1, se. cor. lot 6, sw. quarter 7-18-17; permit issued.

Louisiana May Have New Shallow Field

Democrat 5-22-38
Cabine Parish Well Producing—Lisbon Has Another Boom.

Shreveport, La.—Discovery of a new oil producing horizon on the south flank of the Sabine uplift, in the old Blue Lake shallow field of Sabine parish, was heralded this week when J. G. Sutton-Zwolle Oil Company's No. 1 Sabine Lumber Company, section 23-7n-14w, which blew out suddenly while coring at 4,208 feet, was brought under control and completed, gauging 965 barrels of 35.6 gravity sweet oil per day through three-eighths-inch choke, with drill stem still in the hole.

Oil men for several months have realized that "north Louisiana's greatest need at present is a new shallow oil field," and apparently this wish has been realized by the behavior of this well.

Although some paleontologists place the producing horizon in the Fredericksburg-Paluxy horizon, others class the formation as upper Glen Rose above the anhydrite, arriving at the latter conclusion from logs of previous tests drilled to this depth in this general territory.

This well had shown 1,200 feet of oil of about the same gravity in a drill-stem test at 3,847 feet, but when casing was set, the well bailed dry after two treatments with acid. This horizon was definitely in the Fredericksburg lime. It appears unlikely that the present production is coming from this horizon.

J. G. Sutton-Zwolle Oil Company will drill a second test immediately, and location was made for an offset by F. W. Martin Drilling Company. Another immediate location will be made in section 8-7n-13w, two and one-half miles northeast.

A great deal of leasing went on south and west of this test after it showed oil at 3,847 feet, the "play" extending across the Texas line into Sabine county. W. T. Burton of Lake Charles, La., was among those getting the largest amount of acreage in this lease play.

The Lisbon field had one of its most prolific weeks in several months, adding seven new oil producers and accounting for 14 new locations, the major part of the present drilling program being on the southwest side of the field in sections 10, 11 and 12-20n-5w, Claiborne parish, recently proven productive by a three-fourths-mile southwest extension in Section 11-20n-5w.

More than two miles southwest of Lisbon production and a southwest offset to a 100-barrel daily producer completed after repeated acidization. Weaver Oil Corporation's No. 1 Edmonds, section 16-20n-5w, failed to pick up sufficient saturation in the basal Glen Rose lime, the regular producing level at Lisbon, and was reaming at 5,742 feet in the Travis Peak, which was topped at 5,600 feet.

One and one-half miles northwest of Lisbon production, E. T. Oakes, discoverer of the field, continued to drill ahead below 4,800 feet in No. 1 Kilgore, section 28-21n-5w. A gas showing was logged in this test as in the first test drilled at Lisbon, just below 4,200 feet.

The Louisiana side of Rodessa continued quiescent with the majority of the drilling in Rodessa being in Marion county, Texas, recently hard hit by a curtailment of purchases to 100 barrels daily, and in the Miller county, Ark., part of the field, the latter adding three new wells during the week.

Cotton Valley, Webster parish, continued to lead north Louisiana in number of actual drilling tests although more operations, counting locations are active, in the Lisbon field. H. L. Hunt Oil Company's No. 1 John Babb, section 14-21n-10w, in the northeast end of the lower Marine producing part of Cotton Valley, will be taken from 1,000 to 2,000 feet below the present lower Marine gas distillate horizon (Bodcaw) found from 8,100 to 8,400 feet at Cotton Valley, and even may be taken to the Permian lime.

Standard Oil Company of Louisiana and Joe Modisett's No. 1 Frost Lumber Co., section 14-21n-1e, Union parish wildcat, in the southeast "Shuler trend" continued to core and drill intermittently without picking up Permian lime at 9,570 feet Thursday, in sand.

Well Down 8,130 Feet.

A new depth record was set this week in Arkansas when Phillips Petroleum Company's No. 3 Justiss, section 18-18-17, in the Shuler field, Union county, continued drilling and coring below 8,130 feet. Previous depth record for Arkansas was Gulf Refining Company's test in section 5-16-16, Union county, Smackover district, that went to 7,989 feet.

The number of Permian lime oil wells in the Buckner field, Columbia county, had been boosted to four as the week closed, with completion of Standard of Louisiana's No. 2 Crone, section 8-16-22, flowing 88 barrels per hour through open tubing. As the week before had closed, the same company's No. 2 McKean had been completed, flowing 94 barrels per hour through open tubing. Standard is drilling another test in the field across the Lafayette county line in section 7-16-22, which is below 2,100 feet.

S. S. Alexander of Fort Worth, Tex., has taken a geophysical option on some 15,000 acres in Calhoun, Ouachita and Dallas counties in Arkansas, having until next September 3 to accept or reject such acreage in the tracts as desired. The most recently acquired of the block was 5,000 acres near Fordyce, in Dallas county, in township 10, range 14.

Atlantic Refining Company is shooting Joe Modisett's block in township 18, range 12, Union county, near Strong.

Columbian Fuel Corporation probably will drill another test on its 11,000-acre block around section 34-8s-3w, Desha county, where it recently abandoned a contemplated 6,000-foot wildcat at 4,915 feet, in what some reports said was granite. Phillips Petroleum Company's No. 1 Marsden, section 9-16-11, in Bradley county, abandoned at 5,140 feet, corrected total depth, logged top of Permian lime at 5,067 feet and logged a showing of heavy asphaltic oil at 5,080 to 5,095 feet, testing salt water and mud in a drill stem test at that horizon.

In Miller county, negotiations continue between Kerr-Lynn Oil Company and Standard of Louisiana for drilling of the latter's block around section 31-16-26, Kerr-Lynn being anxious to drill an 8,000-foot test for an interest and Standard wishing to sink a 9,000-foot hole.

North of Rainbow City in Union county, R. L. Hunt Oil Company has leased several hundred acres in township 16, range 14, and near Mount Holly, where there has been considerable geophysical and leasing activity. Kerr-Lynn has leased additional acreage in township 17, range 18. Fohs Oil Company, Tidewater Associated, Standard of Louisiana, Phillips Petroleum Company, and Kerr-Lynn are among companies still maintaining geophysical crews in various parts of Union county.

Oil Conservators Approve Permits

Democrat 5-24-38
El Dorado—Five permits to drill new wells were issued last week by the Arkansas Board of Conservation, the El Dorado office revealed. Two of the permits are for wells in the Shuler field and three others for tests in Miller county.

The Shuler permits follow: Lion Oil Refining Company, Marvin No. 1 in the northeast corner of lot No. 7 of the southwest quarter of section 7-18-17.

Lion Oil Refining Company, Clarice No. 1 in the southwest corner of lot No. 7 of the southwest quarter of section 7-18-17.

The Miller county tests follow: S. H. Killingsworth, Longview, Tex., J. P. Greer in the northeast corner of the southwest quarter of the northwest quarter of section 11-20-28.

Texarkana Drilling Company, W. W. Capps No. 1 in the northeast corner of the north half of the northwest quarter of the northeast quarter of section 10-20-28.

F. W. Burford, E. B. Mitchell No. 1 in the east half of the west half of the southwest quarter of section 2-20-26.

Logs were filed by F. W. Burford on the Mary O. Ahern No. 2 in Miller county, by Isadore Roosth, on the W. W. Cappel No. 1 in Miller county, and by Freda Lasse Layton on the McKellar No. 2 in Miller county.

Review of Arkansas Oil Fields

Extension of Lisbon Field Again Likely

Prospecting and Leasing in Arkansas Areas Unabated
Democrat 5-29-38

Shreveport, La.—A probable one and one-half mile northwest extension of the Lisbon basal Glen Rose lime oil producing area indications of a possible oil well and a gas distillate well in the Logansport district of DeSoto parish, and staking of four additional locations in the newly opened 4,200-foot horizon of the Blue Lake (West Zwolle) field, Sabine parish, highlighted development in north Louisiana territory the past week.

E. T. ("Rebel") Oakes, former major league baseball player of two decades ago, and discoverer of the Libson field in December, 1936, appeared to be assured of a one and one-half-mile northwest extension of that area in his No. 1 Kilgore, section 28-21n-5w, Claiborne parish, which was testing as the week closed at total depth of 5,313 feet, after logging 13 feet of saturated basal Glen Rose lime, topped at 5,297 feet, with elevation of 288 feet.

Although Louisiana Conservation Commission officials placed a 40-acre space rule in effect for the 4,200-foot level of the Blue Lake (West Zwolle) field, four new locations were made there during the week, including two additional wells for J. G. Sutton-Zwolle Oil Company, whose No. 1 Sabine Lumber Company, section 23-7n-14w, continued to average over 40 barrels of 35.6 gravity oil per hour through small choke. Later it was choked down to a quarter-inch choke.

All the new locations during the week were in sections 11-7n-14w and 23-7n-14w. F. W. Martin & Company, formerly of Oklahoma, who have spudded a direct offset to the discovery well have secured 160 acres of close-in leases from H. D. Easton, Shreveport geologist, who made location for the well, as he did for the discovery shallow wells both at Blue Lake and East Zwolle, as well as in Conners and Lisbon.

The Hunter Company of Shreveport was drilling hard at 5,100 feet late in the week in No. 1 Parker, section 26-12n-16w, DeSoto parish, after logging 50 feet of saturated Glen Rose lime from 5,030 to 5,080 feet, after previously having a showing of gas and distillate at 4,930-54 feet. The lower showing was also of gas and distillate. In ne. ne. section 5-12n-16w, also in DeSoto parish, S. S. Alexander of Fort Worth, Tex., apparently had made a successful squeeze job at 5,200 feet in Glen Rose, in No. 1 Stell, a workover, and the well was flowing oil by heads through tubing, averaging 60 barrels or more of oil daily, as testing continued.

Two new wildcat tests on the edge of the Shreveport city limits in Caddo parish started operations during the week, one being Oils, Incorporated's No. 1 A. Cazaur, section 16-16n-13w, a 3,500-foot test just south of the city, and the other being a 6,000-foot test just north of the city, the latter being R. E. Allison and associates' No. 1 Ellerbe et al., section 27-18n-4w, on an 8,000-acre block. This location is adjacent to the intersection of axes running from the four highest points on the Sabine uplift, to-wit: From Pine Island to Naborton, and from Bellevue to Waskom.

North Louisiana chalked up its fifth 10,000-foot hole depth when Gulf Refining Company's No. 1 Goodpine Oil Company, section 25-14n-8w, Bienville parish, passed that depth and continued coring below 10,047 feet in gray sandy lime of lower Marine age, this formation having been topped at 9,650 feet. Joe Modisett and associates (Standard of Louisiana) were coring below 9,617 feet in oolitic lime, tentatively identified as upper Permian, in No. 1 Frost, section 14-21n-1e, Union parish.

North Louisiana's daily allowable for June was cut 1,000 barrels to 73,000 barrels, by the Conservation Commission, the allowable at Rodessa being sliced 2,000 barrels to 40,000 barrels daily. The Lisbon field's allowable for June was boosted 1,000 barrels to 9,000 barrels, and Cotton Valley's Holloway (Travis Peak) production was left unchanged at 4,000 barrels.

Shuler Active.
The Shuler field, Union county, received two of the last week's four new locations in Arkansas, the others going to the Miller county end of the Rodessa field. Shuler added four wells the past week. Root Petroleum Company, which at present is the only buyer in Shuler except Lion Oil Refining Company, which is taking only its own oil or from wells in which it has an interest, reduced purchases from 150 barrels daily per well to 125 barrels for the rest of May.

Standard of Louisiana is buying the 200 barrels daily allowable of Atlantic's No. 1 Barnett in Columbia county, and as this well has been averaging over 300 barrels daily it had to install a reduced sized choke to come within the allowable.

A great deal of geophysical activity continues in south Arkansas. Standard of Louisiana has a geophysical crew working in Ashley and Chicot counties, in the southeast part of the state, the crew being headquartered at Hamburg. Phillips Petroleum Company has a geophysical crew working in Union county in township 18, range 18. Kerr-Lynn Oil Company's crew continues to work in southern Union county as are the crews of several other companies.

McAlester Fuel Oil Company (J. G. Puterbaugh) is completing its block for a deep test in township 15, range 22, in Columbia county. This same company, with Ray L. Estabrook and A. F. Crider of Shreve-

port has assembled a large block near Ravanna on the Texas-Arkansas line for a proposed 6,200 foot test, contract to drill having been let to Riley Drilling Company of Kilgore, Tex. Tentative location has been made in SW, west half NW, section 29-19-28, Miller county, Arkansas. McAlester has right to take the test from contract depth to the Travis Peak. A great deal of interest has been created by Fohs Oil Company's (Houston, Tex.) block in township 19, range 13, Union county, leased some time ago, and it is a sort of base for other geophysical operations in that part of Union county where Fohs has a shooting unit in township 19, range 18; Magnolia's shooting unit in township 19, range 14, and Phillips in the same locality; Kerr-Lynn's unit in township 18, range 14, and Amerada's seismograph unit in township 17, range 14.

After setting a new depth record for Arkansas—previous record 7,973 feet—Phillips Petroleum Company's Justiss 3, section 18-18-17, Shuler field, which went to 8,328 feet in Permian lime, but not, it is believed to the salt, was plugged back to 7,740 feet and probably will be completed in upper Permian where there are now two gas distillate producers.

OIL NEWS

Lime Wells Hold Chief Oil Interest

Special to the Gazette. 5-29-38

El Dorado, May 28.—Although four new producers were completed in the Jones sand of the Shuler field the past week, the interests of the oil fraternity was centered in the completion Thursday of the Phillips No. 1 of the Standard Oil Company in Section 15-17-19 in the Village area of Columbia county and the final testing of the Phillips Petroleum Company's Justiss No. 3 test in Section 18-18-17 in the Shuler field. The latter is the deepest test ever drilled in Arkansas.

The Standard well was brought in Thursday afternoon after perforations from 7,420 to 7,430 feet.

In the Shuler area, the Phillips company set casing on the Justiss test at 7,600 feet after the well had been drilled and cored to 8,327 feet. Good showings of oil were obtained in cores from 7,604 to 7,671 feet and perforation of casing was started Thursday from 7,646 to 7,653 feet.

Two other wells in the Shuler field are producing from the lime, the Morgan A-1 of the Lion company in Section 18-18-17 and the Justiss No. 4 of the Marine in the same section. The Phillips company is drilling below 6,850 feet on the Marks No. 4 test in Section 18-18-17, the only other well in the area now drilling to the lime.

The four Jones sand completions brought to 4 the number of producers from that formation and to 57 the number of producers in the Shuler field, including the two from the Reynolds lime and 11 in the Morgan sands.

The first completions of the week were the Powledge No. 2 and Powledge No. 3 tests of the Alice Sidney Oil Company in Section 7-18-17. Casing was set in the No. 2 test at 7,666 feet after sand was cored from 7,606 to 7,656 feet and pipe was perforated from 7,624 to 7,676 feet with 67 shots. Casing was set in the No. 3 test at 7,689 feet after sand was cored from 7,607 to 7,654 feet and pipe was perforated from 7,169 to 7,628 with 39 shots.

The Lion completed its Edna No. 2 test in Section 18-18-17 through 118 perforations from 7,569 feet after casing had been set at 7,665 feet. Sand had been cored in the test from 7,569 to 7,620 feet.

Last completion was the Fee No. 5 test of the Marine company in Section 17-18-17. Casing was set at 7,584 feet and pipe perforated from 7,526 to 7,534 and from 7,540 to 7,560 feet with 110 shots. Sand had been cored from 7,517 to 7,586 feet.

The Marine company is expected to complete its Fee No. 6 test in the same section this week-end. Casing was set at 7,594 feet after sand was cored from 1,535 to 7,586 feet.

Three Others Await Casing.

Three other tests are waiting on casing for final testing. They are the Marine No. 5 of the Phillips company in Section 20-18-17, in which casing was set at 7,650 feet after sand was cored from 7,510 to 7,573 feet; the Marcus No. 1 of the Lion company in Section 18-18-17, in which pipe was set at 7,635 after sand was cored from 7,519 to 7,621 feet, and the Mayfield No. 2 of the Lion in the same section, in which casing was set at 7,640 feet after sand was cored from 7,528 to 7,627 feet.

The Lion company is drilling on five tests in the area, the Mayfield No. 3, below 6,745 feet; the Nelson No. 1, below 6,274 feet, the Morgan B-6 below 4,272 feet, and the Mayfield No. 4 below 2,300 feet, all in Section 18-18-17, and the Marvin No. 1 in Section 7-18-17, below surface casing.

Jones, Murphy and Hurley is drilling below 5,550 feet in the Rodgers No. 1 test in Section 16-18-17 and below 500 feet in the Murphy Land Company A-3 in Section 19-18-17.

The Atlantic Refining Company is drilling below surface casing in the Dumas No. 1 test in Section 21-18-17.

The Alice Sidney company is rigging up to start operations on the Powledge No. 4, in Section 7-18-17, and the Lion company is rigging up to start operations on the Clarence No. 1 in the same section.

The state Conservation Department Thursday issued production orders for the South Miller county field and the Buckner field of Columbia-Lafayette county for June. Daily allocation for the South Miller county field will be 9,344 barrels for the 86 producing oil wells. Per well allowable is based half on number of wells and half on acreage, with the factor for one well 108 barrels and the factor for each acre, 9.2 barrels.

Daily allocation for the "big lime" of the Buckner field will be 800 barrels for the four producing wells with per well allowable based half on bottom hole pressure and half on acreage. The factor is 2.5 barrels for each acre and .03126 barrels will be allocated for each pound of bottom hole pressure.

Although there was not then any producers in the Village area of Columbia county, the board decided the field's daily allowable per well should be determined half on bottom hole pressure and half on acreage, with gas-oil ratio not to exceed 2,000 cubic feet of gas per barrel of oil.

Five New Drill Permits Issued.

Five drilling permits were issued by the State Conservation Department:

The Lion Oil Refining Company obtained permits for the Marvin No. 1, 380 feet south and 315 feet west of the northeast corner of lot seven in the southwest quarter of Section 7-18-17, and the Clarence No. 1, 330 feet north and 330 feet east of the southwest corner of lot seven in the southwest quarter of Section 7-18-17, both in Union county.

F. W. Burford obtained permit for the E. B. Mitchell No. 1, 330 feet from the south line and equidistant from the east and west lines of the east half of the west half of the southwest quarter of Section 2-20-28 in Miller county.

The Texarkana Drilling Company obtained permit for the W. W. Capps No. 1, 872 feet west and 330 feet south of the northeast corner of the north half of the northwest quarter of the northeast quarter of Section 10-20-28 in Miller county.

S. H. Killingsworth obtained permit for the J. P. Greer No. 1, 330 feet south and 334 feet west of the northeast corner of the southwest quarter of the northwest quarter of Section 11-20-28 in Miller county.

Logs were filed by F. W. Burford for the Mary O. Ahern No. 2, by Isadore Roosth for the W. W. Capps No. 1 and by Freda Lasse Layton for the McKellar estate A-2 test, all in Miller county.

Oil Activity Spurts Throughout Shreveport Area.

Shreveport, La., May 29.—Completion of a Permian lime wildcat—the Phillips No. 1—in South Arkansas, increased activity around the deeper pay discovery at Blue Lake, Sabine parish, probable extensions of three fields and favorable showing by a wildcat in the DeSoto parish held the spotlight of Shreveport operators as the week closed.

The Phillips No. 1 of the Standard of Louisiana flowed an average of 76 barrels hourly on its first five-hour test, flowing through a 3-8 inch choke. The basic sediment was 8.3 per cent and wash water, 1.2 per cent, with gravity

of 37 degrees, the same as the Kerr-Lynn discovery well, five miles westward. Operators, however believe there is no connection between the two wells. The gas-oil ratio was 1,200 cubic feet to a barrel of oil, with closed in casing pressure 2,190 pounds and tubing, 1,825 pounds.

The well was taken to 7,603 feet after showing favorably in both the Travis Peak and the Glen Rose formations. The well is located on the Schuler-Buckner trend, as is the Kerr-Lynn producer at Magnolia, all producing from the Permian. The former heavy buying play is expected to be renewed.

Four New Locations Staked.

As an offset well spudded, four new locations were staked in the Blue Lake area, for testing the new 4,200-foot sand from which Sutton Oil Company's Sabine 1, section 23-7-14 continued to flow steadily at the rate of about 40 barrels hourly on 3-8 inch choke through drill stem.

F. W. Martin spudded Sabine 1, section 23-7-14, an east offset; Sutton Oil Company made locations for Bowman-Hicks 1, SW SE 14-7-14, quarter mile northwest and Bowman-Hicks 2, SW NW 24-7-14, half mile southeast; Lee Whitehurst for Sabine 1, SE SE 14-7-14 and F. B. King for Sabine 1, NW NW 19-7-13, mile and a half east. A tentative spacing rule of one well to 40 acres has been set for the area.

Testing was under way at Union Producing Company et al's Coleman 1, section 30-20-5, 3-4 mile northwest outpost in the Sugar Creek area, Claiborne parish, in which casing was perforated in Travis Peak sand from 5,798 to 5,804 feet and showing estimated at 30-40 million feet of gas and a spray of oil.

At Lisbon, Claiborne parish, E. T. Oakes et al were testing a two-mile northwest outpost at Kilgore 1, section 28-21-4, bottomed at 5,313 feet with 13 feet of saturated lime reported. It would mark the first major extension of the area in several months and would open considerable new territory.

On the northeast side of the Cotton Valley field, Webster parish, H. L. Hunt extended Holloway (Travis Peak) sand production at the 5,700-foot level 3-4 of a mile with completion of the Webb No. 3, section 13-21-10, flowing 41 barrels hourly through 24-64 inch choke. It is the 12th Holloway sand well for the field. Hunt has staked four new locations in the field.

One and three-quarters miles southeast of production in the field, close attention was held by Staholind Oil & Gas Co.'s Pardee No. 1, section 36-21-10, as it cored ahead in the Bodcaw (Lower Marine) gas-distillate zone past 8,615 feet. The well already has logged 14 feet of saturation in this horizon.

North of Logansport, DeSoto parish, and four miles northwest of three Glen Rose gas-distillate producers across the Texas line in Shelby county, the Hunter Company's Parker 1, section 26-12-16, cored past 5,120 feet after logging gas and distillate saturation in two upper levels of the Glen Rose. The well has casing, tubing and a Christmas tree on the location.

In the Shongaloo area, Webster parish, Magnolia Petroleum Company et al were running seven-inch casing to bottom at 10,562 feet in Sexton 1, section 32-23-9, for testing favorable showings in upper sections of the Lower Marine. Gulf Refining Company's Goodpine 1, section 25-14-8, Bienville parish wildcat, drilled ahead past 10,075 feet, marking the fifth well in the North Louisiana-Arkansas area to go below the 10,000-foot mark.

Union Parish Wildcat Planned.

In Union parish, C. W. Robinson et al are taking a new wildcat block around section 35-23-2 east, northeast of Marion. In the same parish, Lyone and Neely have assigned to the Tidewater

Associated a 4,000-acre block centering around section 8-21-1 west.

In DeSoto parish, north of Pelican, where several shallow wells and a deep test have been drilled, G. H. Collins of Houston, Tex., has staked location for a new wildcat at Joyner No. 1, SW NE section 28-11-12.

In Miller county, Arkansas, at Ravana, four miles north of nearest Rodessa production, McAlister Fuel Oil Company has made location for a 6,500-foot test in section 29-19-28. The acreage extends into Cass county, Texas.

OIL NEWS

Shuler Field Continues To Grow Steadily

Special to the Gazette. 6-5-38

El Dorado, June 4.—Three completions in the Jones sand and one in the

Reynolds lime this week brought to 62 the number of producers in the Shuler oil field west of El Dorado.

The lime producer is the Justiss No. 3 test of the Phillips Petroleum Company in section 18-18-17, the third in that formation. One of the Jones sand producers was the Marine No. 5 test of the Phillips Company in section 20-18-17 and the others were the Mayfield No. 2 and the Marcus No. 1 of the Lion Oil Refining Company, both in section 18-18-17.

The Justiss No. 3 was completed through casing perforations from 7,646 to 7,655 feet with production estimated at 200 barrels per day with gas-oil ratio of 600-to-1. Casing was set at 7,800 feet after the well was drilled to 8,327 feet for a new state record. Oil saturation had been cored from 7,604 to 7,671 feet.

The Marine No. 5 was completed as a producer of 200 barrels daily through casing perforations from 7,530 to 7,560 feet after casing was set at 7,650 feet. The sand was cored from 7,510 to 7,573 feet.

The completions of the Lion Company are offsets to the Mayfield No. 1 test and extend production slightly to the northwest. They were termed two of the largest producers in the Shuler area. The Mayfield No. 2 had initial flow of 100 barrels per hour on a quarter-inch tubing choke. The Marcus test was slightly better with initial flow of 125 barrels hourly on a quarter-inch choke. Both tests encountered the sand at about the same level, the Marcus test from 7,519 to 7,621 feet and the Mayfield test from 7,528 to 7,627 feet. Casing was set in the Marcus test at 7,635 feet and pipe perforated from 7,574 to 7,594 feet and pipe was set at 7,640 feet and perforated from 7,573 to 7,593 feet in the Mayfield test.

No other completions are expected in the Shuler area for more than a week. Next test expected to reach the sand is the Mayfield No. 3 of the Lion Company in section 18-18-17, drilling below 7,500 feet, which will start coring this week-end. The Nelson No. 1 of the Lion, also in section 18-18-17, is drilling below 7,200 feet.

The Morgan B-6 of the Lion in section 18-18-17 is drilling below 5,500 feet; the Marvin No. 1 in section 7-18-17, below 3,200 feet; the Mayfield No. 4 in section 18-18-17, below 4,000 feet, and the Clarence No. 1 in section 7-18-17, below 2,300 feet. Derrick is being erected for the Dee No. 1 in section 17-18-17 and location was made for the Mayfield No. 5 in the northeast corner of lot two in the northwest quarter of section 18-18-17.

The Phillips Company is drilling below 7,500 feet in the Marks No. 3 Reynolds lime test in section 18-18-17. It is expected that operators will not core in the Jones sand. The same company is moving in derrick for the Marks No. 4 test in the same section.

Jones, Murphy and Hurley are drilling below 6,350 feet in their Rodgers No. 1 test, an east outpost in section 16-18-17 and are drilling below 3,000 feet in the Murphy Land Company A-3 test in section 19-18-17.

The Alice Sidney Oil Company is drilling below 2,300 feet in the Powledge No. 4 test in section 7-18-17. The Atlantic Refining Company is drilling below 3,150 feet in the Dumas No. 1 test in section 21-18-17.

