

# Jones Sand Has 12th Good Producer

Special to the Gazette. 2-2-38

El Dorado, Feb. 1.—The twelfth good producer from the Jones sand in the Shuler field was brought in early today and another well was slated for completion from the same sand tonight.

Phillips Petroleum Company completed its Marks No. 2 in NEC lot 2 SW section 18-18-17. The well was washed in after casing had been perforated from 7,516 to 7,550 feet. First flow was about 40 barrels per hour through a three-eighths inch choke. There was no show of salt water. The flow was turned into storage tanks.

## Other Tests.

Lion Oil Refining Company started washing late this afternoon on its Morgan B4 in NWC SW SE section 18-18-17, near the Phillips completion. It was reported that the well had started flowing at a good rate although no official estimate could be obtained. Casing was perforated at 7,518 to 7,542 feet, total depth of the B4 was 7,639 feet.

Phillips Petroleum has perforated casing on its Justiss No. 2 in Lot 6 NW 18-18-17, after setting at 7,700 feet and will start washing tomorrow. Marine Oil Company has drilled plug on its Fee No. 3 in SW NW SW 17-18-17, at 7,679 feet.

Another well has set casing after a good showing in the Jones sand. It is the D. S. and J. C. Morgan No. 3 of Alice Sidney Oil Company in NW NE SE 18-18-17, and casing was set at 7,629 feet.

A new allowable order adopted by the Arkansas Conservation Board for February became effective today and will almost double Shuler production.

# Three Shuler Field Outpost Tests Planned

Special to the Gazette. 2-4-38

El Dorado, Feb. 3.—Gradual extension of drilling operations to the Jones sand in the Shuler field west of El Dorado was indicated when permits were obtained today for three new outpost tests in the area.

Jones et al. obtained a permit for the C. H. Murphy No. 2 test in Section 19-18-17, southeast of the C. H. Murphy No. 1, temporarily abandoned when it failed to make a producer in the Morgan sands several months ago. It also is reported that the operators plan to deepen the Murphy No. 1 test to the Jones level. The new location is 330 feet from the south line and 330 feet from the east line of Lot 6 in the northwest quarter of the section, making the well the farthest southwest test drilled to the Jones sand.

## New Section to Be Tested.

Jones et al. also obtained a permit for the Levi Rodgers No. 1 test in Section 16-18-17 for the first test in that section. It will be a north offset to the Powledge No. 1 test of the Texas-Canadian Company in Section 21-18-17, the only test started in that section. The new location is 330 feet from the south line and 330 feet from the east line of the southwest quarter of the southwest quarter of Section 16-18-17. Both the Jones test and the Texas-Canadian test are southeast outposts.

The Marine Oil Company obtained permit for the Frances Miller No. 1 test 330 feet north of the center of the south line of the east half of Lot 1 in the northwest quarter of Section 18-18-17, a west offset to the Miller No. 1 of the Lion company. The Marine test is a northwest outpost to the field.

## Two Wells Killed.

The Phillips Petroleum Company completed its Justiss No. 2 test in Section 18-18-17 as a producer yesterday, but the production of gas was in excess of the gas-oil ratio of 2,000-to-1, as allowed by the state Conservation Department, and operators decided to kill the well and re-perforate at a different level. The well produced 320 barrels of oil in 17 hours.

The Phillips company also decided to kill its Marks No. 2 test in the same section, completed as a producer earlier in the week. The Marks well also produced gas in excess of the allowed ratio. Operators plan to re-perforate. The Marks well flowed 521 barrels of oil on a 20-64-inch choke yesterday.

The Marine Oil Company had nearly completed perforating casing today on its Fee No. 3 test in Section 17-18-17 and the Alice Sidney Company is waiting on casing for final testing of its Morgan No. 3 test in Section 18-18-17.

## New Columbia Test Planned.

In Columbiza county, the Standard Oil Company obtained permit to drill a new test in the Buckner area. The test will be the S. T. Crone No. 1, 660 feet south and 660 feet east of the northwest corner of the northwest quarter of the southeast quarter of Section 8-16-22 in the same section as the discovery well in the area. The same operators were drilling below 2,910 feet today on the Bodcaw Barbara No. 1 test in the northeast corner of the southeast quarter of the northeast quarter of Section 18-16-22.

## Another Jones Sand Completion In Shuler Area Due.

Special to the Gazette. 2-5-38

El Dorado, Feb. 4.—Completion of another Jones sand producer in the Shuler field west of El Dorado is scheduled early tomorrow by the Marine Oil Company on its Fee No. 3 test in Section 17-18-17.

Operators completed running tubing in the hole today after casing had been perforated with 140 shots from 7,521 to 7,566 feet. Rules of the state Conservation Department prohibit the testing or completion of a well after dark. The test is located in the southwest corner of the northwest quarter of the southwest quarter of the section.

Next completion in the area is expected to be the Morgan No. 3 test of the Alice Sidney Company, in Section 17-18-17, in which casing was set at a depth of 7,717 feet.

## Marine Company Completes Its Fee 1 in Shuler Area.

El Dorado, Ark., Feb. 5 (AP).—The Marine Oil Company completed its Fee No. 1 in section 17-18-17, Shuler field tonight as a producer from the Jones sand. The well was flowing 53 barrels of oil an hour. It will be held to an 800-barrel daily allowable.

# Shuler Field May Get New Gusher Today

Democrat 2-6-38  
Marine's Fee No. 3 Being Washed—Another Due Test Soon.

El Dorado—One well is near completion, testing will get under way the first of the week on another, and two others are scheduled for recompletion in the Shuler field to the southwest of El Dorado.

The past week has seen the completion of three producers, two of which have since been "killed" for recompletion, and the start of several outpost tests in the Shuler area.

The Lion Company added one producer in the Morgan B-4 and the two other completions were by the Phillips Petroleum Company of the Marks No. 2 and Justiss No. 2, which were producers of oil and also of large quantities of gas in excess of the ratio of 2,000 feet to one barrel of oil as allowed by the State Conservation Department. The flow of the wells has been cut off and they will be perforated at different levels for recompletion. All of the completions were in section 18-18-17 in the heart of the field.

The well now being tested is the Fee No. 3 of the Marine Oil Company, in section 17-18-17. Washing operations were delayed Saturday and it is likely that the well will not be completed until Sunday. Casing was perforated from 7,521 feet to 7,568 feet with 140 shots before tubing was run in the hole.

The next well to be tested will be the Morgan No. 33 of the Alice Sidney Oil Company, in section 18-18-17, in which casing was set at 7,629 feet for testing of the Jones sand.

The new producers are being allowed to flow 800 barrels daily under the allowable set by the Conservation board.

Saturday's drilling report follows: Lion Morgan B-5, e2, se4, 18-18-17, drilling at 5,645 feet, Lion Marine No. 2, e2, se4, 17-18-16, drilling at 3,335 feet, Lion Morgan A-4, lot 1 sw4, 18-18-17, drilling at 4,825 feet, Lion Miller No. 1, nw, ne, 18-18-17, drilling at 3,712 feet, Lion Miller No. 1, nw, ne, 18-18-17, drilling at 2,712 feet, Lion Morgan C-2, se, se, 18-18-17, rigging up, Lion Morgan A-5, lot 7, sw4, 18-18-17, rigging up, Lion Mayfield No. 1, lot 3, nw4, 18-18-17, rigging up.

Marine Fee No. 3, nw, sw, 17-18-17, perforated from 7,521 to 7,566, washing started, Marine Fee No. 4, nw, sw, sw, 17-18-17, drilling at 4,260 feet, Marine Justiss No. 3, lot 7, nw4, 18-18-17, drilling at 1,880 feet, Marine Justiss No. 4, center lot 7, nw4, 18-18-17, drilling at 6,227 feet, Marine Frances Miller No. 1, east

half of lot 1, nw4, 18-18-17, permit issued.

Alice Sidney D. S. and J. C. Morgan No. 3, ne4, se4, 18-18-17, casing set at 7,629 feet, Alice Sidney Powledge No. 1, sw4, se4, 17-18-17, building derrick.

Phillips Justiss No. 2, lot 2, sw4, 18-18-17, well killed, Phillips National No. 2, ne, sw, 17-18-18, reaming at 7,635 feet, Phillips Rosen No. 2, sw ne, se, 18-18-17, drilling at 5,105 feet, Phillips Marine Fee No. 1, nw, ne, 20-18-17, drilling at 2,297 feet, Phillips Marine No. 2, ne, ne, 20-18-17, waiting on rig.

Texas Canadian Powledge No. 2, nw, nw, 21-18-17, surface casing set at 143 feet.

Jones Murphy and Hurley's Murphy Land Company A-1, ne4, ne4, 19-18-17, drilling at 7,002 feet, Jones Murphy and Hurley's C. H. Murphy No. 2, lot 6, nw4, 19-18-17, drilling at 7,002 feet, Jones Murphy and Hurley's Levi Rogers No. 1, sw4, sw4, 16-18-17, permit issued.

# Marine Brings In New Shuler Well

Democrat 2-6-38

El Dorado—Another good producer was added Saturday night to the list of Jones sand wells in the Shuler field with the completion by the Marine Oil Company of the Fee No. 3 in section 17-18-17.

Late reports from the field were that the well was flowing at the rate of 50 barrels an hour, making good, clean oil, through a 25-64-inch choke.

The well will be held down to 800 barrels a day in keeping with the allowable granted by the state conservation department.

## Another Producer Completed In Jones Sand of Shuler Area.

Special to the Gazette. 2-10-38

El Dorado, Feb. 9.—Another Jones sand producer in the Shuler area west of El Dorado was completed early today by the Alice Sidney Company on its Morgan No. 3 test in section 18-18-17.

Washing operations were started yesterday afternoon after casing was perforated from 7,525 to 7,565 feet with 100 shots, and tubing run in the hole.

Operators are preparing to perforate the Marks No. 2 test in section 18-18-17 from 7,545 to 7,560 feet, and are preparing to drill the plug on the Justiss No. 2 test in the same section. Completion of the two tests is expected this

# Shuler Begins To Loom as Major Field

Democrat 2-13-38  
Has 27 Producing Wells, 15 in Jones Sand, 15 Drilling.

El Dorado—One producer was completed Saturday and two others are scheduled for completion in the next few days as activity continues at a fast clip in the Shuler field.

The latest well is not exactly a new producer since it is the Justiss No. 2 of the Phillips Petroleum Company, in section 18-18-17, which was completed last week and then killed because the production of gas was above the allowable set by the Conservation Department.

The well has not completely cleared itself but the gas flow is said to be below the allowable and there isn't showing of salt water. The well made 486 barrels in the first 16 hours and is producing now at the rate of 30 barrels an hour on a 24-64 inch choke.

The Phillips Company is preparing to perforate for recompletion of the Marks No. 2, in section 18-18-17, and is testing casing prior to perforation for final testing of the First National No. 1, in section 17-18-17.

This week saw the completion of one other producer at Shuler. The Morgan No. 3 of the Alice Sidney Oil Company, in section 18-18-17. It was brought in as a big producer and pinched down to 800 barrels, daily allowable.

Re-completion of the Justiss well for a producer makes a total of 15 producers in the Jones sand.

At present there are 27 producers in the Shuler field, 11 being in the Morgan sands and one in the Reynolds lime with total daily production in excess of 15,000 barrels.

There are 15 wells in the area drilling at various depths with several nearing the coring stage. The Murphy Land Company A-1 of Jones, Murphy and Hurley, in section 19-18-17, which is being deepened from the Morgan sand, is drilling below 7,454 feet and coring is expected to be started in a short time. The Justiss No. 4 of the Marine Company, in section 18-18-17, is drilling below 7,000 feet and should start coring next week.

The Marine Company has spudded

in on its Miller No. 1, in section 18-18-17.

Saturday's drilling report follows: Lion's Morgan B-4, SE 1-4, 18-18-17; drilling at 6,179 feet, Lion's Marine No. 2, SE 1-4, 17-18-17; drilling at 4,305 feet, Lion's Morgan A-4, lot 1, SW 1-4, 18-18-17; drilling at 5,400 feet, Lion's Miller No. 1, NW, NE, 18-18-17; drilling at 4,850 feet, Lion's Morgan C-2, SE, SE, 18-18-17; drilling at 1,026 feet, Lion's Morgan A-5, lot 7, SW 1-4, 18-18-17; drilling at 1,125 feet, Lion's Mayfield No. 1, lot 3, NW 1-4, 18-18-17; waiting on surface casing.

Marine's Fee No. 4, SW, SW, 17-18-17; drilling at 5,640 feet, Marine's Justice No. 3, lot 7, NW 1-4, 18-18-17; drilling at 4,260 feet, Marine's Justiss No. 4, center lot 7, NW 1-4, 18-18-17; drilling at 7,013 feet, Marine's Francis Miller No. 1, lot 1, NW 1-4, 18-18-17; surface casing set at 120 feet.

Alice Sidney Powledge No. 1, SW 1-4, SE 1-4, 17-18-17; rigging up, Phillips' Justiss No. 2, lot 6, NW 1-4, 18-18-17; recompleted, made 486 barrels in 16 hours, Phillips' Marks No. 2, lot 2, SW 1-4, 17-18-18; perforated 7,545 to 7,560 feet, preparing to run tubing, Phillips' National No. 1, NE, SW, 17-18-17; testing casing at 7,835 feet, Phillips' Rosen No. 2, NE, SE, 18-18-17; drilling at 5,777 feet, Phillips' Marine Fee No. 1, NW, NE, 20-18-17; drilling at 4,790 feet, Phillips' Marine No. 2, NE, NE, 20-18-17, waiting on rig.

Texas-Canadian Powledge No. 1, NW, NW, 21-18-17; drilling below 1,996 feet.

Jones, Murphy and Hurley, Murphy Land Company A-1, NE 1-3, NE 1-4, 19-18-17; drilling at 7,454 feet, Jones, Murphy and Hurley, C. H. Murphy No. 2, lot 6, NW 1-4, 19-18-19; permit issued, Jones, Murphy and Hurley, Levi Rogers No. 1, SW 1-4, SW 1-4, 18-18-17, permit issued.

## Phillips Producer at Shuler Recompleted

El Dorado — The Phillips Petroleum Company today recompleted its Marks No. 2 test, in section 18-18-17, as a Jones sand producer, and has started washing operations on its National No. 1 in section 17-18-17, which was expected to be completed this afternoon.

The Marks test was completed last week but the gas-oil ratio exceeded 2,000 to 1, and it was necessary to re-complete. The well flowed at the rate of 233 barrels in 11 hours on a five-eighths-inch choke. Operators have placed the well on a choke of sufficient size to produce 800 barrels daily, as allowed by the Conservation Department.

On the National well operators have perforated casing from 7,542 to 7,577 feet. They started washing operations this morning.

Recompletion of the Justiss well this morning makes a total of 16 Jones sand producers in the Shuler field, and the National completion will bring the total to 17.

# 16th Jones Sand Well In, 17th Today

Special to the Gazette. 2-16-38

El Dorado, Feb. 15.—The 16th Jones sand producer was added to the Shuler field west of El Dorado today when the Phillips Petroleum Company recompleted its Marks No. 2 test in section 18-18-17 for a big producer. The 17th producer is expected to be completed early tomorrow by the same company on its National No. 1 in section 17-18-17, on which swabbing operations were started tonight.

Casing was perforated in the Marks test from 7,545 to 7,560 feet and washing started yesterday. The well started flowing early today and produced 223 barrels of oil in 11 hours on a five-eighths-inch choke with no showing of salt water. The gas-oil ratio was reported well under the maximum limit of 2,000-to-1. On its first completion last week the well produced gas in excess of the maximum ratio, necessitating its being killed and recompleted. The test is in section 18-18-17 near the Justiss No. 2 test of the same company, recompleted over the week-end after it also produced gas in excess of the ratio.

## Other Operations.

On the National No. 1 test the Phillips Company perforated casing from 7,542 to 7,577 and started washing today. The well failed to flow after being washed several hours and operators were rigging up for swabbing operations, it was expected that the well would be completed early tomorrow.

Next completion in the field is expected to be the Murphy Land Company A-1 of Jones, Murphy and Hurley in section 18-18-17, being deepened from the Morgan sands. The well is coring in the Jones formation below 7,532 feet with top of the oil forma-

tion at 7,517 feet. It is expected that the well may be completed for a producer in about 10 days.

## One Other Due Soon.

The only other test in the area near the Jones sand is the Justiss No. 4 test of the Marine Oil Company in section 18-18-17, which is drilling around 7,300 feet and is expected to start coring soon. There are 13 other tests in the Shuler area drilling at various depths and four other tests are expected to be started in a few days.

# Phillips Company Completes Gusher

Democrat 2-17-38

El Dorado—The seventeenth producer from the Jones sand in the Shuler field was completed early today.

This well is the First National No. 1 of the Phillips Petroleum Company, in section 17-18-17, an east edge test.

Although the well has not finished clearing itself, it is giving indications of being a good producer. The well flowed 478 barrels of fluid, including some wash water and mud, during the first 11 hours following its completion. There is no showing of salt water and the well is expected to easily make the daily allowable of 800 barrels. It was being produced this morning with various size chokes, ranging from 3-4-inch to two inches.

Coring continues below 7,532 feet in the Murphy Land Company A-1 of Jones Murphy and Hurley, in section 19-18-17, scheduled as the next completion at Shuler. The top of the oil formation was encountered in this well at 7,517 feet.

Also nearing the Jones sand is the Justiss No. 4 of the Marine Oil Company, in section 18-18-17, which is drilling at around 7,300 feet, and probably will be coring within the next few days.

## 17th Producer in Jones Sand Of Shuler Field Brought In.

Special to the Gazette. 2-17-38

El Dorado, Feb. 16.—Another producer — the 17th in the Jones sand — in Section 17-18-17 on the eastern edge of the Shuler field was completed early today by the Phillips Petroleum Company on its first National No. 1.

The well was swabbed yesterday and early today and flowed 334 barrels of oil in 11 hours on a choke varying from 3-4 of an inch to two inches. There was no salt water.

The completion is the third of the week for the Phillips company.

# Marine May Try Out Well In Deep Lime

Democrat 2-20-38

To Get Gas in Reynolds Formation Below 7,650 at Shuler.

El Dorado—Prospects of completion of another producer in the Reynolds lime formation, below 7,650 feet in the Shuler field, west of El Dorado, loom as a possibility as operators on the Justiss No. 4 of the Marine Oil Company, in the center of Lot 7, northwest quarter of Section 18-18-17, continued coring below 7,654 feet in the lime formation.

Officials of the company announced plans to complete the well as a producer in the lime and it was reported that the company has use for the big gas production that is available there.

Crews encountered the Jones sand formation at a depth of about 7,515 feet but continued drilling ahead and did not start coring until the Reynolds formation was topped.

In a core taken from 7,634 to 7,654 feet, a recovery of 18 feet was made with five feet of hard lime and 13 feet of oolitic lime with oil and gas odor being shown.

Operations on the Murphy Land Company A-1 of Jones, Murphy and Hurley, in Section 19-18-17, a deepened project from the Morgan sands, completed setting casing at 7,654 feet, with total depth of 7,680 feet. It is expected that completion operations will be started on the well about the middle of the week.

The Phillips Company began a squeeze job on the First National No. 1, in Section 17-18-17, which developed showings of salt water after completion last week. It is expected that the squeeze operation will be completed the coming week.

Productions allocations for the Miller county and Shuler fields for March will be set by the Arkansas State Board of Conservation at a special meeting Monday morning. The special meeting to consider rules and regulations for drilling and completion of wells in the Reynolds lime has been indefinitely postponed.

Saturday's drilling report follows: Lion, Morgan B-3, southeast quarter, 18-18-17, drilling at 6,702 feet;

Lion, Marine No. 2, southeast quarter, 17-18-17, drilling at 5,492 feet; Lion, Morgan A-4, Lot 1, southwest quarter, 18-18-17, drilling at 5,980 feet; Lion, Miller No. 1, northwest, northeast, 18-18-17, drilling at 5,675 feet; Lion, Morgan C-2, southeast, southeast, 18-18-17, drilling at 2,505 feet; Lion, Morgan A-5, Lot 7, southwest quarter, 18-18-17, drilling at 2,475 feet; Lion, Mayfield No. 1, Lot 3, northwest quarter, 18-18-17, drilling at 2,230 feet.

Marine, Fee No. 4, southwest, southwest, 17-18-17, drilling at 6,166 feet; Marine, Justiss No. 3, Lot 7, northwest quarter, 18-18-17, drilling at 5,570 feet; Marine, Justiss No. 4, Lot 7, northwest quarter, 18-18-17, coring in lime formation at 7,654 feet; Marine, Francis Miller No. 1, Lot 1, northwest quarter, 18-18-17, casing set at 1,725 feet.

Alice Sidney, Powledge No. 1, southwest quarter, southeast quarter, 7-18-17, drilling at 4,400 feet.

Phillips, National No. 1, southwest 17-18-17, preparing to do squeeze job to shut off salt water; Phillips, Rosen No. 2, northeast, southeast, 18-18-17, drilling at 6,294 feet; Phillips, Marine Fee No. 1, northwest, northeast, 20-18-17, drilling at 5,885 feet; Phillips, Marine No. 2, northeast, 20-18-17, waiting on rig.

Texas-Canadian, Powledge No. 1, northwest, northwest, 21-18-17, casing set at 2,320 feet.

Jones, Murphy and Hurley, Murphy Land Company A-1, northeast quarter, northeast quarter, 19-18-17, set casing at 7,580 feet; Jones, Murphy and Hurley, C. H. Murphy No. 2, Lot 6, northwest quarter, 19-18-17, permit issued; Jones, Murphy and Hurley, Levi Rogers No. 1, southwest quarter, southwest quarter, 16-18-17, permit issued.

# Urbana Well Near Testing Stage

Democrat 2-21-38

El Dorado—Another well has reached the shallow sand in the Urbana field, to the southeast of El Dorado, and will be ready for final testing within the next week.

The well is the Kidd Estate No. 2 of W. D. Wingfield, trustee, in the southeast one-quarter of the southwest one-quarter of section 15-18-13. Casing was being set today at a depth of 2,250 feet.

This will be the second well to be completed on that lease in recent weeks. The first is being placed on the pump.

Announcement was made today of the start of operations on an important wildcat test to the south of El Dorado. The well is the S. L. Robbins No. 1 of E. G. Bradham, in the southwest corner of the southwest quarter of the northeast quarter of section 12-19-16.

Spudded in Sunday, the well now has surface casing set. Large cuttings are being made so that tests of the lower sands will be possible. The well is located to the southwest of Wesson, now scene of "big play" in royalty and lease trading, and it is to the north and northeast of the Standard block and the old well drilled by Coats and others in the Junction City area a number of years ago.

## Two Tests Reach Sand In Shuler Oil Field

El Dorado—Although no wells are ready for completion within the next few days, two tests have reached the sand and casing has been set, and a number of other tests are fast approaching the pay depth in the Shuler field.

One of the wells in which casing has been set and which will be ready for testing within the next week, is the second well to be taken down to the big lime formation. This is the Justiss No. 4 of the Marine Oil Company, in the center of lot 7 of the northwest quarter of section 18-18-17. The pipe was set at 7,719 feet. Only one other producer has been obtained from the big lime, all other wells stopping at either the Morgan sand or the Jones sand.

The other well with casing set is the Murphy Land Company No. 1 of Jones, Murphy and Hurley, in the northeast quarter of the northeast quarter of section 19-18-17. Casing was set in this well at 7,580 feet. This test is an old Morgan sand well that has been deepened.

Recompletion of one Shuler well is scheduled within the next few days. This is the First National No. 1 of the Phillips Petroleum Company in the northeast quarter of the southwest quarter of section 17-18-17, in which a cement retainer has been set at 7,528 feet. The retainer was set after a squeeze job was carried out on the well as the result of a showing of salt water along with a good flow of oil.

The Lion Oil Refining Company is at work on seven wells in the Shuler area.

In addition to the well with casing set, the Marine Oil Company is drilling three wells.

The Phillips Petroleum Company has four operations under way at present, and the Alice Sidney Oil Company is down to 6,005 feet in the Powledge No. 1, in section 7-18-17, and the Texas-Canadian Oil Company has casing set at 2,320 feet.



## Murphy A-1 In, Flowing 1,200 Barrels Daily

Special to the Gazette. 2-26-38

El Dorado, Feb. 25.—The second producer in Section 19-18-17 on the southwestern edge of the Shuler field and the 17th for the Jones sand was completed today by Jones, Murphy and Hurley on their Murphy Land Company A-1 test. First gauge on the well showed production of 50 barrels per hour on a three-quarter-inch choke, with only a small amount of wash water still being produced. There was no showing of salt water.

### Producing Below 7,500 Feet.

The well, located in the northwest corner of the northeast quarter of the northeast quarter of the section, was deepened from the Morgan sands below 6,000 feet. Casing was perforated from 7,517 to 7,557 feet yesterday and tubing was run in the hole last night.

Washington was started early today and after an hour and half of washing, the well was jetted with gas and it started flowing shortly before noon. No gauge was made on the production until late this afternoon. Operators announced that when the well has cleaned itself, its production will be held to 800 barrels daily, as allowed by the state Conservation Department.

The only other Jones sand producer in the section is the Justiss No. 1 test of the Lion Oil Refining Company. Jones and associates are starting operations on several other test in the section.

### Two More Due Next Week.

Two more producers in the area, one a recompletion in the Jones sand of a well which was completed last week but showed salt water, necessitating a "squeeze" job to shut off the water, and the other a Reynolds lime well, are expected to be completed next week.

The recompletion will be the First National No. 1 of the Phillips Petroleum Company in Section 17-18-17. New cement retainer has been set at 7,528 feet and operators are waiting on cement to set before starting recompletion.

The Reynolds lime test is the Justiss No. 4 of the Marine Oil Company in Section 18-18-17 in which casing was set at 7,718 feet. Casing is expected to be perforated tomorrow for final testing Sunday or Monday.

## Murphy Well Seventeenth In Jones Sand

Democrat 2-27-38  
Marine's Justiss No. 4,  
Second in Big Lime,  
Due This Week.

El Dorado.—The close of the week in the development of the Shuler deep sand field finds chief interest centered in the early completion of the second producer from the Big Lime formation in that area. One other well in the area also is near the completion stage and several other tests are fast approaching the pay depth.

The past week's activities was featured by the bringing in of the seventeenth producer from the Jones sand. This well was the Murphy Land Company A-1 of Jones, Murphy and Hurley, in section 19-18-17. It is the second well in that section on the southwestern edge of the field, and it started producing at the rate of about 50 barrels an hour.

The lime well being watched is the Justiss No. 4 of the Marine Oil Company, in section 18-18-17, heart of the field, scheduled for completion within the next few days.

The Lion Oil Refining Company, which brought in the discovery well, has the only other lime producer in the sector.

Casing was set last week at a total depth of 7,719 feet and casing probably will be perforated Sunday. The crew encountered good showings of oil in the Jones sand but operators continued coring to the Reynolds formation and are to complete the well in the lime where large quantities of gas and high gravity oil are expected.

Another producer is expected the coming week in the re-completion of the National No. 1 of the Phillips Petroleum Company, in section 17-18-17, on which operators are performing a "squeeze job," after salt water developed when the well was completed for the first time last week. Cement retainer has been set in the test at 7,528 feet and new testing operations are expected in a few days.

Drilling report for the end of the

week:

Lion, Morgan B-5, e2 se4, 18-18-17, drilling at 7,209 feet. Lion, Marine No. 2, e2, se4, 17-18-17, drilling at 6,095 feet. Lion, Morgan A-14, lot 1, sw4, 18-18-17, drilling at 6,279 feet. Lion, Miller No. 1, nw, ne 18-18-17, drilling at 6,043 feet. Lion, Morgan C-2, se, se, 18-18-17, drilling at 4,277 feet. Lion, Morgan A-5, lot 7, sw4, 18-18-17, drilling at 4,366 feet. Lion, Mayfield No. 1, lot 3, nw4, 18-18-17, drilling below 3,285 feet.

Marine, Fee No. 4, nw, sw, sw, 17-18-17, drilling at 6,700 feet. Marine, Justiss No. 3, lot 7, nw4, 18-18-17, drilling at 6,023 feet. Marine, Justiss No. 4, lot 7, nw4, 18-18-17, casing set at 7,719 feet. Marine, Frances Miller No. 1, lot 1, nw4, 18-18-17, drilling at 4,560 feet.

Alice Sidney, Powledge No. 1, sw4, se4, 7-18-17, drilling below 6,183 feet. Phillips, National No. 1, ne, sw, 17-18-17, cement retainer set at 7,528 feet. Phillips, Rosen No. 2, sw, ne, se, 18-18-17, drilling at 6,916 feet. Phillips, Marine Fee No. 1, nw, ne, 20-18-17, drilling at 6,650 feet. Phillips, Marine No. 2, ne, ne, 20-18-17, waiting on rig. Phillips, Justiss No. 4, lot 6, nw4, 18-18-17, building derrick.

Texas-Canadian, Powledge No. 1, nw, nw, 21-18-17, drilling below 3,280 feet.

Jones, Murphy and Hurley, C. H. Murphy No. 2, lot 6, nw4, 19-18-17, permit issued.

## Phillips Completes Democrat at 2-25-38 First National No. 1

El Dorado.—The eighteenth producer from the Jones sand in the Shuler field was completed today by the Phillips Petroleum Company.

The well is the First National No. 1, in section 17-18-17. Today's testing was in the nature of a recompletion since the well was completed last week and later the flow was "killed" after salt water developed.

After being swabbed for four hours the well started flowing and is now producing at the rate of 65 barrels of fluid per hour. About 30 per cent of the fluid is mud and drilling water.

Under the present flow of around 46 barrels of oil per hour the well is capable of making in excess of the daily allowable of 80 barrels but it will be pinched back to that figure.

Another Shuler well moved into final testing stage today with the crew making preparations to perforate casing in the Justiss No. 4 of the Marine Oil Company, in section 18-18-17. The casing will be perforated from a depth of 7,500 to 7,558 feet.

## Phillips Gets New Producer In Shuler

3-1-38

Special to the Gazette. El Dorado, Feb. 28.—The eighteenth Jones sand producer of the Shuler field west of El Dorado was completed today by the Phillips Petroleum Company on its first National No. 1 test in Section 17-18-17, a recompletion of a test which was completed two weeks ago but developed salt water.

The well started flowing today after being swabbed for four hours, and was producing at the rate of about 65 barrels of oil and wash water an hour. There was no showing of salt water. The well will be pinched back to 700 barrels daily in conformity with regulations. The test, in the southeast corner of the northeast quarter of the southwest quarter of the section, encountered good oil showings from about 7,520 to 7,577 feet, and was completed the first time two weeks ago. Salt water appeared and operators decided to perform a squeeze job to shut it off. A new retainer was set at a depth of 7,528 feet.

### Justiss 4 Due Soon.

Next completion in the field is expected to be the Justiss No. 4 of the Marine Oil Company in Section 18-18-17 as a Reynolds lime producer. It is located in the center of Lot 7 in the northwest quarter of the section. The test encountered good oil showings in the Jones sand but was continued to the big lime with casing set at 7,719 feet. Casing was perforated today from 7,650 to 7,658 feet, and it is expected that final testing operations will be started tomorrow or Wednesday.

### Allowable Changes Today.

New production allowable for the Jones sand will become effective tomorrow which will reduce the production of Jones sand wells from 800 to 700 barrels daily. New production allowables for Miller county also will become effective tomorrow, increasing the actual production allowable for the Rodessa extension from 7,900 barrels daily to 8,976 barrels daily for the 66 producers in the field. Six wells in the south Miller county area are classed as gas wells because their gas-oil ratio is in excess of the 2,000-to-1 maximum allowed by the Conservation Department.

All the producers in the Shuler field from all three levels are classed as oil wells.

## Second Producer in Reynolds Lime Completed.

3-2-38

Special to the Gazette. El Dorado, March 1.—The second producer in the Reynolds lime of the Shuler area west of El Dorado was completed this afternoon by the Marine Oil Company on its Justiss No. 4 test in Section 18-18-17. It was completed for a producer of 750 barrels of high gravity oil and 750,000 cubic feet of gas daily through a quarter-inch choke.

The well was washed in shortly after noon. Casing was perforated from 7,650 to 7,658 feet yesterday with 20 shots. The well started flowing after being washed a few hours and flowed with strong gas pressure with no showing of salt water.

The oil produced is of high gravity, with tests showing the gravity to be 40 to 42 degrees, compared with a gravity of more than 60 degrees in the other lime well, the Morgan A-1 of the Lion Oil Refining Company in the 40-acre lease south of the Marine lease.

There are no production regulations on the oil produced from the Reynolds lime and it is expected that the Marine Company will experiment with various-sized chokes to obtain the maximum production from the well without disturbing the bottom hole pressure or exceeding the gas-oil ratio.

The Marine test is in the center of lot seven in the northwest quarter of Section 18-18-17. Completion of the No. 4 test gives the Marine four producers on the 40-acre tract, two wells being producers in the Jones formation and one in the Morgan sand.

## Lion May Test Morgan B-5 Coming Week

Shows 12 Feet Saturation—16 Wells Drilling at Shuler.  
Democrat 3-6-38

El Dorado.—After coring and drilling more than 70 feet of heavily saturated oil sand in the Jones formation, operations on the Morgan B-5 of the Lion Oil Refining Company, in section 18-18-17, are preparing to set casing for final testing. Total depth of the well is 7,628 feet.

Coring operations were started at 7,512 feet with a core taken at 7,629 feet, with top of the sand encountered at 7,522 feet. Drilling was resumed below 7,529 feet and another core was taken from 7,580 to 7,592, with the heavy oil saturation showing to a depth of 7,584 feet. From that depth to 7,592 the saturation was not so heavy.

After the last core was taken the hole was reamed to the bottom at a depth of 7,625 feet and seven-inch casing will be set for final testing.

Coring operations are expected to start on two other tests in the area in a short time. The Rosen No. 2 of the Phillips Petroleum Company, in section 18-18-17, is drilling below 7,413 feet, and the Marine No. 1 of the same company, in section 29-18-17, is drilling below 7,336. Both crews are expected to start coring early the coming week.

At present there are 18 producers from the Jones sand in the Shuler field, 11 from the Morgan sands and two from the Reynolds deep lime, with total daily production of approximately 16,000 barrels for the 31 wells.

There are 16 wells drilling at various depths and two others on which operations are expected to start in a short time.

The end of the week drilling report follows:

Lion, Morgan B-5, SE 1-4, 18-18-17, preparing to run casing, total depth 7,625 feet. Lion, Marine No. 2, SE 1-4, 17-18-17, nine-inch casing set at 2,647; total depth, 6,200 feet. Lion, Morgan A-4, lot 1, SW 1-4, 18-18-17, fishing for six joints drill pipe; total depth, 6,279 feet. Lion, Miller No. 1, NW, NE, 18-18-17; drilling at 6,510 feet. Lion, Morgan C-2, SE, SE, 18-18-17; drilling at 5,429 feet. Lion, Morgan A-5, lot 7, SW 1-4, 18-18-17; drilling at 5,428 feet. Lion, Mayfield No. 1, lot 3, NW 1-4, 18-18-17; drilling below 4,310 feet.

Marine, Fee No. 4, SW, SW, 17-18-17; drilling at 6,684 feet. Marine, Justiss No. 3, lot 7, NW 1-4, 18-18-17; drilling at 6,601 feet. Marine, Frances Miller No. 1, 330 feet north of center of south line of east half of lot one, NW 1-4, 18-18-17; drilling at 5,113 feet.

Alice Sidney, Powledge No. 1, SE 1-4, 7-18-17; drilling below 6,684 feet.

Phillips, Rosen No. 2, NE, SE, 18-18-17; drilling at 7,413 feet. Phillips, Marine Fee No. 1, NW, NE, 20-18-17; drilling at 7,336 feet. Phillips, Marine No. 2, NE, NE, 20-18-17; rigging up. Phillips, Justiss No. 4, lot 6, NW 1-4, 18-18-17; drilling at 1,443 feet. Texas Canadian, Powledge No. 1, NW, NE, 21-18-17; drilling below 4,173 feet.

Jones Murphy and Hurley, C. H. Murphy No. 2, 330 from south line, 330 from east line, lot 6, NW 1-4, 18-

18-17; permit issued. Jones Murphy and Hurley, Murphy Land Co. A-2, NE, NE, 19-18-17; 136 feet surface casing set.

## Two Shuler Field Wells Democrat at 3-7-38 Coring in Jones Sand

El Dorado.—Coring operation in search of the Jones sand were started on two wells in the Shuler field today, and one new test was announced.

The Phillips Petroleum Company started coring at 7,530 feet on the Rosen No. 2, in section 18-18-17, and also started similar operations on the Marine Fee No. 1, in section 20-18-13, the first test to be drilled in that section.

The new well is the Marine Fee No. 3 of the Lion Oil Refining Company, in the southwest corner of the southeast quarter of the southwest quarter of section 17-18-17.

## Jones Sand Cored by Two Tests In Shuler Area.

Special to the Gazette. 3-9-38

El Dorado, March 8.—Two tests in the Shuler area west of El Dorado, both of the Phillips Petroleum Company, cored the Jones sand and obtained heavy oil saturation today.

The Marine Fee No. 1 in section 20-18-13 is the first test in that section to encounter the Jones formation. The first core showing oil sand was taken from 7,520 to 7,535 feet, with soft porous well saturated sand being shown in the bottom seven and a half feet. The next core from 7,535 to 7,545 feet also showed oil. Operators are coring ahead.

In the Rosen No. 2 in section 18-18-17, the first core from 7,535 to 7,545 feet showed about seven feet of well saturate oil sand and the next core from 7,545 to 7,554 feet showed soft, porous, well saturated oil sand. Operators are reaming to the bottom of the hole.

The Marine Oil Company is building derrick for the Fee No. 5, 330 feet north and 380 feet west of the southeast corner of the southwest quarter of the southwest quarter of section 17-18-17.

The Lion Oil Refining Company also is building derrick for the Marine No. 3 test 330 feet north and 330 feet east of the southwest corner of the southeast quarter of the southwest quarter of section 17-18-17.

Jones, Murphy and Hurley are rigging up and preparing to start operations on the Marine No. 3 test, 330 feet south and 330 feet west of the northeast corner of the west half of the southeast quarter of section 17-18-17. Permit for the test was issued several months ago, but drilling was delayed.

## Morgan A-1 19th Shuler Field Producer

Special to the Gazette. 3-13-38

El Dorado, March 12.—The 19th producer from the Jones sand in the Shuler area was completed by the Lion Oil Refining Company this afternoon on its Morgan A-5 test, in Section 18-18-17.

The well was washed in through 139 casing perforations from 7,530 to 7,565 feet. Washing was started early today and the well started flowing shortly after noon. The well cleaned itself in the pits during the afternoon and was turned into the tanks. Officials declined to estimate possible production, but said that it was a "big" well.

It will be pinched down to keep production within the 700 barrels daily limit allowed by the Arkansas state Board of Conservation. There was no showing of salt water.

## Lion's Latest Shuler Well Is Producer

Morgan B-5 In Saturday  
—Coring Started in Marine's Fee 4.  
Democrat 3-13-38

El Dorado.—A new Jones sand producer, the nineteenth for the field, was completed Saturday by the Lion Oil Refining Company, in its Morgan B-5 test, in section 18-18-17, in the Shuler area, west of El Dorado.

Washing operations were started early Saturday morning, after casing

was perforated from 7,530 to 7,565 feet with 139 shots, and the well started flowing shortly after noon. Operators had not placed a gauge on the well but it was reported to be a "big" producer. It is expected that as soon as the well cleans itself of wash water it will be placed on a choke to keep production within the 700 barrels daily limit of the conservation department. No show of salt water was reported.

Also of interest in the field were coring operations started Saturday on the Fee No. 4 test of the Marine Oil Company, in section 17-18-17, at 7,519 feet. The first core, from 7,519 to 7,537, showed porous saturated sand in the bottom of the core. Operators resumed drilling and are expected to core again in the bottom of the Jones formation.

Interest is also centering in operations on two tests of the Phillips Petroleum Company. The Rosen No. 3, in section 18-18-17, is coring below 7,637 in the Reynolds lime with saturation reported. The test had encountered heavy saturation, in cores in the Jones sand from 7,545 feet. Coring was continued to the lime formation. It is reported, though not confirmed, that the operators will core the lime formation and set casing for final testing in the Jones sand.

The same operators are preparing to run Schlumberger test in the Marine Fee No. 1, in section 20-18-17, in the Reynolds lime, at total depth of 7,640. Operators continued coring to the lime after obtaining good saturation in the Jones sand.

Coring was started at 7,520 feet, with seven and one-half feet of porous sand showing in the first core. Coring was continued with sand showing varying degrees of saturation. The saturation was not as solid as in other tests in the area. Last saturation in the Jones sand was at 7,585 feet. Drilling was resumed to 7,620 feet and coring started in the lime formation where saturation was reported.

### Activities in the field included:

Lion, Morgan B-5, E 1-2, SE 1-4, 18-18-17, completed as Jones sand producer. Lion, Marine No. 2, E 1-2, 1-4, 17-18-17; drilling at 7,025 feet. Lion, Marine Fee No. 3, SE, SW, 17-18-17; building derrick. Lion, Morgan A-4, lot 1, SW 1-4, 18-18-17; set 9-inch casing at 2,700 feet, total depth 6,279 feet. Lion, Miller No. 1, NW, NE, 18-18-17; drilling at 7,122. Lion, Morgan C-2, SE, SE, 18-18-17; drilling at 5,988 feet. Lion, Morgan A-5, lot 7, SW 1-4, 18-18-17; drilling at 5,824 feet. Lion, Mayfield No. 1, lot 3, NW 1-4, 18-18-17; drilling below 4,595 feet.

Marine Fee No. 4, SW SW 18-18-17; coring below 7,535 in Jones sand. Marine, Fee No. 5, SW SW 17-18-17; building derrick. Marine, Justiss No. 3, lot 7, NW 1-4, 18-18-17; drilling at 7,339 feet. Marine, Frances Miller No. 1, lot 1, NW 1-4, 18-18-17; drilling below 5,915.

Alice Sidney, Powledge No. 1, SE 1-4, 7-18-17; drilling at 7,185 feet.

Phillips, Rosen No. 2, NE, SE, 18-18-17; coring below 7,637 feet in Reynolds lime. Phillips, Marine Fee, No. 1, NW, NE, 20-18-17; coring below 7,640 feet in Reynolds lime. Phillips, Marine No. 2, NE, NE, 20-18-17; waiting on casing at 2,385 feet. Phillips, T. P. Marks No. 3, SW 1-4, 18-18-17; permit issued.

Texas-Canadian, Powledge No. 1, NW NW 21-18-17; drilling below 5,210 feet.

Jones, Murphy and Hurley, C. H. Murphy No. 2, lot 6, NW 1-4, 19-18-17; permit issued. Jones, Murphy and Hurley, Murphy Land Co. A-2, NE, NE, 19-18-17; drilling at 1,160 feet. Jones, Murphy and Hurley, Marine No. 3, W 1-2, SE 1-4, 17-18-17; drilling at 78 feet.

## Another Jones Sand Producer In Shuler Area Due Soon.

Special to the Gazette. 3-15-38

El Dorado, March 14.—Completion of another Jones sand producer in the Shuler field is expected in about a week. Operators on the Fee No. 4 test of the Marine Oil Company, in Section 17-18-17, were preparing to set casing for final testing today.

Coring was started last week. The first was taken from 7,519 to 7,537 with porous well saturated sand shown. Drilling was resumed to a depth of 7,565 feet where another core was taken from 7,565 to 7,577 feet with the top of the core showing porous saturated sand and the bottom foot showing hard sandy shale. The well was reamed to the bottom and drilled to a depth of 7,590 at which seven-inch casing is being set.

The Phillips company still is coring in the Reynolds lime formation in its Rosen No. 2 test in Section 18-18-17, below 7,656 feet, and is underreaming from 7,576 to 7,586 feet in its Marine No. 1 test in Section 20-18-17.

The Marine company has started coring operations on its Justiss No. 3 test in Section 18-18-17 at 7,511 feet, but the sand has not been encountered.

## Alice Sidney Crew Coring Saturation

Will Extend Shuler Field  
—Casing Set for Four  
Final Tests.

Democrat 3-20-38

El Dorado.—Operators on the Powledge No. 1 well, north outpost of the Alice Sidney Oil Company, in section 7-18-17, continued Saturday to core heavy oil saturation in the Jones sand, indicating that production in the Shuler field will be extended more than half a mile to the north.

The third core was taken in the well from 7,591 to 7,611 feet, with good oil saturation. The top of the Jones sand was encountered at 7,500 feet. The first core was taken from 7,561 to 7,571 feet, the next from 7,571 to 7,591 feet, with oil saturation in the entire core. The third core was cut from 7,591 to 7,611 feet with saturation still shown.

Operators announce plans to continue coring. The well is reported to be checking about even with the Marine No. 1 of Jones, Murphy and Hurley, in section 17-18-17, discovery well in the Jones sand.

Casing has been set for final testing of four wells in the area and two others are coring, one in the Jones sand and the other in the Reynolds lime.

The Marine Oil Company is waiting on casing at 7,590 feet for its Fee No. 4, in section 17-18-17, and at 7,610 feet in its Justiss No. 3, section 18-18-17. The Phillips Petroleum Company is waiting on casing at 7,682 feet in its National No. 1, section 20-18-17.

The Lion Oil Refining Company is coring in the Jones sand below 7,625 feet in its Miller No. 1, section 18-18-17, with top of the formation encountered at 7,564 feet. The same company is reaming to the bottom of the hole at 7,650 feet, after coring both the Jones sand and the Reynolds lime, in its Marine No. 2 section 17-18-17.

The Jones sand was encountered from 7,542 to 7,583 feet, and the lime was cored from 7,625 feet to 7,650 feet.

Four new locations were announced in the field. They are the Marcus No. 1 of the Lion, in the north east corner of lot 5, northwest quarter of section 18-18-17; the Morgan B-6 of the Lion, 400 feet east and 350 feet north of the southwest corner of the northwest quarter of the southeast quarter of section 18-18-17; the Fee No. 6 of Marine Company, 330 feet south and 280 feet west of the northeast corner of the west half of the southwest quarter of section 17-18-17, and the Justiss No. 3 of the Phillips Company, in the center of lot 6, in the northwest quarter of section 18-18-17.