R. T. Adams is building derrick on the Powledge No. 1 test in section 7-18-17, formerly known as the B. F. Justiss No. 1. Roberts and Murphy have set surface casing in their C. D. Justiss No. 1 test in section 7-18-17.

Village Area Still in Limelight. Aside from the Shuler field, the Village area of Columbia county continues to attract considerable interest of the oil fraternity. The recently completed Phillips No. 1 test of the Standard Oil Company in Section 15-17-19 continues to produce 200 barrels daily on a small choke. It was necessary for operators to experiment with various chokes before the well could be pinched down to the 200 barrels daily allowable.

Although no new permits have been issued for wells, it is reported that the Fohs Oil Company of Houston, Tex., plans to drill an offset southwest of the discovery well.

In the Buckner area of Columbia county the Standard Company is drilling below 5,600 feet in the McKean No. 2 test in Section 7-16-22. In Hempstead county H. D. Easton and associates are drilling below 3,200 feet in black shale in the LaGrone No. 1 test in Section 5-12-16.

New Miller County Test Planned.

Interest in the Garland City area of Miller county is being revived, as indicated by the location of a new test in that area by the Red River Valley Oil Company, the Harold Beck No. 1 in the northwest corner of the southeast quarter of the northeast quarter of the section.

Four drilling permits, two to plug and abandon old tests and one to change name and location of a well have been issued by the state Conservation Department.

Edwin M. Jones obtained permit to drill the Levi Rodgers No. 2 test 330 feet south and 330 feet east of the northwest corner of the southwest quarter of the southwest quarter of Section 16-18-16 and the Murphy Land Company A-4 test 330 feet north and 330 feet east of the southwest corner of the southeast quarter of the northeast quarter of Section 19-18-17, both in Union county.

The Arkansas-Southern Oil Company obtained permit to drill the Simmons A-3 test, 330 feet south and 330 feet east of the northwest corner of the northeast quarter of the northwest quarter of Section 15-18-13.

The Alice-Sidney Oil Company obtained permit to drill the Nancy E. Powledge No. 4 test, 330 feet north and 330 feet east of the southwest corner of the northwest quarter of the southeast quarter of Section 7-18-17 in Union county.

The Phillips Petroleum Company obtained permit to plug and abandon the Marsden No. 1 test, 330 feet south and 662 feet west of the northeast corner of the southwest quarter of Section 9-16-11 in Bradley county.

Earl Patterson obtained permit to plug and abandon the Garland No. 1, 150 feet south and 150 feet east of the northwest corner of the northeast quarter of the northeast quarter of Section 23-10-25 in Hempstead county.

Permit issued to R. T. Adams for the C. D. Justiss No. 1 was changed to the F. W. Powledge No. 1 and location was changed to 330 feet south and 330 feet west of the northeast corner of lot two in the southwest quarter of Section 7-18-17 in Union county.

Logs were filed by the Lion Oil Refining Company for the Edna No. 1 and Edna No. 2 tests; by Alice Sidney Oil Company for the Powledge No. 2 and the Powledge No. 3 tests and by Edwin M. Jones for the Murphy Land Company, A12 test, all in Union county and by the Phillips Petroleum Company for the Marsden No. 1 test in Bradley county.

Review of Arkansas Oil Fields

One Well in Shuler Field Now Coring

Four Producers "In" Past Week; Two New Tests Announced. Democrat 6-5-38

El Dorado.—Following completion during the early part of the week of four producers in the Shuler field, another "waiting period" was in effect for field followers as drilling operations were in progress on a number of tests.

The week's completions brought to 62 the number of producing wells at Shuler. Three Jones sand wells and one big lime formation well were completed to make 48 of the former and three of the latter to add to 11 producers in the Morgan shallow sand.

Two of the new producers were completed by the Phillips Petroleum Company in the Justiss No. 3 and the Marine No. 5, and two were by the Lion Oil Refining Company in the Mayfield No. 2 and the Marcus No. 1.

Two new tests were announced for the field during the week and drilling operations were started on several others.

Only one well is now coring near the pay sand. This well is the Mayfield No. 3 of the Lion Oil Refining Company, in section 18-18-17, which encountered the sand at 7,552 feet and is coring ahead below 7,564 feet. It is expected that coring will be continued over the week-end with final testing in about a week.

The Lion is also nearing the coring stage in the Nelson No. 1, section 18-18-17, drilling below 7,330 feet.

The Phillips Petroleum Company is drilling below 7,576 feet in its Marks No. 3, lot two, southwest quarter of section 18-18-17, to be drilled to the big lime. It is probable that operators will not core in the Jones sand.

In the Village area of Columbia county the Phillips No. 1 test of the Standard Oil Company continues its big production. It is reported that it was necessary for operators to

pinch the well down to a 3-64-inch tubing choke to hold the production within the 200 barrels daily allowable.

The Fohs Oil Company of Houston, Tex., has announced plans to drill an offset southwest of the discovery well, but no permit has been issued. The Standard Company has also announced plans for three offsets.

Saturday's drilling report follows: Lion Morgan B-6, SW, NW, SE, 18-18-17, drilling below 5,626 feet. Lion, Mayfield No. 3, lot 1, NW 18-18-17, coring in Jones sand below 7,564 feet. Lion, A. Nelson No. 1, lot 6, SW 18-18-17; drilling below 7,330 feet. Lion, Mayfield No. 4, center lot 3, NW 1-4, 18-18-17; drilling at 4,359 feet. Lion, Clarence No. 1, lot 7, SW 7-18-17; drilling below 2,300 feet. Lion, Dee No. 1, SW NW 17-18-17; moving in rig. Lion, Marvin No. 1, NEC, lot 7, SW 7-18-17; drilling below 3,990 feet. Lion, Mayfield No. 5, NEC, lot 2, NW 18-18-17; building derrick.

Marine, Callaway No. 1, S 1-2 lot 4, NW 18-18-17; setting surface casing.

Alice Sidney, Powledge No. 4, SW, NW, SE 7-18-17; drilling at 2,278 feet.

Phillips, T. P. Marks No. 3, lot 2, SW 1-4, 18-18-17; drilling at 7,576 feet. Phillips, Marks No. 4, SW, lot 2, SW 18-18-17; rigging up. Jones, Murphy and Hurley, C. H. Murphy No. 2, lot 6, NW 1-4, 19-18-17; permit issued. Jones, Murphy and Hurley, Rodgers No. 1, SW, SW, SW 16-18-17; drilling at 6,463 feet. Jones, Murphy and Hurley, Murphy Land Co. A-3, NEC, SE, NE, 19-18-17; drilling at 3,552 feet.

Atlantic Refining Company, B. M. Dumas No. 1, NWC, NE, NW, 21-18-17; drilling below 3,875 feet.

L. H. Simpson, Kate Powledge, SW, S 1-2, NW, SW, 8-18-17; location made.

N. F. Wilson, B. F. Justiss No. 1, on 2.57-acre tract in NE, SW, 8-18-17; permit issued.

R. T. Adams, F. W. Powledge No.

1, NEC, lot 2, SW 1-4, 7-18-17; building derrick.

Roberts and Murphy, C. D. Justiss No. 1, SE corner, lot 6, SW quarter section 7-18-17; drilling below 1,040 feet.

Review of Arkansas Oil Fields

Cotton Valley Deep Well in New Horizon Democrat 6-12-38 Development Important —Magnolia, Ark., May Get Pipeline.

Shreveport, La.—Discovery of 39.5 gravity crude oil on the flank of the lower Marine 8,000-foot horizon of the Cotton Valley structure, Webster parish, and addition of the first lower Marine gas-distillate producer in the old Shongaloo shallow field of the same parish, featured oil development the past week in north Louisiana.

The first real oil in the lower Marine at Cotton Valley was found in Stanolind Oil and Gas Company's No. 1 Pardee Company, section 36-21n-10w, one and three-quarters miles southeast of nearest gas-distillate production in the same horizon. This extension well was completed at 8,635 feet, flowing 25 barrels of 39.5 gravity oil per hour through 46-64-inch tubing choke, with 1,550 pounds casing pressure and tubing pressure zero. Later, in the well was shut in and when reopened Wednesday flowed 98 barrels in a 45-minute test through casing but Thursday the well was being rocked with gas in an effort to make it flow through tubing. The oil is sweet and is of green-yellowish color.

Oil men regard finding of oil 570 feet down dip at Cotton Valley without any sign of water as the most important development in north Louisiana since discovery of oil at Rodessa in July, 1935, not only because it makes the flanks of the Cotton Valley structure potentially productive, but indicates other similar structures in this territory will be found to carry oil in the lower Marine on the flanks.

This was Stanolind's first test at Cotton Valley and the well is on a 720-acre lease secured several months ago. Other lower Marine zone wells at Cotton Valley yield gas and distillate, but the Travis Peak at 5,600-5,800 feet yields oil but is rather lenticular.

Gas-distillate production at Shongaloo was found in Magnolia Petroleum Company's No. 1 Frank Sexton, section 32-23n-9w, Webster parish, completed after perforating with 40 shots at 8,990 to 9,010 feet, making 263 barrels of 54 gravity distillate and two and one-half million feet of gas daily through tubing.

The Hunter Company's No. 1 Parker, section 26-12n-16w, DeSoto parish wildcat, five miles northeast of three Glen Rose gas-distillate wells in Shelby county, Tex., proved disappointing when gauge was made during the last week after showing for a large wet gasser the week before. The well gauged only 4,250-000 cubic feet in a potential test, and is shut in waiting another gauge. Meanwhile, negotiations are reported between the owners and a potential purchaser of the well and surrounding acreage. Five miles northwest of this well, S. S. Alexander of Fort Worth had acidized and resumed testing in the Glen Rose at the 5,400-foot level in No. 1 Stell, section 5-12n-16w.

The Rodessa field has passed its one-thousandth well and continues to add about four or five wells weekly but most of them are on the Marion county, Tex., side of the field at present with a few added from time to time in Arkansas. The Louisiana side, although having 458 of the first 1,000 wells, has no drilling operations at present. Texas is close behind Louisiana with 450 wells and Arkansas has 92. The per well average for the entire field is 84 barrels. Union Producing Company (United) owns the largest number of wells in the field with 249.

The Lisbon field added five new wells during the last week. E. T. Oakes and associates have cleaned casing hole at No. 1 Kilgore, section 28-21n-5w, one and one-half mile northwest outpost at Lisbon that logged 13 feet of saturation, and have resumed testing. Total depth is 5,313 feet.

Two new locations were made last week for offsets to the recently completed Permian lime oil well of Standard Oil Company of Louisiana, at Village, Columbia county, Ark.

One of the new locations was by Standard Oil Company of Louisiana, which has three other offsets to drill to its recently completed No. 1 W. P. Phillips, section 15-17-19, and the other was by the Fohs Oil Company of Houston, Tex. Fohs' new test, which is rigging up, is on the W. P. Phillips land and is a southwest offset, while Standard of Louisiana's new test, where derrick is up, is No. 1 Tena Crumpler, center sw, nw, section 15-17-19, a west offset. Fohs' location is in nw, sw, nw, of this section.

OIL NEWS

Three Shuler Wells Reach Oil Strata

Special to the Gazette. 6-12-38

El Dorado, June 11.—Although no new producers were completed in south Arkansas this week, interest of the oil fraternity continued to be divided between the Shuler area of Union county, where two wells have cored the Jones sand and another is coring the Reynolds lime, and the Village area of Columbia county, where locations have been made for off-set tests to the recently completed Phillips No. 1 producer of the Standard Oil Company.

In the Village area the Standard Oil Company is erecting derrick for the Crumpler No. 1 test in the southwest quarter of the northwest quarter of Section 15-19-17, a west off-set to the company's discovery well. The Fohs Oil Company of Houston, Tex., is erecting derrick for the Phillips No. 1 test in the northwest quarter of the southeast quarter Section 15-17-19, south of the Crumpler test and southwest of the discovery well.

The Standard Oil Company is reported planning to drill several other tests in the area but no locations have been made.

In the Shuler area the Lion Oil Company is coring ahead to the lime on tests for a thorough test of the formations after coring heavily saturated oil sand in the Jones strata. In the same area the Phillips Petroleum Company is coring ahead in the Reynolds lime in another test.

In the Mayfield No. 3 test in Section 18-18-17, the Lion company cored 91 feet of heavily saturated oil sand from 7,543 feet and are coring below 7,700 feet in the lime formation with top of the lime at 7,658 feet. The test is scheduled to be completed in the Jones formation.

In the A. Nelson No. 1 test in the same section the Lion company is coring in the Jones sand below 7,611 feet with

top of the formation encountered at 7,534 feet. Coring will be continued to the lime formation, but the well will be completed in the Jones sand.

On its Marks No. 3 test in Section 18-18-17 the Phillips company is coring in the Reynolds lime below 7,884 feet after encountering top of the formation at 7,617 feet.

Lion Makes Two New Locations.

The Lion company is drilling on six additional tests, one to be completed in the lime, and has made location for two more. The Morgan B-6 in Section 18-18-17 is drilling below 8,064 feet; the Mayfield No. 4 in Section 18-18-17 (scheduled for a lime producer), below 5,524 feet; the Marvin No. 1 in Section 7-18-17, below 5,309 feet; the Clarence No. 1 in Section 7-18-17, below 4,635 feet; the Mayfield No. 5 in Section 18-18-17, below surface casing and the Dee No. 1 in Section 17-18-17 is waiting on surface casing.

The two new locations of the Lion are the Marcus No. 2 in southeast corner of lot three in the southwest quarter of Section 18-18-17 and the Marcus No. 3 in the southwest corner of lot five of the northwest quarter of Section 18-18-17. The Phillips company also is drilling below surface casing on the Marks No. 4 test in Section 18-18-17.

Jones, Murphy and Hurley are drilling below 7,050 feet in the Rodgers No. 1 test, an eastern outpost in Section 16-18-17 and below 4,501 feet in the Murphy Land Company A-3 test in Section 18-18-17.

The Atlantic Refining Company is drilling below 5,439 feet in the Dumas No. 1 test in Section 21-18-17. The Alice Sidney Company is drilling below 3,500 feet in the Powledge No. 4 test in Section 7-18-17. The Marine Oil Company is drilling below 2,000 feet in the Calloway No. 1 test in Section 18-18-17. Roberts and Murphy are drilling below 2,050 feet in the C. D. Justiss No. 1 in Section 7-18-17. R. T. Adams is drilling below 1,650 feet in the Powledge No. 1 test in Section 7-18-17.

New Barnett Area Well Reported.

In the Buckner area of Columbia county the Standard Oil Company is drilling below 6,835 feet in the J. P. McKean No. 2 test in Section 7-15-22. In the same county in the Magnolia area Russ and associates of Dallas are reported to have staked location for a well to be drilled in the Barnett area with drilling expected to start soon.

Northwest of Magnolia, trading is reported active in the vicinity of a well drilled several years ago by E. O. Olds. It is reported that the Olds test may be deepened and another test drilled.

The Arkansas state Conservation Department has issued six permits for new tests and one to plug and abandon on an old test.

The Marine Oil Company obtained permit to drill the Calloway No. 1 test, 330 feet north and 330 feet west of the southeast corner of the south half of lot four in the northwest quarter of Section 18-18-17 in Union county.

The Red River Valley Oil Company obtained permit to drill the Harold Beck No. 1 test, 330 feet east and 330 feet south of the northwest corner of the southeast quarter of the northeast quarter of Section 34-15-26 in Miller county.

The Phillips Petroleum Company obtained permit to drill the T. P. Marks No. 4 test, 330 feet north and 330 feet east of the southwest corner of lot two in the southwest quarter of Section 18-18-17 in Union county.

The Fohs Oil Company of Houston, Tex., obtained permit to drill the W. P. Phillips No. 1 test, 660 feet south and 660 feet east of the northwest corner of the northwest quarter of the southwest quarter of Section 15-17-19 in Union county.

The Lion Oil Refining Company obtained permit for the Mayfield No. 5 test, 330 feet south and 330 feet west of the northeast corner of lot two in the northwest quarter of Section 18-18-17 in Union county.

The Columbia Fuel Corporation obtained permit to plug and abandon the Victoria Cross No. 1 test, 1,916 feet north and 600 feet east of the southwest corner of Section 34-8-3 in Desha county.

Logs were filed for the following wells: Fee No. 5 and Fee No. 6 of the Marine Oil Company in Union county; Marcus No. 1 and Mayfield No. 2 of the Lion Oil Refining Company in Union county; E. B. Mitchell C-1 of John Kraker, E. B. Mitchell No. 2 of the B. B. Orr et al. and the E. B. Mitchell No. 2 of the Gerig Company of Arkansas, all in Miller county; Bryan and Khilling No. 1 of the Ozark Natural Gas Company in Franklin county; the S. T. Crone No. 1 test of the Columbia Fuel Corporation in Desha county.

tions, one in the Jones sand and the other in the Reynolds lime, were recorded in the Shuler area west of El Dorado this week after a two-week period in which no producers were completed.

The Shuler area shared attention with the Buckner area of Columbia and Lafayette counties, where the Standard Oil Company is waiting on casing for final testing of its McKean No. 2 in 7-16-22, expected to be completed as a producer this week-end.

First completion was the Mayfield No. 3 of the Lion Oil Refining Company in the northeast corner of the west half of Lot 1 in the northwest quarter of Section 18-18-17, completed as a Jones sand well with initial flow of 100 barrels per hour, on a quarter-inch choke. The test was completed through casing perforations from 7,595 to 7,615 feet after pipe was set at 7,720 feet. The sand had been cored from 7,552 to 7,643 feet.

The second completion was the Marks No. 3 of the Phillips Petroleum Company in the center of Lot 2 in the southwest quarter of Section 18-18-17, completed in the Reynolds lime. Casing was set at 7,784 feet after heavy oil saturation had been cored in the lime from 7,602 to 7,684 feet.

64 Wells Now Producing.

The Lion completion was the forty-ninth in the Jones sand and the Phillips completion was the fourth producer in the Reynolds lime. There are also 11 producers in the Morgan sands, making a total of 64 producers in the Shuler area.

The Lion company is waiting on casing for final testing of its A. Nelson No. 1 in Section 18-18-17 and Jones, Murphy & Hurley are waiting on casing for final testing of their Rodgers No. 1 well in Section 16-18-17, both in the Jones sand. The Nelson test encountered the sand from 7,534 to 7,629 feet and pipe was set at 7,691 feet. Completion is expected early next week. Casing was set Thursday on the Rodgers test at 7,635 feet after the Jones formation had been cored from 7,570 to 7,612 feet.

The Rodgers test is the farthest east test drilled in the Shuler field and its completion, expected about the middle of next week, will extend production about a quarter of a mile to the east.

The Lion company is drilling ahead on six other tests in the field and is rigging up on two others. They are the Morgan B-6, drilling below 6,815 feet; the Mayfield No. 4, below 6,278 feet, and the Mayfield No. 5, below 2,357 feet, all in Section 18-18-17; the Clarence No. 1, below 5,738 feet, and the Marvin No. 1, below 6,040 feet, both in Section 7-18-17, and the Dee No. 1 in Section 17-18-17, below 2,620 feet. Rigging up is under way on the Marcus No. 2 and No. 3 tests in Section 18-18-17.

The Phillips company is drilling below 2,400 feet on the Marks No. 4 test in Section 18-18-17; the Marine Oil Company, below 4,152 feet on the Calloway No. 1 in Section 18-18-17; the Alice Sidney Oil Company, below 5,450 feet on the Powledge No. 4 in Section 7-18-17; and Jones, Murphy & Hurley, below 5,600 feet on the Murphy Land Company A-3 test in Section 19-18-17.

The Atlantic Refining Company is drilling below 6,517 feet on the Dumas No. 1 test in Section 21-18-17; R. T. Adams, below 3,595 feet on the F. W. Powledge No. 1 test in Section 7-18-17, and Roberts & Murphy, below 4,426 feet on the C. D. Justiss No. 1 test in Section 7-18-17.

The Standard is drilling below surface casing on the Crumpler No. 1 test in Section 15-17-19 in the Village area of Columbia county near the Union county line. In the same area the Fohs Oil Company is preparing to start drilling on the Phillips No. 1 test in the same section.

Shell Farms Out Leases.

The Shell Petroleum Corporation has farmed out its 92-acre Garrett lease in Section 14-17-20 in the Magnolia area of Columbia county to G. H. Vaughan with the transaction reported to include the drilling of two tests to the 7,600-foot Permian lime horizon, one within 30 days and the other within 60 days.

In the Franklin county gas area the Ozark Natural Gas Company completed the Bryan and Khilling No. 1 test in Section 20-8-29 for a gas well at 2,600 feet. Gas sand was logged from 2,553 to 2,560 feet and initial production was 1,890,000 cubic feet of gas daily.

A special meeting of the state Conservation Board will be held Monday, June 27, to hear evidence to determine whether there is any waste of crude oil or natural gas in the state or is reasonably imminent. A. M. Crowell, chief agent, has announced. The board also will hear evidence to determine the daily amount of oil and gas that may be produced without waste from the various fields.

Five Drill Permits Issued.

Permits to drill five new tests were issued this week by the Conservation Department.

The Lion Oil Refining Company obtained permits to drill the Marcus No. 2 test, 330 feet north and 330 feet west of the southeast corner of Lot 3 in the southwest quarter of Section 18-18-17 and the Marcus No. 3, 330 feet north and 330 feet east of the southwest cor-

ner of Lot 5 in the northwest quarter of Section 18-18-17, both in Union county.

F. W. Burford obtained permit to drill the H. J. Mitchell No. 2 test, 330 feet south and 330 feet east of the northwest corner of the northeast quarter of Section 11-20-28 in Miller county.

The Standard Oil Company obtained permit to drill the Tena Crumpler No. 1 test, 660 feet north and 660 feet west of the southeast corner of the southwest quarter of the northwest quarter of Section 15-17-19 in Columbia county.

The Modisett Drilling Company obtained permit to drill the Union Saw Mill Company No. 2 test, in the center of the southwest quarter of the northeast quarter of Section 8-18-12 in Union county.

Logs were filed by the Phillips Petroleum Company for the Lewis Rosen No. 1, the Marine No. 2, the Marcus Justiss No. 4 and the Marine No. 4 tests in Union county; by F. W. Burford for the H. J. Mitchell No. 1 test in Miller county; by Gordon C. Grasty for the E. B. Mitchell No. 2 test in Miller county and by the Texas Canadian Oil Corporation for the J. N. Thomas No. 2 test in Miller county.

Review of Arkansas Oil Fields

Oil Men Plan Deep Wells in Tri-State Area

Democrat 6-19-38
Interest in Arkansas Is Spurred by Visit of Standard Officials.

Shreveport, La.—Spurred by recent developments in the lower Marine horizon at Cotton Valley and Shongaloo, both in Webster parish, Louisiana, Magnolia Petroleum Co., during the last week started moving in materials for an 8,500 to 9,000-foot test, No. C-1 Pardee, Center NW NE section 17-23n-11w, Bossier parish, north of the shallow Cartersville oil and gas field, and a geophysical high. This block was assembled several months ago.

Discovery of oil one and three-quarter miles southeast of former production at Cotton Valley in the lower Marine which heretofore has produced gas and distillate below 8,000 feet in the lower Marine, has given impetus to leasing on the other flanks of Cotton Valley, and to exploration of the flanks of other areas producing from shallower strata. Standard Oil Company of Louisiana and Hunt Oil Company have been adding to their holdings on the northeast of the Cotton Valley field. The extension well at Cotton Valley is Stanolind Oil and Gas Company's No. 1 Pardee Company, section 36-21n-10w, completed at 8,635 feet in the Bodcaw series of the lower Marine.

The well continued testing during the last week after showing for 25 barrels per hour the week before it has so far refused to flow through tubing although producing as high as 67 barrels per hour through the casing. The gravity of the oil at first 39.5 has now risen to 41.5, Beaume.

Magnolia Petroleum Company, whose No. 1 Frank Sexton, section 32-23n-9w, opened lower Marine gas distillate production at Shongaloo when casing was perforated from 8,990 to 9,010 feet, is preparing to move immediately to another location there, one mile south of present well, the new test to be No. 1 H. M. Branton, NE NE section 6-22n-9w. This lease expires in August, hence the necessity of early operations thereon.

Gulf Has Wildcat Test.

Gulf Refining Company's deep wildcat test in Bienville parish, No. 1 Goodpine Oil Company, section 25-14n-8w, continued to drill ahead last week below 10,539 feet in hard gray sand. Union Producing Company's No. 2 Brownfield, section 5-19n-5w, deep test in the Sugar Creek district, Claiborne parish, continued to drill out cement after plugging back to 10,500 feet. Standard of Louisiana and Joe Modisett continued to cut out hung drill stem in No. 1 Frost Lumber Company, section 14-21n-1e, deep wildcat test in Union parish in the southeast "trend" from Shuler. Total depth is 9,637 feet, 25 feet in the Permian lime.

Shuler Field Holds Interest.

Indications of quarter-mile extensions of the Buckner field and the Shuler field, with indications of additional activity at the Magnolia and Village newly opened areas, featured activity last week in Arkansas.

Standard of Louisiana's No. 2 J. P. McKean, Center SW SE section 7-16-22, Lafayette county, Buckner area, was preparing to drill plug and test

in Permian lime at total depth of 7,257 feet, after seven-inch casing was cemented at 7,196 feet. This test, which logged practically the same amount of saturated lime as the other three Buckner producers of Standard, is slightly over one-fourth mile west of nearest production and will extend production across the Columbia county line into Lafayette county. The only other Buckner operation in Lafayette county was to the southwest and was abandoned as a failure.

One-fourth mile east of production in the Shuler field, Union county, Jones, Murphy and Hurley's No. 1 Rodgers, SW SW section 16-18-17, gave indications of being a producer in the lower Marine (Jones sand) which was logged from 7,570 to 7,612 feet. Casing was being run. Total depth is 7,635 feet.

Standard of Louisiana has spudded and cemented 226 feet of surface casing in No. 1 Hena Crumpler, C SW NW section 15-17-19, offsetting its recently completed No. 1 W. P. Phillips in the same section that opened Village as a Permian lime oil producing field. Standard also made another location, No. 1 L. Harris, C NE SW section 15-17-19. Another offset to the discovery must also be drilled by Standard.

Standard Officials Make Tour.

Standard is reported to be looking toward the farming out of considerable independents. Joe Modisett, who has been associated with Standard in a number of operations in the past, has been linked in rumors with some of these farm-out operations. A number of Standard officials from New York visited the Shreveport territory last week, probably in connection with plans for development in this territory.