Saturday's drilling report follows:

Lion, Marine No. 2, e2, se4, 17-18-17, cored 7,625-50 in lime; now reaming; cored Jones sand from 7,542 to 7,583 feet. Lion, Marine Fee No. 3, se, sw, 17-18-17; set 108 feet surface casing. Lion, Morgan A-4, lot 1, sw4, 18-18-17; drilling below 6,431 feet. Lion, Miller No. 1, nw, ne, 18-18-17; coring in Jones sand at 7,625 feet; topped sand at 7,564 feet. Lion, Morgan C-2, se, se, 18-18-17; drilling at 6,620 feet. Lion, Morgan A-5, lot 7, sw4, 18-18-17; drilling at 6,250 feet. Lion, Mayfield No. 1, lot 3, nw4, 18-18-17; drilling below 5,500 feet. Lion, Marcus No. 1, lot 5, nw4, 18-18-17; location. Lion, Morgan B-6, sw4, nw, se, 18-18-17; location.

Marine, Fee No. 3, nw, sw, sw, 17-18-17; casing set at 7,590 feet. Marine, Fee No. 5, sw, sw, 17-18-17; derrick up. Marine, Fee No. 6, ne4, w2, sw, 17-18-17; location. Marine, Justiss No. 3, lot 7, nw4, 18-18-17; casing set at 7,610 feet. Marine, Frances Miller No. 1, lot 1, nw4, 18-18-17; drilling below 6,626 feet.

Alice Sidney, Powledge No. 1, se4, sw4, se4, 7-18-17; coring in Jones sand below 7,611 feet; topped at 7,570 feet.

Phillips, Rosen No. 2, ne, se, 18-18-17; preparing to set casing at 7,700 feet. Phillips, Marine Fee No. 1, ne4, nw, ne, 20-18-17; set seven-inch pipe at 7,640 feet. Phillips, Marine No. 2, nw4, ne, ne, 20-18-17; drilling below 3,213 feet. Phillips, Justiss No. 4, lot 6, nw4, 18-18-17; drilling below 4,133 feet. Phillips, T. P. Marks No. 3, lot 2, sw4, 18-



18-17; permit issued. Phillips, Marine No. 3, sw4, nw, 20-17-18; rigging up. Phillips, Justiss No. 3, lot 6, nw4, 18-18-17; location.

Texas Canadian, Powledge No. 1, now, nw, 21-18-17; drilling below 5,677 feet.

Jones Murphy and Hurley, C. H. Murphy, o. 2, lot 6, nw4, 19-18-17; permit issued. Jones, Murphy and Hurley, Murphy Land Co. A-2, ne, ne, 19-18-17; drilling at 1,800 feet. Jones Murphy and Hurley, Murphy Land Co. A-3, se, ne, 19-18-17; permit issued. Jones, Murphy and Hurley, Marine No. 3, w2, se, 17-18-17; casing set at 1,805 feet. Jones, Murphy and Hurley, Murphy Land Company A-3, se, ne, 19-18-17; permit issued.

### Democrat 3-21-38 Extension of New

#### Shuler Field Seen

El Dorado (AP)—The Alice Sidney Oil Company's Powledge No. 1, re-opened recently after months of idleness, gained attention today on the possibility that it might extend production in the new Shuler field a half-mile to the north.

Located in section 7-18-17, the well logged the productive Jones sand at 7,570 feet and cored rich saturation on down to 7,631, where shale was found. Officials were undecided whether to core down to the big lime or start completion activities.

The well was abandoned the early part of the winter when it failed to pick up the Morgan sands at around 5,600 feet. Several weeks ago operators resumed drilling to test the lower levels found productive in the part of the field to the south of the location.

### 20th Jones Sand Producer In Shuler Area.

#### 3-22-38

Special to the Gazette.

El Dorado, March 21.—The twentieth Jones sand producer in the Shuler field west of El Dorado has been added by the Marine Oil Company in its Fee No. 4 test in Section 17-18-17.

The well was completed through 120 shots in the casing from a depth of 7,522 to 7,565 feet, and washed in with oil. In the first hour the test produced 75 barrels of oil on open tubing with no showing of salt water.

After the well cleaned itself in the pits it was turned into the tanks and pinched back to a choke small enough to limit production to 700 barrels daily allowed by the state Conservation Department. The test is located in the northwest corner of the southwest quarter of Section 17-18-17.

Other than the new completion chief interest in the Shuler area today centered in a new location which was announced for Section 8-18-17 which is more than three quarters of a mile northeast of present production in the Shuler field. The new test is the Kate Powledge No. 1 of L. H. Simpson and is located 330 feet north and 330 feet east of the southwest corner of the south half of the northwest quarter of the southwest quarter of the section.

There are four tests in the area which are waiting on cement for final testing, one is coring below the Jones sand and another is coring in the Reynolds lime.

### Marine Oil Company Gets Shuler Producer

El Dorado.—The Marine Oil Company has added the 20th Jones sand producer in the Shuler field in its Fee No. 4 test. Shuler field is located west of El Dorado.

The well in the northwest corner of the southwest quarter of the southwest quarter of section 17-18-17, was completed through 120 shots in the casing from a depth of 7,522 to 7,565 feet, and washed in with oil.

Company officials said the well produced 75 barrels of oil in the first hour. There was no showing of salt water. At present there are four holes in the area awaiting cement for final testing, one below the Jones sand and another in the Reynolds lime.

### Final Testing Begun on Marine No. 1, Shuler Outpost.

#### 3-23-38

Special to the Gazette.

El Dorado, March 22.—Final testing was under way tonight on the Marine No. 1 test of the Phillips Petroleum Company in section 20-18-17, a south outpost test in the Shuler field. Casing was perforated at three levels in the Jones sand, from 7,528 to 7,535, from 7,600 to 7,563 and from 7,565 to 7,570 with 120 shots.

Washing operations were started this morning and continued for two and a half hours. Operators decided to swab the test this afternoon. Completion of the well as a producer would extend the producing area of the Jones sand to the south. The test is in the northeast corner of the northwest quarter of the northeast quarter of section 20-18-17.

Coring of heavy saturation in the Jones sand in the Powledge No. 1 test of the Alice Sidney Oil Company in section 7-18-17, a half-mile north of production in the Shuler field, has resulted

ed to several other operations being started in the vicinity.

The Alice Sidney Company is erecting derrick for the No. 2 Powledge test, 330 feet east and 330 feet south of the northwest corner of the southwest quarter of the southeast quarter of section 7-18-17 on the same 40-acre tract as the No. 1 test.

The Lion Company obtained a permit for the Edna No. 1 test, 330 feet west and 330 feet south of the northeast corner of the northwest quarter of the northeast quarter of section 18-18-17, a south offset to the Alice Sidney test.

At the meeting of the Conservation Board yesterday, N. F. Wilson obtained permit to drill a test in section 7-18-17, northwest of the Alice Sidney test. The test will be located on a 2.57-acre tract in the northeast quarter of the southwest quarter of the section.

The Phillips Petroleum Company has announced location for a new test in section 20-18-17, the Marine No. 4, 330 feet south and 330 feet east of the northwest corner of the northeast quarter of the northwest quarter of the section.

The Marine is testing casing on its Justiss No. 3 test in section 18-18-17 at 7,610 feet. The Phillips Company is waiting on casing at 7,700 feet in its Rosen No. 2 test in section 18-18-17, and the Lion Company is waiting on casing in its Marine No. 2 test in section 17-18-17.

On the Powledge No. 1 test the Alice Sidney Company is coring in the Reynolds lime below 7,702 feet. The Lion Company is coring in the Reynolds lime below 7,687 feet in the Miller No. 1 test in section 18-18-17.

### Marine No. 1 In; Promises New Extension

#### 3-24-38

Special to the Gazette.

El Dorado, March 23.—Completion last night of the Marine No. 1 test of the Phillips Petroleum Company in Section 20-18-17 as a big producer in the Jones sand has heightened interest in the possible further extension to the southeast of the producing area of the Shuler field. The well is the first completion in Section 20-18-17 and extends the Jones sand producing area about a quarter of a mile south.

21st Jones Sand Well.

The test produced 639 barrels of oil in 13 hours on a 24-64-inch choke. The test probably will be pinched back to the daily production allowable of 700 barrels as soon as it cleans itself of wash water. There was no show of salt water. It was the 21st completion in the Jones sand.

The Phillips Company has four other locations in Section 20-18-17. The Marine No. 2 test is drilling below 4,200 feet, the Marine No. 3 was spudded in today, and location is being cleared for the Marine No. 4. Location was announced today for the Marine No. 5, 330 feet south and 330 feet north of the northeast corner of the northwest quarter of the northwest quarter of Section 20-18-17.

Another test in that section due to be the center of interest soon is the Powledge No. 1 of the Texas Canadian Company in Section 21-18-17, drilling below 6,000 feet.

Other Completions Due Soon.

Several other completions in the Shuler area are expected soon. The Phillips Company is preparing to perforate casing for final testing of its Rosen No. 2 in Section 18-18-17, which is waiting on cement at 7,700 feet. The Marine Company is preparing to perforate casing on its Justiss No. 3 in Section 18-18-17, in which casing was set at 7,610 feet. The Lion Company is waiting on casing at 7,650 feet in its Marine No. 3 in Section 17-18-17 and is reaming to the bottom to set casing at 7,710 feet in its Miller No. 1 in Section 18-18-17.

The Alice Sidney Company is coring in the Reynolds lime below 7,700 feet in the Powledge No. 1, in Section 7-18-17, after coring good saturation in the Jones sand.

Another Good Oil Producer In Shuler Field.

3-24-38

Special to the Gazette.

El Dorado, March 23.—The second good producer in three days was completed in the Shuler field this afternoon in the Justice No. 3 of the Marine Oil Company, in Section 18-18-17, in the center of the producing area. The well is the 22d Jones sand producer. Casing was set at 7,610 feet after a rich oil said had been cored from 7,503 to 7,563. Flow was 60 barrels an hour.

Scheduled for completion tomorrow is the Rosen No. 2 of Phillips Petroleum Company in 18-18-17, which has been perforated at 7,545-75. Casing was set last week at 7,700 feet after a heavily saturated oil sand was cored from 7,545 to 7,602.

## Week May See Four Shuler Completions

Democrat 3-27-38

### Casing Already Set; Permits Issued and New Wells Spudded.

El Dorado.—With casing set in four wells and others nearing the pay depth, the coming week and the next few weeks are expected to be active periods for oil development in the Shuler field.

All of the wells now on the sand with casing set probably will be tested and completed during the coming week. All of the wells have cored and encountered rich formations at the Jones sand level.

The past week saw the completion of three wells, two by the Phillips Petroleum Company, one of which was an extension for the area in the completion of the Marine Fee No. 1, in section 20-18-17. The other Phillips well was the Rosen No. 2, in section 18-18-17. The Marine Oil Company brought in the third producer in the Justiss No. 3, in section 18-18-17.

A number of new tests also are being started in the Shuler area. Several new wells were spudded in and permits have been issued for additional tests.

Saturday's drilling report follows: Lion, Marion No. 2, SW, E 1-2, SE 1-4, 17-18-17; setting casing at 7,650 feet, cored Jones sand from 7,542 to 7,583 feet. Lion, Marine Fee No. 3, SE, SW, 17-18-17; set 2,240 feet of 10 3/4-inch casing. Lion, Morgan A4, NWC, Lot 1, SW 1-4, 18-18-17, drilling below 6,831 feet. Lion, Miller No. 1, SW, NW, NE, 18-18-17; set casing at 7,708 feet. Lion, Morgan C2, SW, SE, SE, 18-18-17; drilling at 7,288 feet. Lion, Morgan A5, NEC, Lot 7, SW 1-4, 18-18-17; drilling at 6,766 feet. Lion, Mayfield No. 1, SEC Lot 3, NW 1-4, 18-18-17; drilling below 5,999 feet.

Lion, Edna No. 1, NEC, NW, NE, 18-18-17; derrick completed. Lion, Marcus No. 1, Lot 5, NW 1-4, 18-18-17; location. Lion, Morgan B6, SW, NW, SE, 18-18-17; rigging up. Marine, Fee No. 3, SW, SW, 17-18-17; rigging up. Marine, Fee No. 6, NEC, W 1-2, SW, 17-18-17; location. Marine, Justiss No. 3, Lot 7, NW 1-4, 18-18-17; completed as Jones sand producer. Marine, Frances Miller No. 1, Lot 1, NW 1-4, 18-18-17; drilling below 7,411 feet.

Alice Sidney, Powledge No. 1, SEC, SW 1-4, SE 1-4, 7-18-17; casing set at 7,729 feet. Alice Sidney, Powledge No. 2, NWC, SW, SE, 7-18-17; moving in rig.

Phillips, Rosen No. 2, SW, NE, SE, 18-18-17; completed as producer. Phillips, Marine Fee No. 1, NW, NE, 20-18-17; completed as Jones sand producer. Phillips, Marine No. 2, NWC, NE, NE, 20-18-17; drilling below 4,860 feet. Phillips, Justiss No. 4, Lot 6, NW 1-4, 18-18-17; drilling below 5,835 feet. Phillips, T. P. Marks No. 3, center Lot 2, SW 1-4, 18-18-17; spudded in.

Phillips, Marine No. 3, SW, NW, NW, 20-17-18; 192 feet surface casing set. Phillips, Marine No. 3, NWC, NE, NW, 20-18-17; rigging up. Phillips, Justiss No. 3, center Lot 6, NW 1-4, 18-18-17; drilling at 675 feet. Phillips, Marine No. 5, NEC, NW, NW, 20-18-17; location.

Texas-Canadian, Powledge No. 1, NEC, NW, NW, 21-18-17; drilling below 6,215 feet.

Jones, Murphy and Hurley, C. H. Murphy No. 2, Lot 6, NW 1-4, 19-18-17; permit issued. Jones, Murphy and Hurley, Murphy Land Co. A2, NE, NE, 19-18-17; drilling at 2,777 feet. Jones, Murphy and Hurley, Murphy Land Co. A3, SE, NE, 19-18-17; permit issued. Jones, Murphy and Hurley, Marine No. 3; drilling below 4,178 feet.

L. H. Simpson, Kate Powledge, S 1-2, NW, SW, 8-18-17; location made. N. F. Wilson, B. F. Justiss No. 1, in NE, SW, 18-18-17; permit issued. R. T. Adams, C. D. Justiss No. 1, SEC, Lot 2, SW, 7-18-17; permit issued.

### Lion's Marine No. 2 Well in As Good Producer.

#### 3-29-38

Special to the Gazette.

El Dorado, March 28.—Lion Oil Refining Company completed its Marine No. 2 well in the Shuler field, as a good producer from the Jones sand today.

The well is the fourth during the week and is the 23d successful completion from the Jones sand.

Officials indicated the well is on an average with other recent completions, about 50 or more barrels an hour. The location is in Section 17-18-17, on the east edge of the field. The well was swabbed in after casing had been perforated from 7,542 to 7,568 feet.

Another Lion completion is expected tomorrow from the Miller No. 1, in Section 18-18-17, where casing was perforated today.

An important north outpost test also is nearing the completion stage. It is

the Nancy E. Powledge No. 1 of Alice Sidney Oil Company in Section 7-18-17. The plug was being drilled today after casing was set below 7,600 feet. This well cored more than 60 feet of saturated sand in the Jones formation. Three other wells have been located in that direction since the Powledge showing.

In the center of production the Marine Oil Company today cored about 30 feet of oil saturated sand in the Frances Miller No. 1, in Section 18-18-17. Three others are nearing the coring stage.

### Lion Brings In New Shuler Well

Democrat 3-30-38

El Dorado (AP)—The Lion Oil Refining Company completed its Miller No. 1 test in section 18-18-17 today for the twenty-fifth Jones sand producer of the Shuler field.

No gauge was placed on the flow but operators said there was no salt water.

The Alice Sidney Oil Company was expected to complete its Powledge No. 1 test in the same area Thursday or Friday.

### New Deep Well Extends Field

Democrat 3-31-38  
Producer Reported by Alice Sidney Company Near El Dorado.

El Dorado.—The Jones sand producing area in the Shuler field southwest of El Dorado was extended about a half mile to the north today in the completion of another producer.

The newest well is the Powledge No. 1 of the Alice Sidney Oil Company in the southeast corner of the southwest quarter of the southeast quarter of Section 7-18-17.

Although no figures on the actual production were available from the field, reports indicated it is one of the best producers in the Shuler area.

The well is the first producer from the Jones deep sand in Section 7, and it is about a half mile to the north of any other production. The well was a failure in the Morgan sand below 5,000 feet and was temporarily abandoned until work was started up again after a number of producers had been obtained in the Jones sand below 7,500 feet.

Total depth of the new producer is 7,729 feet, the crew having cored down into the big lime formation before setting casing for testing at the Jones sand level. The sand was encountered from 7,520 feet to 7,631 feet.

The Alice Sidney producer is the twenty-sixth well to be completed from the Jones sand.

Alice-Sidney Powledge well brought in flowing at rate of better than 100 barrels an hour. During the first few hours the well was said to have made at the rate of 120 barrels an hour. There is no salt water with the flow, making it one of the best producers in the field.

### Miller No. 1 Becomes 25th Jones Sand Producer.

#### 4-1-38

Special to the Gazette.

El Dorado, March 30.—The 25th Jones sand producer in the Shuler field was completed late last night by the Lion Oil Refining Company in its Miller No. 1 test in Section 18-18-17, and the 26th producer in the same sand is expected to be completed by the Alice Sidney Company on its Powledge No. 1 in Section 7-18-17 tomorrow.

Completion of the Powledge test for a producer would extend the Jones sand production more than a half mile to the north. It would be the first completion in that section.

The Miller test of the Lion company was completed through 142 perforations in the casing from 7,571 to 7,578 and from 7,584 to 7,605 feet. The test, in the southwest corner of the northwest quarter of the northeast quarter of Section 18-18-17, is a slight north extension of production in the section.

The Jones sand was encountered in the Miller test of the Lion from 7,564 to 7,637 feet and casing was set at 7,708 feet. The test was flowing into the tanks this afternoon at the rate of 65 barrels per hour through a 22-64-inch choke. Officials said there was no show of salt water.

The Alice Sidney test encountered the Jones sand from 7,570 to 7,631 feet and casing was set at 7,729 feet. Operators today perforated casing.

Two other tests in the area are coring the Jones sand. The Marine company is coring the sand in its Miller No. 1 test in Section 18-18-17. Top of the sand was encountered at 7,543 feet. The Lion company is coring below 7-

570 feet after encountering the Jones sand at 7,520 feet in its Morgan C-2 in Section 18-18-17.

In addition to the 25 Jones sand producers in the Shuler field, there are 11 producers in the Morgan sands and two in the Reynolds lime for a total of 38 producers in the field. In addition to the two coring the Jones sand, there are 27 other tests on which operations are under way or to be started soon.

### Powledge No. 1 In, Extending Shuler Field

#### 4-1-38

Special to the Gazette.

El Dorado, March 31.—The producing area of the Jones sand of the Shuler field was extended a half mile to the north this morning by completion of the Powledge No. 1 test of the Alice Sidney Company, for which Dr. J. S. Rushing is trustee, in Section 7-18-17, for one of the largest producers in the area. The test is the 26th producer from the Jones sand.

Flowing 120 Barrels Hourly.

In a production test for seven hours and 45 minutes after the well was turned into the tanks, it produced 928 barrels of oil with no showing of salt water. During the first hour of the test the well was under a three-quarter inch choke and during the remainder of the period the choke was a half-inch. In the first hour the well produced at the rate of 160 barrels per hour. Average production in the seven and three-quarter hour test was 120 barrels per hour.

The new producer, located 330 feet north and 330 feet west of the southeast corner of the southwest quarter of the southeast quarter of the section, is the first drilled in that section. It is about a half-mile north of present production. It is expected many other tests will be drilled in that area.

Other Wells Planned.

The Alice Sidney Company has made locations for two other tests in the area and R. T. Adams has obtained permit for another. The Alice Sidney wells are the Powledge No. 2 in the northwest corner of the southwest quarter of the southeast quarter of the section and the Powledge No. 3 test in the southwest corner of the southeast quarter of the southeast quarter. The Adams test is C. D. Justiss No. 1 in the southeast corner of lot 2 in the southwest quarter of the section.

The Alice Sidney test was deepened from 6,000 feet when it failed to produce in the Morgan sands. Operators encountered the Jones sand at 7,570 feet and cored to 7,631 feet and continued to the lime formation and set casing at 7,729 feet. Casing was perforated from 7,600 to 7,631 feet with 122 shots.

Morgan C-2 Due in Next.

Next completion in the field is expected to be the Morgan C-2 test of the Lion Oil Refining Company in the southwest corner of the southeast quarter of the southeast quarter of Section 18-18-17, in which operators are reaming to the bottom at 7,520 after running a Schlumberger test. Jones sand was cored from 7,520 to 7,586 feet. It is expected that casing will be set tomorrow.

The Marine Oil Company is coring below 7,657 feet in its Miller No. 1 in Section 18-18-17, in which the Jones sand was encountered at 7,543 feet.

### Week Should Give Shuler Two Gushers

### Lion and Marine Company Crews Set Casing for Final Test.

#### Gazette 4-3-38

Two more producers in the Jones sand of the Shuler field are expected the coming week, following the setting of casing on the Morgan C-2 of the Lion Oil Refining Company, in section 18-18-17, and the Miller No. 1 of the Marine Oil Company in the same section.

The Lion crew set casing at 7,623 feet in the Morgan test and the Marine Company set casing at 7,729 feet in the Miller test.

The Lion Company is also coring in the Jones sand below 7,516 feet in the Morgan A-4, in section 18-18-17, after encountering the formation at 7,504 feet.

Operations in the Fee No. 3, SE, SW, 17-18-17; drilling at 3,350 feet. Lion, Morgan A-4, lot 1, SW 1-4, 18-18-17; coring below 7,516; top of sand at 7,504. Lion, Morgan C-2, SE,

SE, 18-18-17; casing set at 7,623. Lion, Morgan A-5, lot 7, SW 1-4, 18-18-17, drilling at 7,276 feet. Lion, Mayfield No. 1, lot 3, NW 1-4, 18-18-17; drilling below 6,661 feet. Lion, Edna No. 2, NW, NE, 18-18-17; rigging up rotary. Lion, Marcus No. 1, lot 5, NW 1-4, 18-18-17; building derrick. Lion, Morgan B-6, NW, SE, 18-18-17; digging cellar.

Marine, Fee No. 3, SW, SW, 17-18-17; set surface casing. Marine, Fee No. 6, NEC, W 1-2, 17-18-17; rigging up. Marine, Frances Miller No. 1, lot 1, NW 1-4, 18-18-17; casing set at 7,729 feet.

Alice Sidney, Powledge No. 2, NWC, SW, SE, 7-18-17; drilling below 150 feet. Alice Sidney, Powledge No. 3, SE, SE, 7-18-17; location.

Phillips, Marine No. 2, NWC, NE, NE, 20-18-17; drilling at 6,074 feet. Phillips, Justiss No. 4, lot 6, NW 1-4, 18-18-17; drilling below 6,565 feet. Phillips, T. P. Marks No. 3, lot 2, SW 1-4, 18-18-17; location. Phillips, Marine No. 3, SW, NW, NW, 20-17-18; drilling at 2,300 feet. Phillips, Marine No. 4, NWC, NE, NW, 20-18-17; set surface casing. Phillips, Justiss No. 3, lot 6, NW 1-4, 18-18-17; drilling at 2,500 feet. Phillips, Marine No. 5, NEC, NW, NW, 20-18-17; building derrick.

Texas, Canadian, Powledge No. 1, NW, NW, 21-18-17; drilling below 6,718 feet.

Jones, Murphy and Hurley, C. H. Murphy No. 2, lot 1, NW 1-4, 19-18-17; permit issued. Jones, Murphy and Hurley, Murphy Land Co. A-2, SEC, NE, NE, 19-18-17; drilling at 4,015. Jones, Murphy and Hurley, Murphy Land Co. A-3, SE, NE, 19-18-17; permit issued. Jones, Murphy and Hurley, Marine No. 3, NEC, W 1-2, SE, 19-18-17; drilling below 5,650 feet.

L. H. Simpson, Kate Powledge, NW, SW, 8-18-17; location made.

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

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

### Shuler Field Completes Its First Year

#### 4-6-38

Special to the Gazette.

El Dorado, April 5.—Thirty-nine producing wells from three different sands and 28 other rigs in operation is the record of the Shuler field, west of El Dorado, which is one year old today.

The field has produced more than 2,500,000 barrels of oil up to April 1. The pipeline runs from the field had been 1,240,366 barrels from the Jones sand, 1,021,346 barrels from the Morgan sands and 1,000,570 from the Reynolds lime.

Only three tests in the area have failed to make producers. Those wells, which were temporarily abandoned after failing to produce in the Morgan sand, will be deepened to the Jones sand.

The Jones sand is one of the few in the nation in which no dry holes have been drilled. There are 27 producing wells in the Jones sand. Two other tests are expected to be complete in that level this week and another is coring in the formation.

Drilling in the Shuler area has been confined largely to three sections. However, several outpost tests in other sections have been completed as producers and extensive outpost drilling to retain leases is expected.

Field Contains Three Sands.

The first producer in the Shuler area was completed Monday afternoon, April 5, 1937, by the Lion Oil Refining Company on the Edna Morgan No. 1 located in the center of Lot 1 in the southwest quarter of Section 18-18-17. The new sand was named the Morgan sand. The well was started by the Phillips Petroleum Company and temporarily abandoned at 4,270 feet.

The discovery well was later deepened to the Reynolds lime below 7,650 feet for the third producing level in the field after the Marine No. 1 of Jones, Murphy & Hurley in Section 17-18-17 had been deepened below the Morgan sand to a new producing level around 7,500 feet which was named the Jones sand.

Discovery of the Jones sand resulted in renewed drilling activities and many of the wells temporarily abandoned in the Morgan level were deepened to the new sand and completed as producers. The Lion company then deepened its discovery well below the Jones sand, passing up about 70 feet of heavy oil saturation to complete the first well in the Reynolds lime. The Marine company has also completed a well in the Reynolds lime.



## 28th Producer in Jones Sand Of Shuler Area Completed.

Special to the Gazette.  
El Dorado, April 7 (P).—The 28th Jones sand producer of the Shuler field was completed this afternoon by the Marine Oil Company on its Miller No. 1 test in section 18-18-17, and the 29th is expected to be completed tomorrow by the Lion Oil Refining Company on its Morgan C-2 test in the same section.

Operators started washing the Miller No. 1 this morning after casing was perforated from 7,560-80, 7,580-90 and 7,598 to 7,608 feet with 101 shots. The Jones sand was encountered from 7,543 to 7,598 feet and casing was set at 7,629 feet.

**Lion Drilling Two Other Tests.**  
The Lion company also is waiting on casing for final testing of its Morgan A-4 test in section 18-18-17, in which casing was set at 7,615 feet, after the Jones sand was encountered at from 7,504 to 7,576 feet.

The same company is drilling in the Jones sand below 7,555 feet in its Morgan A-5 in section 18-18-17. The top of the Jones sand was encountered at 7,511 feet and the test will be drilled to about the bottom of the formation, where coring will be resumed.

Operations are under way on 26 other tests in the area.

## Democrat 4-8-38 Marine Completes

### New Shuler Producer

El Dorado (P).—The Jones sand of the Shuler oil field had its twenty-eighth producer today with the completion of the Marine Oil Company's Miller No. 1 test in section 18-18-17. The Jones sand was encountered from 7,543 to 7,598 feet and casing was set at 7,629 feet.

The Lion Oil Company was expected to complete today the Morgan C-2, in the same section.

## One Well at Shuler Near Testing Stage Democrat 4-10-38

### Two Producers Added Past Week—Jones Sand Allowable Cut.

El Dorado — Although only one well is now nearing the testing stage, several others are not far from the Jones sand depth in the Shuler field and probably will be coring within the next few days.

Casing is being tested at this time in the Morgan A-4 of the Lion Oil Refining Company, section 18-18-17, and several other tests are well below 7,000 feet.

Two producers have been added in the Shuler field in the past few days. The Lion Company completed the Morgan C-2 in section 18-18-17, as a good producer, and the Marine Oil Company bringing in the Miller No. 1, in section 17-18-17. These brought to 29 the total number of Jones sand producers.

Effective Sunday the daily per well allowable in the Shuler area will be reduced 100 barrels per day, from 650 to 550 barrels, under an order of the Arkansas Board of Conservation. The reduction was ordered after the first of a series of bottom hole pressure tests on key wells in the area.

Saturday's drilling report follows: Lion, Marine Fee No. 3, SE SW, 17-18-17; drilling at 4,835 feet. Lion, Morgan A-4, lot 1, SW, 18-18-17; testing casing. Lion, Morgan C-2, SE SE 18-18-17; completed as Jones sand producer. Lion, Morgan A-5, lot 7, SW 18-18-17; drilling below 7,614; top of sand at 7,511. Lion, Mayfield No. 1, lot 3, NW 18-18-17; drilling below 7,335 feet. Lion, Mayfield No. 2, lot 2, NW 18-18-17; building derrick. Lion, Edna No. 1, NW NE 18-18-17; set pipe at 2,283 feet. Lion, Edna No. 2, NE NE 7-18-17; rigging up. Lion, Marcus No. 1, lot 5, NW 18-18-17; drilling at 775 feet. Lion, Morgan B-6, NW SE 18-18-17; moving\* in derrick. Marine, Fee No. 5, SW SW 17-18-17; drilling below 2,280 feet. Marine, Fee No. 6, W 1-2, SW 17-18-17; drilling at 1,670 feet. Marine, Frances Miller No. 1, lot 1, NW 18-18-17; completed as Jones sand producer.

Alice Sidney, Powledge No. 2, SW SE 7-18-17; drilling below 1,650 feet. Alice Sidney, Powledge No. 3, SE SE 7-18-17; drilling below 1,660 feet. Phillips, Marine No. 2, NE NE 20-18-17; drilling at 6,890 feet. Phillips, Marine No. 2, NE NE 20-18-17; drilling at 6,890 feet. Phillips, Justiss No. 4, lot 6, NW 18-18-17; drilling below 7,284 feet. Phillips, T. P. Marks No. 3, lot 2, SW 18-18-17; rigging up. Phillips, Marine No. 3, NW NW 20-18-17; drilling below 2,300 feet. Phillips, Justiss No. 3, center lot 6, NW 18-18-17; drilling at 4,735 feet. Phillips, Marine No. 5, NW NW 20-18-17; drilling below 1,595 feet. Texas-Canadian, Powledge No. 1,

NW NW 21-18-17; drilling below 7,270 feet.

Jones, Murphy and Hurley, C. H. Murphy No. 2, lot 5, NW 19-18-17; permit issued. Jones, Murphy and Hurley, Murphy Land Co. A-2, NE NE 19-18-17; drilling at 4,905 feet. Jones, Murphy and Hurley, Murphy Land Co. A-3, SE NE 19-18-17; permit issued. Jones, Murphy and Hurley, Marine No. 3, W 1-2, SE 19-18-17; drilling below 6,393 feet.

L. H. Simpson, Kate Powledge, 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 18-18-17; permit issued.

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

## 30th Producer in Jones Sand Of Shuler Area Completed.

Special to the Gazette.

El Dorado, April 11.—Another producer was completed by the Lion Oil Refining Company in the Jones sand of the Shuler field today, making a total of 30 wells now producing from that level. The newest producer is the Morgan A-4 test in Section 18-18-17.

The latest producer is 430 feet east and 330 feet south of the northwest corner of Lot 1, in the southwest quarter of Section 18-18-17. Casing was set at 7,615 feet after the Jones sand was cored from 7,504 to 7,576 feet. Casing was perforated from 7,530 to 7,561 feet with 129 shots.

The Lion company is coring in the lime formation below 7,622 feet in the Morgan A-5 test, in Section 18-18-17, after coring the Jones sand from 7,511 to 7,575 feet.

The Lion also is coring in the top of the Jones sand in its Mayfield No. 1, in Section 18-18-17. The first core was taken from 7,490 to 7,503 feet, and the Jones sand was encountered below that depth.

The Phillips Petroleum Company is drilling below 7,492 feet in its Justiss No. 4 test, in Section 18-18-17.

The Texas Canadian Oil Corporation is drilling below 7,476 feet in its Powledge No. 1 test, in Section 21-18-18. This is the farthest southeast test in the Shuler area.

## Mayfield No. 1 Test Cores Jones Sand at 7,520 Feet.

Special to the Gazette.

El Dorado, April 13.—Extension of the Jones sand producing area of the Shuler field a quarter of a mile to the northwest was indicated today when the Mayfield No. 1 test of the Lion Oil Refining Company, in the southeast corner of lot 3, in the northwest quarter of section 18-18-17, topped the Jones formation at 7,520 feet in coring operations. Coring is continuing in the test below 7,548 feet.

The Phillips Petroleum Company is coring below 7,552 feet in the Jones sand on its Justiss No. 4 test in the northwest corner of lot six in the northwest quarter of section 18-18-17, in which the sand was topped at 7,512 feet.

The Lion Company is expecting to test oil string on casing Friday on its Morgan A-5 test in the northeast corner of lot seven in the southwest quarter of section 18-18-17, in which pipe was set at 7,620 feet after the Jones sand was cored from 7,511 to 7,576 feet.

The Texas Canadian Company still is fishing for three cones lost from a rock bit in the hole of the Powledge No. 1 test in the northeast corner of the northwest quarter of the northwest quarter of section 21-18-17, a southeast outpost test. The test has reached 7,667 feet.

The Lion Company announced today a new test in section 18-18-17. It will be the Mayfield No. 3 and will be 330 feet south and 330 feet east of the northwest corner of lot 1 in the northwest quarter of section 18-18-17.

Drilling is under way on 16 other tests in the area, with several others rigging up preparing to start operations.

## Lion Brings In Its Morgan A-5

El Dorado.—With the completion of another well in the proven area for the thirtieth Jones sand producer, interest today in the Shuler field centered in the excellent showing being obtained in a southeast outpost test.

The latest completion was the Morgan A-5 of the Lion Oil Refining Company, in section 28-18-17, a producer ranking about with other wells in that vicinity. Its production was 694 barrels during the first period after being completed.

Extension of the field about three-eighths of a mile to the southeast was indicated as the result of showing in cores from the Powledge No. 1 of the Texas-Canadian Oil Company, in section 21-18-17. Reports from the field stated that cores showed sand and shale. The last core showed seven feet of porous sand with fair saturation. The well is down 7,608 feet, with top of the sand at 7,582 feet.

Three other wells are coring in the area. The Mayfield A-1 of the Lion

## Four Drillers Wait Cement For Testing

### democrat 4-24-38 Lion, Phillips, Texas-Canadian Due to Bring in Producers.

El Dorado.—While operators on four wells in the Shuler area were waiting on cement for final testing, reports circulated here Saturday of plans for a new well to be drilled more than three miles south and east of the Shuler area.

It was reported that John Messenger is assembling acreage for a drilling block in section 4-19-17 with the well reported planned for the Moore tract. This report could not be confirmed.

The four tests in the Shuler area on which operators are waiting on cement are the Mayfield No. 1 of the Lion Oil Refining Company, in section 18-18-17; the Marine No. 2 of the Phillips Petroleum Company, in section 20-18-17; the Justiss No. 1 of the Phillips Company, in section 18-18-17, and the Powledge No. 1 of the Texas-Canadian Company, in section 21-18-17. All these tests are expected to be completed early in the coming week.

In addition there are 16 other wells drilling in the area and seven on which operations are to be started soon.

Saturday's drilling report follows:

Lion, Marine Fee No. 3, se sw, 17-18-17, drilling at 6,720 feet. Lion, Mayfield No. 1, lot 3, nw, 18-18-17, waiting on casing at 7,107. Lion, Mayfield No. 2, lot 2, nw, 18-18-17, drilling below 2,620 feet. Lion, Edna No. 1, nw, ne, 18-18-17, drilling at 5,520 feet. Lion, Edna No. 2, ne, ne, 18-18-17, drilling below 4,557 feet. Lion, Marcus No. 1, lot 5, nw, 18-18-17, drilling below 4,516 feet. Lion, Morgan B-6, nw, se, 18-18-17, waiting on rig. Lion, Mayfield No. 3, w2, lot 1, nw, 18-18-17, rigging up. Lion, A. Nelson No. 1, lot 6, sw, 18-18-17, digging cellar.

Marine, Fee No. 5, sw, 17-18-17, drilling below 5,508 feet. Marine, Fee No. 6, w2, sw, 17-18-17, drilling below 4,933 feet.

Alice Sidney, Powledge No. 2, sw,

se, 7-18-17, drilling below 5,410 feet. Alice Sidney, Powledge No. 3, se, se, 7-18-17, drilling below 4,905 feet.

Phillips, Marine No. 2, ne, ne, 20-18-17, casing set at 7,628. Phillips, Justiss No. 4, lot 6, nw, 18-18-17, casing set at 7,673 feet. Phillips, T. P. Marks No. 3, center lot 2, sw, 18-18-17, casing set at 2,267 feet.

Phillips, Marine No. 3, nw, nw, 20-18-17, drilling below 6,052 feet. Phillips, Marine No. 4, ne, nw, 20-18-17, drilling at 5,525 feet. Phillips, Justiss No. 3, center lot 6, n, 4, 18-18-17, drilling at 6,735 feet. Phillips, Marine No. 5, nw, nw, 20-18-17, drilling below 4,449 feet.

Texas-Canadian, Powledge No. 2, nw, nw, 21-18-17, casing set at 7,675 feet.

Jones, Murphy and Hurley, C. H. Murphy No. 2, lot 6, nw, 19-18-17, permit issued. Jones, Murphy and Hurley, Murphy Land Co. A-2, ne, ne, 18-18-17, drilling at 6,252 feet. Jones, Murphy and Hurley, Murphy Land Co. A-3, se, ne, 19-18-17, permit issued. Jones, Murphy and Hurley, Marine No. 3, w2, se, 18-18-17, drilling ahead below 7,673 feet.

L. H. Simpson, Kate Powledge, s2, nw, sw, 8-18-17, location made.

N. F. Nelson, 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.

## Big Oil Field Deal Reported in Making

El Dorado.—A major oil deal that probably will add impetus to the development of the southeastern edge of the Shuler field was near completion here today, as members of the oil fraternity gave their attention to the Texas-Canadian Oil Company's Powledge No. 1, in section 21-18-17, southeast outpost, around which lies the land concerned in the multi-thousand-dollar transaction.

Authentic reports said that Bailey and Trimble, oil firm of J. D. Trimble and O. C. Bailey, chairman of the Arkansas Board of Conservation, are partners and had arranged to sell to the Atlantic Oil Producing Company several 40-acre tracts on the southeast edge of the field for a price said to be in six figures.

It was understood that most of the acreage is in sections 21 and 16-18-1. Consummation of the deal is awaiting "curing" of titles, the reports stated.

The Texas Canadian well has held the interest of oil men for about a week while it cores into the rich Jones sand. Located three-eighths of a mile southeast of present production, it has picked up saturated sand

around 7,600 feet. More cores are being taken and the well probably will be taken down to the Big Lime formation.

Outside oil interests and El Dorado capital has been interested vitally in the southeast outpost test, which may prove an indicated trend. It has been said that probably more local capital is invested in that section of the field than in any other one area.

## Lion to Cease Buying Shuler Field Oil May 1

El Dorado, Ark., April 25 (P).—Col. T. H. Barton, president of the Lion Oil Refining Company, announced tonight that effective May 1, his company would cease buying crude oil from Shuler field wells with the exception of those it owns or those in which it has an interest.

Barton said that the action was necessary because continuance of a policy of buying from all operators would tax facilities of the Lion, which, with the Root Petroleum Company, has bought all the field's output since it was brought in a year ago.

The Lion has an interest in several Shuler field wells with the Phillips Petroleum Company and with Murphy Jones & Hurley. Operators in the field who must find a new outlet for their production are the Marine Oil Company and the Alice Sidney Company.

The Root refinery will continue to buy as much Shuler crude as it can handle, a company official said. The company's refinery here has a capacity of 7,000 barrels daily and can handle approximately 5,000 barrels of Shuler

## Lion Stops Buying Shuler Field Oil

Special to the Gazette.

El Dorado, April 26.—Effective May 1, the Lion Oil Refining Company will take oil in the Shuler field only from its own wells or from wells in which it has an interest, Col. T. H. Barton, president of the company, announced today.

"The newly discovered Shuler field has been developed sufficiently at this time to indicate that it is a producing area of considerable magnitude," he said. "All indications point to further extension of the field as drilling progresses."

"During the period of the initial development of this pool, Lion Oil Refining Company has been willing to purchase from all operators in the field the daily output of their wells."

"Our company, however, is not primarily engaged in the marketing of crude oil, and it has become apparent that it would tax our facilities to attempt to market all of the oil that is to be produced in this field in the future."

"We feel, therefore, that the other operators in the field should take steps to obtain some other outlet for their oil, for they cannot expect Lion Oil Refining Company to be able to purchase the oil produced by them in this field, indefinitely. For that reason, our company has announced that, beginning May 1, 1938, it will cease to purchase the oil produced by other operators in the Shuler field, with the exception of certain leases owned jointly by our company and Phillips Petroleum Company and Jones, Murphy and Hurley."

### Lion Heaviest Buyer.

The Lion and Root have been taking all the production.

Present production is approximately 22,000 barrels daily, of which the Lion has been taking approximately 18,000 barrels and the Root Company 5,000. Under the new order the Lion will take approximately 8,500 barrels daily, with probably an additional 1,100 barrels daily from two additional wells it expects to complete this month.

Root company officials said that any change in their "take" from the field will depend on an agreement with operators.

Lion has four Morgan sand wells, 11 Jones sand wells and one Reynolds lime well, which it owns or in which it has an interest. The Lion and Phillips companies jointly own the Morgan "A" lease and the Lion, Phillips and Jones, Murphy and Hurley interests own the Morgan "C" lease.

The Lion runs oil through its eight-inch line and gas through its four-inch line. The Root's line is a six-inch one.

## Shuler Field Extended Quarter-Mile

Special to the Gazette.

El Dorado, April 27.—Two producers, making a total of 32 from the Jones sand, were completed in the Shuler field by the Lion Oil Refining Company and the Phillips Petroleum Company today.

The Mayfield No. 1 of the Lion Company, in the southeast corner of Lot 3 in the northwest quarter of section 18-18-17, is the farthest northwest test completed in the Shuler field, and extends the producing zone a quarter of a mile.

The test flowed at 69 barrels an hour through a 28-64 inch tubing choke. The well encountered 98 feet of Jones sand from 7,520 to 7,618 feet. Casing was set at 7,690 feet. Casing was perforated from 7,570 to 7,590 feet with 120 shots. There was no showing of salt water. The well cored more sand than has been cored in any other test in the field.

### Justiss No. 4 Completed.

The Justiss No. 4 of the Phillips company produced 78 barrels of oil in the first four hours on a 24-64 inch choke, with no showing of salt water. The test is in the northwest corner of Lot 6, in the northwest quarter of section 18-18-17, and encountered the Jones sand from 7,512 to 7,577 feet with casing being set at 7,671 feet. Casing was perforated from 7,552 to 7,572 feet with 175 shots.

### Other Wells Due in Soon.

The Phillips company is perforating casing in its Marine No. 2 in section 20-18-17, and is expected to complete the test tomorrow. Casing was set at a depth of 7,640 feet after the Jones sand was cored from 7,546 to 7,660 feet. The well is in the northwest corner of the northeast quarter of the northeast quarter of section 20-18-17.

Final testing is under way on the Powledge No. 1 of the Texas Canadian Company, in the northeast corner of the northwest quarter of the northwest quarter of section 21-18-17. The farthest southeast test yet drilled in the Shuler field. Operators are preparing to perforate casing, and the test is expected to be completed in a few days.

Jones, Murphy & Hurley are waiting on casing for final testing of their Marine No. 3, in section 17-18-17, in which casing was set at 7,700 feet.

Sixteen other tests in the area are drilling ahead at various depths, including two of the Phillips company which are to be drilled to the Reynolds lime formation. The tests are the Justiss No. 3, in the center of lot 6 in the northwest quarter of section 18-18-17, and the Marks No. 3, in the center of Lot 2, in the southwest quarter of section 18-18-17.

## Lion's Purchase of Rex Oil Property Completed.

Special to the Gazette.

Pine Bluff, April 27.—Lion Oil Company has bought the property of the Rex Oil Company for \$17,500. Included is a large bulk service station at West Sixth avenue and the railway, a city service station, several tanks, gasoline pumps and unloading equipment at Wabbaseka.

Lawyers for the Lion company had refused to accept deeds to the property because of tax liens obtained in 1930, 1931 and 1932 by David A. Gates, then revenue commissioner, against the Rex Oil Corporation. Chancellor Woodruff held that the tax liens did not cloud the title because more than three years had elapsed. The Arkansas Supreme Court recently affirmed his decision.

## Phillips Has New Shuler Producer

Democrat 4-27-38

El Dorado.—The Phillips Petroleum Company early today completed its Justiss No. 4 well, in section 18-18-17, for the thirty-first Jones sand producer of the Shuler field, and is preparing to perforate casing for final test on its Marine No. 2, in section 20-18-17.

The Lion Oil Refining Company is expected to complete its Mayfield No. 1 in 18-18-17, late this afternoon or early Thursday. Casing was perforated this morning.

The Justiss No. 4, in the northwest corner of lot six, in the northwest quarter of section 18-18-17, was washed in and produced 78 barrels of oil in the first four hours on a 24-64 inch choke with no show of salt water. Casing was perforated from 7,552 to 7,572 feet with 185 shots.

The Lion Company this morning perforated casing from 7,570 to 7,590 feet with 120 shots in the Mayfield No. 1.

## Lion Reduces Sharply Its Take of Shuler Oil

El Dorado.—As per announcement yesterday, and effective May 1, the Lion Oil Refining Company will take oil from the Shuler field only from its own wells, reducing the take from about 18,000 barrels daily to 8,500 barrels.

The field's total production is about 22,000 barrels daily. The remainder of the output has been taken out by the Root Petroleum Company.