Joe Modisett is ready to spud his No. 1 Union Sawmill Co., SW NE section 8-18-12, Union county wildcat near Strong, which is located on a geophysical high. Modisett is also rigging for a wildcat test for Tenn-Ark Oil Company in Craighead county, near Jonesboro.

The Shuler field, Union county, added its 49th Jones sand (lower Marine) oil well last week. Its fourth Permian lime producer is looming in Phillips Petroleum Company's No. 3 Marks, section 18-18-17, which at total depth of 7,784 feet is ready to test, after logging Permian (Reynolds) lime from 7,608 to 7,684 feet. This horizon now has two oil wells and one gas-distillate producer. The daily average per well in the Jones sand is now 153 barrels, while the two oil wells in the Permian are averaging 308 barrels daily and the gas-distillate well 475 barrels of distillate. The average of 11 Morgan sand (Travis Peak) is 1,245 barrels combined or a per well average of 113 barrels.

Texan to Drill.

Grady H. Vaughan of Dallas is expected to start moving on immediately for the first of two tests to be drilled on a 92-acre "farm out" he secured from Shell Petroleum Corporation in the Magnolia, Columbia county, Permian lime oil producing area, recently opened by Kerr-Lynn Oil Company in section 14-17-20. Vaughn's first location will be No. 1 Garrett NE SE section 12-17-20.

Standard Oil Company of Louisiana, which has been very active recently around section 34-17-13, Union county, is reported to have secured considerable deeper horizon rights on acreage in that vicinity held by others. McCresslin Oil Company is among those mentioned as having traded Standard on deeper horizon rights. Seven companies, all majors, have seismic units working in Union county in townships 16, 17 and 19, ranges 12 and 13.

Phillips Petroleum Company is expected to announce location soon for a test in the Mount Holly area around section 4-17-18 and two other companies are reported contemplating starting early operations there.

OIL NEWS Shuler Market Expands, New Wells Planned

6-26-38

Special to the Gazette.

El Dorado, June 25.—Two new producers were added in the Jones sand of the Shuler field the past week, but major interest was claimed by the Atlas Pipe Line Company's announcement that it would buy 80,000 barrels of "underage" crude and "take" approximately 8,000 barrels from the field daily, and the Phillips Petroleum Company's announcement of plans for drilling 13 new wells.

The "underage" crude represents oil not taken by the Lion and Root companies. The Atlas company will take 84,156 barrels at the rate of 10,519 barrels daily. There was an "underage"

for the field during May of 45,770 barrels, including 19,237 barrels credited to the Phillips company, which is not in the Atlas purchase. It has been estimated the June "underage" will be 57,623 barrels.

The Atlas started taking the "underage" oil yesterday and is expected to complete the take this month. The oil is brought to El Dorado through the Lion's pipeline and thence delivered to the Atlas refinery at Shreveport through another pipeline.

The Atlas Company's purchase of approximately 9,000 barrels of Shuler crude daily on a permanent basis will start July 1. This purchase along with those of the Lion and Root companies is expected to absorb all the production of the field. The Lion company takes only that oil produced on its own or jointly operated leases, while the Root company takes approximately 4,000 barrels daily.

The Phillips' company's extensive drilling campaign was revealed after the Atlas announcement assured a market for all present production. Drilling of the 13 announced wells is expected to bring at least 14 offset wells, making 27 wells to be drilled. The first 13 wells will make practically a "ring" around the present field.

Along with the Phillips' announcement, reports were circulated that the company may build a pipeline from Shuler to Smackover to connect with storage facilities the company owns there or for shipping the crude down the Ouachita river by barge. Another report was that the company may build a pipeline from the field to connect with an existing line of a major company. It also has been rumored that the Phillips company would build a refinery here or near the Shuler field. Officials of the Alice Sidney Oil Company have denied they contemplate building a refinery on the Wesson highway southwest of El Dorado, as rumored.

Two New Wells In.

First completion of the week in the Shuler field was the Alice Nelson No. 1 test of the Lion Oil Refining Company in NW L6 SW 18-18-17, whose initial flow was 100 barrels per hour through a half-inch choke. Casing was perforated from 7,582 to 7,604 feet with 125 shots after casing had been set at 7,691 feet. The Jones sand was cored from 7,534 to 7,629 feet.

Second completion was the Rodgers No. 1 test of Jones, Murphy and Hurley, completed Wednesday night for a producer of 102 barrels per hour on a quarter-inch choke.

The well is in SW SW SW 16-18-17 and is the first test in the section. It extended the producing area of the Jones sand a quarter mile to the east. The sand was encountered from 7,570 to 7,612 feet, casing set at 7,635 feet and pipe perforated from 7,570 to 7,596 with 102 shots.

The Atlantic Refining Company on its B. M. Dumas No. 1 test in NW NE NW 21-18-17 encountered the Jones formation in cores at 7,602 feet and still is coring in the formation below 7,630 feet. The test is a southeast extension, being an east off-set to the Powledge No. 1 test of the Texas-Canadian Company in the same section.

The Lion company is drilling ahead on six tests and is preparing to start on another. The Mayfield No. 4 in Section 18-18-17 is drilling below 6,924 feet; the Clarence No. 1 in Section 7-18-17, below 6,350 feet; the Mayfield No. 5 in Section 18-18-17, below 5,145 feet; the Dee No. 1 in Section 17-18-17, below 4,630 feet; the Marvin No. 1 in Section 7-18-17, below 6,912 feet; the Marcus No. 2 in Section 18-18-17, below 1,350 feet and the Marcus No. 3 in the same section is preparing to spud in. The crew on the Morgan B-6 in Section 18-18-17 is fishing for stuck drill pipe at 2,900 feet, with total depth 7,257 feet.

The Phillips company is drilling below 4,380 feet on the Marks No. 4 test in Section 18-18-17 and the Marine company is drilling below 5,458 feet on the Calloway No. 1 in the same section.

The Alice Sidney company is drilling below 6,210 feet in the Powledge No. 4 test, Roberts and Murphy are drilling below 5,705 feet in their C. D. Justiss No. 1 and R. T. Adams is drilling below 5,250 feet in his F. W. Powledge No. 1 test, all in Section 7-18-17.

Following completion of their Rodgers No. 1, Jones, Murphy and Hurley announced location for the Rodgers No. 2 in NW SW SW 16-18-17.

In the Village area of Columbia county the Standard Oil Company is drilling ahead on its Crumpler No. 1 test in Section 15-17-19, an east off-set to the Phillips No. 1 discovery test and the Fohs Oil Company is drilling on its Phillips No. 1, southwest of the discovery well. With the completion and the new tests, interest also has increased in the Mt. Holly area of Union county, seven miles east of Village. The Phillips company is reported planning to drill a test there soon.

East of Urbana between Strong and New London in southeast Union county, the Federal Petroleum Company and Joe Modisette have started operations

on their Union Sawmill No. 1 test in Section 8-18-12, scheduled to go to the Permian lime.

Four Other New Permits.

The state Conservation Department has issued permits for four new tests and one to deepen an old well. Logs of six wells were also filed.

O. F. Whitaker obtained permit to drill the C. C. Hall No. 1 test, 70 feet east and 52.5 feet north of SW NW NW 11-15-20 in Columbia county.

Benedum and Trees Oil Company obtained permit to drill the Blakely and Suckle No. 1 test, 330 feet north and 330 feet west of SE SE 4-14-20 in Nevada county.

Tennark, Inc., obtained permit to drill the Ruby M. Martin No. 1 test, 580 feet south and 80 feet west of the northeast corner of Section 35-14N-3E in Craighead county.

The Texas Canadian Oil Corporation obtained permit to drill the K. K. Dickson No. 2 test, 330 feet south and 330 feet west of NE SE NW 11-20-28 in Miller county.

The Phillips Petroleum Company obtained permit to deepen the J. P. Bilyeu No. 5 test, 460 feet south and 660 feet west of NE SW NW 9-16-15 in Union county.

Logs were filed by the Phillips Petroleum Company for the Marcus Justiss No. 3, the Marine No. 3 and the Marine No. 5 tests, all in Union county; by W. C. Feazel for the J. E. Eason No. 2, by S. H. Killingsworth for the J. P. Greer No. 1 and by the East Texas Refining Company for the W. H. Thomas B-2 test all in Miller county.

New Phillips Drilling Program Encourages Entire Area.

Special to the Gazette.

Shreveport, La., June 25.—Activity in the Ark-La-Tex area the past week followed routine lines, lacking any developments of a sensational nature, but several tests neared interesting stages and new operations were started that held close attention in wildcat activity.

Encouraging for the entire district was the staking of 13 new operations

in the still young Schuler field of Union county, Arkansas. Not for several years had a major company staked so many locations at one time.

Miller County Test Watched.

Due to command considerable attention is a new wildcat in Miller county, Arkansas, for which materials are being moved in. It is Estabrook, Hill & Crider's Sherman No. 1, SW NW 20-19-28, just north of Havana on the Texas-Arkansas line. It is four miles north of production in the Redessa field and is seeking production north of another fault. It will go to 6,200 feet.

Bearing the closest attention among wildcats is Standard Oil Company's Frost No. 1, Section 14-21-1, in Union county, northeast Louisiana, which cored slowly ahead in Permian lime below 9,658 feet. The test was delayed for several weeks by stuck drill stem at 9,625 feet which had to be cut out. The Permian was topped at 9,610 feet.

Goodpine No. 1 at 10,585 Feet.

North Louisiana's present deepest drilling well, Gulf Refining Company's Goodpine No. 1, Section 25-14-8, was below 10,585 feet. Just outside the Shreveport city limits, R. E. Allison's Ellerbee No. 1, Section 27-18-14, Caddo parish, Glen Rose test, drilled ahead below 5,215 feet.

The DeSoto parish wildcat of Samuel

S. Alexander at Stell No. 1, Section 5-12-16, was swabbing after perforating casing in a new level of the Glen Rose from 5,070 to 5,130 feet. The well showed considerable oil with salt water from 5,420-44 feet. In the Converse field, Sabine parish, W. L. McClanahan's Frost 1, Section 22-9-13, Glen Rose test, drilled ahead past 3,410 feet.

In the Blue Lake area of Sabine parish, F. W. Martin Company's Sabine No. 1, Section 23-7-14, was waiting orders after plugging back to 3,600 feet following unsuccessful drill stem tests at 3,860 feet and at 4,200 feet. It is an off-set to Sutton Oil Company's 4,200-foot pay zone opener in the area, which had a show of oil at the 3,850-foot level. Two wells, one a 1 1/2 mile south outpost and the other the same distance east of the discovery, drilled ahead toward the 4,200-foot pay.

In the Cotton Valley field, Webster parish, close attention centered on the mile south outpost of Mid-States Oil Company at Welori No. 1, Section 3-20-10, which was coring in the Lower Marine Bodcaw pay sand at 8,615 feet. This zone produces gas and distillate in the field proper, but one well has been completed, making oil from the level on the southeast flank.

West of the field in Bossier parish, Tidewater Associated Oil Company has resumed taking a wildcat block centering around Section 25-21-11, which was started several months ago.

On the northeast edge of the Sugar Creek field, Claiborne parish, a new operation was started by Union Producing Company et al. at Sims A-1, SE SW Section 29-20-5.

Chicot County Options Sought.

In Chicot county, Arkansas, near Eudora, D. W. Cummings et al. of Tulsa,

OIL NEWS Two Shuler Wells In, Two More Due

Special to the Gazette. 6-19-38
El Dorado, June 18.—Two comple-

Okla., are negotiating for option on 25,000 acres centering around Section 24-18-2 west with agreement to drill at 5,000-foot hole.

The Hempstead county wildcat of H. D. Easton et al. at LaGrone 1, Section 5-12-26, has been abandoned as dry at 3,511 feet. In Craighead county, location has been staked for a new wildcat operation at Martin No. 1, Section 35-14-3 east by Tennark Inc. In Little River county, J. G. Strahan et al's. Dierks 2, Section 2-12-2B, drilled past 2,980 feet.

Review of Ark

ansas Oil Fields

Cotton Valley And Lisbon Most Active

Million-Dollar Drilling Campaign in Shuler to Be Started.

Democrat 6-26-38

Shreveport, La.—Two outpost tests south of the lower Marine gas-distillate producing area below 8,000 feet, in the Cotton Valley field, Webster parish, were closely watched the past week as they cored and drilled ahead slowly in the lower Marine series, seeking oil, which has been found in commercial quantities in one well down deep, one and three-quarter miles southeast of gas-distillate production. Both tests have checked low enough to indicate possible oil production and not low enough to indicate possibility of salt water.

Cotton Valley and Lisbon continue to lead in north Louisiana drilling activity, with the former adding six new wells during the week, and the latter five.

One mile south of deep production at Cotton Valley, Mid-States Oil Company's No. 1 Welori Lumber Company, section 3-20n-10w, Webster parish, was coring Thursday at 8,615 feet after topping Bodcaw sand at 8,597 feet. Elevation is 247 feet. Another south outpost but nearer production, Fohs Oil Company's No. 1 Crichton, section 33-21n-10w, also was below 8,500 feet, after topping the "A" sand of the lower Marine series at 8,130 feet. Elevation is 249 feet.

The lower Marine gas-distillate horizon below 8,000 feet at Cotton Valley is classed as a gas producing zone. It's July allowable was set at 60 million cubic feet daily for the 40 wells of that horizon. This is an increase of 4,000,000 feet from the June allowable. The Holloway (Travis Peak) horizon at Cotton Valley that produces oil was boosted 1,000 barrels in its July allowable to 5,000 barrels daily.

The Lisbon field, Claiborne and Lincoln parishes, was also given a 1,000-barrel daily allowable increase for July to 10,000 barrels. The Louisiana side of the Rodessa field, which has been quiescent for several weeks, was reduced from 40,000 barrels daily to 38,000 barrels for July. All other fields of north Louisiana were given a blanket allowable of 20,000 barrels, the same figure as for June. This leaves north Louisiana's combined daily allowable for July at 73,000 barrels. Louisiana as a whole was given an allowable of 249,475 barrels for July, 750 barrels under the June allowable.

One-fourth mile southwest of a two-mile southwest outpost at Lisbon, Weaver Oil Corporation abandoned No. 2 Edmonds, section 16-20n-5w, Claiborne parish, at total depth of 5,852 feet, in Travis Peak, after plugging back to 4,470 feet and running formation tester just under the amphydrite, which showed a little gas. The regular basal Glen Rose lime Lisbon producing zone had logged eight feet of fair porosity at 5,375-83 feet, but it did not warrant a test. The well one-fourth mile northeast had been completed as a small producer after repeated acidization.

Union Producing Company and Sugar Creek Syndicate, which has been trying for several weeks to straighten crooked hole at total depth of 10,661 feet in No. 2 Brownfield, section 5-19n-5w, Claiborne parish, a deep test at Sugar Creek, has temporarily abandoned the hole at 10,500 feet, after finding the hole crooked again, after plugging back to 10,500 feet and trying to straighten the hole.

Fritz W. Martin and Company's No. 1 Sabine Lumber Company, section 23-7n-14w, east offset to J. G. Sutton-Zwolle Oil Company's No. 1 Sabine in the same section that opened a new producing horizon at 4,200

feet, was shut down at total depth of 4,500 feet, after plugging back to 3,600 feet. Drill stem tests at 4,200 and 3,860 feet were dry. Three other tests in this immedaite area are drilling. Completion of a 600-barrel well in a new offshoot to the old shallow Zwolle field, in section 7-7n-12w, by Major Oil Company, has caused three new locations to be made, and three other tests in the saem offshoot were already drilling as the result of this recent opening of this new "hot spot."

S. S. Alexander, Fort Worth, Tex., operator, is arranging to swab again in No. 1 Stell, section 5-12n-16w, DeSoto parish wildcat, after perforating casing with 52 shots in the Glen Rose at 5,070 to 5,130 feet. Previously this test showed considerable oil after perforating in the Glen Rose from 5,420 to 5,440 feet.

Standard of Louisiana and Joe Modiset have cleaned out junk and are coring ahead in Permian lime at 9,658 feet in No. 1 Frost, section 14-21n-1e, Union parish wildcat, southeast of the Shuler field. Gulf Refining Company's No. 1 Goodpine, section 25-14n-8w, Bienville parish wildcat, is coring hard sand and lime at 10,580 feet.

Phillips to Drill 13 Wells.

A drilling campaign that will cost approximately one million dollars, and calling for immediate drilling of 13 7,700-foot tests in the Shuler field, Union county, Arkansas, was announced the past week by Phillips Petroleum Company, which secured drilling permits for that number of new operations in Shuler.

The wells will be drilled in sections 7, 17, 18, 19 and 20-18-17. Phillips', whose shooting crew discovered the Shuler "high," resulting in drilling the first well there, has considerable acreage in the area. Phillips' shooting crew that shot out this high, also shot out the one at Snow Hill, Ouachita county, and several others in south Arkansas. Its ability is said to be almost uncanny.

On Thursday, June 23, Alas Pipeline Company of Shreveport, control of which was secured last December by Lion Oil Refining Company, began running 10,000 barrels daily of back allowable at Shuler that had accumulated during May and June. Purchases are being made from all operators there except Phillips Petroleum Company. A total of 80,000 barrels of back allowable was contracted for by Atlas.

The fifth and largest well of the Buckner field was added by Standard of Louisiana in No. 2 J. P. McKean, SW, SE, section 7-16-22, Lafayette county, completed in the Permian lime, flowing 122 barrels per hour on three-hour production test,

before being shut in to 200 barrels daily allowable. Rigging up immediately started for No. 1 Warren, NW, NE, section 18-16-22.

Moving in of materials began the past week for Ray Estabrook, Hill and Crider's No. 1 Sherman, SW, NW, section 29-19-28, Miller county, Ark., near Ravanna for a 6,200-foot wildcat test, playing for the upthrow side of a northeast fault running from Lodi, Marion county, Texas, from the main Rodessa fault. Dr. A. F. Crider of Shreveport did the geology. It is on a 4,500-acre block, part of which was secured from J. G. Puterbaugh of Oklahoma, who retained some acreage in the block. A. D. Riley of Kilgore, Tex., is drilling contractor.

A 5,000-foot wildcat test is planned in Chicot county, southeastern Arkansas, by O. W. Cummings and associates of Tulsa, Okla., who are assembling a large block around section 24-18s-2w.

In Hempstead county, near McNab, Easton, May and Murdock abandoned No. 1 LaGrone, section 5-12-26, Hempstead county, as a dry hole at 3,511 feet. In the same county Fohs Oil Company has a geophysical unit working just south of McNab, and Ohio Oil Company has a seismograph crew working in township 13, range 26. In the same county Walter Greer of Homer, La., has assembled a block around section 9-12-27 to spud by August 31.

Barnsdall Oil Corporation, which has been leasing near Waldo, Columbia county, has a seismograph unit working in that area. Ohio Oil Company is shooting in township 20, range 22, same county, near the Louisiana line. Tidewater Associated has a shooting unit in township 18, range 18, and Phillips Petroleum Company has a similar unit working near Magnolia in township 17, range 20.

Magnolia Petroleum, which has been detailing the area, is leasing around section 17-19-17, Union county, where Fohs Oil Company is also getting acreage. J. B. Greer and G. W. Robinson of Shreveport are leasing in township 19, ranges 14 and 15.

The Shuler field added four new wells during the last week, one of them being the third Permian lime oil well, and another in the Jones sand extended production a fourth mile east into section 16-18-17.

Oil Well Drillers Secure 16 Permits

Democrat 6-29-38

El Dorado — Sixteen permits for new tests, 13 of which are to be drilled by the Phillips Petroleum Company, were issued last week by the Arkansas Board of Conservation, according to the weekly announcement from the El Dorado office yesterday.

Fourteen of the new tests are in Union county, one in Lafayette county and one in Miller county. Two permits to plug and abandon also were issued and four logs were filed.

Permits issued, other than those of the Phillips Company, in the Shuler area follow:

Standard Oil Company, J. L. Warren No. 1, 1,890 feet west and 610 feet south of the northeast corner of section 18-16-22, Lafayette county.

Lion Oil Refining Company, A. Nelson, No. 2, 330 feet south and west of the northeast corner of lot No. 5 of the southwest quarter of section 18-18-17, Union county.

Ray L. Estabrook, E. L. Sherman No. 1, 454 feet east and 660 feet north of the southwest corner of the southwest quarter of the northwest quarter of section 29-19-28, Miller county.

The Ohio Oil Company obtained a permit to plug and abandon the Ribbey Furlough No. 4 in section 12-17-14 in the Rainbow City field of Union county, and H. D. Easton and associates obtained a similar permit for the R. M. Lagrone No. 1 in section 5-12-26, Hempstead county.

Logs were filed as follows: Standard Oil Company, W. P. Phillips No. 1, Columbia county; Lion Oil Refining Company, Mayfield No. 3, Union county; Red Iron Drilling Company, Mitchell No. 1, Miller county, and Texarkana Drilling Company, Capps No. 1, Miller county.

68th, 69th Shuler Wells Brought In

7-10-38 7-10-38

Special to the Gazette.

El Dorado, July 9.—Two completions, one in the Reynolds lime and the other in the Jones sand, were recorded in the Shuler field this week, while casing was set on three other wells for final testing and another test started coring in the Jones sand. Three new locations were announced.

The Jones sand completion, the 53rd for the formation, was the Marvin No. 1 of the Lion Oil Refining Company in the northeast corner of lot 7 in the southwest quarter of section 7-18-17 in the northwest edge of the field. Casing was set at 7,718 feet after sand was cored from 7,601 to 7,707 feet and pipe perforated from 7,630 to 7,645 feet.

The Reynolds lime producer, the fifth for that formation and the 69th in the field, was also a Lion well, the Mayfield No. 4, in the center of lot 3 in the northwest quarter of section 18-18-17. Casing was set at 7,699 feet after the lime was cored from 7,642 to 7,699 feet and pipe was perforated from 7,674 to 7,678 feet.

The Lion Company is waiting on casing at 7,637 feet on the Morgan B-6 test in the southwest corner of the northwest quarter of the southeast quarter of section 18-18-17 after sand was cored from 7,533 to 7,618 feet, and at 7,666 feet on the Clarence No. 1 test in the southwest corner of lot seven in the southwest quarter of section 7-18-17 after Jones sand was cored from 7,568 to 7,658 feet.

The Alice Sidney Company is waiting on casing at 7,670 feet on the Powledge No. 4 test in the southwest corner of the northwest quarter of the southeast quarter of section 7-18-17 after coring Jones sand from 7,593 to 7,633 feet.

Jones, Murphy and Hurley are coring below 7,563 feet in the Jones sand on the Murphy Land Company A-3 test in the northeast corner of the southeast quarter of the northeast quarter of section 19-18-17 after topping the sand at 7,534 feet.

Three New Lion Tests Started.

The new locations made by the Lion Company are for the Marvin No. 2 in the southeast corner of lot 1 in the southwest quarter of section 7-18-17; the Marcus No. 4 in the northwest corner of lot 3 in the southwest quarter of section 18-18-17, and the National No. 1 in the northwest corner of the northeast quarter of the southwest quarter of section 17-18-17.

The Lion Company is drilling ahead on four additional tests and is preparing to start drilling on a fifth. The Dee No. 1 is drilling below 6,350 feet in section 17-18-17; The Mayfield No. 5, below 6,950 feet; the Marcus No. 2, below

5,450 feet, and the Marcus No. 3, below 3,881 feet, all in section 18-18-17. Drilling will be started soon on the A. Nelson No. 2 test, also in section 18-18-17.

The Phillips Petroleum Company is drilling below 6,338 feet on the Marks No. 4 test in section 18-18-17, below 950 feet on the Sewell No. 1 in section 7-18-17 and below surface casing in the Miller No. 1 in section 18-18-17. The Sewell and Miller tests are the only ones of the 13 new locations of the Phillips company on which operations have been started.

The Marine Oil Company is drilling below 6,790 feet on the Callaway No. 1 test in section 18-18-17 and Jones, Murphy and Hurley is drilling below 3,775 feet on the Rodgers No. 2 test in section 16-17-18.

R. T. Adams is drilling below 6,927 feet in the Powledge No. 1 test in section 7-18-17, and Roberts and Murphy is drilling below 7,312 feet on its Justiss No. 1 test in the same section.

A completion last week-end was the Dumas No. 1 test of the Atlantic Refining Company in section 21-18-17 in the southeastern edge of the field.

In the Village area of Columbia county the Standard Oil Company is drilling ahead below 5,200 feet on the Crumpler No. 1 test in section 15-17-19 and the Fohs Oil Company is drilling ahead below 5,360 feet on the Phillips No. 1 test in section 15-17-19.

In the Buckner area of the same county the Standard Company is drilling below intermediate casing on its Warren No. 1 test in section 18-16-22 and is rigging up on the McKean No. 3 in section 7-16-22.

Seven New Permits Issued.

Permits have been issued by the state Conservation Department for seven new wells and logs of four wells were filed.

W. E. Allaun, trustee, of Dallas, Tex., obtained permit for the Moore Estate No. 1 test, 200 feet north and 200 feet east of the southwest corner of the southeast quarter of the northwest quarter of section 34-9-10 in Cleveland county.

The Atlantic Refining Company and Bailey and Trimble obtained permit for the C. C. Rodgers No. 1 test, 330 feet north and 330 feet east of the southwest corner of the north half of the southwest quarter of section 16-18-17 in Union county.

The Standard Oil Company of Louisiana obtained permit for the J. P. McKean No. 3 test, 560 feet north and 660 feet west of the southeast corner of the northeast quarter of the southeast quarter of section 7-16-22 in Columbia county.

C. E. Murdock obtained permit to drill the Southern Kraft No. 1 test, 330 feet north and 330 feet west of the southeast corner of the northwest quarter of the northwest quarter of section 17-14-13 in Calhoun county.

The Atlantic Refining Company obtained permit to drill the Alice Baker No. 1 test, in the center of the southeast quarter of the northwest quarter of section 13-17-20 in Columbia county.

The Gerhig Company of Arkansas of Shreveport, La., obtained permit to drill the H. C. Mitchell No. 1 test, 334 feet east and 330 feet north of the southwest corner of the southeast quarter of the southwest quarter of section 2-20-28 in Miller county.

The Atlantic Refining Company obtained permit to drill the Harrington No. 1 test, in the center of southwest quarter of the northwest quarter of section 14-17-20 in Columbia county.

Logs were filed by H. D. Easton et al. for the LaGrone No. 1 in Hempstead county, by Edwin M. Jones for the Levi Rodgers No. 1 in Union county, by the Lion Oil Refining Company for the A. Nelson No. 1 in Union county and by F. W. Burford for the E. B. Mitchell No. 1 in Miller county.

Oil Well Starts Flowing One Mile From Shreveport.

7-16-38

Shreveport, La., July 15 (P).—R. E. Allison and associates announced today completion of an oil well, the No. 1 Ellerbe et al. flowing between 40 and 50 barrels of oil hourly, with considerable mud and drilling fluid, but no salt water, at gas center, one mile from the Shreveport city limits. It is the nearest oil producer to Shreveport, the center of many oil fields.

The well, producing through quarter-inch choke with tubing pressure of 350 pounds and casing pressure not immediately gauged, is bottomed at 6,025 feet and casing was perforated from 5,548 to 5,560 feet.

OIL NEWS

New Shuler Field Tests In Spotlight

2-21-38

Special to the Gazette.

El Dorado, Aug. 20.—While main attention has continued to center in the active development program in the Shuler field, where two completions were registered, some interest was diverted the past week to a wildcat test in another part of Union county, a well near the old Rainbow City field, and the starting of a wildcat test in Calhoun county.

The new producers from the Jones sand maintained the record of no failures in that formation and a further spurt in drilling was indicated.

Phillips Petroleum Company, one of the most active operators in the field, announced three new locations made and contracts let on five others now being located.

Huge Loan Completed by Barton.

Further encouragement was lent by Col. T. H. Barton's announcement from New York of the completion of a \$3,200,000 loan from a New York bank to provide additional working capital for development of the Shuler field the next two years. Colonel Barton, head of the Lion Oil Refining Company, immediately left on a vacation trip and no further details of the program were obtainable from him or from company officials here. The Lion now has 32 producing wells in the field and is running nine rigs.

The two new producers were the sixty-sixth and sixty-seventh wells from the Jones sand. One was the Atlantic Refining Company's Rodgers No. 1 in the southwest corner of the north half of the southwest quarter of Section 16-18-17, completed as one of the best producers in the area, making more than 60 barrels an hour. The sand was encountered from 7,586 feet to 7,604 feet with casing set at 7,621 feet and perforated with 144 shots from 7,587 to 7,599 feet.

The second was the Marcus No. 3 of the Lion Oil Refining Company in the southwest corner of Lot 5 of the northwest quarter of Section 18-18-17. It was brought in flowing between 60 and 70 barrels an hour through a small choke. The Lion set casing at 7,725 feet after coring in the sand from 7,529 to 7,623 feet. Casing was perforated with 122 shots from 7,567 to 7,587 feet.

While several new tests are just getting under way and others are still some distance from the pay depths, four other Shuler wells are coring in the Jones sand and the oolitic lime formations and probably will be ready for casing for final testing soon. The Lion Oil Refining Company is coring below 7,590 feet in the Marcus No. 4 in the northwest corner of Lot 3 of the southwest quarter of Section 18-18-17. The Phillips Petroleum Company is coring below 7,685 feet in the oolitic lime in the H. P. Sewell No. 1 in the southwest corner of Lot 5 of the southwest quarter of Section 7-18-17 and is coring well below 7,600 feet on the H. J. Miller No. 1 in the northeast corner of the southeast quarter of the southwest quarter of Section 18-18-17. Jones, Murphy & Hurley are coring below 7,700 feet on what may prove one of the deepest wells in that area in the C. H. Murphy No. 1 in the northwest corner of Lot No. 6 of the northwest quarter of Section 19-18-17.

Lion Drilling Nine Other Wells.

The Lion company is working on nine other wells at Shuler. The Dee No. 2 in the southwest corner of the southeast quarter of the northwest quarter of Section 17-18-17 is drilling around 4,000 feet; the Marvin No. 2 in the southeast corner of Lot No. 1 of the southwest quarter of Section 7-18-17, around 6,000 feet; the Alice Nelson No. 1 in the northeast corner of Lot No. 5 of the southwest quarter of Section 17-18-17, around 6,500 feet; the National No. 1 in the northwest corner of the northeast quarter of the southwest quarter of Section 17-18-17, at 6,440 feet, and the Sewell No. 1 in the northeast corner of Lot 4 of the northwest quarter of Section 18-18-17, at 6,100 feet. The Morgan A-6 in the southeast corner of Lot 1 of the southwest quarter of Section 18-18-17 is down nearly 3,000 feet; Marine No. 4 in northeast corner of the southeast quarter of southeast quarter of Section 17-18-17, is waiting on rig; Clarence No. 2 in northwest corner of Lot 1 of the southwest quarter of Section 18-18-17 is drilling below 2,500 feet, and Marine No. 5 has been located in northwest corner of the southwest quarter of the northwest quarter of Section 20-18-17.

The Phillips Petroleum Company is drilling at 1,551 feet on the Sewell No.

4 in the southeast corner of Lot 4 of the southwest quarter of Section 7-18-17 and has made three new locations as follows: Brown No. 1, 330 feet south and east of the northwest corner of the northeast quarter of the southeast quarter of Section 13-18-18; El Dorado Bank No. 1, 1,330 feet north and east of the southwest corner of the northwest quarter of the southeast quarter of Section 12-18-18, and the Milling No. 1, 330 feet north and west of the southeast corner of Lot 4 of the southwest quarter of Section 18-18-17.

Rainbow Field Revived.

The Raulston No. 1 of J. R. Lockhart, formerly of Little Rock, in Section 12-17-14 in the old Rainbow City field east of El Dorado, is attracting

attention, as it is the first well in the Rainbow field in several years. The well was completed recently as a small gasser and started making distillate after a separator had been installed. The well is about 800 feet south of present production in the field and showing was obtained from 3,100 feet with no show of salt water. It showed 55 gravity oil in a test run and then was closed in pending installation of heavier connections. Lockhart plans to drill a No. 2 well on the same tract of land.

Much interest is attached to the Union Sawmill Company No. 1 wildcat of Joe Modisett in Section 8-18-12, southeast end of Union county in the vicinity of New London, which has cored into the big lime formation below 6,100 feet. The well will be drilled and cored about 400 feet into the lime. The well is located on one of several geophysical highs holding interest in the county.

The wildcat being started in Calhoun county is the Samuel S. Alexander test in the center of the northeast quarter of the northeast quarter of Section of Bearden and centers near the boundary 7-11-14. The well is six miles northeast of Bearden and centers near the boundary of two other counties, Dallas and Ouachita. The block contains about 12,000 acres and a deep test is planned. Earl Bradham of El Dorado was given the drilling contract this week. Location has been cleared and derrick timbers moved in.

69th, 70th Jones Sand Wells Due In 8-28-38

Special to the Gazette.

El Dorado, Aug. 27.—Completion of the 68th Jones' sand well of the Shuler field was recorded this week and two others, making 70 for the sand, are expected to be completed this week-end. The southwest boundary of the producing area evidently was defined when the C. H. Murphy No. 1 test of Jones, Murphy and Hurley in the northwest corner of lot six in the northwest quarter of section 19-18-17 was abandoned as a dry hole at 7,789 feet Wednesday. The failure was the first in the Jones sand.

There are 23 other tests in the Shuler area drilling, coring or rigging up. Also of interest was a wildcat test in Calhoun county, the Southern Kraft No. 1 of C. E. Murdock in section 17-14-13, northeast of the Snow Hill sector of the Smackover field. Operators are drilling below 1,000 feet. A "high" was reported in shooting tests several months ago and much interest is being shown in the operations.

In the Village area of Columbia county the Standard Oil Company has killed its Tena Crumpler No. 1 test in section 15-17-19, which showed excessive salt water flow and will rework the well in an effort to kill the salt water flow. In the same section the Standard is

building derricks for the Minnie Harris No. 1 and the E. D. Harris No. 1.

In the Magnolia area of Columbia county the Atlantic Refining Company is drilling below 5,953 feet on its Harrington No. 1 test in section 14-17-20, and below 6,000 feet on its Baker No. 1 test in section 13-17-20.

The new Shuler well was the H. P. Sewell No. 1 test of the Phillips Petroleum Company in the southwest corner of lot 5 in the southwest quarter of section 7-17-18, in which the sand was cored from 7,535 to 7,700 feet and casing set at bottom of the hole. Casing was perforated from 7,570 to 7,590 feet and the well completed as a big producer.

Miller No. 1 Due In.

The Phillips is expected to complete the Miller No. 1 test in the northeast corner of lot 4 in the southwest quarter of section 18-18-17 this week-end. The sand was encountered in coring from 7,537 to 7,699 feet and casing was set at 7,734 feet.

The other test due in for a big producer is the Marcus No. 4 of the Lion Oil Refining Company in the northwest corner of lot 3 in the southwest quarter of section 18-18-17, in which sand was cored from 7,540 to 7,701 feet and casing set at 7,727 feet.

The Lion company is coring in the Jones sand below 7,550 feet in its National No. 1 test in the northwest corner of the northeast quarter of the southwest quarter of section 17-18-17, with top of the sand at 7,544 feet. The same company is coring below 7,598 feet in the Jones sand on its Marvin No. 2 test in the southeast corner of lot 1 in the southwest quarter of section 7-18-17.

Operations on other Lion tests are as follows: Sewell No. 1, in section 18-18-17, drilling below 7,190 feet; Nelson No. 2, in section 18-18-17, drilling below 6,945 feet; Dee No. 2, in section 17-18-17, drilling below 5,160 feet; Clarence No. 2, in section 18-18-17, drilling below 5,040 feet; Morgan A-6, in section 18-18-17, drilling below 4,980 feet; Marine No. 4, in section 17-18-17, drilling below 1,750 feet; Marine No. 5, in section 20-18-17, digging cellar.

Operations on the seven Phillips' tests are as follows: Sewell No. 4, drilling below 3,345 feet; Sewell No. 2, in section 18-18-17, drilling below 1,900 feet; Ed Gann No. 2, in section 18-18-17, drilling below 1,850 feet; Sewell No. 3, in section 18-18-17, drilling below 1,801 feet; Brian No. 1, in section 13-18-18, drilling below surface casing; El Dorado No. 1, in section 12-18-18, waiting on rig and Millings No. 1 in section 18-18-17, rigging up. The Phillips has taken out permits for six other tests on which operations have not been started.

Jones, Murphy and Hurley are drilling below 6,280 feet on their Gallagher No. 1 test in section 19-18-17 and are rigging up on their Murphy Land Company B-1, in section 13-18-18.

The Crescent Drilling Company is drilling below 6,796 feet in its Lena Lewis No. 1 test, in section 16-18-17, and below 1,242 feet on its Sewell No. 1 test, in section 12-18-18.

The Marine Oil Company is drilling below 5,987 feet on its Callaway No. 2 test in section 13-18-18; the Atlantic Refining Company is drilling 2,190 feet on its Dumas No. 2 test, in section 21-18-17 and Roberts and Murphy are drilling below 5,885 feet on their Leona No. 2 test, in section 7-18-17.

Drilling is expected to be started this week-end or early next week on the new wildcat test northeast of Beardon in Calhoun county. The test will be

the Smyth No. 1, in the center of the northeast quarter of the northeast quarter of section 7-11-14. It is planned as a 4,500-foot test to the Permian lime. It is reported that operators have a block of approximately 12,000 acres in Calhoun, Ouachita and Dallas counties.

North of McNeil in Columbia county the Atlantic company is making shooting tests in township 15, range 20, and the Phillips company is shooting in the Emerson area in township 18, range 19, while Standolind has a crew working north of Buckner in township 15, range 22.

In Union county in the Mount Holly area, the Phillips company has a shooting crew working in township 16, range 18, and another in township 19, range 18.

Reynolds Allowable Increased.

At a meeting this week the Arkansas state Conservation Board set production allowances for flush fields for September, raising the daily allowable for Reynolds lime wells of the Shuler field 100 barrels per day to 300 barrels daily, while present allowable for Buckner, South Miller county, and the Jones sand of the Shuler field were continued.

In the Jones sand the daily field allowable will be 21,012 barrels for the 70 wells expected to be on production by September 1. In the Buckner field the daily allowable was set at 1,200 barrels for its six wells. The South Miller county production was set at 6,874 barrels daily for the 101 producing wells. The five wells in the Reynolds lime of the Shuler field will be given 300 barrels daily production each.

Nine Permits Issued.

Nine permits to drill new tests, two to deepen old tests, one to plug back and perforate and one to plug and abandon were issued by the state Conservation Department.

Eight of the new drilling permits were for tests in Union county. They were for the Phillips Petroleum Company H. P. Sewell No. 4, 330 feet north and 330 feet west of the southeast corner of lot 4, in the southwest quarter of section 7-18-17; Phillips Petroleum Company, Alice Nelson No. 2, 330 feet south and 330 feet east of the northwest corner of lot 3 in the northwest quarter of section 12-17-14; Atlantic Refining Company, B. M. Dumas No. 2, 990 feet north and 330 feet west of the northeast corner of the northeast quarter of the northwest quarter of section 21-18-17; Phillips, El Dorado No. 1, 330 feet north and 660 feet east of the southwest corner of the northwest quarter of the southeast quarter of section 12-18-18; Phillips, B. Brian No. 1, 330 feet south and 660 feet east of the northwest corner of the northeast quarter of the southeast quarter of section 18-18-17; Phillips, Milling No. 1, 330 feet north and 330 feet west of the southeast corner of the south half of lot 4 in the southwest quarter of section 18-18-17; P. G. Lake, Burns No. 1, 210 feet west and 105 feet south of the northeast corner of the northwest quarter of the southeast quarter of section 20-18-17.

The other drilling permit was to Paul Bowen for the J. M. Stocks No. 1, 330 feet south and 380 feet west of the northeast corner of the southwest quarter of the southeast quarter of section 9-15-22 in Nevada county.

Edwin M. Jones obtained permits to deepen the Murphy Land Company B-1, 330 feet north and 330 feet east of the southwest corner of the south half of the west half of southeast quarter of the northeast quarter of section 13-18-18, and the Katherine Gallagher No. 1, 330 feet south and 330 feet west of the northeast corner of lot 4, in the northwest quarter of section 19-18-17, both in Union county.

The Gulf Refining Company obtained permit to plug back and perforate in the Meekin sand on the Sid Umsted A-10 test, 2,440 feet north and 200 feet west of the southeast corner of section 33-15-15 in Ouachita county.

Location for the H. P. Sewell No. 4 of the Phillips Petroleum Company was changed to 330 feet west and 350 feet north of the southeast corner of lot 4 in the southwest quarter of section 7-18-17, in Union county.

Eastbrook and Hill obtained permit to plug and abandon the E. L. Sherman No. 1 test, 332.7 feet east and 765 feet north of the southwest corner of the southwest quarter of the northwest quarter of section 29-19-28 in Miller county.

Logs were filed by the Lion Oil Refining Company for the Dee No. 1, the Marcus No. 2 and the Marcus No. 3 tests in Union county; by the Phillips Petroleum Company for the Marks No. 4 in Union county; by the Gerhig Company of Arkansas for the Mitchell No. 1 in Miller county; by R. T. Adams for the Powledge No. 1 in Union county; by J. A. Cararas for the Mitchell No. 1 in Miller county; by Roberts and Murphy for the Justiss No. 1 in Union county, and by Edwin M. Jones for the Rodgers No. 2 in Union county.

Review of Arkansas Oil Fields

Four Wells to Go Down Soon Ark. Democrat At Shreveport

City Drilling Campaign Begins—Magnolia Extension Fades.

Shreveport, La.—Issuance of four drilling permits for the new Shreveport basal Glen Rose lime field, recently discovered on the outskirts of Shreveport, these being the first permits for the new area, discovered July 15, featured oil development in north Louisiana the past week.

Another important development of the week was an indicated quarter-mile south extension of the Lisbon basal Glen Rose lime oil field.

A northwest edge well in the Cotton Valley field, Webster parish, showed indications of being the third crude oil producer in the lower Marine 8,000-foot horizon in that field, but later some salt water appeared which tended to cool enthusiasm in the extension.

Wildcatting exploration continued at a comparatively low ebb, aside from the continued leasing campaign in the environs of Shreveport which has been at a high pitch since discovery of oil almost in the city limits.

Although the Shreveport office of the Louisiana Conservation Commission had not received a copy of the spacing rule and schedule of allowances for the new Shreveport field, the commission office in New Orleans informed local conservation officials that four drilling permits for the Shreveport district had been issued. All had been applied for through the local office and rigging up had gotten under way at two of the locations.

Three of the permits were for 40-acre tracts except one, which is just outside the city and is on a 14.81-acre tract. This permit is for C. D. Lee's No. 1 Lionel Meyer, section 33-18n-14w. The other permits issued were: F. W. Martin and Superior Oil Corporation's No. 1 Andrew Querbes, section 37-17n-13w, southeast of the city limits and six miles southeast of the discovery well, which is ready to spud; R. L. Bauman's No. 1 J. B. Slattery Estate, section 35-18n-15w, on a 40-acre tract, Bauman making two alternate locations in the event the 40-acre spacing rule is waived that far out; and J. Thomas Driscoll, Incorporated's No. 1 Woolworth, section 19-18n-14w, this having been the first permit applied for after the field was opened. Subsequent to issuance of these four permits, R. E. Allison, field discoverer, was issued permit to drill No. 2 Ellerbe, NE NE section 28-18n-14w, a west offset to the discovery well and he is rigging up.

Announcement that the order providing for allowances on a 40-acre basis for wells on 10-acre tracts, in and adjacent to the city, brought a number of protests followed by assurance from Gov. Richard W. Leche that this would be changed.

Harry Fotiades' No. 2 C. S. Rodgers, section 13-20n-5w, one-fourth

mile south of the nearest production on the south side of the Lisbon field, Claiborne parish, was testing late in the week after setting casing following logging of 13 feet of saturated lime, slightly tight, which is common to Lisbon. Operators swabbed some oil without acidization but later indicated they would use acid. Total depth is 5,339 feet.

On the northwest flank of the Cotton Valley field, Webster parish, North American Oil Corporation's No. 1 Burrow, section 21-21n-10w, was completed as the third crude oil producer for that field from the Bodcaw sand of the lower Marine, lagged at 8,668-96 feet, but the well later began to show some salt water, indicating that where wells in the lower Marine are too far down dip in that direction the salt water level will appear.

On the opposite side the field, Stanolind Oil and Gas Company's No. 1 Pardee, section 36-21-10, had been 470 feet down dip from the highest well in the field in the lower Marine. However, No. 1 Burrows was more than 20 feet lower structurally than the No. 1 Pardee. Operators at No. 1 Burrow were plugging back 40 feet. Total depth is 8,725 feet. Wells on top of the Cotton Valley structure produce gas distillate in the lower Marine.

Well Checks Low.

Possibility of the new Magnolia, Arkansas, Permian lime field extending east of the discovery well of Kerr-Lynn Oil Company's (later sold to Atlantic Refining Company) discovery, in section 14-17-20, faded the past week when Leon Russ

and associates' No. 1 Baker, SW NW section 13-17-20, one-half mile east of the discovery, checked 67 feet or more lower than the Kerr-Lynn well.

The 67-foot divergence came from tentative identification of the anhydrite. However, if this identification was not correct it will be even lower. At any rate at 7,595 feet, it was still coring for the saturated Permian lime horizon, after having expected to pick it up around 7,500 feet. Kerr-Lynn's well, now Atlantic's, is the only producer at Magnolia.

Benedum and Trees Oil Company last week made location for a wildcat test in Mississippi county, Arkansas, No. 1 Winston Mack, SW, NW, SW, section 3-15-12.

In Columbia county, five miles south of Magnolia, Standard of Louisiana leased several hundred acres around section 8-18-20, and in the same area Gulf Refining Company is leasing. Gulf is also buying in township 17, ranges 21 and 22, Columbia county, near Smitherman et al.'s block around section 4-17-21, which he is assembling for Standard of Louisiana. This block is also being augmented.

Just north of the Louisiana line in Columbia county, Arkansas, Magnolia Petroleum Company has leased 2,500 acres around sections 3, 4 and 10-20-20. In Union county, northeast of Catesville, Carl B. King has been awarded contract for a Permian lime test to be drilled in NE NE section, 23-18-15, said to be backed by C. H. Murphy et al. of El Dorado. Joe Modisett has been awarded contract by Fohs Oil Company and Grimes Brothers to drill a test on a geophysical prospect in NE NE 6-18-14.

Shuler Field Figures. Recent data secured by the Arkansas board of conservation shows that to August 17 total cumulative

production from the Jones and (lower Marine) at Shuler, Union county, is 3,374,161 barrels, and that during the development of this sand the barrels of recovery per pound of pressure drop has been 6,748 barrels. Cumulative production in the Buckner field, Columbia and Lafayette counties to the same date was 164,520 barrels.

The Texas Company continues to core ahead below 11,160 feet in Permian salt in No. 1 Claude Adams, Thomas Cox survey, Pandora county, Texas, Bethany district, after logging Permian salt at 11,067 feet. Elevation is 287 feet.

This is the deepest test ever drilled in east Texas border counties and second deepest test ever drilled in Arkansas, north Louisiana or east Texas border counties, being exceeded in depth in this tri-state area only by R. W. Norton's No. 1 Payne, section 27-23n-16w, Caddo parish, Rodessa district, that went to 11,486 feet. It also logged the Permian salt.

Jones Sand Well Total Grows to 75 9-11-38

Special to the Gazette.

El Dorado, Sept. 10.—Completion of three more wells to bring to 75 the number of producers in the Jones sand of the Shuler area and coring of 38 feet of heavily saturated sand in a southwest outpost well "across a forty" from a test abandoned two weeks as a dry hole featured activities in oil fields of south Arkansas this week.

The completions were the Sewell No. 1 and the Nelson No. 2 of the Lion Oil Refining Company, both in section 18-18-17 and the Lewis No. 1 of the Crescent Drilling Company in section 18-18-17.

The Sewell No. 1 test of the Lion, in the northeast corner of lot four in the northwest quarter of section 18-18-17 flowed 8 barrels an hour on a half-inch choke but was pinched back to the 300 barrels daily allowable set by the Conservation Department. The well encountered the Jones sand from 7,539 to 7,620 feet and casing was set at 7,725 feet. Pipe was perforated from 7,588 to 7,608 feet and the well washed in late Wednesday night.

The Nelson No. 2 test of the Lion, in the northeast corner of lot 5, in the southwest quarter of section 18-18-17 was completed as a big producer early today. The well encountered the Jones sand in cores from 7,552 to 7,642 feet, with pipe set at 7,700 feet and perforated from 7,586 to 7,606 feet with 120 shots.

The third completion was the Lewis No. 1 of the Crescent company in the southwest corner of the southeast quarter of the southwest quarter of section 16-18-17 in the eastern edge of the field. Sand was cored from 7,571 to 7,600 feet and pipe set at 7,600 feet.

The Gallagher No. 1 of Jones, Murphy and Hurley in section 19-18-17 is in the southwestern edge of the field

and is only little more than a quarter-mile from the C. H. Murphy No. 1 test of the same operators, abandoned several weeks ago at 7,789 feet as a dry hole. The Gallagher test is in the northeast corner of lot 4 in the northwest quarter of section 19-18-17 and the C. H. Murphy No. 1 is in the northwest corner of lot 6 in the northwest quarter of the same section.

Roberts and Murphy have started coring on their Leona No. 2 test in the northwest corner of lot 6 in the southwest quarter of section 7-18-17. Corina was started at 7,587 feet and Jones sand was topped slightly below that depth.

The Lion company is drilling ahead on seven other tests in the Shuler area and has made locations for two new tests. The Clarence No. 2 in section 18-18-17 is drilling below 7,105 feet; the Dee No. 2 in section 17-18-17, below 7,016 feet; the Morgan A-6 in section 18-18-17, below 6,700 feet; the Marine No. 4 in section 17-18-17, below 5,550 feet; the Marine No. 5 in section 17-18-17, below 3,431 feet, and the Powledge No. 1 in section 7-18-17, below surface casing. Derrick is being built for the Sewell No. 2 in section 13-18-18. The two new locations are for the Mayfield No. 6 in the northwest corner of lot 3 in the northwest quarter of section 18-18-17 and the Henry No. 1 in the southeast corner of the southeast quarter of the southeast quarter of section 12-18-18.

The Phillips company is drilling ahead on seven tests, preparing to start on two others and has made location for two additional tests. The Gann No. 2 in section 18-18-17 is drilling below 6,120 feet; the Sewell No. 2 in section 7-18-17, below 5,926 feet; the

Sewell No. 3 in section 7-18-17, below 5,918 feet; the Sewell No. 4 in section 7-18-17, below 6,397 feet; the Brian No. 1 in section 13-18-18, below 4,009 feet; the El Dorado No. 1 in section 12-18-18, below 1,917 feet, and the Millings No. 1 in section 18-18-17, below surface casing. Rigging up is under way on the S. H. Goodwin No. 2 and the A. Nelson No. 1, both in section 19-18-17. Locations were made for the J. W. Edwards No. 1 in the center of the south half of the southwest quarter of the northeast quarter of section 17-18-17 and the C. H. Murphy No. 1 in the center of the north half of lot 2 in the northwest quarter of section 19-18-17.

The Marine Oil Company is drilling below whipstock set at 6,191 feet in the Callaway No. 2 in section 13-18-18 and the Atlantic Refining Company is drilling below 6,404 feet in the Dumas No. 2 test in section 21-18-17.

Jones, Murphy and Hurley are drilling below 6,37 feet in the Murphy Land Company B-1 in section 13-18-17 and the Crescent Drilling Company is drilling below 4,560 feet in the Sewell No. 1 in section 12-18-18.

About five miles southeast of El Dorado in the northeast quarter of the northeast quarter of section 23-18-15 Carl B. King is expected to start drilling soon on a test, financed by Root, Standard, Mid-Continent and C. H. Murphy, to the Permian lime. The Standard company recently assembled leases south of this tract centering around section 2-19-15.

The Phillips Petroleum Company has a seismograph crew shooting in township 16, range 17 near Norphlet and another in township 18, range 1; east of Strong. Standolind has a crew shooting north of Lapile in township 18, range 11.

Seven Drill Permits Issued.

Seven permits to drill new wells, three to plug and abandon old tests and one to transfer permit have been issued by the state Conservation Department.

The Lion Oil Refining Company obtained permits for the F. W. Powledge No. 1, 330 feet north and 330 feet east of the southwest corner of lot 2 in the southwest quarter of section 7-18-17 and the Mayfield No. 6 30 feet south and 330 feet east of the northwest corner of lot 3 in the northwest quarter of section 18-18-17 in Union county.

Benedum and Tree obtained permit for the Winston Mack No. 1, 330 feet north and 330 feet east of the southwest corner of the northwest quarter of the southwest quarter of section 3-15N-12E in Mississippi county.