Col. T. H. Barton, president of the Lion Oil Refining Company, said: "The newly discovered Shuler field has been developed sufficiently at this time to indicate that it is a producing area of considerable magnitude," he said. "All indications point to further extension of the field as drilling progresses."

"During the period of the initial development of this pool, Lion Oil Refining Company has been willing to purchase from all operators in the field the daily output of their wells."

"Our company, however, is not primarily engaged in the marketing of crude oil, and it has become apparent that it would tax our facilities to attempt to market all of the oil that is to be produced in this field in the future."

Colonel Barton said that the new program did not affect certain leases owned jointly by the Lion Company and the Phillips Company and Jones, Murphy and Hurley.

It was announced yesterday that another change had been made in the daily allowable for the south Miller county field by the state Conservation Board. The allowable is increased from 6,681 barrels to 8,588 barrels.

## Third Shuler Well Reported

### Brought In by Phillips, Following Two Wells

Wednesday

Democrat 4-28-38

El Dorado.—The third Jones sand producer in two days was completed early this morning by the Phillips Petroleum Company in its Marine No. 2, in section 20-18-17, in the southeastern section of the Shuler field.

Other completions in the two-day period were the Justiss No. 4 of the Phillips company, in section 18-18-17, and the Mayfield No. 1 of the Lion Oil Refining Company, in the southeast corner of lot three, northwest quarter section 18-18-17, which extended production in the Jones sand a quarter of a mile to the northwest.

The completion this morning is located in the northwest corner, northeast quarter, northeast quarter, of section 20-18-17. Casing was perforated from 7,549 to 7,569 feet with 179 shots.

The well was washed in with oil and flowed 120 barrels in the first three hours, on a 5-16 inch choke, with no showing of salt water.

Operators on the Powledge No. 1 of the Texas-Canadian test, in section 21-1-17, the farthest southeast test yet drilled, were perforating casing, and final test is expected to start Friday. Casing was set at 7,683 feet after Jones sand was cored from 7,582 to 7,617 feet.

Jones Murphy and Hurley are waiting on casing for final test of their Marine No. 3, in section 17-18-17. Casing was set at 7,700 feet.

## Powledge No. 1 In, Extending Shuler Field

Special to the Gazette.

Democrat 4-30-38

El Dorado, April 29.—Producing area of the Jones sand in the Shuler field was extended three-eighths of a mile to the southeast by completion of the Powledge No. 1 test of the Texas-Canadian Oil Company for a big producer this morning. The well is flowing at 40 barrels an hour on a three-eighths-inch tubing choke.

The test is in the northeast corner of the northwest quarter of Section 21-18-17, and is three-eighths of a mile east of the Marine No. 2 of the Phillips Company, in Section 20-18-17, completed yesterday.

The Jones sand was encountered from 7,582 to 7,617 feet and casing was set at 7,683. Casing was perforated from 7,586 to 7,599 feet with 80 shots and from 7,602 to 7,611 feet with 40 shots. The well was washed for two and a half hours and started flowing after the swab had been pulled 27 times. There was no showing of salt water.

The test is the first in Section 21-18-17 and its completion is expected to



result in considerable additional drilling in the section. Several operators own leases in the vicinity.

Another completion expected soon is the Marine No. 3 of Jones, Murphy & Hurley in the northeast corner of the west half of the southeast quarter of Section 17-18-17, in which casing was set at 7,700 feet after the Jones sand was encountered from 7,603 to 7,638 feet. Casing was perforated today

## Week's Fifth Shuler Well Looming Up Democrat 5-1-38 Jones-Murphy Have Pro- ducer; Buyers Sought for Shuler Oil.

El Dorado—The fifth producer from the Jones sand in the Shuler field in the past four days was in the completion stage here Saturday night, as swabbing operations were in progress on the Marine No. 3 of Jones, Murphy & Hurley, in Section 17-18-17.

Operators announced Saturday afternoon that the well already had given indications of being a producer in preliminary testing late Friday and early Saturday, and a well about in line with other recent producers is expected. The well flowed for a short time but had to be washed again and later swabbing operations were started.

This week at Shuler has been made important by two extensions of the producing area, to the northwest and to the southeast. The extension of a quarter of a mile to the northwest came in the completion of the Mayfield No. 1 of the Lion Oil Refining Company, and the southeast extension was brought about by completion of the Powledge No. 1 of the Texas-Canadian Oil Company as a good producer.

The two other producers the past week from the Jones sand were the Marine No. 2 in Section 20-18-17, and the Justiss No. 4 in Section 18-18-17, both of the Phillips Petroleum Company.

The order of the State Conservation Department reducing the production allowable of the 35 wells in the Jones sand to 6,924 barrels daily, effective May 1, will not affect the recent announcement of the Lion Oil Refining Company to curtail its "take" from the Shuler field to wells on its own and jointly operated leases, according to Lion officials, although it was indicated that there is a possibility that additional connections may be made later.

The Root Refining Company, which also operates a line to the Shuler field, is expected to continue to take approximately 5,000 barrels daily, spreading the take over the entire field.

Reduction of the allowable of the Jones sand to 6,924 barrels daily will reduce the total production of the field to approximately 11,000 barrels daily.

Under the new Conservation Board order the per well allowable will be slightly less than 200 barrels a day for the 35 wells expected to be in production during May. The previous per well allowable was 550 barrels a day. In taking this action the board expressed alarm at the decline in reservoir pressure.

**No Slump in Activity.**  
In connection with efforts to find an outlet for the Shuler crude, it was understood there was a possibility that another pipeline may be placed in operation in the field. It was said several operators were attempting to interest some company in taking part of the Shuler oil. Although the allowable is down to a low figure and some operators may be placed in the position of not having a market for their crude, there were no indications Saturday of a slow-up in activities in the field.

Saturday's drilling report follows: Lion Marine Fee No. 3, SE, SW, 18-17-17, drilling at 7,495 feet. Lion, Mayfield No. 1, Lot 3, SD 1-4, 18-18-17, completed as Jones sand producer. Lion, Mayfield No. 2, Lot 2, NW, 18-18-17, drilling below 4,960 feet. Lion, Edna No. 1, NW, NE, 18-18-17, drilling at 6,340 feet. Lion, Edna No. 2, NE, NE, 18-18-17, drilling below 5,920 feet. Lion, Marcus No. 1, Lot 5, NW 1-4, 18-18-17, drilling below 5,580 feet. Lion, Morgan B-6, NW, SE, 18-18-17, waiting on rig. Lion, Mayfield No. 3, W 1-2, Lot 1, NW, 18-18-17, casing set at 2,275 feet. Lion, A. Nelson No. 1, Lot 6, SW, 18-18-17, rigging up. Marine, Fee No. 5, SW, SW, 18-18-17, drilling below 6,161 feet. Marine, Fee No. 6, W 1-2 SW, 17-18-17, drilling below 5,855 feet.

Alice Sidney, Powledge No. 2, SW, SE, 7-18-17, drilling below 6,226 feet. Alice Sidney, Powledge No. 3, SE, SE, 7-18-17, drilling below 6,030 feet. Phillips, Marine No. 2, NE, NE, 20-18-17, casing perforated from 7,545 to 7,569 feet with 179 shots; washed in early Thursday, 120 barrels in three hours. Phillips, Jus-

tiss No. 4, Lot 6, NW 1-4, 18-18-17, casing perforated from 7,552 to 7,572 feet; washed in early Wednesday; 75 barrels in four hours on 24-64-inch choke. Phillips, T. P. Marks No. 3, center Lot 2, SW 1-4, 18-18-17, drilling at 3,664 feet. Phillips, Marine No. 3, NW, NW, 20-17-18, drilling below 6,759 feet. Phillips, Marine No. 4, NE, NW, 20-18-17, drilling at 6,330 feet. Phillips, Justiss No. 3, center Lot 6, NW 1-4, 18-18-17, drilling at 7,563 feet. Phillips, Marine No. 5, NW, NW, 20-18-17, drilling below 5,617 feet.

Texas Canadian, Powledge No. 1, NW, NW, 21-18-17, completed as Jones sand producer.

Jones, Murphy & Hurley, C. H. Murphy No. 2, Lot 6, NW 1-4, 19-18-17, permit issued. Jones, Murphy & Hurley, Murphy Land Co. A-2, NE, NE, 19-18-17, drilling at 6,814 feet. Jones, Murphy & Hurley, Murphy Land Co. A-3, SE, SE, 19-18-17, permit issued. Jones, Murphy & Hurley, Marine No. 3, W 1-2 SE, 18-17-17, casing perforated 7,602 to 7,632 feet, 100 shots, preparing to swab.

L. H. Simpson, Kate Powledge No. 1, S 1-2, NW, SW, 8-18-17, location made.

N. F. Wilson, B. F. Justiss No. 7, on 2.57-acre tract in NE, SW, 8-18-17, permit issued.

R. T. Adams, C. D. Justiss No. 1, Sev. Lot 2, SW, 7-18-17, permit.

## New Pipelines Being Laid To Shuler Field

Special to the Gazette. 5-3-38

El Dorado, May 2.—Pipeline connections were being laid today to several Shuler field wells by the Root Petroleum Company as the field operated for the second day under new drastic production orders of the Arkansas Board of Conservation and under curtailed purchases by the Lion Oil Refining Company. The Root company, which has been running oil from wells in the fields to its refinery here, plans to connect with all wells not being served in Shuler, taking 150 barrels daily from each. Meanwhile, about half a dozen wells were closed down.

In accordance with its decision announced last week the Lion company began yesterday running oil only from its own wells and wells on leases owned jointly by Lion with other companies.

Reports of possible plans by other companies to build a pipeline to Shuler could not be confirmed. One large company reported it had made no such plans.

A new order of the Board of Conservation, which took effect yesterday, reduced the allowable of the 35 Jones sand wells in Shuler from 550 barrels daily to an average of 200 barrels daily, or a total of 6,924 barrels for the field.

**Two Wells Coring.**  
Coring was in progress today on two wells, one at the Jones level and the other near the big lime. Lion Oil is coring on the Marine Fee No. 3, in section 17-18-17, below 7,563 feet, where a saturated oil sand has been found. Phillips Petroleum is coring on the Justiss No. 3 in the center of Lot 6, in 18-18-17, at slightly below 7,625 feet. The last cores showed oolitic lime with gas odor.

One completion was recorded over the week-end when Jones, Murphy & Hurley brought in their Marine No. 3, in 17-18-17, as a fair producer.

## One Well Near Testing Stage Shuler Field

Casing Set in Lion Operation; Pipeline Status Is Uncertain.  
Democrat 5-8-38

El Dorado—While some attention the last of the week was diverted to operations on a well near Village, in Columbia county, main interest among the oil fraternity continues to center on the Shuler field.

Local oil men awaited making of a second drill stem test on the Phillips No. 1 of the Standard Oil Company, in Section 15-17-19, in the Village area, after one unsuccessful attempt at a drill stem test. Good showings were obtained in cores in the well from a depth of 7,351 to 7,395 feet. There was a showing of gas and a trace of oil in the first test.

Much attention this week has been centered on the pipeline situation at Shuler and the possibility of a major company supplying a new outlet for the crude. Rumors have made the rounds of another pipeline

in addition to those in operation by the Lion Oil Refining Company and the Root Petroleum Company, as well as reports of plans for a new refinery and gasoline plant in the area, but none of these was confirmed. The Root Company started work on an expansion of the refinery here about the same time that new connections were made for taking more oil in the Shuler field.

Only one well has casing set in the area. It will probably be tested during the early part of the coming week. This well is the Marine Fee No. 3 of the Lion Oil Refining Company, in Section 18-18-17, drilling at 7,814 feet.

There are a number of other wells that are fast approaching the Jones sand depth and probably will be coring within the next few days. One down in the hard lime formation at a low level is the Justiss No. 3 of the Phillips Petroleum Company, in Section 18-18-17, drilling at 7,814 feet.

Shuler development activities spread to another section during the week when Jones, Murphy & Hurley started a new test, the Rodgers No. 1 in the southwest corner of the southwest quarter of the southwest quarter of Section 16-18-17. It is the first test in that section and if completed as a producer will result in a slight extension of production to the east and north. Drilling is now in progress at 1,027 feet.

### Drilling Report.

Saturday's drilling report follows: Lion Marine Fee No. 3, SE, SW, 17-18-17, waiting on casing at 7,614 feet. Lion, Mayfield No. 2, Lot 2, NW, 18-18-17, drilling below 5,830 feet. Lion, Edna No. 1, NW, NE, 18-18-17, drilling at 7,190 feet. Lion, Edna No. 2, NE, NE, 18-18-17, drilling below 6,805 feet. Lion, Marcus No. 1, Lot 5, NW 1-4, 18-18-17, drilling below 6,072 feet. Lion, Morgan B-6, NW, SE, 18-18-17, waiting on rig. Lion, Mayfield No. 3, W 1-2, Lot 1, NW, 18-18-17, drilling below 4,045 feet. Lion, A. Nelson No. 1, Lot 6, SW, 18-18-17, set casing at 2,260 feet.

Marine Fee No. 5, SW, SW, 17-18-17, drilling below 6,775 feet. Marine Fee No. 6, W 1-2, SW, 17-18-17, drilling below 6,427 feet.

Alice Sidney, Powledge No. 2, SW, SE, 7-18-17, drilling below 7,036 feet. Alice Sidney, Powledge No. 3, SE, SE, 7-18-17, drilling below 6,841 feet.

Phillips, T. P. Marks No. 3, Lot 2, SW 1-4, 18-18-17, drilling at 5,142 feet. Phillips, Marine No. 3, NW, NW, 20-17-18, drilling below 7,349 feet. Phillips, Marine No. 4, NE, NW, 20-18-17, drilling at 7,405 feet. Phillips, Justiss No. 3, Lot 6, NW 1-4, 18-18-17, drilling below 7,814 feet in hard lime. Phillips, Marine No. 5, NW, NW, 20-18-17, drilling below 6,450 feet.

Jones, Murphy & Hurley, C. H. Murphy No. 2, Lot 6, NW 1-4, 19-18-17, permit issued. Jones, Murphy & Hurley, Murphy Land Co. A-2, NE, NE, 19-18-17, drilling at 7,412 feet. Jones, Murphy & Hurley, Rodgers No. 1, SW, SW, 16-18-17, drilling at 1,027 feet. Jones, Murphy & Hurley, Murphy Land Co. A-3, SE, NE, 18-18-17, permit issued.

L. H. Simpson, Kate Powledge, 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.

M. R. T. Adams, C. D. Justiss No. 1, Lot 2, SW, 7-18-17, permit.

Interest in Shuler Oil Area At High Pitch.

Special to the Gazette. 5-12-38

El Dorado, May 11.—Interest in the Shuler area west of El Dorado has reached a new peak with four wells coring oil formation in the Jones sand and another test below 7,927 feet and due to be drilled below 8,000 feet to become the deepest test in the state. Another well was completed late yesterday for the field's thirty-sixth Jones sand producer.

The deepest test is the Justiss No. 3 of the Phillips Petroleum Company in the center of Lot 6 in the northwest quarter of Section 18-18-17, on which operators cored the Reynolds lime from 7,604 to 7,671 feet, with oil and gas saturation obtained.

Present record deep test is the Louis Werner Saw Mill Company No. 49 test of the Gulf Refinery Company in the Griffin area of the Smackover field, drilled to 7,973 feet several years ago. The test was drilled through the "big salt dome" without trace of oil saturation.

The Marine No. 3 test in the southwest corner of the northwest quarter of the northwest quarter of Section 20-18-17 is coring in the Jones sand at 7,560 feet after topping the Jones sand at 7,515 feet. The Marine No. 4 test in the northwest corner of the northeast quarter of the northeast quarter of Section 20-18-17 topped the Reynolds lime at 7,616 feet after coring the Jones sand from 7,516 to 7,570 feet.

Jones, Murphy & Hurley are coring in the Jones sand below 7,563 feet in their Murphy Land Company A-2 in the southeast corner of the northeast quarter of the northeast quarter of Section 19-18-17. The Jones sand was topped at 7,528 feet.

The Lion Oil Refining Company is

coring in the Jones sand below 7,587 feet in the Edna No. 1 test in the northeast corner of the northwest quarter of the northeast quarter of Section 18-18-17 after topping the oil formation at 7,569 feet.

The Lion company yesterday completed its Marine No. 3 test in the southwest corner of the southeast quarter of the southwest quarter of Section 17-18-17. The well encountered the Jones sand in cores from 7,518 feet to 7,577 feet and casing was set at 7,614 feet. Casing was perforated from 7,533 to 7,557 feet and the well was washed in with production of 510 barrels of oil in the first 15 hours on a quarter-inch tubing choke.

## State's Deepest Well Planned for Shuler

El Dorado—Interest at mid-week in the Shuler field centered in coring operations in progress on four wells and what may prove to be the deepest test yet drilled in Arkansas.

A well that is scheduled to go below 8,000 feet and is not far from that depth at this time, is the Justiss No. 3 of the Phillips Petroleum Company, in Section 18-18-17. The well is now down 7,927 feet, and company officials have stated it will be drilled below 8,000 feet. No cores were taken in the well at the Jones sand level, but oil and gas saturation was revealed in cores in the Reynolds lime, from 7,604 to 7,671 feet.

The well will become the deepest well in Arkansas when it goes below 8,000, and Phillips has announced "it will be taken about 100 feet deeper for thorough testing. The deepest test previously drilled in the state was the Louis Werner Sawmill Company No. 1 of the Gulf Refining Company in the Griffin area of the Smackover field. This well was drilled to 7,973 feet, failing to find oil showing after going through a salt dome.

## Shuler Field Crude Possibilities Listed

El Dorado—"There are unlimited possibilities of production in the Shuler deep sand oil field," J. B. Rogerson, plant superintendent of the Lion Oil Refining Company, declared here.

Rogerson also said there are unlimited possibilities in the refining of by-products from the crude, such as cosmetics, greases, various grades of asphalt, and medical oils. He added possibly several other by-products could be made from the crude.

"Shuler crude makes one of the best grades of kerosene on the market," Rogerson added. He also stated a good grade of asphalt can be refined from the crude, laboratory tests have revealed.

In speaking of the total gasoline yield from the oil, Rogerson stated that in breaking the crude down it will produce about 50 per cent octane gasoline.

## Deepest Well in Arkansas Drilled

Democrat 5-13-38  
El Dorado—The bit in the Phillips Petroleum Company's Justiss No. 3 well in section 18-18-17, in the Shuler oil field, bored into the oolitic lime today deeper than any other oil field rig ever erected in Arkansas.

Drillers on the well set the new depth record yesterday when they drilled past the 7,973-foot mark established several years ago in the Griffin area at Smackover by the Werner Sawmill Company No. 49. The sawmill company well was abandoned as a dry hole.

Officials of the Phillips Company said the oolitic lime, which has been found productive at the 7,600-foot level, would be penetrated at least 450 feet to an 8,050-foot depth and probably deeper.

The officials said that unless an unusually good showing was made at the lower levels the well would be plugged back and completed at the top part of the lime.

## More Shuler Wells Due in Coming Week

Democrat 5-15-38  
Casing Set in Murphy,  
Lion and Two Marine  
Company Tests.

El Dorado—With casing set in four wells, three others now engaged in coring operations, and several others week of completions is ahead for the Shuler deep sand field.

All of the four wells with casing set are scheduled to be completed in a few days. These are: Murphy Land Company A-2 of Jones, Mur-

phy and Hurley; the Edna No. 1 of the Lion Oil Refining Company, and the Marine No. 3 and the Marine No. 4 of the Phillips Petroleum Company.

The Alice-Sidney Oil Company is coring on two wells. One is the Powledge No. 2, in Section 7-18-17, which showed 19 feet of soft porous saturated sand in cores from 7,626 feet to 7,646 feet. In the Powledge No. 3, top of the sand was hit at 7,607 feet and saturated sand was recovered in the core from 7,608 to 7,626. In the next core, from 7,628 to 7,648 feet, saturated sand and asphaltic sand with streaks of silty sand were recovered.

Only one completion was recorded this week. It was the thirty-sixth producer from the Jones sand, completed by the Lion Oil Company, the Marine No. 3, in the southwest quarter of Section 17-18-17.

Much interest is attached to the Justiss No. 3 of the Phillips Petroleum Company, in Section 18-18-17, which has become the deepest well yet drilled in Arkansas. The well is drilling ahead at 8,030 feet, the first well in the state to go below 8,000. Phillips officials indicated that it probably will not be taken much deeper.

One new location was announced, the Justiss test of Jones and Murphy in Section 7-18-17, and if the two wells of the Alice Sidney in the same section are completed as producers, it is expected that considerable new drilling will follow on the north edge of the field.

In somewhat the same vicinity the Lion Oil Refining Company is starting a new test in the Mayfield No. 4, Section 18-18-17. Derrick is being built.

Saturday's drilling report follows: Lion, Mayfield No. 2, Lot 2, NW, 18-18-17, drilling below 6,600 feet. Lion, Edna No. 1, NW, NE, 18-18-17, casing set at 7,670 feet. Lion, Edna No. 2, NE, NE, 18-18-17, drilling below 7,560 feet. Lion, Marcus No. 1, Lot 5, NW 1-4, 18-18-17, drilling below 6,811 feet. Lion, Morgan B-6, NW, SE, 18-18-17, drilling below 1,506 feet. Lion, Mayfield No. 3, W 1-2, Lot 1, NW, 18-18-17, drilling below 5,576 feet. Lion, A. Nelson No. 1, Lot 6, SW, 18-18-17, drilling below 4,270 feet.

Marine, Fee No. 5, SW, SW, 17-18-17, drilling below 7,300 feet. Marine, Fee No. 6, W 1-2, SW, 17-18-17, drilling below 8,148 feet.

Alice Sidney, Powledge No. 2, SW, SE, 7-18-17, coring in Jones below 7,646 feet. Alice Sidney, Powledge No. 3, SE, SE, 7-18-17, coring in Jones sand below 7,648 feet.

Phillips, T. P. Marks No. 3, Lot 2, SW 1-4, 18-18-17, drilling at 5,888 feet. Phillips, Marine No. 3, NW, NW, 20-17-18, casing set at 7,630 feet. Phillips, Marine No. 4, NE, NW, 20-18-17, setting casing; total depth 7,640 feet. Phillips, Justiss No. 3, center Lot 6, NW 1-4, 18-18-17, drilling below 8,030 feet. Phillips, Marine No. 5, NW, NW, 20-18-17, drilling below 7,155 feet.

Jones, Murphy & Hurley, C. H. Murphy No. 2, Lot 6, NW 1-4, 19-18-17, permit issued.

Jones, Murphy & Hurley, Murphy Land Co. A-2, NE, NE, 19-18-17, casing set at 7,600 feet. Jones, Murphy & Hurley, Rodgers No. 1, SW, SW, 16-18-17, drilling at 2,158 feet. Jones, Murphy & Hurley, Murphy Land Co. A-3, SE, NE, 19-18-17, permit issued.

L. H. Simpson, Kate Powledge, S 1-2, NW, SW, 8-18-17, location made.

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

R. T. Adams, C. D. Justiss No. 1, Lot 2, SW, 7-18-17; permit.

Roberts and Murphy, C. D. Justiss No. 1, SE corner Lot 6, SW quarter, 7-18-17; permit issued.