C. H. Murphy et al. obtained permit for the Fee No. 1, 330 feet north and 312 feet west of the southeast corner of the southeast corner of the southwest quarter of the northeast quarter of section 13-18-18 in Union county.

The Gehrig Company of Arkansas obtained permit to drill the H. C. Mitchell No. 2 test, 330 feet north and 334 feet west of the southeast corner of the southeast quarter of the southwest quarter of section 2-20-28 in Miller county.

Samuel S. Alexander of Ft. Worth, Tex., obtained permit to drill the C. H. Smythe No. 1 test, in the center of the northeast quarter of the northeast quarter of section 7-11-14 in Calhoun county.

The Tidewater and Seaboard companies obtained permit to drill the J. T. Beene No. 1 test, 1,980 feet south and 1,980 feet east of the northwest corner of section 15-18-19 in Columbia county.

Permit issued for the Teler Erby No. 1 test, 150 feet north and 150 feet east of the southwest corner of the southwest quarter of the southwest quarter of section 3-14-20 in Nevada county was transferred to the Benedum and Trees

Oil Company.

Earl Patterson obtained permits to plug and abandon the J. R. Burns No. 1 in the north half of the southeast quarter of the southwest quarter of section 29-18-15 and the J. R. Burns No. 2 in the same section, both in Union county.

W. E. Allaun, trustee, obtained permit to plug and abandon the Moore Estate No. 1 test, 200 feet north and 200 feet west of the southwest corner of the southeast quarter of the northwest quarter of section 34-9-10 in Cleveland county.

The Lion Oil Refining Company filed log for the Marcus No. 4 test in Union county.

South Miller 10-2-38 Repressuring Considered 10-2-38

Special to the Gazette.

El Dorado, Oct. 1.—Possibilities of a repressuring program for the oil sand of the Miller county (Rodessa) field were discussed this week after the state Board of Conservation ordered a shutdown of all wells in the field from 7 a. m., October 20 to 7 a. m., October 27, while engineers of the Conservation Department study pressures in the sand in order to make recommendations for remedial measures to eliminate the gas waste "present or imminent." From October 1 to the shutdown period and thereafter until formal order of the board no well in the field will be allowed to produce more than 100 barrels a day.

The board declared that it had found that none of the operators in the field had been able to produce the maximum oil allowable under present proration schedules and that the amount of oil produced in the field per unit of gas is exceedingly low.

The order required that operators in the field make reports on tubing chokes and various pressures on their wells on any of the three days preceding the shutdown and on any of the three days after the shutdown.

An order reducing the production in the Jones sand of the Shuler field to 200 barrels daily beginning today, was held in abeyance until pressure tests are taken after October 7.

Two New Wells Completed.

Two Jones sand completions were recorded in the Shuler area this week, with three others waiting on casing and three more coring in the Jones sand.

The completions were the Dumas No. 2 of the Atlantic Refining Company in section 21-18-17, a southeast outpost and the Morgan A-6 of the Lion Oil Company in section 18-18-17. The Dumas No. 2, a quarter mile extension of the field is in the southeast corner of the northeast quarter of the northwest quarter of the section. Jones sand was cored from 7,608 to 7,644 feet with pipe set at 7,642 feet and perforated from 7,609 to 7,638 feet with 92 shots. The other completion was the Morgan A-6 of the Lion company in the southeast corner of lot 1 in the southwest quarter of section 18-18-17. The well encountered the Jones sand from 7,504 to 7,574 feet, with casing set at 7,674 and perforated from 7,550 to 7,570 feet with 120 shots.

The Phillips company is waiting on casing on two wells and the Lion on one. The Phillips wells are the Gann No. 2 in the northeast corner of the southeast quarter of the northeast quarter of section 18-18-17, in which sand was cored from 7,547 to 7,600 feet and pipe set at 7,680 feet, and the Sewell No. 4 in the southeast corner of lot 4 in the southwest quarter of section 7-18-17, in which sand was cored from 7,527 to 7,610 feet and casing set at 7,700 feet.

The Lion company is waiting on casing at 7,645 feet in the Marine No. 4 in the northeast corner of the southeast quarter of the southeast quarter of section 17-18-17, in which sand was cored from 7,563 to 7,613 feet.

Jones, Murphy and Hurley are coring in the Reynolds lime below 7,671 feet in their western outpost test the Murphy Land Company B-1, in section 13-18-18, after coring heavily saturated oil sand from 7,510 to 7,560 feet. The test is in the southwest corner of the south half of the west half of the southeast quarter of the northeast quarter of the section.

The Phillips company is coring in the Jones sand in two tests. The Sewell No. 2 in the southeast corner of lot 3 in the southwest quarter of section 7-18-17 is coring in the sand below 7,677 feet, with top of the formation at 7,611 feet. The Sewell No. 3 in the northeast corner of lot 5 in the southwest quarter of section 7-18-17 is coring in the sand below 7,661 feet, with top of the sand at 7,577 feet.

The Phillips company is drilling ahead on eight other tests. The Brian No. 1 in section 13-18-18 is drilling below 7,192 feet; the El Dorado No. 1 in sec-

tion 12-18-18, below 6,488 feet; the S. H. Goodwin No. 1 in section 19-18-17, 5,812 feet; the Millings No. 1 in section 18-18-17, below 5,727 feet; the C. H. Murphy No. 1 in section 19-18-17, below 3,885 feet; the J. W. Edwards No. 1 in section 17-18-17, below 3,586 feet, and the Sewell No. 5 in section 18-18-17, a Reynolds lime test, below 550 feet.

The Lion company is drilling ahead on seven tests, rigging up on an eighth and has made location for another. The Marine No. 5 in section 17-18-17 is drilling below 7,370 feet; the Powledge No. 1 in section 7-18-17, below 6,353

feet; the Henry No. 1 in section 12-18-18, below 6,124 feet; the Mayfield No. 6 in section 18-18-17, below 5,200 feet; the Sewell No. 2 in section 13-18-18, below 4,921 feet; the Marcus No. 5 in section 18-18-17, a Reynolds lime test, below 1,380 feet; the Nelson No. 3 in section 18-18-17 is drilling at 650 feet, and rigging up is under way on the Morgan A-7 in section 18-18-17. The new location is for the Marine No. 6 in the northwest corner of the southwest quarter of the northwest quarter of section 20-18-17.

The Sewell No. 1 of the Crescent Drilling Company in section 12-18-18 is drilling below 7,450 feet; the Callaway No. 2 of the Marine Oil Company in section 13-18-18, below 6,658 feet; the Powledge No. 1 of the Delta Drilling Company in section 21-18-17, below 5,648 feet; the Murphy Land Company E-2 of Jones, Murphy and Hurley in section 13-18-18, below 2,911 feet.

In the Snow Hill area of the Smackover field in Ouachita county, the Gulf Refining Company obtained permit for a test well to the Natacosh sand. The well will be the S. L. Johnson No. 5 in the southwest corner of the southeast quarter of the southwest quarter of section 29-15-15.

In section 5-18-14 in the Nick Springs area of Union county five miles southeast of El Dorado the Fohs Oil Company has made location for a big lime well, the Union Sawmill Company No. 1 in the center of the southeast quarter of the northeast quarter of the section. Clearing of location is reported in progress.

Five Drill Permits Issued.

Permits were issued by the Conservation Department to drill five new tests and to plug and abandon four.

The Lion Oil Refining Company obtained permits to drill three new tests, all in Union county. The Morgan A-7, 330 feet north and 660 feet west of the southeast corner of lot 7 in the southwest quarter of section 18-18-17; the Marcus No. 5 in the center of lot 5 in the northwest quarter of section 18-18-17, and the A. Nelson No. 3, 330 feet north and 660 feet west of the southeast corner of lot 6 in the southwest quarter of section 18-18-17.

Fred U. T. Smith of Ashdown obtained permit to drill the J. D. Waldrop No. 1 test, 330 feet north and 330 feet west of the southeast corner of the northwest quarter of section 4-13-31 in Little River county.

The Atlantic Refining Company obtained permit to drill the Levi Garrett No. 1 test, in the center of the northwest quarter of the southwest quarter of section 13-17-20 in Columbia county.

The Lion Oil Refining Company obtained permits to plug and abandon the Bilyeu No. 6 test, 200 feet south and 247 feet east of the northwest corner of the northeast quarter of the northeast quarter of section 8-16-15, and the Bilyeu No. 6, 200 feet south and 600 feet west of the northeast corner of section 8-16-15, both in Union county.

The Liberty Oil Company obtained permit to plug and abandon the Laney No. 5 in the center of the south half of the northwest corner of the southeast quarter of section 31-15-15 in Ouachita county.

J. D. Reynolds obtained permit to plug and abandon the McKenzie No. 4 test, 150 feet east and 640 feet south of the northwest corner of the southeast quarter of the northeast quarter of section 36-15-16 in Ouachita county.

Logs were filed by E. G. Bradham for the S. L. Robbins No. 1 test in Union county; by G. H. Vaughn for the N. Garrett No. 1 in Columbia county; by Edwin M. Jones for the Katherine Gallagher No. 1 in Union county, and by Paul D. Bowlen for the J. M. Stocks No. 1 in Nevada county.

One Gas, Five Oil Wells In During Week

Special to the Gazette.

10-9-38

El Dorado, Oct. 8.—Five producers were completed in the Jones sand of the Shuler field west of El Dorado this week, including one test which extends production a half mile to the west, and a big gas producer was completed in the Rainbow field east of El Dorado. The oil well completions ran the Shuler Jones sand total to 86 wells.

The outstanding completion was the Murphy Land Company B-1 test of Jones, Murphy and Hurley in Section 13-18-18, a half mile west of production and the first test completed in the section. The test, in the southwest corner of the south half of the west half of the southeast quarter of the northeast quarter of the section, cored the Jones sand from 7,510 to below 7,560 feet, and casing was set at 7,689 feet. Pipe was perforated from 7,535 to 7,555 feet.

Three of the completions were by the Phillips Petroleum Company, two in Section 7-18-17 and the other in Section 18-18-17. The first was the Gann No. 2, in the northeast corner of the southeast quarter of the northeast quarter of Section 18-18-17, which cored the sand from 7,547 to 7,600 feet. Casing was set at 7,680 feet and pipe was perforated from 7,572 to 7,598 feet with 238 shots. The Sewell No. 4 in the southeast corner of lot 4 in the southwest quarter of Section 7-18-17, cored Jones sand from 7,527 to 7,610 feet, with casing set at 7,675 feet and perforated from 7,566 to 7,601 feet with 289 shots. The other Phillips completion was the Sewell No. 2 in the southeast corner of lot 3 in the southwest quarter of Section 7-18-17, in which sand was cored from 7,611 to 7,655 feet. Casing was set at 7,749 feet and perforated from 7,652 to 7,672 feet with 180 shots.

The other completion was the Marine No. 4 of the Lion Oil Refining Company in the northeast corner of the southeast quarter of the southeast quarter of Section 17-18-17. The test cored the Jones sand from 7,563 to 7,613 feet, and casing was set at 7,645 feet and perforated from 7,560 to 7,571 feet with 63 shots.

Other Tests Await Casing.

The Phillips is waiting on casing at 7,713 feet in the Sewell No. 3 test in the northeast corner of lot 5 in the southwest quarter of Section 7-18-17, after coring sand from 7,577 to 7,625 feet. The same company is coring in the Jones sand below 7,563 feet in the Brian No. 1 test in the center of the north half of the northeast quarter of the southeast quarter of Section 13-18-18, with top of the sand at 7,511 feet. It is expected that operators also will core the Reynolds lime before casing is set for final testing in the sand.

The Lion Company is waiting on casing at 7,625 feet in the Marine No. 5 in the southeast corner of the northeast quarter of the southeast quarter of Section 17-18-17, after coring Jones sand from 7,573 to 7,622 feet.

The Phillips company is drilling ahead on seven other tests. The El Dorado No. 1 in Section 12-18-18 is drilling below 7,282 feet; the Goodwin No. 2 in Section 19-18-17, below 6,544 feet; the Millings No. 1 in Section 18-18-17, below 6,382 feet; the C. H. Murphy No. 1 in Section 19-18-17, below 5,495 feet; the Nelson No. 1 in Section 19-18-17, below 5,233 feet; the Edwards No. 1 in Section 17-18-17, below 5,210 feet, and the Sewell No. 5 in Section 7-18-17, below 2,225 feet.

The Lion Company is drilling ahead on seven tests and is rigging up on another. The Powledge No. 1 in Section 7-18-17 is drilling below 7,315 feet; the Henry No. 1 in Section 12-18-18, below 7,102 feet; the Mayfield No. 6 in Section 18-18-17, below 6,390 feet; the Sewell No. 2 in Section 13-18-18, below 6,132 feet; the Marcus No. 5 in Section 18-18-17, below 3,823 feet; the Nelson No. 3 in Section 18-18-17, below 2,755 feet; the Morgan A-7 in Section 18-18-17, below 1,937 feet, and the Marine No. 6 in Section 20-18-17 is rigging up.

Sewell No. 1 Drill Recovered.

The Crescent Drilling Company is preparing to core for the sand in its Sewell No. 1 test in Section 12-18-18, after recovering lost drill collar and bit at 7,590 feet.

The Marine Oil Company is drilling below 7,212 feet in its Callaway No. 2 test in Section 13-18-18. The Delta Drilling Company is drilling below 6,105 feet in its Powledge No. 1 test in and Hurley is drilling below 5,338 feet Section 21-18-17, and Jones, Murphy in its Murphy Land Company B-2 test in Section 13-18-18.

Furlow No. 1 Gas Well Completed.

The Rainbow city field east of El Dorado the Ohio Oil Company completed its Furlow No. 4 in Section 12-17-14 for a 50,000,000 cubic-foot gas producer. The test, in the northwest corner of the southwest quarter of the northeast quarter of Section 12-17-14, was plugged back to the Crain sand and perforated at 2,992 feet. The test is about a quarter mile north of the Raulston No. 1 gas producer of J. R. Lockhart and associates in the same section and little more than a quarter of a mile northwest of Lockhart's Raulston No. 2 oil producer.

Operations are expected to be started soon on the Union Sawmill No. 1 wildcat lime test of the Fohs Oil Company in the center of the southeast quarter of the northeast quarter of Section 5-18-14 five miles southeast of El Dorado.

Five New Drill Permits Issued.

Five permits to drill new tests and four to abandon old tests were issued by the state Conservation Department this week.

The C. and M. Drilling Company of

Horatio, obtained permit to drill the John Strawn No. 1 test, 330 feet south an' 330 feet east of the northwest corner of the southeast quarter of the southwest quarter of Section 17-10-32 in Little River county.

The Fohs Oil Company obtained permit to drill the Craig et al. No. 1 test, 660 feet north and 660 feet west of the southeast corner of the southeast quarter of the northeast quarter of Section 5-18-14 in Union county.

The Gulf Refining Company obtained permit to drill the S. L. Johnson No. 5 test, 380 feet east and 200 feet north of the southwest corner of the southeast quarter of the southwest quarter of Section 29-15-15 in Ouachita county.

The Gerhig Company of Arkansas obtained permit to drill the H. C. Mitchell No. 3 test, 330 feet north and 334 feet east of the southwest corner of the southwest quarter of the southeast quarter of Section 2-20-28 in Miller county.

The Lion Oil Refining Company obtained permit to drill the Marine No. 6 test, 330 feet south and 330 feet east

of the northwest corner of the southwest quarter of the northwest quarter of Section 20-18-17 in Union county.

The Gulf Refining Company obtained permits to plug and abandon three tests, the Flannigan No. 16, 2,290 feet north and 990 feet east of the southwest corner of Section 5-16-15 in Ouachita county; the Sid Umsted A-10, 2,440 feet north and 200 feet west of the southeast corner of Section 33-15-15 in Ouachita county, and the Julia G. Murphy No. 2, 1,090 feet east and 200 feet south of the northwest corner of Section 17-16-15 in Union county.

The Oil Field Supply and Metal Company obtained permit to plug and abandon the William Haynie No. 4 test, in the northeast quarter of the northeast quarter of the southeast quarter of Section 1-14-21 in Nevada county.

Logs were filed by W. E. Allaun, trustee, for the Moore estate No. 1 test in Cleveland county; by the Crescent Drilling Company for the Lena Lewis No. 1 test in Union county; by the Lion Oil Refining Company for the Dee No. 2 test in Union county; by Roberts and Murphy for the Leona No. 2 test in Union county; by the Lion Oil Refining Company for the Clarence No. 2 test in Union county; by the Gerhig Company of Arkansas for the H. C. Mitchell No. 2 test in Miller county; by Chambliss and Pitts for the H. C. Mitchell No. 1 test in Miller county, and by the Lion Oil Refining Company for the Morgan A-6 test in Union county.

OIL NEWS Shuler Field Well Total Reaches 104

Special to the Gazette. 10-16-38

El Dorado, Oct. 15.—Two completions in the Jones sand, making 88 for that level and 104 for the Shuler field, were recorded this week, while several others were coring in the Jones sand or Reynolds lime and one was waiting on casing for completion.

The completions were the Sewell No. 3 of the Phillips Petroleum Company in section 7-18-17, and the Marine No. 5 of the Lion Oil Refining Company in section 17-18-17.

The Sewell No. 3 encountered the Jones sand from 7,577 to 7,685 feet, with casing set at 7,713 feet and pipe perforated from 7,625 to 7,656 feet with 267 shots. The test is in the northeast corner of lot 5 in the southwest quarter of section 7-18-17.

The Marine No. 5, in the southeast corner of the northeast quarter of the southeast quarter of section 17-18-17, encountered the Jones sand in cores from 7,573 to 7,622 feet, with casing set at 7,625 feet and perforated from 7,576 to 7,585, with 57 shots and from 7,603 to 7,606 feet with 20 shots.

After coring Jones sand from 7,596 to 7,657 feet, operators set casing at 7,681 feet in the Brian No. 1 test of the Phillips Company in the center of the north half of the northeast quarter of the northeast quarter of section 13-18-19.

El Dorado No. 1 Cored Jones Sand. The same operators are coring in Jones sand below 7,635 feet in the El Dorado No. 1 test in the center of the south half of the northwest quarter of the southeast quarter of section 12-18-18, in which the sand was topped at 7,594 feet.

The Lion Oil Refining Company is coring in the Reynolds lime below 7,648 feet in the Henry No. 1 test in the southeast corner of the southeast quarter of the southeast quarter of section 12-18-18, after coring Jones sand from 7,522 to 7,590 feet.

The Marine Oil Company is coring ahead below 7,635 feet in the Callaway No. 2 test in northwest corner of the east half of the southeast quarter of the southeast quarter of section 13-18-

18 after coring Jones sand from 7,518 to 7,588 feet.

The Phillips Company is drilling ahead on six other tests in the area. The Goodwin No. 1 in section 19-18-17, is drilling below 7,500 feet and is preparing to start coring for the Jones sand. The Millings No. 1 in section 18-18-17, is drilling below 7,189 feet; the Edwards No. 1 in section 17-18-17, below 6,301 feet; the Nelson No. 1 in section 19-18-17, below 6,193 feet; the C. H. Murphy No. 1 in section 19-18-17, below 6,183 feet, and the Sewell No. 5 in section 7-18-17, below 4,396 feet.

The Lion Company is drilling ahead on six tests and preparing to spud in on a seventh. The Mayfield No. 6 in section 18-18-17, is drilling below 7,475 feet, and is preparing to start coring for the Jones sand; the Sewell No. 2 in section 13-18-18, is drilling below 6,955

feet; the Marcus No. 5 in section 18-18-17, below 5,717 feet; the Nelson No. 3 in section 18-18-17, below 5,185 feet; the Morgan A-7 in section 18-18-17, below 4,138 feet; the Marine No. 6, in section 20-18-19, below 2,063 feet, and drilling operations will be started soon on the Dee No. 3 in section 17-18-17.

The Delta Drilling Company is drilling below 6,426 feet in the Powledge No. 1 in section 21-18-17.

Jones, Murphy and Hurley is drilling below 6,310 feet in its Murphy and Company B-2 test in section 13-18-18. C. H. Murphy and associates are drilling below 1,278 feet in their Fee No. 1 test in section 13-18-18.

The Crescent Drilling Company abandoned its Sewell No. 1 test in the southwest corner of the northeast quarter of the northwest quarter of section 12-18-18 after failing to obtain a showing after drilling and coring to 7,721 feet. The abandonment is the second in the Jones sand. The other was the C. H. Murphy No. 1 of Jones, Murphy and Hurley in the northwest corner of lot 6 in the northwest quarter of section 19-18-17, which was dry and abandoned at 7,789 feet.

Two Drill Permits Issued.

Two permits to drill new tests and one to plug and abandon an old well were issued by the state Conservation Department.

J. R. Lockhart obtained permit to drill the W. N. Raulston No. 3 test, 330 feet north and 370 feet west of the southeast corner of the northwest quarter of the southeast quarter of section 12-17-14 in Union county.

The Standard Oil Company of Louisiana obtained permit to drill the J. P. McKean No. 4 test, 660 feet east and 560 feet north of the southwest corner of the northwest quarter of the southwest quarter of section 8-16-22 in Columbia county.

J. R. Lockhart obtained permit to plug and abandon the Ida Robertson No. 1 test, 450 feet north and 250 feet west of the southeast corner of the southeast quarter of the southeast quarter of section 36-10-11 in Cleveland county.

The Atlantic Refining Company filed logs for the Alice Baker No. 1 and the Harrington No. 1 tests in Columbia county.

Rainbow Field Test Obtains Good Showing 10-23-38

Special to the Gazette.

El Dorado, Oct. 22.—Four completions, one a quarter mile west extension, were recorded in the Jones sand of the Shuler field this week and another producer was indicated in the Rainbow field east of El Dorado when the Raulston No. 3 of J. R. Lockhart and Associates in Section 12-17-14 made a good showing in a drill stem test.

The completions made 92 for the Jones sand and 108 for the three producing levels in the area, there being five wells in the Reynolds lime and 11 in the Morgan sands. The Raulston well would make three producers in the new Rainbow sand.

The new Jones sand west extension is the Henry No. 1 of the Lion Oil Refining Company in Section 12-18-18, the first producer completed in the section. The well, in the southeast corner of the southeast quarter of the southeast quarter of the section, cored 68 feet of saturated oil sand from 7,522 to 7,590 feet. Casing was set at 7,671 feet and was perforated from 7,580 to 7,610 feet with 117 shots.

The Lion also completed its Powledge No. 1 test in the southwest corner of Lot 2 in the southwest quarter of Section 7-18-17 as a big producer. The test encountered Jones sand from 7,597 to 7,657 feet, with casing set at 7,690 feet and perforated from 7,633 to 7,653 feet with 120 shots.

The other completions were both in Section 13-18-18, making three in that section. The Phillips Petroleum Company completed its Brian No. 1 in the center of the north half of the northeast quarter of the southeast quarter early this week for a big producer. The well cored Jones sand from 7,511 to 7,603 feet, with casing set at 7,681 and perforated from 7,559 to 7,592 feet with 282 shots. The other completion was the

Callaway No. 2 of the Marine Oil Company in the northwest corner of the east half of the southeast quarter of the southeast quarter of the section. It was completed through perforations after sand had been cored from 7,518 to 7,586 feet and casing set at 7,725 feet.

Other Tests Await Casing.

The Phillips company is waiting on casing on two tests and is expected to set casing this week-end on another test, while the Lion company is waiting on casing on one well and is setting casing on another.

After coring sand from 7,594 to 7,661 feet the Phillips company is waiting on casing at 7,732 feet in the El Dorado No. 1 test in the center of the south half of the northwest quarter of the southeast quarter of Section 12-18-18, and is waiting on casing at 7,698 feet on the S. H. Goodwin No. 2 test in the center of the north half of Lot 1 in the northwest quarter of Section 19-18-17, after coring Jones sand from 7,564 to 7,614 feet. The same company is expected to set casing this week-end on the Millings No. 1 test in the southeast corner of Lot 4 in the southwest quarter of Section 18-18-17. Jones sand was cored in the test from 7,568 feet to below 7,600 feet.

The Lion company is waiting on casing at 7,730 feet in the Mayfield No. 6 test in the northwest corner of Lot 3 in the northwest quarter of Section 18-18-17, after coring Jones sand from 7,550 to 7,645 feet, and is setting casing below 7,625 feet in the Sewell No. 2 test in the northeast corner of the northeast quarter of the northeast quarter of Section 13-18-18, after coring Jones sand from 7,512 to 7,610 feet.

The Lion company is drilling ahead on five other tests and has made locations for three other tests on which operations will be started soon.

The Marcus No. 5 in Section 18-18-17 is drilling below 6,525 feet; the Nelson No. 3 in Section 18-18-17, below 6,224 feet; the Morgan A-7 in Section 18-18-17, below 5,803 feet; the Marine No. 6 in Section 20-18-17, below 3,890 feet, and the Dee No. 3 in Section 17-18-17, below 2,105 feet. The new locations are for the Bank No. 1 in the center of the north half of the southwest quarter of the southeast quarter of Section 12-18-17, the Nelson No. 1 in the southwest corner of Lot 5 in the southwest quarter of Section 18-18-17, and the Cecil No. 1 in the southeast corner of Lot 6 in the northwest quarter of Section 7-18-17.

The Phillips company is drilling ahead on four tests. The J. W. Edwards No. 1 in Section 17-18-17 is drilling below 7,351 feet; the C. H. Murphy No. 1 in Section 19-18-17, below 7,231 feet; the A. Nelson No. 1 in Section 19-18-17, below 7,155 feet, and the Sewell No. 5 in Section 7-18-17, below 6,150 feet.

Powledge No. 2 Stem Stuck.

The Delta Drilling Company is attempting to release drill stem stuck at 2,300 feet in its Powledge No. 1 in Section 21-18-17 with total depth of 7,000 feet. Jones, Murphy & Hurley is drilling below 7,300 feet in its Murphy Land Company B-2 in Section 13-18-18 and is preparing to start on their Murphy Land Company B-3 in the same section.

C. H. Murphy and Associates are drilling below 3,650 feet on their Fee No. 1 test in Section 13-18-18, and the Marine Oil Company has made location for its Callaway No. 3 test in the southeast corner of the south half of Lot 4 in the northwest quarter of Section 18-18-17.

In the Rainbow field J. R. Lockhart and Associates obtained a showing of 300 feet of oil in a three-minute drill stem test in their Raulston No. 3 test in the southeast corner of the northwest quarter of the southeast quarter of Section 12-17-14. Casing is being set in the top of the sand at about 3,000 feet, and the well is expected to be as large a producer as the Raulston No. 2 test, which has been pinched back to about 500 barrels daily.

Location has been made for the Raulston No. 4 test in the northwest corner of the northeast quarter of the southeast quarter of the same section.

Other Rainbow Tests Expected.

The Ohio Oil Company is erecting derrick for the Furlow No. 5 test in the southeast corner of the southwest quarter of the northeast quarter of section 12-17-14, an offset to the Raulston No. 2 producer. Plans are reported being made for several other tests in the new Rainbow area. Sam Richardson is reported planning to drill a test in the northeast quarter of the southeast quarter of section 7-13-17 on the Green Morris land and Zach Brooks and Associates are reported planning a test in the northeast quarter of the southwest quarter of section 7-17-13 on the Nash land.

The Arkansas state Conservation Department has issued permits to drill three new tests to plug and abandon one old test and to plug back and one old test and to plug back and perforate on another test.

Edwin M. Jones obtained permit to drill the Murphy Land Company B3 test, 660 feet north and 330 feet east of the southwest corner of the southeast quarter of the northeast quarter of the northwest corner of the southwest quarter of the northwest quarter of section 17-18-17 in Union county.

The Lion Oil Refining Company obtained permit to drill the Dee No. 3 test, 330 feet south and 330 feet east of the northwest quarter of section 17-18-17 in Union county.

F. W. Martin and Company of

Shreveport obtained permit to drill the Watts No. 1 test, 330 feet north and 335 feet west of the southeast corner of the southwest quarter of the northeast quarter of section 2-20-28 in Miller county.

Manning and Martin obtained permit to plug and abandon the Cartwright No. 1 test, 1,720 feet north and 1,550 feet east of the southwest corner of section 16-7N-8E in Crittenden county.

The Standard Oil Company of Louisiana obtained permit to plug back and perforate in the Nacatosh sand in the Sid Umsted No. 28 test, 373 feet north and 1,420 feet east of the northwest corner of the southwest quarter of the southeast quarter of section 32-15-15 in Ouachita county.

Logs were filed by the Arkansas Southern Oil Company for the Simmons A-2 and the Simmons A-3 in Union county; by Manning and Martin for the Cartwright No. 1 in Crittenden county; by J. R. Lockhart for the Ida Robertson No. 1 in Cleveland county, and for the W. N. Raulston No. 1 test in Union county; by Edwin M. Jones for the Murphy Land Company B-1 in Union county; by the Lion Oil Refining Company for the Marine No. 4 and the Marine No. 5 in Union county, and by the Gerhig Company of Arkansas for the H. C. Mitchell No. 3 in Union county.

Jones Well Total Climbs Toward 100

10-29-38

Special to the Gazette.

El Dorado, Oct. 28.—Three completions in the Jones sand of the Shuler field and one in the Crain sand of the Rainbow field were recorded in Union county this week, and another Jones sand well is expected to be completed this week-end. Two others are waiting on casing and three more are coring in the Jones sand or Reynolds lime.

The completion in the Rainbow field was the Raulston No. 3 of J. R. Lockhart and associates in the southeast corner of the northwest quarter of the southeast quarter of Section 12-17-14. The test encountered the Crain sand from 2,900 to 2,950 feet and flowed 47 barrels an hour when completed. Observers predicted the producers would be as big as the No. 2 well, which has been pinched back to production of 500 barrels daily.

Lockhart immediately announced location for the Raulston No. 4 and the Raulston No. 5 tests. The No. 4 will be an east off-set to the No. 2 and will be in the northwest corner of the northeast quarter of the southeast quarter of the section and the No. 5 will be an off-set to the No. 3 and will be in the southeast corner of the northwest quarter of the southeast quarter of the section.

The Sullivant No. 5 test of J. E. Crosbie, northeast of the new producer in Section 12-17-14, will be plugged back to the Crain sand.

Operations have started on the Furlow No. 5 test of the Ohio Oil Company in Section 12-17-14 north of the Raulston No. 2 test.

The three completions in the Shuler field make 94 producers in the Jones sand, and one of the completions extension is the El Dorado No. 1 test of the Phillips Petroleum Company in the center of the south half of the northwest quarter of the southeast quarter of Section 12-18-18. Jones sand was cored from 7,594 to 7,661 feet, with pipe set at 7,732 feet and casing perforated from 7,620 to 7,646 feet with 201 shots.

The Phillips also completed its S. H. Goodwin No. 2 test in the center of the north half of Lot 1 in the northwest quarter of Section 19-18-17. The test cored the Jones sand from 7,564 to 7,614 feet with casing set at 7,698 feet and pipe perforated from 7,585 to 7,608 feet with 97 shots.

The other completion was the Mayfield No. 6 of the Lion Oil Refining Company in the northwest corner of Lot 3 in the northwest quarter of Section 18-18-17, in which sand was cored from 7,550 to 7,645 feet, with casing set at 7,730 feet and perforated from 7,610 to 7,640 feet with 195 shots.

Sewell No. 2 Due In.

The Lion also is expected to complete its Sewell No. 2 test in the northeast corner of the northeast quarter of the northeast quarter of Section 13-18-18 this week-end. The test cored Jones sand from 7,512 to 7,610 feet and casing was set at 7,678 feet, with pipe to be perforated from 7,582 to 7,608 feet.

The Phillips Company is waiting on casing for the Millings No. 1 in the southeast corner of Lot 4 in the southwest quarter of Section 18-18-17 at 7,702 feet, after coring Jones sand from 7,567 feet to 7,632 feet, and at 7,740 feet in the Edwards No. 1 test in the center of the south half of the southwest quarter of the northeast quarter of Section 17-18-17, after coring Jones sand from 7,629 feet to below 7,680 feet.

The same company is coring in the Jones sand on two other tests. The A. Nelson No. 1 test in the center of the north half of Lot 3 in the northwest quarter of Section 19-18-17 is coring in the Jones sand below 7,630 feet with top of the sand at 7,582 feet. The C. H. Murphy No. 1 in the center of the north half of Lot 2 in the northwest quarter of Section 19-18-17 is coring in the Jones sand below 7,586 feet, with top of the sand at 7,570 feet.

Jones, Murphy and Hurley are coring in the Reynolds lime below 7,685 feet after coring Jones sand from 7,507 to below 7,569 feet in the Murphy Land Company B-2 test in the center of the south half of the northeast quarter of the northeast quarter of Section 13-18-18.

The Phillips Company is drilling below 6,720 feet in the Sewell No. 5 test in Section 7-18-17.

The Lion Company is drilling ahead on seven tests, rigging up on another and has made locations for two more. The Marcus No. 5 in Section 18-18-17 is drilling below 7,085 feet; the Nelson

No. 3 in Section 18-18-17, below 6,837 feet; the Morgan A-7 in Section 18-18-17, below 6,327 feet; the Marine in Section 20-18-19, below 5,211 feet; the Dee No. 3 in Section 17-18-17, below 4,605 feet; the Nelson No. 4 in Section 18-18-17, below 1,570 feet and the Bank No. 1 in Section 12-18-18, below 1,900 feet. The Cecil No. 1 in Section 7-18-17 is rigging up.

Two New Lion Locations.

The two new locations announced by the Lion are for the Mayfield No. 7 in the center of Lot 2 in the northwest quarter of Section 18-18-17 and the Marcus No. 6 in the center of Lot 3 in the southwest quarter of Section 18-18-17.

The Delta Drilling Company is drilling below 7,477 feet in the Powledge No. 1 test in Section 21-18-17; the Marine Oil Company is drilling below 1,500 feet on the Calloway No. 3 test in Section 18-18-17; Jones, Murphy and Hurley are moving in rig for the Murphy Land Company B-3 test in Section 13-18-18, and C. H. Murphy, et al, are drilling below 4,743 feet in the Fee No. 1 test in Section 13-18-18.

Six Drill Permits Issued.

The Arkansas state Board of Conservation has issued permits to drill six new wells, one to deepen an old test and permit was transferred for another.

The Ohio Oil Company obtained permit to drill the Riley Furlough No. 5 test, 330 feet north and 990 feet east of the center of Section 12-17-14 in Union county.

The Marine Oil Company obtained permit to drill the Calloway No. 3 test, 660 feet north and 660 feet west of the southeast corner of the south half of Lot 4 in the northwest quarter of Section 13-18-17 in Union county.

The Lion Oil Refining Company obtained permits to drill the Bank No. 1 test, 330 feet south and 660 feet east of the northwest corner of the southwest quarter of the southeast quarter of Section 12-18-18; the Nelson No. 4 test, 330 feet north and 660 feet east of the southwest corner of Lot 5 in the southwest quarter of Section 18-18-17; and the Cecil No. 1 test, 330 feet north and 660 feet west of the southeast corner of Lot 6 in the northwest quarter of Section 7-18-17, all in Union county.

Bruce E. Wallace obtained permit to drill the Tilyou No. 1 test, 370 feet north and 330 feet west of the southeast corner of the southeast quarter of the southeast quarter of Section 26-8-24 in Pike county.

The Lion Oil Refining Company obtained permit to deepen the Hays B-7 test, 220 feet east and 200 feet south of the northwest corner of Lot 2 in the northwest quarter of Section 3-16-15 in Union county.

Permit issued to the Phillips Petroleum Company for the C. H. Murphy No. 2 was changed to the Shattford No. 1 test, 330 feet north and 330 feet east of the southwest corner of the northwest quarter of the northwest quarter of Section 17-18-17 in Union county.

Logs were filed by the Atlantic Refining Company for the Dumas No. 2 test in Union county and by the Standard Oil Company of Louisiana for the J. D. Warren No. 2 test in Columbia county.

at 8,650 feet for **10-29-38**

Interest in South Arkansas development centered on what looms as the third well for the Kerr-Lynn Permian line field east of Magnolia, Columbia county. It was C. H. Vaughn's Garrett No. 1, Section 14-17-20, which cored to total depth of 7,522 feet and was running Schlumberger after drill stem test at 7,483 feet showed 36 stands of oil and six stands of water, slightly brackish.

The other active test in the area, Atlantic Refining Co's Garrett No. 1, Section 13-17-20, drilled ahead at 6,875 feet.

In the Buckner field, also in Columbia county, Standard of La.'s J. P. McKean No. 4, Section 7-16-22, drilled ahead after setting 9 5/8-inch casing at 2,063 feet. In the Village area, also in Columbia, Standard's Harris No. 1, Section 15-17-19, was below 3,810 feet.

In Pike county, a new wildcat location was staked by Bruce E. Wallace at Tilyou No. 1, Section 26-8-24.

Rainbow Field Back in Oil Spotlight

11-13-38

Special to the Gazette.

El Dorado, Nov. 12.—Considerable play in the Rainbow area east of El Dorado drew the spotlight this week as only one Shuler well was recorded.

That well, the 100th producer in the Jones stratum, was the C. H. Murphy

No. 1 of the Phillips Petroleum Company in section 19-18-17. Completed Monday, the well made 281 barrels during the first six hours. It since has made 150 barrels a day on a 16-64th-inch choke.

Play in the Rainbow area, which figured largely in the early days of the El Dorado oil boom, has been centered in production coming from approximately 3,000 feet. The latest addition is the J. E. Crosbie Sullivant No. 5 on section 12-17-14. The test, brought in at 3,000 feet, was worked over. The well made a head of oil that went over the top. It has been placed on a pump and is expected to produce 150 barrels a day.

Operators of Bradham's W. N. Raulston No. 1 in section 12-17-14 have been making drill stem tests and have set casing. Its probable completion would create considerably more play in the area.

In an entirely new section the G. E. Snuggs, Sebersky and Bylick, Jerry Heirs No. 1 in section 28-17-14 in the Nick Springs area, was reported coring the Nacatosh formation this week-end. The well, being drilled by J. B. Miller and associates, encountered the formation at 2,238 feet and cored to 2,262 feet. Oil streaks were reported to have been found in the cores and the formation was reported checking favorably.

Casing Set on Sewell No. 1.

In the Shuler field the Phillips Company's Sewell No. 5, corner of Lot 5, southwest section 7-18-17, has been drilled to 7,800 feet and casing has been set preparatory to shooting and completion.

The Lion Oil Refining Company's Nelson No. 3 in section 18-18-17 is reported drilling at 7,500 feet, a few hundred feet short of coring sand.

Operators of the Lion Morgan A-7 in section 18-18-17 have set seven-inch casing and completions is expected soon.

The Delta Drilling Company is reported running seven-inch casing in its Powledge No. 1, southwest corner, northwest-southwest in section 21-18-17 preparatory to shooting.

Slated for completion this week, the Phillips Company's Edwards No. 1 on section 17-18-17, swabbed in dry yesterday and work will be resumed. The completion has been delayed for several days, but it is expected to be brought in soon.

The C. H. Murphy et al Fee No. 1 on section 13-18-18 is drilling below 6,470 feet; the Lion's Nelson No. 4 in section 18-18-17, below 5,100 feet; the Lion's Marine No. 6 in section 20-18-19, below 6,525 feet; the Lion's Dee No. 3 in section 17-18-17, below 6,396 feet, and the Lion's Bank No. 1 in section 12-18-18, below 5,926.

The Phillips J. E. Shattford No. 1 in section 17-18-17 is waiting on derrick, as is the Phillips Miller No. 2 in section 18-18-17.

Lion's Marcus No. 1 is waiting on rig.

Three Permits Issued.

The list of permits issued follows: To E. G. Bradham to drill the W. N. Raulston No. 1, 330 feet south and east of northwest corner, northwest quarter, southeast quarter section 12-17-14 in Union; to Phillips Petroleum Company to drill the A. J. Miller No. 2 (permit issued in lieu of permit to drill S. H. Goodwin No. 1) in section 18-18-17; to Phillips company to drill B. Brian No. 2 (permit issued in lieu of permit to drill Marine No. 7) in section 13-18-18.

Permits to plug and abandon were issued to the following: Standard's Edna Umsted "C" No. 5 in section 5-16-15, Ouachita county; Standard's J. Goodwin "B" No. 5 in section 5-16-15, Ouachita county; Standard's J. Goodwin "B" No. 6 in section 5-16-15, Ouachita county; Standard's M. W. Hardy et al No. 28 in section 9-16-15, Ouachita county; Standard's M. W. Hardy et al No. 3 in section 9-16-15, Ouachita county, and Standard's R. Bennett "B" No. 8 in section 32-15-15, Ouachita county.

Petroleum From Shu'er Field Analyzed by U. S. Bureau.

Gazette 11-26-38

Washington, Nov. 25 (AP).—The Interior Department's Bureau of Mines announced today the completion of an analysis of petroleum from the Shuler field in Union county, Arkansas.

The field was discovered in April, 1937, following geophysical exploration, the bureau reported, and its total productive area has not been determined.

"The crude oils produced in this field come from three general horizons. The oils from the highest producing formation, the Morgan zone (lower trinity) are of the paraffin base type, while those of the deeper levels, the Jones sand (lower marine) and Reynolds lime are intermediate in character, according to the Bureau of Mines system of classification," the report said.

Samples of crude oil from the Shuler field were collected and analyzed in cooperation with the Arkansas Geological Survey and the Arkansas Board of Conservation.

The bureau said a sample obtained from Morgan "D" sand "has a gravity of 41.9 degrees A. P. I., a sulphur con-

tent of 0.54 per cent, a carbon residue of 2.3 per cent, and is a paraffin base oil, whereas a sample from the Jones sand has a gravity of 32.1 degrees, A. P. I., a sulphur content of 1.55 per cent, a carbon residue of 3.8 per cent and is intermediate in base." The report added "this is one of the rare cases where a paraffin base crude oil is produced from an upper horizon in relation to intermediate or naphthene base oils from lower horizons."

Officials said that while a portion of the Shuler field's production comes from a few wells in the Morgan zone at 5,500 to 6,000 feet, the greatest production at present is from the Jones sand at 7,500 feet. A few wells also have been drilled to the Reynolds lime at 7,600 feet.

Drilling In El Dorado Area Slow

11-27-38

Special to the Gazette.

El Dorado, Nov. 26.—Oil development in the Shuler deep area and the Rainbow City shallow stratum was at a standstill this week, with only one successful producer reported. Drilling, however, is going ahead in both areas and several completions are expected next week.

The completion was the E. G. Bradham Raulston No. 1 in the northwest corner of the northeast quarter of the southeast quarter of Section 12-17-14, in the Rainbow field.

The well flowed 65 barrels an hour through a three-eighth-inch choke. Potential production will be based on performance of the well during a five-hour test run. The well is reported making pipeline oil of excellent grade.

Its completion was postponed last week when the seven-inch casing seat gave way and operators were forced to halt operations until a new five-inch string of casing could be run into the well.

Raulston No. 2 Planned.

Mr. Bradham said yesterday he would move rig immediately to a Raulston No. 2 location of the southwest corner of the northeast quarter of the southeast quarter of Section 12-17-14.

Richardson and Murphy's Morris well in Section 7-17-13 of the Rainbow City field was reported making excellent showings. The test was reported flowing in drill stem tests and indicated it would develop into a good producer. Operators are coring ahead. The oil sand was encountered at a higher level than that of other tests in the area.

The J. E. Crosbie, Inc., well in Section 12-17-14 was reported showing as a gasser. No estimate of the amount of gas produced was obtainable.

The Ohio Oil Company is reported encountering oil sand in the Furlow level of Section 12-17-14.

Two Other Tests Started.

Two other tests are being started in the area and others are reported ready to spud in soon. J. R. Lockhart is reported moving in for another test on the Raulston farm in the northwest corner of the southeast of the southeast of Section 12-17-14, and Brooks and associates are reported building derrick on the Nash land in Section 7-17-13.

No producers were recorded in the Shuler area this week. The Morgan A17 in Section 18-18-17, completed about 10 days ago, was recompleted this week and ran 558 barrels during a 24-hour test, the Arkansas Conservation Board report said.

Two other tests in the Shuler area probably will be completed next week. They are the Lion Oil Refining Company's Bank No. 1 in Section 12-18-18 and the Fee No. 1 of C. H. Murphy and associates in Section 13-18-18. Casing is being run in the Lion well and pipe has been set in the Murphy test.

Other wells in the Shuler area nearing the completion stage follow: Lion Marcus No. 5 in Section 18-18-17, drilling by junk at 7,671 feet; Lion Nelson No. 2 in Section 18-18-17, drilling below 7,293 feet; Lion Dee No. 3, fishing for drill stem pipe at 7,597; Lion Marine No. 6 in Section 20-18-19, washing to bottom at 6,825 feet; Lion Mayfield No. 7 in Section 18-18-17, drilling below 6,277 feet; Marine Calloway No. 3 in Section 18-18-17, drilling below 6,600 feet; Jones, Murphy and Hurley Murphy Land Co. B-3, in Section 13-18-18, drilling below 5,451 feet; Lion Cecil No. 1 in Section 7-18-17, drilling below 7,225 feet.

Permits at Record Low.

Issuance of permits this week hit an all-time low. Only two permits were filed with the Conservation Board and one permit to plug and abandon was issued.

The Ohio Oil Company obtained a permit to drill the Riley Furlough No. 6, Union county, 330 feet north and east of the southwest corner, southeast quarter, northeast quarter, Section 12-17-14.

Wadley & Erwin et al. of Texarkana obtained permit to drill the C. W. Taylor No. 1, Lafayette county, in the center of the northeast quarter of the southwest quarter of Section 15-19-26.

The Gulf Refining Company obtained permit to plug and abandon its Sid Umsted No. 5, Ouachita county, 1,120 feet south, 220 feet east of the northwest corner of Section 32-15-15.

The Standard Oil Company of Louisiana filed log on its Tena Crumpler No. 1 in Columbia county. The Phillips Petroleum Company filed logs on its Alice Nelson No. 1, Milling No. 1 and its C. H. Murphy No. 1, all in Union county.

Fourth Producer Completed In Shreveport's 'Backyard.'

Special to the Gazette.

Shreveport, La., Nov. 26.—Addition of

a fourth oiler in the Shreveport "backyard" field and the first within the northwest city limits, topped developments this week in the Shreveport district.

The new producer was Rodessa Oil and Refining Company and C. H. Lyons' Chandler No. 1, SW SE Section 34-18-14, which is cleaning itself after perforating casing in the basal Glen Rose lime pay from 5,546-50 feet. Early performance indicated it would be the best oiler in the field.

The completion widened the field to the southeast and is expected to stimulate much new activity, especially within the city limits.

New Test Made at Meyer No. 1.

On the bank of Cross Lake, the city's water supply, C. D. Lee's Meyer No. 1, Section 33-18-14, mile and a half south outpost, was making new test after plugging back and re-perforating casing in the top part of the lime from 5,600-5,608 feet.

Harry Hanbury arranged to spud Lowe No. 1, Section 23-18-14, a new mile and half outpost to the northeast. Two locations north of production, R. E. Allison spudded and was below 2,500 feet in Jones-Mabry No. 1, Section 21-18-14.

Attention has centered on Arkansas Fuel Oil Company's Webb No. 1, Section 4-16-13, Caddo parish wildcat southeast of Shreveport at Lucas, which is coring past 4,875 feet in the top part of the Glen Rose lime. The well, about 11 miles southeast of the Shreveport field discovery, checked normally with the strike on base of the massive anhydrite.

On the south flank of the Cotton Valley field, Webster parish, where a steady campaign has been under way for development of gas-distillate production from the Lower Marine, a third oiler was added last week from the "D" sand in this formation. It was Midstates Oil Corporation's Welori No. 1, Section 3-20-10, which made 541 barrels the first 24 hours through 1-4 inch choke. Casing was perforated from 8,519-33 feet for completion.

The south limit of the field, however, was defined in two directions as Oliphant Oil Company abandoned two tests as failures, Stewart B-1, Section 5-20-10 and Fred Banks No. 1, Section 2-20-10.

In the Driscoll area, Bienville parish, Arkansas Fuel Oil Company's Davis B-1, Section 7-16-4, an east off-set to the discovery gas-distillate well of the field, was waiting on casing on producing string of casing at 7,201 feet.

Magnolia Petroleum Company's Pardee C-1, Section 17-23-11, Lower Marine test in the Carterville field, Webster parish, drilled ahead in this formation at 9,640 feet without showing. Northeast of the Sibley field, Webster parish, Union Producing Company's Walker Unit No. 1, Section 30-8-8, a proposed 8,000-foot test, drilled ahead below 1,750 feet after straightening hole.

In the Bull Bayou area, Red River parish, Magnolia's Pugh 59, Section 12-12-11, an 8,000-foot test, drilled ahead below 5,575 feet after setting a protective string of casing. Zwolle Syndicate's Mansfield No. 1, Section 8-7-14, northwest outpost in the Blue Lake field, Sabine parish, was waiting orders after no showing on test from 3,862-68 feet.

Lafayette Wildcat Planned.

On a 10,000-acre block, J. K. Wadley et al. were moving in for a new Lafayette county (Arkansas) wildcat at Taylor No. 1, Section 15-19-26. The well, contracted to go 6,300 feet, will test along a northeast projection of the Rodessa field fault system.

In the Miller county extension area of the Rodessa field, on the edge of production, Merritt and Lyons were moving in materials for a new operation at Mitchell No. 1, northeast Southwest Section 2-20-28.

In the Kerr-Lynn field east of Magnolia, Columbia county, a new location has been staked by Atlantic Refining Company at Barnett No. 1, southwest southeast Section 14-17-20. The field, with four oilers from the 7,500-foot Permian lime zone, now has three active operations.

Standard Oil Company's Harris No. 1, Section 15-17-19, in the Village pool, Columbia county, drew attention as the week ended as it drilled ahead below 7,300 feet, in the Permian lime pay section. Six miles south of the field, the wildcat test of Tidewater Associated Oil Company at Beane No. 1, Section 15-18-19, drilled ahead below 7,645 feet.

Six miles southeast of El Dorado, the Union county Permian lime test of

Shuler Field Adds Two Producers 12-4-38

Special to the Gazette.

El Dorado, Dec. 3.—Completion of two producers in the Jones stratum of the Shuler field, west of here, highlighted the week's oil activity in this area, but of much interest was the announcement that six new wells would be sunk soon in the shallow Rainbow City field, east of here.

The completions in the Shuler field were the Fee No. 1 of C. H. Murphy and Associates and the Lion Oil Refining Company's Bank No. 1. The Murphy completion, in the center of the north half of the southeast of the northeast of Section 12-18-18, was gauged at 117 barrels an hour through a one-eighth inch choke. The Lion producer, checked at 40 barrels an hour on a test run, is in the southwest quarter of the southeast quarter of Section 12-18-18.

Locations for the new Rainbow City tests have not been announced, but Sam Richardson and others will begin testing on their well in 7-17-13 tomorrow. An offset to the Richardson test is planned by Goodwin and associates in the southwest of the northwest of the same section.

In Section 12-17-14 Bradham's Raulston No. 2 has set surface casing. The Lockhart Raulston No. 5 in Section 12-17-14 in drilling below 1,500 feet. Lockhart also has made location for his Raulston No. 6 in the same section.

Brooks and Associates have completed derrick and are moving rig onto the Nash land in Section 7-17-13.

Three Jones Tests Announced.

Three new locations for Jones stratum tests in Shuler were announced. They are the Fee No. 1 of C. H. Murphy and associates in the northwest corner of the southwest quarter of the northeast quarter of Section 13-18-18, on which Derrick is being erected; the Roberts and Murphy Leona No. 3 in the center of Lot 6 of the southwest quarter of Section 7-18-17, and Phillips Petroleum Company's Sewell No. 9 in Section 7-18-17.

Other wells in the Shuler field nearing the interesting stage follow:

Lion, Marcus No. 5, in the center of lot 5 to the northwest of Section 18-18-17, drilling beside drill pipe at 7,674 feet; Lion Nelson No. 4 in the southwest corner, lot 5, in Section 18-18-17, coring below 7,670 feet; Lion Dee No. 3 in the northwest corner of the southwest of the northwest of Section 17-18-17, washing over drill pipe at 7,597 feet; Marine Calloway No. 3 in the southeast corner of the south half of lot 4, northwest in Section 18-18-17, drilling below 7,221 feet; Lion Marine No. 6, northwest corner, southwest, northwest in Section 20-18-19, drilling below 7,240 feet; Lion Mayfield No. 7, in the center of lot 2, northwest in Section 18-18-17, drilling beside pipe at 7,674 feet.