## Activity In Shuler Area Continues

Special to the Gazette. 5-17-38

El Dorado, May 16.—Drilling activities continued at a fast pace in the Shuler area west of El Dorado today with casing set for final testing on six wells and coring operations under way in the Jones sand on another.

The Phillips Petroleum Company continued coring operations below 8,127 feet in brown and black lime with showings of oil in the Justiss No. 3 test, the deepest well ever drilled in Arkansas. The test is located in the center of Lot 6 in the northwest quarter of section 18-18-17.

Final testing operations are expected to be started this week-end on four of the six tests in which casing has been set, and the other two are expected to be complete early next week.

The Phillips Company is waiting on casing in two tests, both in section 20-18-17. In the Marine No. 3, casing was set at a depth of 7,630 feet after oil saturation was cored in the Jones sand

from 7,515 to 7,570 feet. The test is located in the southwest corner of the northeast quarter of the northwest quarter of the section. Casing was set at 7,640 feet after oil sand was cored in the Jones formation from 7,516 to 7,570 feet. In the Marine No. 4 test located in the northwest corner of the northeast quarter of the northwest quarter of the same section.

### Area May Be Extended.

The Alice Sidney Company this morning set casing for final testing of two wells in section 17-18-17, which, if completed as producers, would extend the Jones sand producing area still farther to the northwest. Casing was set in the Powledge No. 2 test, in the northwest corner of the southwest quarter of the southeast quarter of the section, at about 7,666 feet after Jones sand saturation was cored from 7,606 to 7,656 feet, and casing was set in the Powledge No. 3 test, in the southwest corner of the southeast quarter of the southeast quarter of the section at 7,689 feet after Jones sand saturation was cored from 7,607 to 7,654 feet.

Jones, Murphy & Hurley are waiting on casing for final testing of their Murphy Land Company A-2 test, in the southeast corner of the northeast quarter of the northeast quarter of section 19-18-17, at total rich oil saturation in the Jones sand from 7,528 to 7,580 feet.

The Lion Oil Refining Company is waiting on casing at 7,670 feet in its Edna No. 1 test, in the northeast corner of the northwest quarter of the northeast quarter of section 18-18-17, after coring the Jones sand from 7,569 to 7,629 feet. The same company is coring in the Jones sand below 7,635 feet in the Edna No. 2 test, in the northwest corner of the northeast quarter of the northeast quarter of section 18-18-17, after topping the formation at 7,569 feet.

## Four New Permits Issued; Two In Shuler Field.

Special to the Gazette. 5-18-38

El Dorado, May 17.—Permits for four new wells, including two in the Shuler field in Union county, have been issued by the Arkansas state Board of Conservation. One is in a section in which only one producer has been completed, the B. M. Dumas No. 1 of the Atlantic Refining Company, northwest corner of the northeast quarter of the northwest quarter of section 21-18-17 in the southeastern edge of the Shuler field.

The other Shuler permit is for the Mayfield No. 4 of the Lion Oil Refining Company in the center of lot 3 in the northwest quarter of section 18-18-17, a test to the big lime.

The Standard Oil Company of Louisiana obtained permit for the J. P. McKean No. 2 test in the southwest corner of the southwest quarter of the southeast quarter of section 7-16-22 in the Buckner area of Lafayette county.

Kroll and Travis of Kilgore, Tex., obtained permit to drill the K. K. Dickson No. 2 in the northeast corner of the west half of the southeast quarter of the northwest quarter of section 11-20-28 in Miller county.

## Phillips' Shuler Well Is Due In This Afternoon

El Dorado—Bringing in of another producer was scheduled today in the Shuler field, as final preparations were made for start of testing operations on one of the half-dozen wells ready for final test.

Today's completion will be the Marine No. 3 of the Phillips Petroleum Company, in section 20-18-17. At noon the crew was washing the well, after the casing had been perforated and completion was expected within a short time.

The Phillips also is perforating casing in the Marine No. 4, in the same section, and will probably run tubing this afternoon and bring the well in Thursday.

The new producer will be the thirty-seventh from the Jones sand and the fiftieth in the Shuler field at large. The field is now slightly more than a year old.

Another well reached the coring stage today. It is the Fee No. 5 of the Marine Oil Company, in section 17-18-17. The pay formation was topped at 7,517 feet.

In the deepest well ever drilled in Arkansas, the Phillips Petroleum Company is coring at 8,190 feet. Pin points of oil were shown in cores at from 8,157 to 8,167 feet.

## 50th Producer of Shuler Field Brought In.

Special to the Gazette. 5-19-38

El Dorado, May 18.—The thirty-seventh Jones sand producer and the fiftieth for the Shuler field, west of El Dorado, was completed this afternoon by the Phillips Petroleum Company on its Marine No. 4 test in Section 20-18-17. The test, on the southeastern edge of the Shuler field, is the part of seven expected to be completed as Jones sand producers soon.

Casing was perforated from 7,529 to 7,557 feet and from 7,561 to 7,656 feet with 189 shots. Casing had been set at



7,640 feet after Jones sand was cored from 7,518 to 7,570 feet. The test is in the northwest corner of the northeast quarter of the northwest quarter of the section.

Crews perforated casing today for final testing of the Marine No. 3 of the Phillips company in the southwest corner of the northwest quarter of the northwest quarter of the same section. Casing was set at 7,630 feet after Jones sand was cored from 7,515 to 7,630 feet.

## Two Wells in Shuler Field Now Coring

**Democrat 4-17-38**  
**Casing Perforated in Third, With 16 Other Wells Drilling.**

El Dorado—Operations in the Shuler field reached a new high point at the close of the week, with chief interest in two outpost tests, one in the northwest edge of the field and the other in the southeast edge.

The northwest test, the Mayfield No. 1 of the Lion Oil Refining Company, in the southeast corner of lot 3, northwest quarter of section 18-17, a quarter of a mile northwest of present production, has cored approximately 100 feet of saturated sand in the Jones formation.

Crews on the test started coring in the Jones sand at 7,520 feet and in the last core, from 7,611 to 7,626 feet, the top seven feet was of saturated oil sand, indicating the bottom of the oil formation at about 7,618 feet.

Operators are continuing coring below 7,626 feet and are expected to core to the lime formation before setting casing for final test.

The other test in the field sharing top interest is the Powledge No. 1 of the Texas-Canadian Oil Corporation, in the northeast corner of the northwest quarter of the northwest quarter, section 21-18-17, the farthest southeast test yet drilled in the Shuler area. The well is more than a quarter of a mile southeast of present production.

Crews succeeded in removing the cones from a rock bit that became lost in the hole at 7,547 feet, and started coring at that depth. The first core was taken Saturday morning from 7,548 to 7,565 feet, with hard gray sand and shale being indicated. Another core was being taken and was expected to be brought out Sunday morning.

## Phillips, Lion Bring In Wells

**Democrat 5-20-38**  
El Dorado—Two new producers were completed this morning and a third was scheduled to be completed later today in the Shuler field.

The latest producers make a total of 39 from the Jones sand and 52 in all for the Shuler area.

The new wells are the Marine No. 3 of the Phillips Petroleum Company, in section 20-18-17, and the Edna No. 1 of The Lion Oil Refining Company, in section 18-18-17.

One report from the Phillips well was that it made 180 barrels in two and one-half hours.

The Marine No. 4 of the Phillips, on the same lease, completed two days ago, and swabbed back in this morning, was reported flowing 31 barrels an hour.

The well due to be completed today is the Murphy Land Company A-2 of Jones, Murphy and Hurley, in section 19-18-17. The crew had perforated casing and was preparing to wash the well.

**Democrat 5-21-38**  
**Another Producer**

El Dorado (P)—The Shuler oil field had its 40th Jones sand producer today with completion of the Murphy Land Company A-2 of Jones, Murphy and Hurley, in section 19-18-17 at a depth of approximately 7,500 feet. Operators said it was a major producer, although the gauge was not immediately announced. It was the third completion in the Jones sand in 24 hours.

## Three More Shuler Field Wells In

**5-21-38**  
Special to the Gazette.

El Dorado, May 20.—Three new producers in the Jones sand of the Shuler field were completed today to bring to 40 the number of producers from the formation. Two other wells are testing casing before perforating and two others are waiting on cement.

The new completions are the Marine No. 3 of the Phillips Petroleum Company in Section 20-18-17, the Edna No. 1 of the Lion Oil Refining Company in Section 18-18-17 and the Murphy Land Company A-2 of Jones, Murphy & Hurley, in Section 19-18-17.

**Marine No. 3 First In.**  
The Marine No. 3 test of the Phillips Company, in the southwest corner of the northwest quarter of the northwest quarter of the section, was completed through casing perforations from 7,529 to 7,560 feet and produced 180 barrels of oil in the first two and a half hours with no show of salt water. Casing was set at 7,630 feet after Jones sand was cored from 7,515 to 7,570 feet.

The Edna No. 1 test of the Lion Oil Refining Company in the northeast corner of the northwest quarter of the northeast quarter of the section started flowing shortly before noon. Casing was perforated from 7,590 to 7,611 feet with 117 shots. Pipe had been set at 7,670 feet after Jones sand was cored from 7,569 to 7,629 feet. No estimate could be obtained on the production, but there was no showing of salt water.

**Murphy A-2 a Big Producer.**  
The Murphy Land Company A-2 of Jones, Murphy & Hurley, in the southeast corner of the northeast quarter of the northeast quarter of Section 19-18-17, was completed this afternoon for "one of the biggest producers in the field" though the gauge could not be obtained. Casing was perforated from 7,530 to 7,570 feet with 111 shots and had been set at 7,600 feet after Jones sand was cored from 7,528 to 7,580 feet.

The Alice Sidney Oil Company is testing casing on the Powledge No. 2 and Powledge No. 3 tests in Section 7-18-17 and they are expected to be completed soon.

The Lion Company is waiting on cement on its Edna No. 2 test in Section 18-18-17 and the Marine Oil Company is waiting on casing in its Fee No. 5 test in Section 17-18-17.

The Marine Company is coring in the Jones sand below 7,586 feet in the Fee No. 6 test in Section 17-18-17 and the Phillips Company is coring in the Jones formation below 7,553 feet in the Marine No. 5 test in Section 20-18-17.

## Field Reports Three Wells In Two Days

**Democrat 5-24-38**  
El Dorado—The third producer in two days was completed this morning by the Lion Oil Refining Company in the Shuler field.

The well is the Edna No. 2, in section 18-18-17. No figures were available on the initial production but, it was understood, the well was giving indications of being a good producer.

The fifty-fourth and fifty-fifth producers in the Shuler field were recorded Sunday when the Alice Sidney Oil Company brought in its Powledge No. 2 and No. 3, in section 7-18-17.

Both wells are good producers, each making between 85 and 90 barrels per hour through three-quarter-inch choke on initial gauges.

The No. 2 well was completed early in the day and the No. 3 started production within three hours of that time.

The Alice-Sidney Company is scheduled to start operations soon on the Powledge No. 4 in the same section.

## Shuler Field Yields Three New Oil Wells

**5-24-38**  
Special to the Gazette.

El Dorado, May 23.—Two Jones sand completions yesterday and one this morning kept the Shuler field in the

limelight of oil activities in south Arkansas. Three other tests are waiting on cement for final testing and two are in or below the Jones sand.

The latest completion in the Jones sand, making 43 producers for the formation and 56 for the Shuler field, was the Edna No. 2 of the Lion Oil Refining Company, in section 18-18-17, which was completed this morning. No gauge of production was made, but there was no show of salt water, Lion officials said. Casing was perforated from 7,596 to 7,616 feet with 118 shots after the pipe was set at 7,665 feet. The Jones sand was cored from 7,569 to 7,620 feet.

**Powledge Wells In.**  
Two completions yesterday were the Powledge No. 2 and Powledge No. 3 of the Alice Sidney Oil Company, in section 7-18-17, extending production in the Jones sand to the northwest. The No. 2 test produced 80 barrels an hour on a three-fourths-inch choke. The casing was set at 7,666 feet, and was perforated from 7,624 to 7,640 feet with 87 shots. The No. 3 test is producing 79 barrels an hour on a three-fourths-inch choke. Casing was set at 7,689 feet and perforated from 7,619 to 7,628 feet with 39 shots. The Jones sand was cored in the No. 2 test from 7,606 to 7,656 feet and in the No. 3 test from 7,607 to 7,654 feet. Production from both wells was 985 barrels in the first 12 hours, with no show of salt water.

**Marine Sets Casing.**  
The Marine Oil Company is waiting on casing in the Fee No. 5, in section 17-18-17, and the Fee No. 6, in the same section. Casing was set in the No. 5 at 7,584 feet after the Jones sand was cored from 7,517 to 7,586 feet and at 7,584 feet in the No. 6 after the Jones sand was cored from 7,535 to 7,586 feet.

The Phillips company this morning set casing at 7,650 feet in the Marine No. 5 test in section 20-18-17 after coring the Jones sand from 7,510 to 7,573 feet.

The Lion company is coring below 7,610 feet in the Marcus No. 1 test, in section 18-18-17, after coring the Jones sand from 7,159 to 7,605 feet, and is coring in the Jones formation below 7,602 feet in the Mayfield No. 2 test in the same section, with top of the Jones sand at 7,528 feet.

The Phillips company is preparing to set casing for final testing, probably in the Reynolds lime, in the Justiss No. 3 in the center of Lot 6, northwest quarter of section 18-18-17, after drilling and coring to a total depth of 8,328 feet, to set a new deep record for an Arkansas well.

The Alice Sidney Company has made location for the Lowledge No. 4 test in the southwest corner of the northwest quarter of the southeast quarter of section 7-18-17, and Jones, Murphy & Hurley have made location for the Murphy Land Company A-3, in the northeast corner of the southeast quarter of the northeast quarter of section 19-18-17.

## Week Closes With Another Shuler Gusher

**Democrat 5-29-38**  
**Forty-fifth Jones Sand Producer, by Marine Oil Company, In.**

El Dorado—Completion of the forty-fifth producing well from the Jones sand featured the close of another week of development in the Shuler field southwest of El Dorado.

The latest producer is the Fee No. 6 of the Marine Oil Company, in Section 17-18-17, brought in Saturday as a large producer. Washed in without the necessity of swabbing operations, the well started flowing at the rate of 64 barrels an hour.

Saturday's producer was the third for the Shuler area this week. Two new locations were announced and drilling operations were started on several other tests. Three more wells are "on the sand" and a number of others in the process of drilling.

Casing was perforated in the Marine well from 7,540 to 7,597 feet with 97 shots. The Jones sand had been cored from 7,517 to 7,586 feet.

Three other tests waiting on casing for final test are the Marine No. 5 of the Phillips Company, in Section 20-18-17, and the Marcus No. 1 and Mayfield No. 2 of the Lion Company, in Section 18-18-17. The Phillips Company is also waiting on casing at 7,800 feet in the big lime for final test of its Justiss No. 3, in Section 18-18-17.

Saturday's drilling report follows: Lion Mayfield No. 2, Lot 2, NW, 18-18-17; casing set at 7,642 feet. Lion, Marcus No. 1, Lot 5, NW 1-4, 18-18-17; casing set at 7,635 feet. Lion, Morgan B-6, NE, SE, 18-18-17; drilling below 6,610 feet. Lion, Mayfield No. 3, W 1-2 Lot 1, NW, 18-18-17; drilling below 6,939 feet. Lion, A. Nelson No. 1, Lot 6, SW, 18-18-17; drilling below 6,545 feet. Lion, Mayfield No. 4, Lot 3, NW 1-4, 18-18-17; set casing at 2,291 feet. Lion, Clarence No. 1, Lot 7, SW, 7-18-17; rigging up. Lion, Dee No. 1, SW, NE, 17-18-17; clearing location. Lion, Marvin No. 1, Lot 7, SW, 7-18-17; drilling below 1,005 feet.

Marine, Fee No. 5, SW, SW, 17-18-17; completed as Jones sand producer. Marine, Fee No. 6, NEC, W 1-2, SW, 17-18-17; casing perforated 7,540-97, washing started. Marine, Calloway No. 1, S 1-2, Lot 4, NW, 18-18-17; waiting on rig.

Alice Sidney, Powledge No. 4, NW, SE, 7-18-17; rigging up. Phillips, P. T. Marks No. 3, center Lot 2, SW 1-4, 18-18-17; drilling at 6,850 feet. Phillips, Justiss No. 3, center Lot 6, NW 1-4, 18-18-17; waiting on casing at 7,800 feet. Phillips, Marine No. 5, NEC, NW, NW, 20-18-17; waiting on casing at 7,650 feet.

Jones, Murphy & Hurley, C. H. 18-17; permit issued. Jones, Murphy Murphy No. 2, Lot 6, NW 1-4, 19-18-17; drilling at 5,771 feet. Jones, Murphy and Hurley, Murphy Land Co. A3, NEC, SE, NE, 19-18-17; drilling at 1,778 feet.

Atlantic Refining Company, B. M. Dumas No. 1, NWC, NE, NW, 21-18-17; drilling at 1,655 feet.

L. H. Simpson, Kate Powledge, SWC, S 1-2, NW, SW, 18-18-17; 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 & Murphy, C. D. Justiss No. 1, SE Cor. Lot 6, SW 1-4, Section 7-18-17; rigging up.

## Shuler Gets Two More Producers

**Democrat 5-31-38**  
El Dorado—Two more producing wells were completed today in the Shuler field, bringing the total in the area to 60.

One of the new wells is the forty-sixth to be completed from the Jones sand, and the other is the third from the Reynolds lime, below 7,600 feet.

The Reynolds lime well is the Justiss No. 3 of the Phillips Petroleum Company, southwest quarter of section 18-18-17. Washed in this morning, the well was flowing at the rate of 23 barrels per hour through 28-64 inch choke.

The Justiss well is the deepest ever drilled in Arkansas, the hole having been taken to 8,328 feet before being plugged back for testing of the lime. Casing was perforated from 7,646 feet to 7,655 feet.

The Jones sand producer is also a well of the Phillips Petroleum Company, the Marine No. 5, section 20-18-17. Flowing through a 20-64 inch choke, it was making at the rate of 12 barrels an hour. Casing was perforated from 7,530 to 7,560 feet.

Testing of two other wells is under way and completions are expected tomorrow. They are the Lion Oil Refining Company's Mayfield No. 2, in section 18-18-17, and the Marcus No. 1, same section. The wells probably will be washed in Wednesday.

## Two More Big Shuler Wells Brought In

**6-2-38**  
Special to the Gazette.

El Dorado, June 1.—Two of the best wells in the Shuler field were completed by the Lion Oil Refining Company today, bringing the week's total to four.

They were the Mayfield No. 2 and the Marcus No. 1, both in 18-18-17. The Mayfield was completed shortly before noon and in a test this afternoon produced about 100 barrels hourly. Casing was perforated from 7,573 to 7,593 feet in the Jones sand. The Marcus well was completed late today and while production figures were not available, the flow was estimated at 125 barrels hourly. Perforation was from 7,574 to 7,594 feet. The two wells are in adjoining 40s on the extreme northwest edge of production.

**Mayfield No. 5 Located.**  
Lion today announced location of its Mayfield No. 5 in 18-18-17, and drilling is near the coring stage on the Mayfield No. 3 at about 7,400 feet. The No. 4 in the same section is drilling near 4,000 feet.

Phillips Petroleum Company has announced it will drill the Marks No. 3, in 18-18-17, to the big lime. This well is

now below 7,400 feet and will pass up the Jones formation. One of the four producers this week was a Reynolds lime well, the Phillips' Justiss No. 3, which came in at about 25 barrels an hour. There are only three producers at this level in the Shuler field.

## Three Wells in Shuler Sector Nearing Completion.

**6-7-38**  
Special to the Gazette.

El Dorado, June 6.—The Lion Oil Refining Company is coring in the Jones sand below 7,622 feet after encountering the top of the formation at 7,552 feet in its Mayfield No. 3 test in Section 18-18-17. In the same section the Lion is coring below 7,532 feet in the A. Nelson No. 1 test, and is expected to encounter the top of the Jones sand in the next core.

The petroleum company is coring below 7,611 feet in the Marks No. 3 test, in Section 18-18-17, and is expected to encounter the Reynolds lime in the next few cores.

The Lion is preparing to start drilling operations on the Dee No. 1 test in Section 17-18-17, and the Mayfield No. 5 test in Section 18-18-17. The Phillips is preparing to start operations on the Marks No. 4 test in Section 18-18-17. Ten other tests are drilling but none is expected to reach the Jones sand for several days.

## Three Shuler Wells Democrat Final Stages

El Dorado—Three wells have moved into the final stages in the Shuler field southwest of El Dorado. One is coring in the Jones sand, another nearing the top of the same formation, and the third is nearing the Reynolds lime formation below 7,600 feet.

Coring in the Jones sand is the Mayfield No. 3 of the Lion Oil Refining Company, section 18-18-17. Top of formation was encountered at 7,552 feet. The Lion company is coring on the A. Nelson No. 1, also in section 18-18-17. This well is below 7,532 feet.

Nearing the Reynolds lime is the Marks No. 3 of the Phillips Petroleum Company, section 18-18-17, coring at 7,611 feet.

Preparations are being made to drill on two new Shuler tests, the Lion Oil Refining Company's Dee No. 1, in section 17-18-17, and the Phillips Petroleum Company's Marks No. 4, in section 18-18-17.

## Shuler Crews Keep Up Grind

**Many Wells Drilling With Three Due Completion Shortly.**  
**Democrat 6-12-38**

El Dorado—For the first time in several weeks no new producers were completed during the past week in the Shuler field, but drilling activities continued at a fast clip. Close of the week finds at least three wells either in the final stages or rapidly approaching same.

Ahead of the field of more than a dozen drilling operations, the Mayfield No. 3 of the Lion Oil Refining Company, in the west half of lot 1, northwest 1-4 of section 18-18-17, now in the sand. Casing has been set for final test. Probably the latter part of the coming week. Casing was set at 7,611 feet in the Jones sand.

Another nearing completion is the A. Nelson No. 1 of the Lion Company, also in section 18-18-17, coring below 7,646 feet.

The Phillips Petroleum Company is drilling ahead below 7,779 feet after going below the Jones sand formation in the Marks No. 3, in section 18-18-17. The crew is expected to start coring in search of the Big Lime formation.

Saturday's drilling report follows: Lion, Morgan B-6, SWC, NW, SC, 18-18-17; drilling below 6,226 feet. Lion, Mayfield No. 3, NEC, W 1-2, lot 1, NW, 18-18-17; casing set at 7,611 feet. Lion, A. Nelson No. 1, lot 6, SW, 18-18-17; coring below 7,646 feet. Lion, Mayfield No. 4, lot 3, NW 1-4, 18-18-17; drilling at 5,752 feet. Lion, Clarence No. 1, lot 7, SW, 7-18-17; drilling below 5,227 feet. Lion, Dee No. 1 SW, NW, 17-18-17; drilling below 5,585 feet. Lion, Mayfield No. 5, lot 2, NW, 18-18-17; drilling below 1,870 feet. Lion, Marcus No. 2, lot 3 SW, 18-18-17; clearing location. Lion, Marcus No. 3, lot 5, NW, 18-18-17; building derrick.

Marine, Calloway No. 1, S 1-2, lot 4, NW, 18-18-17; drilling below 2,535 feet.

Alice Sidney, Powledge No. 4, NW, SE, 7-18-17; drilling at 4,203 feet.