Progress of other Shuler wells follows: Lion Marcus No. 6, in the center of lot 2, southwest in Section 18-18-17, waiting on rig; Lion Cecil No. 1, in the southeast corner of lot 6, northwest in Section 7-18-17, seven-inch casing set; Lion Sewell No. 3, northeast in lot 4, northwest in Section 18-18-17 (lime well), rigging up; Phillips, J. W. Edwards No. 1 in the center of the south half, to the southwest, northeast in Section 17-18-17, installing Sullivan pneumatic heads; Phillips J. E. Shatford No. 1 in the southwest corner, northwest, northwest in Section 17-18-17, drilling at 2,965 feet; Phillips Brian No. 2 in the center of the south half, northeast, southeast in Section 13-18-18, drilling below 2,965 feet; Phillips Miller No. 2 in the center of the north half of lot 4, southwest in Section 18-18-17, drilling below 3,790 feet; Phillips H. P. Sewell No. 6, 330 feet south, 660 feet west of the northeast corner of lot 3, southwest in Section 7-18-17, set 19 3-4 inch casing at 2,071 feet; Phillips Brian No. 3, center of north half, northwest southeast in Section 13-18-18, drilling below 3,675 feet; Phillips El Dorado No. 2, 330 feet south, 660 feet east, northwest corner, northwest, southeast in Section 12-18-18, set 10 3-4 inch casing at 2,085 feet; Phillips Amanda No. 1, center of the south half, northeast, southeast in Section 12-18-18, set 10 3-4 inch casing at 2,069 feet; Phillips Amanda No. 2, northeast, southeast in Section 12-18-18, set 16-inch casing at 193 feet; Jones, Murphy and Hurley, Murphy Land Company B-3 in the center of the west half, southeast, northeast in Section 12-18-18, drilling below 6,168 feet.

Columbia Field Hearing Saturday.

The Arkansas Board of Conservation will meet and hear evidence next Saturday to determine the daily amount of crude oil and natural gas that may be produced from the Magnolia field in Columbia county, Chief Conservation Agent A. M. Crowell has announced. He

requested that all operators in the field attend the session.

The United States Bureau of Mines reported recently the daily allowable for Arkansas was 50,000 barrels, 22,400 of which are from prorated fields and 27,900 from unprorated fields.

Five Drill Permits Issued.

The Board of Conservation announced five new permits to drill and one to plug and abandon had been issued.

Merritt and Lyons obtained permit to drill the E. B. Mitchell No. 1, 990 feet south, 330 feet west of the center of Section 2-20-28 in Miller county.

The Atlantic Refining Company obtained permit to drill the F. Barnett No. 1, center of southwest quarter of

southeast quarter of Section 14-17-20 in Columbia county.

Robert and Murphy obtained a permit to drill the Leona No. 3, 660 feet south, 660 feet east in the northwest corner of lot 6, southwest quarter of Section 7-18-17 in the Shuler field of Union county.

C. H. Murphy and others obtained permit to drill their Fee No. 2, 643 feet east, 330 feet south of the northwest corner to the southwest, northeast, Section 13-18-18 in the Shuler field at Union county.

One new permit to drill was issued to J. R. Lockhart to drill his Raulston No. 1 in the Rainbow City field of Union county. The test will be in the southwest quarter of the southeast quarter of Section 12-17-14, a section which has seen much activity during the past few weeks.

A permit to plug and abandon was issued to the Ohio Oil Company for its Riley Furlough No. 6, 330 east, 330 north of the southwest corner of southeast quarter of northeast quarter in Section 12-17-14.

The following logs were filed with the board: Phillips Petroleum Company, H. P. Sewell No. 5, Union county; Lion Oil Refining Company, Morgan A-7, Union county; F. W. Martin & Co., Watts No. 1, Miller county; Lion Oil Refining Company, Nelson No. 3, Union county, and G. H. Vaughn et al., Levi Garrett No. 1, Columbia county.

Report on Arkansas Oils And Petroleum Discussed 12-14-38 Gazette

O. C. Blade of Bartlesville, Okla., assistant petroleum chemist for the United States Bureau of Mines who is attached to the bureau's petroleum experiment station at Bartlesville, conferred with George C. Branner, state geologist, yesterday on a report to be published concerning oils and petroleum in Arkansas.

Mr. Blade began field work last summer, and sent many samples of crude oils to Bartlesville for analysis. The report, to be published jointly by Mr. Blade and Dr. Branner, will deal with the geology of the petroleum deposits, by Dr. Branner, and their chemistry, by Mr. Blade.

Four Wells Completed In Shuler Boom 12-18-38

Special to the Gazette.

El Dorado, Dec. 17.—Production in the Shuler field, west of El Dorado, boomed this week with the completion of three Jones sand wells by the Lion Oil Refining Company, and a Reynold lime well by the Marine Oil Company. Another shallow producer was completed in the Rainbow City field, east of El Dorado. Several wells are nearing the interesting stage in that area and many are reported ready for testing.

The first two Lion wells completed were the Marine No. 6 and the Dee No. 3. The Marine No. 6, located in the northwest corner of the southwest quarter of the northwest quarter of section 20-18-19, and the Dee No. 3, in the northwest corner of the southwest quarter of the northwest quarter of section 17-18-17, was estimated to be producing 50 to 60 barrels an hour each through small chokes.

The Lion completed its Mayfield No. 7 in the Jones stratum Tuesday for a producer estimated at 30 barrels an hour through a small choke. The Mayfield No. 7 is in the center of Lot 2 of the northwest quarter of section 18-18-17.

The fourth Shuler producer was the Marine Oil Company's Calloway No. 3 in the southeast corner of the south half of Lot 4 of section 18-18-17. Perforated in deep lime, the well was tapped between 7,658 and 7,663 feet. It flowed 30 barrels an hour through a 12-64-inch choke.

The lone Rainbow completion was the Raulston A-1 of J. R. Lockhart in

section 12-17-14. The well is reported good for 500 barrels a day and more than 3,000,000 cubic feet of gas was recorded in a one-day test. Bradham's Raulston No. 2 in the northeast of the southeast of section 12-17-14, was reported as preparing to make final tests.

The Goodwin-Markwick well in that area also is preparing to make tests preparatory to completion.

Of interest to veteran oil men is the fact that Chal Daniels is superintending drilling on the Godwin-Markwick test. Daniels since has drilled hundreds of wells in Louisiana, East Texas and Arkansas and is reported to have made and lost several fabulous fortunes.

January Allowables Set.

The Conservation Board, holding its monthly meeting here Friday, reset the Shuler Jones sand allowable of 15,000 barrels daily and the Reynolds lime quota of 200 barrels per well daily, and set a field allowable of 2,000 barrels daily for the Shuler Reynolds lime. An allowable of 4,300 barrels daily was set for the lower Gloyd section of the South Miller field, but restrictions on the upper Gloyd section were removed.

18 Wells Now Drilling.

Eighteen wells in the Shuler field were well under way. They follow:

Lion Marcus No. 6, center of Lot 3, in the southwest of section 18-18-17, drilling at 4,466 feet; Lion Edna No. 3,

in the south half of the northeast of the northeast of section 18-18-17, set 10 3-4 inch casing at 1,931 feet, now drilling at 2,625 feet; Lion Henry No. 2, in the north half of the southeast of the northeast in section 12-18-18, waiting on rig; Lion Sewell No. 3, northeast of Lot 4, northwest in section 18-18-17 (lime well) drilling at 4,260 feet; Phillips J. E. Shatford No. 1, southwest corner of the northwest of the northwest of section 17-18-17, drilling at 6,008 feet; Phillips Brian No. 2, center of the south half of the northeast of the southeast in section 13-18-18, drilling at 5,950 feet; Phillips Brian No. 3, in the center of the north half of the northwest of the southeast of section 13-18-18, drilling at 6,236 feet; Phillips Miller No. 2, in the center of the north half of Lot 4 of the southwest in section 18-18-17, drilling at 6,535 feet; Phillips H. P. Sewell No. 6, 330 feet south, 660 feet west of the northeast corner, Lot 3, southwest in section 7-18-17, drilling at 5,675 feet; Phillips Sewell No. 7, 330 feet north, 330 feet east, Lot 4, southwest in section 7-18-17, drilling at 4,700 feet; Phillips No. 8, 1,300 feet south, 425 feet east, Lot 4, to the southwest of section 7-18-17, drilling at 5,712 feet; Phillips Sewell No. 9, 330 feet south, 330 feet east, Lot 4, northwest in section 7-18-17, made location; Phillips El Dorado No. 2, 330 feet south, 600 feet east, northwest corner, northwest, southeast, section 12-18-18, drilling at 5,874 feet; Phillips Amanda No. 1, center of the south half northwest, southeast in section 12-18-18, drilling below 5,762 feet; Phillips Amanda No. 2, northeast, southeast in section 12-18-18, drilling at 4,931 feet; Jones, Murphey and Hurley, Murphy Land Company B-3, in the center of the west half, southeast, northeast in section 13-18-18, coring ahead below 7,667 feet; C. H. Murphy et al., Fee No. 2, northwest, southwest, northeast in section 13-18-18, drilling at 3,310 feet; Roberts and Murphy Leona No. 3 in the center of Lot 6 southwest in section 7-18-17, waiting on rig.

The Arkansas Board of Conservation has issued four new permits to drill and 10 permits to plug and abandon.

Permits were issued to: Lion Oil Refining Company for its Edna No. 3, 660 feet west, 330 feet north of the southeast corner of the northeast quarter of the northeast quarter in section 18-18-17, Union county; Lion Oil for its Henry No. 2, 660 feet west, 990 feet north of the southeast corner in section 12-18-18, Union; J. H. James, trustee, for his Sturgis Lumber Company No. 1, in Hot Spring county; E. G. Bradham for his W. N. Raulston No. 2, 330 north and east of the southwest corner of the northeast quarter of the southeast quarter of section 12-17-14, Union.

Permits to plug and abandon were issued to: Standard Oil Company for its J. H. Alphin wells Nos. 1, 2, 3, and 6 in Union county; A. L. Kitselman for his A. L. Kitselman Jr., No. 2, Pulaski county; Standard for its M. W. Hardy et al No. 27, Union; Standard for its A. Flenniken "A," Union; Standard for its F. Murphy "C" Nos. 2, 3, 5 in Ouachita county.

Logs were filed by the Lion for its F. Cecil No. 1 and Bank No. 1 in Union; O. F. Whitaker for his Edwards No. 1 in Nevada county, and A. L. Kitselman for his A. L. Kitselman Jr. No. 2 in Pulaski.

Columbia Test Planned.

East Texas Refining Co. was reported planning a new test on a block in southeast Columbia county, extending over into Union county, on which it drilled a test to the Travis Peak at 5,417 feet in section 7-19-18 in 1936. The oil well was six miles southeast of Tidewater's Beene No. 1 looming field opener.

Sharing attention in the Shreveport field with the Allison outpost, was Harry Hanbury's Lowe No. 1, section 23-18-14, 1 1-4 mile northeast outpost, which drilled ahead below 4,675 feet. On top of the massive anhydrite, the well checked practically level with the discovery producer.

Three new locations were staked in the field. Hurricane Petroleum Co. made location for North No. 1, southeast northeast section 34-18-14; R. E. Allison for Ellerbe No. 6, northeast northeast section 23-18-14 and Francis Kernan for Kahn et al No. 1, section 35-18-14.

Shreveport Tracts Offered.

The Shreveport City Council called for bids December 27 on two tracts near production in the field, an 82-acre tract in section 35-18-14, on which the Municipal golf course is located, and a 10-acre tract in section 34-18-14, on which a pump station is located.

In the Carterville field, Webster parish, Mangolia Petroleum Co. abandoned as dry its Pardee C-1, section 17-23-11, lower Marine test, at 10,066 feet. It is the seventh well to go below 10,000 feet in the Ark-La-Tex district.

Continental Oil Co. was rigging up for a new Madison parish wildcat at Singer No. 3, southwest northwest section 2-15-11. It is the third drilled on a recently discovered salt dome, and located about midway between the first and second tests, which were three-fourths mile apart.

Magnolia Petroleum Co.'s Pugh 59, section 12-12-11, deep test in the Bull Bayou field, Red River parish, drilled ahead below 6,475 feet. At Sibley, Webster parish, Union Producing Co.'s Walker 1, section 30-18-8, was at 5,320 feet.

Ickes Sees Coal as Source of Motor Fuel When Petroleum Runs Out

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which is subjected to tremendous heat and pressure in the presence of hydrogen. Various oils are obtained, which must be refined further to make suitable motor fuels. Several other processes have been developed abroad—one of them using coke instead of coal, and another employing the tar or pitch which is a by-product of coke manufacture.

insisting for years that unless our oil producers are more careful this day is rapidly approaching, it is hoped that motor fuel from other sources can be supplied so efficiently and cheaply that the transfer can be made without drastic economic disturbance.

Although Ickes did not dwell on details of the Bureau of Mines work, inquiry revealed that experiments have been in progress at the Pittsburgh experimental plant for more than a year.

Coal Is Processed.

As an important supplement to this work, the bureau is classifying the various types of American coal. Some types are more amenable than others to the processes for making oil.

Coal hydrogenation—the process for obtaining oil from coal—has been applied, with some success and more publicity, in England, Germany and Japan for some time. Officials of the Bureau of Mines claim no sensational developments in their hydrogenation work, and make no extravagant predictions either as to the ultimate success or the impending need for synthetic oil.

"We are merely seeking a substitute to use when our petroleum is gone, whenever that may be," it was explained.

Although unable to obtain plans for similar hydrogenation plants abroad, the Pittsburgh laboratory has been able to produce a small quantity of oil from coal. The cost is uneconomic as yet, however.

Under the so-called Bergius process used there, about four tons of coal are required to manufacture one ton of gasoline. The gasoline obtained contains only 40 to 45 per cent of the energy in the coal used.

A small-scale continuous plant, capable of hydrogenating 100 to 200 pounds of pulverized coal in 24 hours, is operating. Under the Bergius process, the pulverized coal is mixed with oil to form a paste,

New Process Of Extracting Oil Developed

Government Is Vitally
Interested in Synthetic
Method, He Says.

Yet Uneconomic But Researchers Hope to Improve Method by Experimentation.

By BASCOM TIMMONS.
(Democrat Washington Correspondent.)

Washington, D. C.—By the time our oil fields approach depletion, the government's experiments, to find a substitute may be so well advanced that the transition to the new fuel may be made with a minimum of economic disturbance, Secretary of Interior Harold L. Ickes predicted today.

In his annual report to President Roosevelt, Ickes warned that depletion is "rapidly approaching" unless oil producers are "more careful."

Commenting on Bureau of Mines tests to make a synthetic oil from coal, the secretary said:

"By the time our oil fields approach depletion (and I have been

However, the Bureau of Mines has selected the Bergius method because it has proven feasible for the production of lubricating oils. According to many engineers, the country's petroleum shortage will be reflected first in lubricating oils, and the Pittsburgh experimenters are working to relieve the "pinch" when it occurs.

The best information here is that the German search for synthetic lubricants has not been greatly successful. The story is told that when the German army entered Austria after anschluss, their motorized equipment was sent by rail to a point near Vienna where it was unloaded for the drive into the city under its own power. It is said that the Germans feared their synthetic lubricants would not have stood the strain of cross-country driving.

Germany's reported difficulties with lubricants has made the American experimenters all the more determined to succeed.

The search for synthetic oil is based on the expectation of a future petroleum shortage. Just when that will come about, government experts are hesitating to predict.

Lafayette County Permian Lime Test Down 5,125 Feet.

Special to the Gazette. 12-17-38

Stamps, Dec. 17. — In Lafayette county Shell & Ohio's Nannie Warren No. 1 in section 13-16-25, Permian lime test, southeast of Stamps, is drilling ahead at 5,125 feet in sand and lime. Much interest is centered on this well, as it would be the first producer for Lafayette county and this section. Several dry holes have been abandoned, but much leasing has been done. Several seismograph companies have had their crews taking pictures and testing soil formations. Lafayette county is divided only by the Dorcheat creek from Columbia county, where the Buckner field now has eight producing wells.

Warren No. 1 Lime Wildcat In Lafayette, Spuds In.

Special to the Gazette. 12-4-38

Lewisville, Dec. 4.—The Ohio and Shell Oil Companies' Warren No. 1, a Permian lime wildcat, in the southeast quarter of the southeast quarter of Section 13-16-24, Lafayette county, spudded in yesterday. It is scheduled to go to 8,500 feet if necessary. Lewisville business men have completed a two and a half mile gravel road from Lewisville city limits to the well.

New Drilling At Record Low In Shuler

Special to the Gazette

El Dorado, Dec. 24.—A record was established this week when the Shuler field of Union county failed to report a single new drilling permit for the second consecutive week. Six permits to drill in other fields have been issued.

The Magnolia field in Columbia county claimed the spotlight for the week, two tests being brought in in that area. They were the Petroleum Finance Company's Barnett No. 1 in section 14-17-20 (Kerr-Lynn field) and the Southwood Oil Company's Garrett No. 1 in the same area. They were the fifth and sixth producers in that field.

No completions were recorded in the Shuler field but indications were that several would near the final testing stages next week. Several wells in the Rainbow City field, east of El Dorado in Union county, also were reported nearing final testing.

Metering Hearing Awaited. Scouts, drillers and operators are awaiting with interest the scheduled hearing here Thursday on proposed metering of producing wells, proration for the new Columbia county field, located six miles south of Village, and requests for special permits to drill in the Magnolia field in Columbia county.

Latest drilling permits follow: Standard Oil Co. of La., to drill the S. T. Crone No. 3 in section 8-16-22, Columbia county; to J. R. Lockhart to drill the Nonie Jerry No. 1 in section 12-17-14, Union county; Standard to drill the A. Lewis No. 1 in section 15-17-19, Columbia county; to the F. & H. Oil Co., Shreveport, La., to drill the Fred Watson No. 1 in section 2-20-26, Miller county; to F. W. Martin & Co., to drill the Bloomberg Bank

No. 1, Miller county; to F. W. Martin & Co. to drill the T. C. Watts B-1 in section 1-20-28 in Miller county.

The Fohs Oil Company obtained a permit to plug and abandon its Craig No. 1 in Union county, section 5-18-14. The Craig well figured largely in oil excitement several weeks ago, when it was believed to have been brought in for a successful producer. The well at first indicated that production would be assured in a deep sand, but later it began flowing salt water. It was believed by officials that the water may have been seeping into the well through a faulty casing seat, but further tests proved fruitless.

Shuler Lull Due to End This Week

Special to the Gazette. 1-1-39

El Dorado, Dec. 31.—A Christmas to New Year lull in oil activities in south Arkansas is expected to be shaken off next week, when rigs and outfits in both Rainbow and Shuler fields in Union county will start operating full time again. Several concerns shut down before Christmas.

Attention of the oil fraternity was focused this past week on hearings held here by the Arkansas Board of Conservation on proposed metering of pipelines from producing wells, issuance of special permits and proposed orders for the new Atlanta field. The new field, formerly known as the Beene field, has only one producing well, but it has shown such potential producing power that completion of other good wells is expected soon.

The proposal for metering met stiff opposition from the Standard Oil Company of Louisiana, the Lion Oil Refining Company and the Phillips Petroleum Company. The board deferred a ruling on the matter, pending further study, because of the bulk of testimony offered.

The special permits were granted without a dissenting vote to two Columbia county operators: Mrs. N. L. Baker, to drill a well in Section 13-17-20, and the McAlester Fuel Company, to drill in Section 14-17-20 of Columbia county.

Atlanta Orders Due This Week. Orders for the new Atlanta field will be issued early next week. Chief Conservation Agent A. M. Crowell said. He said that the rush of business in the conservative office and the drawing up of a proposed proration and regulation bill for submission to the legislature would keep his staff busy over the week-end.

Copies of the proposed statute have been mailed to all members of the legislature. It would give the Conservation Board more power to deal with oil problems arising in the state.

Four permits to drill, in addition to those issued specially by the board Thursday, have been obtained by operators in Miller and Columbia fields. Not a single permit was issued to drill in Union county.

The permits were issued to: J. R. Frankel, trustee, for the Fred Watson No. 1, 330 feet from the west and north lines of the southeast quarter of Section 2-20-28, Miller county; to the Gehrig Company of Arkansas for its Fred Watson No. 1 in Section 2-20-28, Miller county; to the Southwood Oil Company, Inc. et al., for the J. O. Hutcheson No. 1 in Section 14-17-20, Columbia county, and to the Southwood for the J. O. Hutcheson No. 2 in Section 14-17-20, Columbia county.

No new locations were reported in the Shuler field, but several are being made in the Rainbow City field despite the fact that the purchase of crude from that area by the Root Petroleum Company has been cut considerably.

Rainbow Test Stated. Sam Richardson is expected to begin drilling in the Rainbow City field soon on the Oliver lease southwest of the southwest in Section 7-17-13. Brooks, Mullins and associates have set casing in their Rainbow test in Section 7-17-14 and will drill through cement soon. Bradham's Raulston No. 3 in Section 12-17-14 in Rainbow has set surface casing and is drilling ahead.

S. H. Alexander of New York, who will drill the P. W. Gaddy test, has rigged up in the northwest corner of the northwest of the northwest of Section 13-17-14.

In the Shuler field several wells are nearing the interesting stage. The Lion Oil Refining Company's Marcus No. 6 in Section 18-18-17 is drilling at 7,130 feet, and the Lion Edna No. 3 in Section 18-18-17, at 6,420 feet. The Phillips Petroleum Company is coring at 7,545 feet on its Brian No. 3 in Section 13-18-18. The Phillips Sewell No. 7 is drilling at 6,696 feet in Section 7-18-17. The Lion Sewell No. 3 in Section 18-18-17 is drilling at 6,500 feet in search of the Reynolds

lime. The Phillips Sewell No. 6 in the same section is nearing pay dirt at 7,215 feet, while the Phillips El Dorado No. 2 in Section 12-18-18 is drilling below 7,245 feet. The Phillips Amanda No. 1 in Section 12-18-18 has been drilled to 6,747 feet, where operators are fishing for four joints of pipe. Drilling is expected to be resumed as soon as the pipe is taken from the hole. The Phillips Amanda No. 2 in the same section is drilling at 6,772 feet. The Fee No. 2 well of C. H. Murphy et al. in Section 13-18-18 is drilling at 6,021 feet.

At least eight other wells in the Shuler area are between rigging up and setting surface and 10 3-4 inch casing and will not reach level levels for several weeks.

Shuler Field Adds Four Producers

1-15-39

Special to the Gazette.

El Dorado, Jan. 14.—Union county's Shuler oil field, which had a dull holiday season, regained its stride this week, with four new wells reported, two each by the Lion Oil Refining Co. and the Phillips Petroleum Co.

First completion was Lion's Marcus No. 8 in the center of Lot 3 of the southwest quarter of section 18-18-17. Flowing through a small choke, the well was estimated capable of producing 32 barrels an hour. It was completed from the Jones sand with 30 shots from 7,664 to 7,668 feet.

Two Wells In Yesterday.

The second Lion well, brought in today, was the Edna No. 3 in the southeast corner of the northeast quarter of Section 18-18-17, in the Jones sand. Flowing through a small choke, the well made 50 to 60 barrels per hour.

Phillips' first well was the Brian No. 2 in the center of the south half of the northeast quarter of the southeast quarter of section 13-18-18. It was estimated, on small choke, in the class of other producers from the Jones sand.

The second Phillips well, completed today, was the El Dorado No. 2 in the northwest corner of the northwest quarter of the southeast quarter of Section 12-18-18, which flowed from the Jones stratum through a small choke at the rate of 33 barrels an hour.

Seven-inch casing has been set in the Phillips company's Sewell No. 6 in the northeast corner of Lot 3 of the southwest quarter of section 7-18-17 and in the Sewell No. 8 of the southwest quarter of section 7-18-17. Phillips also is preparing to start final testing of its Amanda No. 2 in the northeast of the southeast of section 12-18-18. Seven-inch casing was set yesterday.

The Phillips Amanda No. 1 in the center of the south half of the northeast of the southeast in section 12-18-18, has been drilled to 6,747 feet where operators are being held up while fishing for lost tools.

The Lion has set seven-inch casing in its Sewell No. 3 in the northeast of Lot 3 to the northeast of the southeast of the northeast in section 18-18-17. The casing was set at 7,731 feet.

Lion's Henry No. 2 test in the northeast of the southeast of the northeast of section 12-18-18 is rigging up and drilling is expected to start soon.

The Phillips Sewell No. 7, 330 feet

north, 420 feet east of Lot 4, to the southwest in section 7-18-17, is drilling to 7,735 feet and operators are running a Schlumberger test.

The Phillips company has made location for a new test, the Sewell No. 9, 330 feet south, 330 feet east in Lot 4 to the southwest of section 7-18-17 and rig is expected to be moved in next week.

The C. H. Murphy et al Fee No. 2 in the northwest of the southwest of the northeast in section 13-18-18 is drilling at 7,557 feet and will test within a week or 10 days; Jones Murphy and Hurley's J. C. Morgan No. 1 in the southwest corner of the northeast quarter of the northwest quarter in the same section is drilling ahead below 5,579 feet. The J. C. Morgan No. 2 well of the same company in the same section is drilling at 3,375 feet.

Roberts and Murphy Leona No. 3 in the center of Lot 6 in the southwest quarter of section 7-18-17, is drilling below 3,534 feet.

Indications of a "good producer," which would mean a half-mile extension to the southwest in the Raulston sand of the Rainbow City field have been reported by operators for S. S. Alexander, who are drilling a well in section 13-17-14 on Gaddy interests in the northwest corner of the northwest quarter of the northwest quarter of the area. It was reported that the well produced 250 feet of oil in 17 minutes under 450 pounds pressure in the drill stem.

Other interests in the Rainbow area are drilling around 1,000 to 2,000 feet this week-end.

Hearing on Waste Friday.

Another hearing has been called here Friday by A. M. Crowell, chief conservation agent for Arkansas, to determine whether crude oil and natural gas are being wasted or whether such waste is imminent.

The board will seek to determine the amount of crude oil and natural gas which may be produced without waste in the following fields:

Buckner, Magnolia and Village fields in Columbia county; the South Miller county field; Shuler field (Jones sand and Reynolds lime) Union county, and the Atlanta field in Columbia county.

Since the December hearing of the Conservatio Board, at which a proposal for metering of all fields in the state was discussed, the board has been holding informal meetings almost daily. Royalty owners petitioned the board for metering, but this has met with much opposition from oil companies.

Two Producers In Week Mark Shuler Revival

1-15-39 Gazette

Special to the Gazette.

El Dorado, Jan. 7.—The completion of two producers in the Shuler field this week reopened activity in this area after a slow holiday season.

First completion was the Miller No. 2 Reynolds lime test of the Phillips Petroleum Company in the center of the north-half of the north-half of the southwest quarter of Section 18-18-17. Flowing through a quarter-inch choke, the well made 276 barrels on a 19 3-4-hour test. It was the first well completed in the Shuler field in several weeks.