Phillips, T. P. Marks No. 3, center lot 2, SW 1-4, 18-18-17; drilling at 7,779 feet. Phillips, Marks No. 4, lot 2, SW, 18-18-17; drilling below 1,740 feet.

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, 16-18-17; drilling at 7,320 feet. Jones, Murphy and Hurley, Murphy Land Co. A-3, NES, SE, NE, 19-18-17; drilling at 4,537 feet.

Atlantic Refining Company, B. M. Dumas No. 1, NWC, NE, NW, 21-18-17; drilling below 5,700 feet.

L. H. Simpson, Kate Powledge, SWC, 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, lot 2, SW 1-4, 7-18-17; waiting on casing.

Roberts and Murphy, C. D. Justiss No. 1, SE corner lot 6, SW quarter, section 7-18-17; drilling below 2,930 feet.

## 49th Shuler Well in Jones Sand Due

**6-16-38**  
Special to the Gazette.

El Dorado, June 15.—The 49th Jones sand producer of the Shuler field is expected to be completed by the Lion Oil Refining Company early tomorrow on its Mayfield No. 3 test in Section 18-18-17. Casing was perforated day.

The pipe was perforated from 7,589 to 7,615 foot. Casing had been set at 7,720 feet, after sand had been cored from 7,552 to 7,543 feet.

**Other Tests Await Casing.**

The Lion is waiting on casing on another Jones sand test. The Phillips Petroleum Company is waiting on casing on a test expected to be completed in the lime, and Jones, Murphy & Hurley have cored heavy oil saturation in another test.

A second Lion well, the A. Nelson No. 1, in Section 18-18-17, is waiting on casing at 7,693 feet after coring the sand from 7,534 to 7,629 feet. The Phillips well, the Marks No. 3, is waiting on casing at 7,784 feet after coring the lime from 7,608 to 7,684 feet. The Jones, Murphy & Hurley test, the Rodgers No. 1 in Section 16-18-17, in the eastern edge of the field, is coring below 7,632 feet after topping the sand at 7,570 feet.

**Possible Waste to Be Checked.**

A special meeting of the state Conservation Board to determine whether there is any waste of crude oil or natural gas, or is likely to be soon, will be held at 10 a. m. Monday, June 27. A. M. Crowell, chief agent of the department announced here today.

Evidence also will be taken to determine the daily amount of crude petroleum oil and natural gas that can be produced without waste in the following fields: Buckner of Columbia and Lafayette counties, Magnolia and Village of Columbia county, south Miller county, Jones sand and Reynolds lime of Shuler field of Union county.

**Pressure Tests Planned.**

Bottom hole pressure tests in the Jones sand of the Shuler field also will be made. Wells to be tested will be shut down a short time before tests, June 19 to 23. The wells are the Phillips Petroleum Company Gan No. 1, Jennings No. 1, Markers No. 2, Rosen No. 2 and National No. 1; Lion Oil Refining Company, Morgan C-1, Morgan B-4, Marine No. 1, and Mayfield No. 2; Alice Sidney Oil Company, Powledge No. 1, Edwin M. Jones and Marine No. 4; Murphy Land Company A-1; Marine Oil Company, Justiss No. 2; Texas Canadian Oil Corporation, Powledge No. 1.

## Lion Completes Its 63d Well In Shuler Field.

**6-17-38**  
Special to the Gazette.

El Dorado, June 16.—The Lion Oil Refining Company completed its Mayfield No. 3 test, in Section 18-18-17, for a producer with initial flow of 100 barrels an hour on a quarter-inch choke early today. The completion was the forty-ninth for the Jones sand and the sixty-third for the field.

The well was completed through casing perforations from 7,595 to 7,615 feet. Casing had been set at 7,720 feet after the sand had been cored from 7,552 to 7,643 feet.

The completion was the first in the field since June 1. The Lion company is waiting on casing at 7,693 feet on the A. Nelson No. 1, in Section 18-18-17, after coring the Jones sand from 7,534 to 7,629 feet. The Phillips Petroleum Company is waiting on casing at 7,784 feet on the Marks No. 3, in Section 18-18-17, after coring the lime formation from 7,608 to 7,684 feet.

Jones, Murphy & Hurley set casing at 7,635 feet today for final testing on their Rodgers No. 1 test, in Section 16-18-17, after coring Jones sand formation from 7,570 to 7,612 feet.



# New Shuler Field Well Is Expected

## Marks No. 3 Test of Phillips Company in Completion Stage.

Democrat 6-19-38

El Dorado—Completion of another producing well was expected over the week-end in the Shuler field development, bringing to two the number of producers this week.

The well in the completion stage is the Marks No. 3 test of the Phillips Petroleum Company, in the center of lot No. 2 of the southwest quarter of section 18-18-17.

Washing operations were started on the well Saturday afternoon and completion was scheduled for early Sunday morning. The well is being tested in the Reynolds lime formation and it will be the fourth producer in the field at that pay level. Casing was perforated from 7,648 to 7,655 feet, with 63 shots. Casing was set at depth of 7,784 feet after oil saturation was cored from 7,608 to 7,684 feet.

This week's other producer was the Mayfield No. 3 of the Lion Oil Refining Company, in section 18-18-17, which was brought in flowing at the rate of around 100 barrels an hour. It is producing on a small choke.

### Two More Tests Due.

Two other tests in the area are nearing completion, both in the Jones sand. The Lion Oil Refining Company is waiting on casing at 7,691 feet on the A. Nelson No. 1, in section 18-18-17, after coring oil saturation from 7,534 to 7,629 feet.

Jones, Murphy and Hurley are waiting on casing at 7,635 feet on their Rodgers No. 1 test in section 16-18-17, an eastern outpost, after coring saturation from 7,570 to 7,612 feet.

### Saturday's drilling report:

Lion Morgan B-6 400E 350N SW NW SE 18-18-17, drilling below 6,900 feet. Lion Mayfield No. 3, 330W 330S NE W 1-2 lot 1 NW 18-18-17, completed as Jones sand producer.

Lion A. Nelson No. 1, NWC lot 6 SW 18-18-17, casing set at 7,693 feet. Lion Mayfield No. 4 center lot 3 NW 1-4 18-18-17, drilling at 6,346 feet. Lion Clarence No. 1 SWC lot 7 SW 17-18-17, drilling below 5,815 feet. Lion Dee No. 1 SEC SW NW 17-18-17, drilling below 3,110 feet. Lion Marvin No. 1 NEC lot 7 SW 7-18-17, drilling below 6,125 feet. Lion Mayfield No. 5 NEC lot 2 NW 18-18-17, drilling below 2,990 feet. Lion Marcus No. 2 SEC lot 3 SW 18-18-17, derrick completed. Marine Callaway No. 1 SEC S 1-2 lot 4 NW 18-18-17, drilling below 4,216 feet. Alice Sidney Powledge No. 4 SWC NW SE 7-18-17, perforated casing preparing to wash. Phillips T. P. Marks No. 3 center lot 2 SW 1-4 18-18-17, drilling below 2,834 feet. Phillips Marks No. 4 SWC lot 2 SW 18-18-17, drilling below 2,300 feet. Jones, Murphy and Hurley C. H. Murphy No. 2 330 from south line, 330 from east line, lot 6 NW 1-4 19-18-17. Permit issued. Jones, Murphy and Hurley Rodgers No. 1 SWC SW 16-18-17, casing set at 7,635 feet. Jones, Murphy and Hurley Murphy Land Co. A-3 NEC SE NE 19-18-17, coring below 5,616 feet. Atlantic Refining Company B. M. Dumas No. 1 NWC NE NW 21-18-17, drilling below 6,719 feet. L. H. Simpson, Ka. Powledge 330N 330W SWC 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, drilling at 3,850 feet. Roberts and Murphy, C. D. Justiss No. 1 330 feet north, 330 feet west, SE corner lot 6 SW quarter section 7-18-17, drilling below 4,648 feet.

## Oil Company Plans 13 Wells

### Phillips Secures Permits to Drill in Shuler Field.

Democrat 6-21-38

El Dorado (P)—The Phillips Petroleum Company obtained 13 drilling permits today preparatory to launching in the Shuler field what oil men predicted would be the biggest drilling campaign since the days of the famed Smackover field.

Phillips officials said nine wells would be started immediately and within a short time all rigs would be in operation. The new wells will all be outpost tests, necessitating later drilling of 14 offsets.

At the same time the Atlas Pipeline Company of Shreveport, La., announced it had arranged to take oil from the Shuler field on a permanent basis. It announced yesterday it would take oil up to July 1. The new announcement said the company would take 9,000 barrels daily, insuring the field of maximum production under present allowables.

It was reported that the Phillips, in addition to its drilling campaign planned to build a pipeline from the field either to its storage facilities at Smackover or to the Ouachita river where barge transportation is available.

Operators in the field reported yesterday the Atlas had contracted to buy 84,156 barrels of crude by July 1. Beginning Thursday, the company plans to take 10,519 barrels of oil daily from the field, bringing it here through Lion Oil Refining Company facilities and on to its Shreveport refinery through its own lines.

During May the Shuler field lacked 45,770 barrels of producing its maximum allowable of 200 barrels per well daily. Phillips, which will not be included in the Atlas purchases, was credited with 19,237 barrels of the amount. The field during June was expected to fail to reach its maximum allowable output by 57,623 barrels.

Many wells have not produced their maximum allowable recently due to market conditions. They will be opened up during the next week to bring production up to the maximum allowable for the two-month period in order to supply Atlas' needs. Daily production will be 17,319 barrels, 10,519 of which will be from wells selling to Atlas.

## Atlas to Buy Crude Oil From Shuler Field

Gazette 6-21-38

El Dorado, Ark., June 20 (P)—Plans were announced today for the Atlas Pipeline Company of Shreveport, La., to begin Thursday the purchase of crude oil from the Shuler field near here.

Operators said the company had contracted to buy enough oil before July 1 to bring all wells in the field except those of the Phillips Petroleum Company up to the production amount allowed under proration orders for May and June.

This will give the Atlas 84,156 barrels by July 1, which it expects to run at the rate of 10,519 barrels daily. Crude will be brought here through Lion Oil Company lines and then run to Shreveport through Atlas lines.

The Shuler field during May lacked 45,770 barrels of producing its allowable of 200 barrels per well daily. Of this amount 19,237 was credited to the Phillips company which will not be included in the Atlas purchase. The "underage" or amount less than the allowable production for June, was estimated at 57,623 barrels.

Because of market conditions many wells have not produced their allowable recently. They will be opened up to reach their maximum allowable for the two-month period to fill the Atlas needs. Daily production will be 17,319 barrels, 10,519 of which will be from wells selling to Atlas.

## Phillips Gets Permits For 13 Wells

Special to the Gazette. 6-22-38

El Dorado, June 21.—One of the most pretentious drilling campaigns in Arkansas since the Smackover field boom was promised today for the Shuler field when the Phillips Petroleum Company obtained permits for drilling 13 wells and was reported preparing either to build a pipeline from the Shuler field to Smackover, for storage there or shipment down the Ouachita river by barge, or to build a pipeline connecting with that of some major company in the Shuler field.

It is estimated that the Phillips tests will require the drilling of at least 14 offsets, making 27 new wells in the area.

The Atlas Pipeline Company announced yesterday plans for taking 84,156 barrels of oil monthly from wells which have been pinched down below the field allowables during May and June because of a lack of a market. The Atlas became the third major market for the crude.

A Phillips official said drilling would start immediately on nine of the company's new wells and that the other four would be drilled as quickly as possible.

Permits were issued for the following tests:

H. P. Sewell No. 1 in the southwest corner of lot 5 in the southwest quarter of section 7-18-17.  
H. P. Sewell No. 2, in the southwest

corner of lot 3 in the southwest quarter of section 7-18-17.

H. P. Sewell No. 3 in the northeast corner of lot 5 in the southwest quarter of section 7-18-17.

J. W. Edwards No. 1 in the southeast corner of the southwest quarter of the northeast quarter of section 17-18-17.

Ed Gann No. 2 in the northeast corner of the southeast quarter of the northeast quarter of section 18-18-17.

F. J. Miller No. 1 in the northeast corner of lot 4 in the southwest quarter of section 18-18-17.

Marine No. 6, in the southeast corner of the northeast quarter of the northwest quarter of section 20-18-17.

Marine No. 7 in the southwest corner of the northwest quarter of the northeast quarter of section 20-18-17.

C. H. Murphy No. 1 in the southwest corner of lot 2 in the northwest quarter of section 19-18-17.

C. H. Murphy No. 2 in the northeast corner of lot 1 in the northwest quarter of section 19-18-17.

J. C. Morgan No. 1 in the southeast corner of lot one in the northwest quarter of section 19-18-17.

J. C. Morgan No. 2 in the northwest corner of lot one in the northwest quarter of section 19-18-17.

The Alice Nelson No. 1 in the southeast corner of lot 3 in the northwest quarter of section 19-18-17.

A. Nelson No. 1 Comes In.

The Lion Oil Refining Company this morning added another big producer in the Shuler field when its A. Nelson No. 1 test in section 18-18-17 was completed for a producer of 100 barrels an hour on a choke varying from a quarter to a half-inch.

The well is in the northwest corner of lot 6 in the southwest quarter of section 18-18-17. It was the 15th producer in the Jones sand.

Casing was perforated from 7,582 to 7,604 feet with 125 shots after casing had been set at depth of 7,691 feet. The Jones sand was cored from 7,534 to 7,629 feet.

Jones, Murphy and Hurley are waiting on casing at 7,635 feet on their Rodgers No. 1 test in section 16-18-17, an eastern outpost. Operators cored the Jones sand from 7,750 to 7,612 feet. The test is in the southwest corner of the southwest quarter of the southwest quarter of the test.

## Fiftieth Shuler Well Brought In Tuesday

El Dorado (P)—Completion of the Lion Oil Refining Company's A. Nelson No. 1 in section 18-18-17 today added the 50th producer to the Shuler field from the prolific Jones sand. The well flowed at the rate of 100 barrels an hour in early production tests.

Much interest is centered on final testing, scheduled soon at the Rodgers No. 1 of Jones, Murphy and Hurley, an eastern outpost located in section 16-18-17. Operations are at a standstill pending arrival of casing.

## New Shuler Extension Seen As Dumas No. 1 Strikes Oil Sand.

Special to the Gazette. 6-24-38

El Dorado, June 23.—Extension of the producing area of the Jones sand of the Shuler field to the southeast was indicated today when the Atlantic Refining Company topped the oil-saturated formation at 7,602 feet in its B. M. Dumas No. 1 test in section 21-18-17, an eastern offset to the Powledge No. 1 of the Texas Canadian Company in the same section.

Operators are coring below 7,619 feet. The well is in the northwest corner of the northeast quarter of the northwest quarter of the section.

Following completion of its Rogers No. 1 test in section 16-18-17 for a producer of more than 100 barrels an hour, Jones, Murphy & Hurley today announced location for the Rodgers No. 2 test north of the producer in the northwest corner of the southwest quarter of the southwest quarter of the section.

The Rodgers No. 1 was completed yesterday after casing had been perforated from 7,570 to 7,596 feet with 102 shots. Casing was set at 7,635 feet and sand was cored from 7,570 to 7,612 feet.

The well, the 51st producer in the Jones sand, is the first in section 16-18-17 and extends the production area a quarter of a mile east.

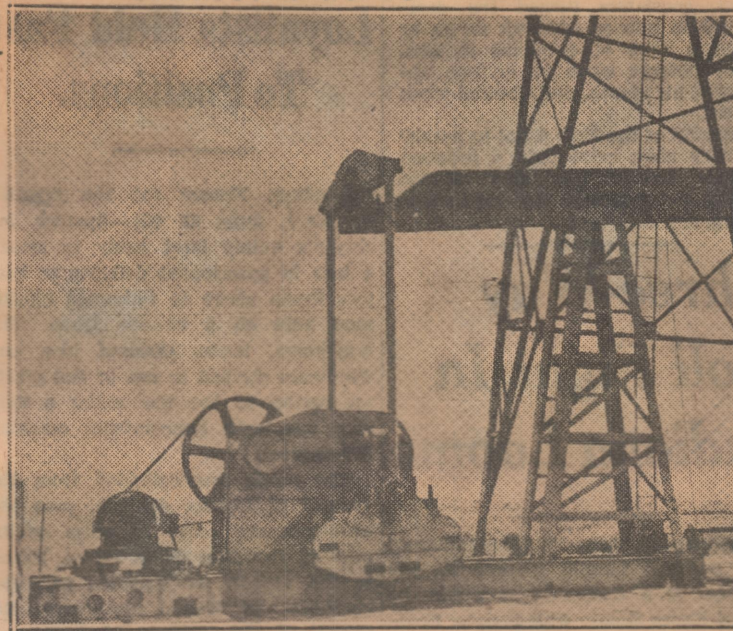
## Oil Company Electrifying Its Wells

Special to the Gazette. 6-26-38

El Dorado, June 25.—The Phillips Petroleum Company has contracted with the Arkansas Power and Light Company for power to pump wells and for other

## ELECTRIFIED OIL WELL

Gazette 6-26-38



Typical rig for electrically-operated well of Phillips Petroleum Company in the South Arkansas oil fields, showing the electric motor, the driving gear, and walking beam which is connected to sucker rod in the well.

operations in the Smackover, El Dorado and Shuler fields. A contract with the Phillips company officials was negotiated at Bartlesville, Okla., last week by Frank M. Wilkes, general manager of the power company, and 16 wells in the Smackover field were connected with the power company system last week.

Under terms of the contract the power company is to supply the Phillips company with electricity up to a demand of 3,500 kilowatts. This is as much capacity as usually found in a generating plant in a town of 6,000 to 8,000 persons. Operating at an 80 per cent load factor 24 hours a day, it is calculated that the oil company would take around 25,000,000 kilowatts hours a year from the power company's system. This is considerably more electricity than is used by the average city of 25,000 population.

The oil company has now 96 wells in the Smackover and El Dorado fields, and last week obtained permits to drill 13 wells in the Shuler field. It is the plan of the petroleum company to use electric power from the Arkansas Power and Light system for all operations in the Arkansas fields—pumping wells, operating pipe lines and other purposes. The 16 wells connected with the power company system had been equipped for electric operation, the power being supplied from a generating station equipped with gas engines. The oil company obtains a quantity of gas from the oil wells, and from casing head plants.

With power from the Arkansas Power and Light system, the oil company will equip each well with motors of from 40 to 75 horsepower, and by reason of being able to operate the pumps more rapidly will greatly increase the quantity of oil obtained from each well. The wells connected this week are from 1,800 to 2,200 feet deep. Other existing wells of the petroleum company in the South Arkansas fields will be connected during the next few months.

## Firm Will Use Electricity in All Operations

Democrat 6-26-38

Pine Bluff — The Phillips Petroleum Company, one of the major oil companies, has awarded contract to the Arkansas Power and Light Company to supply power to pump its oil wells and for other operations in the Smackover, El Dorado and Shuler fields, and 16 Smackover field wells were connected with the power company's system this week.

Contract with the Phillips company officials was negotiated at Bartlesville, Okla., last week by General Manager Frank M. Wilkes of Pine Bluff, and, under the terms of the contract, the power company will supply the Phillips company with electricity up to a demand of 3,500 kilowatts.

Operating at a load factor of 80 per cent, 24 hours per day, it is estimated that the Phillips company would take 25,000,000 kilowatt hours a year from the Arkansas Power and Light Company and this is considerably more electricity than the average city of 25,000 population uses.

At the present time the Phillips company has 96 wells in the Smackover and El Dorado fields and during last week obtained 13 new permits for drilling in the new Shuler field.

It is the plan of the Phillips company to use electric power for all its operations in the Arkansas

fields. This includes pumping wells, pipe line operation, and other purposes.

The 16 wells in the Smackover field which were electrified this week already had been equipped for electric operation, the power having been supplied from a generating system equipped with gas engines.

The Phillips company will equip each well with a motor of from 40 to 75 horsepower and expects to increase greatly the quantity of oil taken from each well.

## Atlantic to Test Well in Shuler Area

### Cores 37 Feet Saturation — Phillips Contracts Nine Wells.

Democrat 6-26-38

El Dorado—After Coring approximately 37 feet of oil-saturated formation in the Jones sand, operators on the B. M. Dumas No. 1 of the Atlantic Refining Company, in section 21-18-17, southeast edge of the Shuler field, were preparing to run Schlumberger test and set casing for final testing of the well.

Top of the sand was encountered at 7,602 feet and oil formation was cored to 7,639 feet. Drilling was resumed at that depth and another core was taken from 7,678 to 7,683 feet where the lime formation was topped. Drilling was again resumed and the hole bottomed at 7,693 feet.

The well is in the northwest corner of the northeast quarter of the northwest quarter of section 21-18-17, an east offset to the Powledge No. 1 producer of the Texas-Canadian Company in the same section. Completion of the well as a producer will extend the producing area of the Jones sand slightly to the southeast.

Also of interest is the resumption of drilling activities at the Union Sawmill Company's No. 2 deep wildcat of Joe Modisette and associates, in section 8-18-12, north of Strong, near New London.

Drilling operations were resumed Saturday morning at a depth of 2,000 feet after a temporary shutdown due to lack of water. This well is in the southwest quarter of the northeast quarter, and is scheduled to go to the Big Lime. Contract depth is 6,500 feet.

In the Shuler area the Phillips Petroleum Company is clearing locations for 13 new test wells and reports are that drilling contracts have been let for nine of the wells, though it could not be learned which of the wells would be started first.

Saturday's drilling report follows: Lion, Morgan B-5, NW, SE, 18-18-17; cemented off drill collar at 2,900 feet to sidetrack. Lion, Mayfield No. 4, center lot 3, NW 1-4, 18-18-17; drilling at 1,224 feet. Lion, Clarence No. 1, lot 7, SW, 7-18-17; drilling below 6,493 feet. Lion, Dee No. 1, SW, NW, 17-18-17; drilling below 4,970 feet. Lion, Marvin No. 1, NEC, lot 7, SW, 7-18-17; drilling below 7,221 feet. Lion, Mayfield No. 5, NEC, lot 2, NW, 18-18-17; drilling below 5,526 feet. Lion, Marcus No. 2, SEC, lot 3, SW, 18-18-17; drilling below 2,159 feet. Lion, Marcus No. 3, SWC, lot 5, NW, 18-18-17; rigging up rotary. Lion, Alice Nelson No. 2, NEC, lot 5, SW, 18-18-17; clearing location.

Marine, Callaway No. 1, lot 4, NW, 18-18-17; drilling below 5,674 feet.

Alice Sidney, Powledge No. 4, SWC, NW, SE, 7-18-17; drilling at 6,476 feet.

Phillips, Marks No. 4, SWC, lot 2, SW, 18-18-17; drilling below 4,913 feet.

Jones, Murphy and Hurley, C. H. Murphy No. 2, lot 6, NW, 19-18-17; permit issued. Jones, Murphy and Hurley, Rodgers No. 1, SWS, SW, SW, 16-18-17; completed as producer. Jones, Murphy and Hurley, Rodgers No. 2, NWC, SW, SW, 16-18-17; location. Jones, Murphy and Hurley, Murphy Land Co. A-3, NEC, SE, NE, 19-18-17; drilling below 6,209 feet.

Atlantic Refining Company, B. M. Dumas No. 1, NWC, NE, NW, 21-18-17, preparing to set pipe.