The second completion also was a Phillips well, the Brian No. 3 in the center of the north-half of the northwest quarter of the southeast quarter of Section 13-18-18, which was brought in Thursday. The well made 15 barrels of high gravity crude an hour through a 20-64-inch choke.

Two Others Due Soon.

Two other Phillips wells in Shuler are nearing completion, the Brian No. 2 and the Sewell No. 6. The Brian test, in the center of the south-half of the northeast quarter of the southeast quarter of Section 13-18-18, cored Wednesday between 7,570 and 7,649 feet, drilled to 7,700 and ran a Schlumberger test. Seven-inch casing was run into the well Thursday night, preparatory to final testing. The Sewell No. 6, 330 feet south, 660 feet west of the northeast corner, lot 3 southwest in Section 7-18-17, cored Thursday night at 7,606 to 7,620 feet.

The Lion Oil Refining Company's Marcus No. 6 in the center of lot 3 of the southwest quarter of Section 18-18-17, ran a Schlumberger near the week-end and reamed down after casing at 7,675-7,685 feet. The Lion's El No. 3 in the southeast quarter of the northeast of the northeast of the northeast in the same section, cored at 7,564-7,604 feet and topped sand at 7,574. The Lion's Henry No. 2 in Section 12-17-18 is waiting on a rig preparatory to starting drilling. The Lion's Sewell No. 3, to the northeast quarter of lot 4 in the northwest quarter of Section 18-18-17, a lime well, is drilling at 7,540 feet.

Phillips Petroleum Company's Sewell No. 6 in Section 7-18-17 is drilling at 7,353 feet and the company's Sewell No. 8 in the same section is coring ahead between 7,617 and 7,641 feet. The No. 9 Sewell test has made location to drill in Section 7-18-17 and will begin moving in rig soon. The Phillips El Dorado No. 2 in Section 12-18-18 is drilling ahead at 7,753 feet and is

preparing to run a Schlumberger test. On the Phillips Amanda No. 1 in Section 12-18-18 operators still are fishing for four joints of pipe, and work is expected to be delayed indefinitely. The Amanda No. 2 in the same section is drilling ahead at 7,554 feet.

The Fee No. 2 of C. H. Murphy et al. in Section 13-18-18, is drilling at 6,748 feet, while the J. C. Morgan No. 1 of Jones Murphy and Hurley in the same section is drilling at 3,907 feet.

No New Shuler Permits.

Shuler operators have not obtained permits to drill in that area for about a month, but permits to drill other wells were issued to the following: The Deep Rock Oil Corporation for its A. C. Wesson No. 1, 550 feet south, 660 feet west of the northeast corner of the southeast quarter of the northeast quarter of Section 25-13-18, Ouachita county; the Carlisle Oil Development Co. for its Walthour-Flake No. 1, 1,283 feet south, 345 feet east of the northwest corner of Section 10-1-17, Lonoke county; Lyons and Merritt for their Matlock No. 1, 660 feet north, 990 feet west, southeast corner of Section 2-20-28, Miller county.

Permit to plug back and perforate at 3,015 feet was issued to the Ohio Oil

Company for its Furlough No. 3 in Section 12-17-14, Rainbow City field, Union county. Permit to plug and abandon well was issued to Sam Skear for his J. N. Thomas No. 1 in Section 12-20-28, Miller county.

Shuler Again Reports Four Good Wells

1-22-39

Special to the Gazette.

El Dorado, Jan. 21.—The Shuler oil field experienced another boom week this week when four producing wells were brought in, three by the Phillips Petroleum Company and one by the Lion Oil Refining Company. Phillips, Lion and other operators are preparing to bring in at least three more in the Shuler area and operators in the Rainbow City field, east of El Dorado, are preparing to bring in a shallow well which would extend production.

The Phillips company first completed the Sewell No. 6 and the Sewell No. 8. The former, in the northwest corner of Lot 3 of the southwest quarter of section 7-18-17, flowed 20 barrels an hour through a small choke. It was completed from the Jones stratum with casing perforated with 175 shots from 7,622 to 7,650 feet. The Sewell No. 8 in Lot 4 of the southwest quarter of section 7-18-17, produced 199 barrels of crude oil in a nine-hour test run through a small choke.

Phillips' third completion was its Amanda No. 2 in section 12-18-18 in the west edge of the Shuler field. It flowed 325 barrels in nine hours through a small choke and was by far the best well of the three brought in by Phillips.

The Lion company early in the week completed its Sewell No. 3 in the Reynolds lime. Located in the northeast corner of Lot 4 of the northwest quarter of section 18-18-17, it flowed 27 barrels hourly through a small choke after being perforated with 27 shots from 7,674 to 7,679 feet.

C. H. Murphy and associates have run seven-inch casing in their Fee No. 2 for final testing. Located in the northwest corner of the southwest quarter of the northeast quarter of section 13-18-18, it has produced several encouraging cores.

Phillips is preparing to bring in its Sewell No. 1 in Lot 4, section 7-18-17. Phillips crews are drilling and coring below 6,754 feet on the Amanda No. 1, in the center of the south half of the northeast quarter of the southeast quarter of section 12-18-18.

Other Shuler Drilling Slow.

Only three other Shuler wells are drilling.

Jones, Murphy and Hurley's J. C. Morgan No. 1 in the southeast corner of the northeast quarter of the northwest quarter in section 13-18-18, is drilling below 6,163 feet. The Morgan No. 2 of the same firm, located in the same section, is drilling below 4,813 feet.

The Leona No. 3 of Roberts and Murphy, in the center of Lot 6 in the southwest quarter of section 7-18-17, is drilling below 4,635 feet.

The proposed Henry No. 2 test of the Lion Oil Refining Company, located in the northeast quarter of the southeast quarter of the northeast quarter of section 12-18-18, has put up rig, preparatory to drilling and is awaiting further orders.

The Phillips company's Sewell No. 9, 330 feet south, 330 feet east of Lot 4 in the southwest quarter of section 7-18-17, has made location and will begin moving in rig.

In the Rainbow field, S. S. Alexander of New York has set approximately 3,000 feet of final casing on the Gaddy No. 1 in section 13-17-14 and testing is expected soon. The well showed considerable oil and gas in a drill stem test a week ago. The well would extend production a half-mile southwest of proved territory. Mr. Alexander, who has been operating in this area for a comparatively short time, has obtained much acreage in section 12-17-14 and 13-17-14 within the past month. Completion of the well would result in considerable other drilling.

Arkansas Board of Conservation reported that Jones, Murphy and Hurley had obtained permit to drill two wells in the Shuler field, the Morgan Nos. 3 and 4. The No. 3 is in section 13-15-18 and the No. 4 in section 13-18-18. Location is expected to be made next week, and Edwin M. Jones is expected to begin moving in rigs soon.

The only other permit was issued to Webb and Franks for the P. C. Grayson No. 1 in the southwest corner of the northwest quarter of the southeast quarter of section 4-14-20, Nevada county.

Oil Workers Ask Pay Increase.

Members of the oil fraternity are watching with great interest a proposal by the El Dorado Local 434, Oil

Workers International Union, for pay increases of \$1 a day for all drilling crew employees in this area. A resolution in support of the demand was approved unanimously at a meeting of the union here this week. The union is an affiliate of the Congress of Industrial Organization.

Reynolds Allowable Increased.

Following a hearing yesterday at El Dorado, the Arkansas Board of Conservation set an allowable of 3,000 barrels of crude oil daily for the 13 wells producing from the Reynolds lime in the Shuler field. Operating under the lower current allowable of 200 barrels a day, the wells produced approximately 2,550 barrels of crude during the past month.

The board also increased the allowable for the Magnolia (Kerr-Lynn) area by setting the field output at 3,000 barrels daily, an increase of 1,000 barrels daily. The eight wells in the area formerly produced 250 barrels a day. The board stipulated that as more wells in the field were completed, the individual well allowables will be cut back to conform to the 3,000-barrel mark.

Allowables for other fields will remain as follows: Jones sand, Shuler, 15,000 barrels daily; Buckner, 200 barrels daily for each of 12 wells; Village, 200 barrels daily for each of four wells; South Miller county, 4,200 barrels daily for the 115 wells.

Shuler Field Drilling At Record Low

1-29-39

Special to the Gazette.

El Dorado, Jan. 28.—Activities in the Shuler oil field west of El Dorado are at probably the lowest ebb since the field was opened up more than 18 months ago. Only four wells now are being drilled, although permits to drill have been issued for two more, one has made location to drill, and another is awaiting orders.

The only Shuler completion of the week was the Fee No. 2 of Charles H. Murphy and associates. The well, in the northwest quarter of the southwest quarter of northeast quarter of section 13-18-18, is flowing 25 barrels an hour through a 16-64th-inch choke.

The major completion in the state was the Gaddy No. 1 test of S. S. Alexander, a New York operator, in the Rainbow City shallow field, east of El Dorado. The well, in the northeast corner of the northwest quarter of section 13-17-14, ran 250 barrels of pipeline oil in five hours through a 28-64th-inch choke shortly after its completion from the Crain sand.

New Drilling Foreshadowed.

Its completion is expected to presage much drilling in the vicinity of Rainbow's tested and untested areas, as it was brought in a half-mile southwest of proved production. The Rainbow field, discovered about 12 years ago, has been the scene of many spurts of activity. Several old wells have been plugged back to new producing levels and are performing satisfactorily. Known as an erratic field throughout its development, the new level also has registered several salt water wells.

The Gaddy has been watched closely by the oil fraternity, and other locations are expected to be announced soon. It was drilled by the J. R. Lockhart Drilling Company.

Scheduled for completion soon in the Shuler field is the Amanda No. 1 of the Phillips Petroleum Company, in the center of the south half of the northeast quarter of the southeast quarter of section 12-18-18. The test is drilling at 7,473 feet and coring will be started soon. The Amanda No. 2

of the Phillips was brought in last week.

J. C. Morgan No. 1 Nears Test.

Another well nearing pay sand is the Jones, Murphy and Hurley's J. C. Morgan No. 1, in the southeast corner of the northeast quarter of the northwest quarter of section 13-18-18. The test is drilling below 7,006 feet.

Going down rapidly but still several thousand feet away from production is the Leona No. 3 of Roberts and Murphy, in the center of Lot 6 in the southwest quarter of section 7-18-17. The well is drilling below 5,298 feet.

Two new permits to drill have been issued to the Sklar Oil Company of Shreveport, La., for the J. S. Murphy No. 10, 454 feet south, 178 feet east of the northwest corner of the west half of the southwest quarter of the northeast quarter of section 9-16-15, Union county, and to the Atlantic Refining Company for its A. S. Crisp No. 1, 652 feet east, 660 feet south of the northwest corner of the northwest quarter of the southeast quarter of section 23-17-20, Columbia county.

Logs were filed by the Lyons-Merritt Oil Company for the E. B. Mitchell No. 1, Miller county; the Lion Oil Refining Company for its Edna No. 3 and Marcus No. 6, Union county, and the Normandie Oil Company for its Levi Garrett No. 1, Columbia county.

Oil Drilling Boom Seen For Spring

Gazette 2-26-39

Special to the Gazette.

El Dorado, Sept. 25.—South Arkansas oil operators looked forward this weekend to an intensive drilling campaign during the spring. Many companies held back during the winter by bad weather and minor labor troubles, reported that drilling activities would go ahead soon in Rainbow and Shuler sectors.

Jones, Murphy & Hurley brought in the J. C. Morgan No. 2, in the northeast corner of the southeast quarter of the northwest quarter of section 13-18-18 for the only completion in the Jones sand of the Shuler field this week. One other Shuler well, the Leona No. 3 of Roberts & Murphy, is nearing the testing stage. It is located in the center of lot 6 of the southwest quarter of section 7-18-17.

Gulf Refining Company is perforating the Fagg No. 1, an old well in the Griffin area in section 7-16-16. J. B. Franks is drilling two shallow wells in Nevada county on the Gryson tract, and Berry Asphalt is drilling two on the Grove Land and Timber Company tract, all four wells are in section 4-14-20.

During the past two weeks permits to drill were issued by the Arkansas Board of Conservation, which was supplanted this week by the newly created Arkansas Oil and Gas Commission. The commission, provided for under the Mason Oil and Gas bill, held its organization meeting Thursday.

The Lion Oil Refining Company said that locations for two of its several new permits had been made in the Shuler field and that several others would be made within 10 days. Several locations are being held up pending reports of company geologists.

Location has been made by the Lion company for the Clay No. 1 in the northeast corner of the southeast quarter of the southwest quarter of section 12-18-18, Shuler field. Work will start within 10 days.

The Lion reported rigging up was under way on the Murphy Land Company No. 1 in the southwest corner of the northwest quarter of the northeast quarter of section 13-18-18. Location has been made for the Clay No. 2 in section 12-18-18, but drilling plans are incomplete.

Lion operators are drilling ahead at 5,285 feet on their Henry No. 2 in the northeast quarter of the southeast quarter of the northeast quarter of section 12-18-18. The test is expected to be near pay sand soon. Rainbow operations were at a standstill this week, but operators expect to begin soon a new series of tests, which would extend the field in several directions.

Calhoun Wildcat Planned.

J. R. Lockhart, drilling contractor, who has done considerable development work in the Rainbow sector and extensive wildcat drilling in the south Arkansas area, will start work within 10 days on a wildcat deep test in Calhoun county, about 28 miles north of El Dorado. The test, the J. R. Lockhart Kraft No. 1, will be in the northwest quarter of the northwest quarter of section 17-14-13. The test is about two miles due south of Hampton, Calhoun county seat, and about 1,000 feet from Highway 167.

Operators have reinforced the derrick and will move in two large boilers next week. Lockhart plans to drill to 5,000 feet or deeper. The company also plans to construct a board plank road from the highway to the well.

Immediate interest of the south Arkansas oil fraternity centered this week around the meeting of the new oil and gas commission, which must issue permanent regulations March 3 and 4 for all controlled fields in Arkansas.

Given power to regulate proration and activities of the oil fields by the new law, the board formerly had to carry out its work through co-operation with operators.

O. C. Bailey, chairman of the old Conservation Board, was elected head of the new Oil and Gas Commission and announced today that the personnel of the old board would be retained. Alex M. Crowell will continue as chief conservation agent.

Temporary orders slashing the daily allowable of the lower Gloyd area of the south Miller county field were issued by the commission Thursday. Permanent orders will be studied Friday and Saturday, when the commission will meet again to take testimony on fixing allowables of other controlled fields.

Nine Permits Issued.

During the past week nine permits were issued for new wells and one permit was issued to perforate for a new sand. The permits cover a wide range, including four in Columbia, two in Ouachita, five in Nevada and one in Miller county.

The drilling and deepening projects are:

Chamblee & Pitts, drill H. C. Mitchell No. 2 in southwest corner east one-half southwest southeast 2-20-28, Miller county; Vaughn & Hunt, drill A. S. Crisp No. 1 in center of southeast northwest 23-17-20, Columbia county; Atlantic Refining Company, drill Levi Garrett No. C-1 in center southwest southeast 13-17-20, Columbia county; Atlantic Refining Company, drill Levi Garrett No. D-1, in center northeast northwest 24-17-20, Columbia county; Tide Water Associated Oil and Seaboard Oil companies, drill J. A. Price No. 1 in center northeast southwest 15-18-19, Columbia county.

J. B. Franks, drill P. G. Grayson No. 2, 150 feet northwest southeast corner northwest southeast 4-14-20, Nevada county; J. B. Franks, drill P. C. Grayson No. 3 well, 150 feet north and east southwest corner northwest northwest southeast 4-14-20, Nevada county; Berry Asphalt Company, drill Grove Land and Timber Company No. 1, 330 feet west and 165 north section North one-half, northeast southwest 4-14-20, Nevada county; Berry Asphalt Company, drill Grove Land and Timber Company No. 2 165 feet north and east, southwest, southwest northwest 4-14-20, Nevada county; Phillips Petroleum Company, deepen J. D. Reynolds No. 1 in section southeast northwest 27-15-15, Ouachita county; Gulf Refining Company, perforate in new sand Fagg No. 1 in 7-16-16, Ouachita county.

H. L. Hunt will plug and abandon two wells in Ouachita and Wadley & Erwin will plug and abandon one in LaTayette. Logs were filed on one in Nevada and two in Union.

Permits For Four New Wells Issued

3-5-39

Special to the Gazette.

El Dorado, March 4.—Only one completion in the Shuler and Union county area was reported this week, but additional permits to drill were issued by the Arkansas Oil and Gas Commission.

The completion was the Leona No. 3 of Roberts and Murphy. Completed in the Jones sand, the well is producing on a par with other completions in that area, operators said. It is in the center of Lot 6 of the southwest quarter of section 7-18-17.

Henry No. 2 to Perforate Soon.

The Lion Oil Refining Company reported this week-end that perforating of the Henry No. 2 in the Shuler field would be started within 10 days. Located in northwest quarter of the southeast quarter of the northwest quarter of section 12-18-18, the well is drilling below 6,228 feet. Operators said the well would be drilled about 1,000 feet deeper before final testing.

Derrick is being erected and drilling is expected to begin soon on the Lion Oil's Clay No. 1 test in the northeast corner of the southeast quarter of the southwest quarter, section 12-18-18. No work has been done on the Lion's Clay No. 2, located in section 13-18-18, although location has been decided on.

Phillips Petroleum Company's field operators on the J. D. Reynolds No. 1, an old test in the Snow Hill area of Union county, section 27-15-15, are arranging to plug back to the Meekin stratum at 2,750 feet in search of additional production.

Operators of the Lion's Murphy Land Company No. 1 in the southwest corner of the northwest quarter of the northwest quarter of section 13-18-18, Shuler field, are drilling ahead at 1,700 feet. The Lion's Murphy No. 1 in the same section has made location.

Jones, Murphy and Hurley operators have made locations for the J. C. Morgan Nos. 3 and 4 in section 13-18-18, Shuler, and expect to begin erecting derricks soon.

The J. E. Murphy No. 10 of the Sklar Oil Company, will be perforated from 2,338' to 2,348' feet soon. It is in section 9-16-15, Union county.

Operators of the G. J. Childs No. 4 of the Sloan Wells, are fishing for three joints and bit at 2,656 feet. The test is in section 8-16-16, Union county.

The Craft No. 1 of J. R. Lockhart, located in section 17-14-15, Calhoun county, is repairing derrick and moving in larger rig.

The commission issued 10 permits, including four for new wells to be drilled, four to abandon and plug old wells and one to plug and perforate. Director Alex M. Crowell reported. The Gulf Refining Company will perforate the Fagg No. 1 in the Smackover field, and the following will plug and abandon: H. L. Hunt, Halton No. 1 in Ouachita county;

Deep Rock, Wesson No. 1 in Ouachita county; and two other operators, one each in Miller and Ouachita counties.

Permits to drill were:

Lion Oil Refining Company, to drill the J. H. Calloway No. 1 in the northeast quarter of the southeast quarter of the southeast quarter of section 13-18-18, Union county.

A. L. Gintner, to drill the Gordon No. 1 in the southeast quarter of the southeast quarter of the northeast quarter of section 22-19n-7e, Clay county.

Phillips Petroleum Company, to drill the Brian No. 4 in the northeast corner of the northeast quarter of the southeast quarter of section 13-18-18, Union county.

Phillips Petroleum Company, to drill the Askew No. 1 near the center of section 4-17-21, Columbia county.

The Arkansas Oil and Gas Commission decided at a brief hearing yesterday to study requests by Jeff Davis, lawyer for the Lion Oil Refining Company, to set daily allowables for individual wells in the Jones pool of the Shuler field. A decision will be reached here between March 20 and 23.

Mr. Davis asked that the commission enter an emergency order continuing the present allowable for Jones sand and Reynolds lime pool in Shuler, and postpone the hearing for 10 days.

He said that the Lion believed that field allowables for both Jones and Reynolds pools should be allocated to respective wells in the area. He said his company realized the request was novel, but declared "we feel it necessary to depart from old ideas."

The Lion lawyer asked that 10 days be granted his company in which to compile necessary data, so that evidence could be presented in proper form.

Joe K. Mahony, representing Jones, Murphy and Hurley interests, said that the move to allocate allowables to individual wells probably would be opposed by his company and asked that 30 days be granted in which to collect data.

Permits For Seven New Wells Issued

3-12-39

Special to the Gazette.

El Dorado, March 11.—No completions were recorded in the Shuler field of Union county this week, but one test neared final testing, three others drilled ahead, four more prepared to drill, and permits were issued by the state Oil and Gas Commission for seven new wells, three in Union county. Three of the other new tests will be in Columbia county, and the fourth in Clay county.

The Shuler test nearing completion is the Lion Oil Refining Company's Henry No. 2 in the north half of the southeast quarter of the northeast quarter of section 12-18-18. Drilling below 7,200 feet, crews expect to begin coring by the end of next week. The Henry test was held up once by minor labor disturbances and once because of a breakdown.

Lion has started drilling two other tests in the area. The Murphy Land Company No. 1 is drilling below 3,800 feet. The test is in the southwest quarter of the northwest quarter of the northeast quarter of section 13-18-18. Lion is drilling below 1,000 feet on the Clay No. 1 in the northeast corner of the southeast quarter of the southwest quarter of section 12-18-18.

Lion crews nearly have completed rigging up on the J. H. Calloway No. 1 in the northeast corner of the southeast quarter of the southeast quarter of section 13-18-18.

Goodwin and Markwick have started operations on the Union Sawmill No. 1 in Section 9-17-13 of the Rainbow Field, east of El Dorado. The wildcat would extend Rainbow production about a quarter mile west.

The Jerry No. 1 of Sam Sebersky et al in Section 21-17-14, Rainbow, another wildcat, is drilling ahead.

Drilling is expected to be resumed soon on the Craft No. 1 of C. E. Mudd in Section 17-14-13 in Calhoun county. The drilling was taken over recently by J. R. Lockhart interests.

Phillips Prepares For New Tests.

Phillips Petroleum Company is preparing to drill on two locations in the Shuler field, having erected derricks for both. They are the Brian No. 4 in the northeast quarter of the southeast quarter of section 13-18-18 and the Sewell No. 10 in Lot 4 of the northwest quarter of section 7-18-17. Jones, Murphy and Hurley interests have made location for the J. C. Morgan Nos. 3 and 4 in Section 13-18-18 but has not started operations.

Phillips Petroleum Company still is making preparations to plug back and perforate its J. D. Reynolds No. 1 Snow Hill well in Section 27-15-15, Ouachita county. Company officials explained that original plans did not call for deepening the project, as a recent permit indicated. The well was the discovery well at Snow Hill three years ago and produced considerable gas and some oil from 4,600 feet.

Berry Asphalt Company is working on two wells in the Nevada field. They are the Grove Land Company Nos. 1 and 2 in Section 4-14-20. Webb and Franks is working on the P. C. Grayson Nos. 1, 2 and 3, all in Section 4-14-20.

In Mississippi county Benedum and Trees is drilling below 4,400 feet on the W. Mack No. 1 wildcat test in Section 3-15 north-12 east.

Permits For Seven New Wells Issued.

Seven permits for new wells have been issued by the Arkansas Oil and Gas Commission. The commission also issued permits for five plug and abandon projects, one by Markwick and Goodwin in Union, one by Shall in Lafayette and three by the Texas Company, one in Ouachita and two in Union.

Permits to drill new wells follow:

Lion Oil Refining Company, J. H. Calloway No. 1 in the northeast corner of the southeast quarter of the southeast quarter of section 13-18-18, Union county.

A. L. Gintner, Gordon No. 1 in the southeast corner of the southeast quarter of the northeast quarter of section 22-19n-7e, Clay county.

Phillips Petroleum Company, Askew No. 1 in the center of the northeast quarter of the northwest quarter of section 4-17-21, Columbia county.

Phillips Petroleum Company, B. Brain No. 4 in the northeast quarter of the northeast quarter of the southeast quarter of section 13-18-18, Union county.

Goodwin and Markwick, Union Sawmill No. 1 in the northwest quarter of the northwest quarter of the southeast quarter of section 9-17-13, Union county.

Southwood Oil Company, Inc., L. A. Greling No. 2 in the center of the southwest quarter of the northeast quarter of section 23-17-14, Columbia county.

Southwood Oil Company, Inc., Levi Garrett No. 1-B in the center of the southwest quarter of the northeast quarter of section 24-17-20, Columbia county.

New Shuler Well In, Two Others Due

4-9-39

Special to the Gazette.

El Dorado, April 8.—One successful completion was recorded this week in Union county and operators of two wells in wildcat territory awaited completion of minor details before final testing.

The producer brought in was the Murphy Land Company No. 1 of the Lion Oil Refining Company in the southwest corner of the northwest quarter of the northeast quarter of section 13-18-18, Shuler field. The well cleaned itself out with a strong flow of oil yesterday and was gauged at 40 barrels an hour through a 24-64-inch choke. Lion officials considered the well as an exceptionally good producer from the Jones stratum.

Sebersky Wildcat Due In.

Operators of the wildcat Jerry No. 1 of Sam Sebersky and others in section 21-17-14, Union county, expect to complete their test within 36 hours, when operations for squeezing off a flow of salt water will be completed. During swabbing Wednesday the test sent pipeline oil over the top of the tubing and preparations were made to turn the flow into tanks until the water showed along with the oil.

In wildcat territory, located between the old east field production area and the Rainbow City production sector, the well would bring in a new drilling territory if completed successfully. Operators reported seven and a half feet of saturations from about 2,700 feet.

Shannon Goodwin of Goodwick and Markwick, operators of the Union Sawmill Company No. 1 in section 9-17-13, two miles east of Rainbow City outposts, said that final testing will be completed next week. Encouraging Schlumberger tests revealed several feet of heavy saturation and Goodwin has set seven-inch casing. Condition of roads leading to the well has kept operators from moving in additional machinery. A new road will be cut to the test and final completion is expected the middle of next week. This test also would result in considerable drilling play if brought in successfully. Goodwin said that he believed he had bottomed the well in an entirely new sand and had plugged back to another new sand slightly above 3,000 feet.

Much interest has been shown north of El Dorado in the old Reynolds No. 1 of the Phillips Petroleum Company in section 27-15-15, Snow Hill area. This test was the original discovery well for that sector and produced as a pumper from the Reynolds lime level at 5,000 feet. Then it turned to salt water. The well has been plugged back to 2,770 feet and operators have perforated in Tokio formation, obtaining both oil and water. Operators said they would pump for a short time in an effort to stop the flow of water. If this is not