L. H. Simpson, Kate Powledge, SWC, 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, 1-18-17; permit issued.

R. T. Adams, F. W. Powledge No. 1, lot 2, SW 1-4, 7-18-17; drilling at 5,639 feet.

Roberts and Murphy, C. D. Justiss No. 1, SE, cor, lot 6, SW quarter, section 7-18-17; drilling below 5,908 feet.

## Allowable Hike Heartens Oil Belt

7-3-38

Special to the Gazette.

El Dorado, July 2.—An increase in daily production allowable for the Jones sand in July almost doubling the output of the Shuler field following the announcement by the Phillips Petroleum company of an extensive drilling campaign caused interest to continue at a high pitch in the area this week. Several other sections of the state also are attracting attention due to drilling activities in wildcat and semi-proved area.

One new Jones sand producer, the 52d, is expected to be completed in the Shuler field this week-end and two other tests are coring oil, one in the Jones sand and the other in the Reynolds lime.

B. M. Dumas No. 1 Due In. The next producer is expected to be the B. M. Dumas No. 1 of the Atlantic Refining Company in the northwest corner of the northeast quarter of the northwest quarter of section 21-18-17, in which casing was set at 7,690 feet after Jones sand was cored from 7,602 to 7,629 feet.

The Lion Oil Refining Company is coring below 7,674 feet in Reynolds lime in its Mayfield No. 4 test in the center of lot three in the northwest quarter of section 18-18-17 after encountering the formation at 7,642 feet and is coring in the Jones sand at 7,639 feet in its Marvin No. 1 test in the northeast corner of lot seven in the southwest quarter of section 7-18-17 after encountering the formation at 7,601 feet.

The Lion company is drilling ahead on six other tests. In section 18-18-17 the Morgan B-6 is drilling below 7,310 feet; the Mayfield No. 5, below 6,080 feet; the Marcus No. 2, below 3,716 feet, and the Marcus No. 3, below 2,213 feet. In section 17-18-17 the company is drilling below 5,655 feet on the Dee No. 1 and in section 7-18-17, below 6,958 feet on the Clarence No. 1 test. Location is being cleared for the Alice Nelson No. 2 test in section 18-18-17.

The Phillips company is drilling below 5,740 feet on the Marks No. 4 test in section 18-18-17 na dis moving in derricks on the H. P. Sewell No. 1 in section 7-18-17 and the H. J. Miller No. 1 in section 18-18-17, two of the 13 locations made last week.

The Marine company is drilling below 6,092 feet on the Callaway No. 1 test in section 18-18-17 and the Alice Sidney Company is drilling below 7,188 feet on the Powledge No. 4 test in section 7-18-17.

Jones, Murphy and Hurley are drilling below 6,760 feet on the Murphy Land Company A-3 test in section 19-18-17 and below 1,750 feet on the Rodgers No. 2 test in section 16-18-17. R. T. Adams is drilling below 6,097 feet on the Powledge No. 1 and Roberts and Murphy are drilling below 6,436 feet on their Justiss No. 1, both in section 7-18-17.

In section 8-18-12, in the southeastern part of Union county north of Strong, Joe Modisette and the Federal Petroleum Company are drilling below 2,730 feet on their Union Sawmill Company No. 2 wildcat test scheduled for 5,500 feet.

Tennark Test Awaits Water Well. In Craighead county the Tennark Company is temporarily shut down on its R. M. Martin No. 1 test in northeast quarter of the northeast quarter of section 35-14-3E while a water well is being drilled. The test is being drilled by Joe Modisette. It is the first of a



series planned by the Tennark company over more than 100,000 acres spread over eastern Arkansas and western Tennessee.

In Calhoun county two and a half miles south of Hampton and about 12 miles northeast of Snow Hill, C. E. Muddock is drilling a wildcat test in the southeast corner of the northwest quarter of the northwest quarter of Section 17-14-13. The test is scheduled to go to 5,000 feet unless production is encountered earlier.

In Nevada county Benedum and Trees have completed their Suckle and Blakely well in Section 4-14-20 for a big producer in the Tokio sand at 2,100 feet.

In the Village area of Columbia county east of Magnolia the Standard Oil Company is drilling below 3,625 feet in red and blue shale in the Crumpler No. 1 test in Section 15-17-19, while at Buckner in the same county, the Standard is drilling below 1,500 feet in the Warren No. 1 test. Locations have been made for nine additional tests in the Village-Magnolia area soon, but no permits have been issued. The new locations are in Section 13-17-20 and 14-17-20.

#### Shuler Allowable Hiked.

Following announcement by A. M. Crowell, chief conservation agent, that a pressure increase of seven pounds had been noted in the reservoir energy of the Jones sand during the last pressure test period and an appeal on the part of operators in the field, the Conservation Board increased the daily allowable of the Jones sand of the Shuler field to 15,013 barrels or an average of about 288 barrels per well for the 52 wells expected to be on production during July. During June the production of the wells was about 142 barrels daily, indicating that the production for July will be about 100 barrels daily per well more. The daily allocation was based 50 per cent on bottom hole pressure and 50 per cent on acreage. With 1,040.6 acres allotted to wells, the acreage factor is 7,207.4 barrels per acre and the pressure factor is .046143 barrels per pound of bottom hole pressure.

The board set an allowable for the Reynolds lime of the Shuler field to be based 50 per cent on acreage and 50 per cent on bottom hole pressure with the gas oil ratio not to exceed 2,000 cubic feet of gas to each barrel of oil. The July allowable for the four wells producing from the lime was placed at 800 barrels daily, with the acreage factor being 3.15 barrels per acre and the bottom hole pressure factor .040359 barrels per pound of pressure.

July production allowable for the Buckner field was set at 1,000 barrels daily for the five producers, the bottom hole pressure factor being .031843 barrels per pound in pressure and the acreage factor 2.5 barrels per acre.

Mr. Crowell announced that during the first 21 days of June the 50 producing wells in the Jones sand of the Shuler field produced 183,000 barrels of oil.

#### 16 Drill Permits Issued.

Sixteen drilling permits were issued by the state Conservation Department, including the 13 obtained by the Phillips company in the Shuler area.

The Standard Oil Company obtained permit to drill the J. L. Warren No. 1 test, 1,980 feet west and 660 feet south of the northeast corner of Section 18-16-22 in Lafayette county.

The Lion Oil Refining Company obtained permit to drill the Alice Nelson No. 2 test, 330 feet south and 330 feet west of the northeast corner of lot 5 in the southwest quarter of Section 18-18-17 in Union county.

Ray L. Eastbrook and T. D. Hill obtained permit to drill the E. L. Sherman No. 1 test, 454 feet east and 660 feet north of the southwest corner of the southwest quarter of the northwest quarter of Section 29-19-28 in Miller county.

The Ohio Oil Company obtained permit to plug back and perforate in the Riley Furlough No. 4 test, 1,056 feet north and 265 feet east of the center of Section 12-17-14 in Union county.

H. D. Easton et al. obtained permit to plug and abandon the R. M. Lagrone No. 1 test, 660 feet south and 660 feet west of the northeast corner of Section 5-12-26 Hempstead county.

Logs were filed by the Standard Oil Company for the W. P. Phillips et al. No. 1 in Columbia county, the Lion Oil Refining Company for the Mayfield No. 3 in Union county, the Red Iron Drilling Company for the Mitchell No. 1 in Miller county, and the Texarkana Drilling Company for the Capps No. 1 in Miller county.

### Three More Shuler Field Wells Reach Oil Strata.

7-6-38

Special to the Gazette.

El Dorado, July 5.—The Lion's Morgan B-6 test in the southwest corner of the northeast quarter of the southeast quarter of Section 18-18-17, is coring in the sand below 6,703 feet after topping the formation at 7,683 feet. The Clarence No. 1 test in southwest corner of lot 7 in the southwest quarter of Section 7-18-17, a northwest area test, is coring in the sand below 7,598 feet after topping the formation at 7,568 feet.

The Alice Sidney Oil Company is coring below 7,633 feet in the Jones sand in its Powledge No. 4 test in the southwest corner of the northwest quarter of the southeast quarter of Section 7-18-17, after topping the formation at 7,593 feet.

The Lion is waiting on casing at 7,726 feet in the Mayfield No. 4 test in the center of lot 3 in the northwest quarter of Section 18-18-17. The lime was cored from 7,642 to 7,699 feet. The Lion also is waiting on casing on the Marvin No. 1 test in the northeast corner of lot 7 in the southeast quarter of Section 7-18-17, in which the sand was cored from 7,601 to near the top of the lime encountered at 7,607 feet.

The Phillips Petroleum Company spudded in today on its H. P. Sewell test in the southwest corner of lot 2 in the southwest quarter of Section 7-18-17 one of the 13 tests for which the Phillips company obtained permits two weeks ago.

### Lion Making Final Tests on Two Shuler Wells.

7-8-38

Special to the Gazette.

El Dorado, July 7.—The Lion Oil Refining Company started final testing operation on two tests in the Shuler field today. The Lion also is drilling ahead on five other tests in the Shuler field, making a total of 12 operations in the area west of El Dorado.

Casing is being tested on the Mayfield No. 4, in Section 18-18-17, which is scheduled to be completed as a producer in the Reynolds lime, and on the Marvin No. 1, in Section 7-18-17, in the Jones sand. Casing was set at 7,718 feet in the Marvin well and at 7,726 feet in the Mayfield.

After coring Jones sand from 7,545 to 7,637 feet, casing was set at 7,637 feet in the Morgan B-6 test in Section 18-18-17, and casing is being set at 7,663 feet in the Clarence No. 1 test in Section 7-18-17 after sand was cored from 7,568 to 7,658 feet.

Three new locations were announced by Lion 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, 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 Alice Sidney Company is waiting on casing at 7,670 feet on the Powledge No. 4 test, in Section 7-18-17, after coring Jones sand from 7,593 to 7,633 feet.

Jones, Murphy & Hurley topped the Jones sand in cores on their Murphy Land Company A-3 test, in Section 18-18-17 today. The sand was topped at 7,534 feet, and operators now are coring in the sand below 7,549 feet.

### Powledge No. 4, in Shuler Area, In as Big Producer.

7-14-38

Special to the Gazette.

El Dorado, July 13.—The 54th producer from the Jones sand, making 70 for the Shuler field, was completed this morning by the Alice Sidney Oil Company on its Powledge No. 4 test in section 7-18-17, in the northwest edge of the field. No gauge has been made on its production but officials said it was one of the largest producers in the field.

The well is in the southwest corner of the northwest quarter of the southeast quarter of the section. Casing was perforated yesterday from 7,593 to 7,614 feet. Pipe was set at 7,670 feet after the sand was cored from 7,593 to 7,633 feet.

Two other tests in the field are nearing completion, another is waiting on casing, a fourth is preparing to set casing, and three others are coring in the Jones sand.

The tests nearing completion are the Morgan B-6 of the Lion Oil Refining Company in section 18-18-17 and the Clarence No. 1 of the same company in section 7-18-17.

Casing is being perforated in the Morgan B-6 test from 7,571 to 7,592 feet and in the Clarence No. 1 from 7,600 to 7,621 feet. Pipe was set in the Morgan B-6 at 7,673 feet after sand was cored from 7,533 to 7,617 feet and was set at 7,663 in the Clarence test after sand was cored from 7,668 to 7,658 feet.

The Lion today topped the Jones sand at 7,547 feet in the Mayfield No. 5 test in section 18-18-17 and is coring below 7,547 feet.

### Lion Completes Two New Wells In Shuler Area.

7-15-38

Special to the Gazette.

El Dorado, June 14.—Two more Jones sand producers in the Shuler field were completed this morning by the Lion Oil Refining Company, its Morgan B-6 test, in Section 18-18-17, and the Clarence No. 1, in Section 7-18-17. The Morgan test is in the heart of the field but the Clarence well is in the northwest edge. It was said that the wells are "big producers."

The Lion is coring in the Jones sand below 7,623 feet in the Mayfield No. 5, in Section 18-18-17, with top of the sand at 7,547 feet.

A new location was announced by the Lion for the Sewell No. 1 in the northeast corner of lot 4, in the northwest quarter of Section 18-18-17.

Jones, Murphy & Hurley are waiting on casing at 7,598 feet in their Murphy Land Company A-E in Section 19-18-17, after coring Jones sand from 7,534 to 7,563 feet.

Roberts & Murphy set casing at 7,775 feet on their Justiss No. 1, in Section 7-18-17, after coring Jones sand from 7,558 to 7,611 feet.

R. T. Adams is preparing to set casing at 7,708 feet in his Powledge No. 1, in Section 7-18-17, after coring sand from 7,616 to 7,656 feet.

The Crescent Oil Company of Monroe, La., obtained a permit to drill the Lena Lewis No. 1 test, in the southwest corner of the southeast quarter of the southwest quarter of Section 16-18-17, an east extension to the field.

## Murphy Well In; Fourth Of Week

Ark. Gazette July 17, 1938

El Dorado, Ark., July 16 (AP).—Jones, Murphy and Hurley today completed their Murphy Land Company well in section 19-18-17 for what operators described as one of the largest producers in the Shuler field.

The well was flowing at the rate of 125 barrels an hour through a one-inch choke. The completion marked the fourth big well brought in this week.

## Drilling At New High In Shuler Area

7-17-38

Special to the Gazette.

El Dorado, July 16.—Activities in the Shuler area west of El Dorado reached a new high this week with completion of three producers from the prolific Jones sand, one waiting on casing for final testing, two setting casing and two others coring oil saturation in the sand. In addition, two new locations were made.

Two of the completions were in the northwest edge of the field and one in the heart of production. The first was the Powledge No. 4 of the Alice Sidney Company in the southwest corner of the northwest quarter of the southeast quarter of section 7-18-17, which had initial production of 65 barrels an hour through a 48-64-inch tubing choke. The sand was cored from 7,593 to 7,633 feet and casing set at 7,670 feet. The pipe was perforated from 7,593 to 7,614 feet with 110 shots and the well washed in through tubing.

#### Lion Completes Two Wells.

The Lion Oil Company completed two wells, the Morgan B-6 in section 18-18-17 in the heart of the field and the Clarence No. 1 in section 7-18-17 in the northwestern edge of the field. Initial production was about 30 barrels an hour through a quarter-inch tubing choke. The test, in the southwest corner of the northwest quarter of the southeast quarter of section 18-18-17, encountered the sand from 7,533 to 7,618 feet and pipe was set at 7,637 feet. Casing was perforated from 7,571 to 7,592 feet with 116 shots.

The Clarence No. 1, in the southwest corner of lot 7 in the southwest quarter of section 7-18-17, encountered the Jones sand from 7,568 to 7,658 feet and casing was set at 7,663 feet and then perforated from 7,600 to 7,621 feet with 123 shots.

Jones, Murphy and Hurley are waiting on casing at 7,590 feet in their Murphy Land Company A-3 test in section 19-18-17 in the southwest part of the field for final testing, after coring Jones sand from 7,534 to 7,564 feet.

Roberts and Murphy are setting casing at 7,775 feet on their Justiss No. 1 test in section 7-18-17 after coring Jones sand from 7,558 to 7,611 feet. R. T. Adams also is setting casing on his Powledge No. 1 test in section 7-18-17 at 7,708 feet after coring Jones sand from 7,616 to 7,656 feet.

The Lion Oil Company is coring in Jones sand below 7,623 feet in its Mayfield No. 5 test in section 18-18-17 after topping the sand at 7,547 feet. The Marine Oil Company is coring in the Jones formation below 7,597 feet in the Callaway No. 1 test in section 18-18-17, after topping the sand at 7,537 feet.

The new locations announced were for the Sewell No. 1 of the Lion Company in the northeast corner of lot 4 in the northwest quarter of section 18-18-17 and the Lena Lewis No. 1 of

the Crescent Drilling Company of Monroe, La., in the southwest corner of the southeast quarter of the southwest quarter of section 16-18-17, a quarter mile east of production in the Shuler field.

The Lion is drilling ahead on three other tests in the field and preparing to start on four others. The Dee No. 1 in section 17-18-17 is drilling below 6,642 feet; the Marcus No. 2 in section 18-18-17, below 6,071 feet, and the Marcus No. 3 in the same section, below 5,325 feet. The Nelson No. 2 in section 18-18-17 is rigging up, the Marcus No. 4 in section 18-18-17 is waiting on rig and derricks are being built for the Marvin No. 2 in section 7-18-17 and the National No. 1 in section 17-18-17.

The Phillips Company is drilling below 7,110 feet on its Marks No. 4 in section 18-18-17; below 3,000 feet on the Sewell No. 1 in section 7-18-17 and below 2,150 feet on the Miller No. 1 in section 18-18-17.

Jones, Murphy and Hurley are drilling below 5,425 feet on their Rodgers No. 2 in section 6-18-17 and the Atlantic Refining Company is drilling below 2,291 feet on its Rodgers No. 1 in the same section.

#### Pressure Tests Start Today.

Schedule for the July series of pressure tests for the Jones sand on key wells in the Shuler field has been announced by A. M. Crowell, chief conservation agent for the Arkansas Department of Conservation. The tests will be made tomorrow through Wednesday on 15 wells in the field. All of the wells will be shut in for 48 hours before the bottom hole pressure tests are made.

In Columbia county in the Village area near the Union county line, the Pohn Oil Company was expected to start coring this week-end for the Reynolds lime below 6,200 feet in its Phillips No. 1 test in section 15-17-19. In the same section the Standard Oil Company is drilling below 5,645 feet in its Crumpler No. 1 test.

In the Buckner area of Columbia county the Standard is drilling below 5,523 feet on its Warren No. 1 test in section 18-16-22 and below 3,442 feet in its McKean No. 3 test in section 7-16-22.

In Union county near Strong, Joe Modisette and associates are shut down while making rig repairs on their Union Sawmill No. 2 in section 8-18-12.

In Calhoun county southeast of Hampton C. E. Muddock is curing titles before resuming drilling on his Southern Kraft No. 1 in section 17-15-13, which was spudded in about two weeks ago.

Four permits to drill new wells have been issued by the state Conservation Department.

#### Three New Shuler Tests Planned.

The Lion Oil Refining Company obtained permits for three tests in the Shuler field, the Marcus No. 4, 330 feet south and 330 feet east of the northwest corner of lot 3, in the southwest quarter of section 18-18-17; the Marvin No. 2, 330 feet north and 330 feet west of the southeast corner of lot 1 in the southwest quarter of section 7-18-17, and the National No. 1, 330 feet south and 330 feet east of the northwest corner of the northeast quarter of the southwest quarter of section 17-18-17, all in Union county.

The Standard Oil Company obtained permit for the Minnie Harris et al. No. 1 test, 660 feet south and 660 feet west of the northeast corner of the northeast quarter of the southwest quarter of section 15-17-19 in Columbia county.

Ray L. Eastbrook and T. D. Hill obtained permit to change location of the E. L. Sherman No. 1 test to 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.

The Standard Oil Company obtained permission to plug and abandon the J.

R. Burns No. 1 test, 170 feet west and 200 feet north of the southeast corner of the southwest quarter of the northwest quarter of section 31-17-15 in Union county.

Logs were filed by A. M. Sutton for the Cross No. 1 test in Miller county; by the Standard Oil Company for the J. P. McKean No. 2 test in Lafayette county, and by the Atlantic Refining Company for the B. M. Dumas No. 1 in Union county.

### Shuler Field Extended by One Offset to Northwest.

7-22-38

Special to the Gazette.

El Dorado, July 21.—Roberts & Murphy completed their C. D. Justice No. 1 well, in the southeast corner lot 6, section 7-18-17, Shuler field, today. The well, on an initial test, made 94 barrels an hour on a half-inch choke. There was no appreciable water.

Completed from the Jones sand with perforations at 7,597 to 7,616 feet, the Justice well extends the field one offset to the northwest. Casing had been set at 7,740 feet after more than 50 feet of sand was cored. J. I. ("Cap") Roberts, Shreveport, drilling contractor, and C. H. Murphy of El Dorado, are the owners.

R. T. Adams is testing on the F. W. Powledge No. 1 in section 7-18-17, a northwest outpost test more than a quarter mile from production near the

old Schuler postoffice site. Casing was set at 7,720 feet after crews had cored 40 feet of Jones sand.

The Lion Oil Refining company expects to complete its Mayfield No. 5, in 18-18-17, tomorrow or Saturday. Crews cored about 90 feet of Jones sand in this well, and casing was set at slightly below 7,700 feet. The Marine Oil

Company is ready to set casing on the Calloway No. 1, Lot 4, 18-18-17, after coring 75 feet of Jones sand from 7,537 to 7,612 feet. Phillips Petroleum is approximately 7,630 feet in the big lime on the Marks No. 4. This well showed about 70 feet of Jones sand.

## Calloway No. 1 Well Brought In

El Dorado, Ark., July 31 (AP).—The Marine Oil Company announced completion today of its Calloway No. 1 in section 18-18-17 of the Shuler field. It was brought in flowing 64 barrels an hour on a half-inch choke and made 965 barrels in 18 hours on a 20-64-inch choke.

## 63d Jones Sand Well Brought In

Gazette 8-4-38

Special to the Gazette.

El Dorado, Aug. 3.—The 63d Jones sand producer in the Shuler field was completed late last night by the Lion Oil Refining Company on its Dee No. 1 test in Section 17-18-17, with production of about 50 barrels an hour through a quarter-inch tubing choke.

The well was completed through 116 casing perforations from 7,500 to 7,580 feet. Pipe had been set at 7,656 feet after sand was cored from 7,545 to 7,631 feet.

Marcus No. 2 Awaits Casing. The Lion Company is waiting on

casing at 7,712 feet in its Marcus No. 2 test in Section 18-18-17, after coring sand from 7,521 to 7,618 feet and is coring in the Jones sand below 7,550 feet in its Marcus No. 3 test in the same section after encountering top of the sand at 7,529 feet.

Jones, Murphy & Hurley are drilling ahead below 7,589 feet in their Rodgers No. 2 test in Section 16-18-17, after encountering the top of the Jones sand at 7,589 feet.

### Another Big Producer Brought In in Shuler Field.

8-16-38

Special to the Gazette.

El Dorado, Aug. 15.—Another big producer was brought in in the Schuler field when the Atlantic Refining Company's Rodgers No. 1, in section 16-18-17, gauged more than 60 barrels an hour today. The well is a Jones sand producer, and is on the extreme east edge of the field, about a mile and three-quarters from the discovery area. In tests today the well flowed more than 485 barrels in eight hours through a three-quarter inch choke. Casing was set at 7,623 feet after a rich sand had been cored at the Jones level.

The completion continued the record of no failures in the Jones formation, with a total of 66 wells in the field.

Another Jones sand well entered the completion stage today as Lion Oil Refining Company perforated casing on its Marcu No. 3, in section 18-18-17, the older producing area. It is slated for completion tomorrow. The Lion also is expected to start coring for the Jones sand soon on the Marcus No. 4, in 18-18-17, now drilling at 7,150 feet.

Phillips Petroleum Company was coring a saturated sand below 7,610 feet in the H. P. Sewell No. 1, in 7-18-17, a north side location. A good sand also was cored by the Phillips in the H. J. Miller, in 18-18-17, now below 7,570 feet. Jones, Murphy & Hurley are coring the Jones formation at 7,620 on the C. H. Murphy No. 1, 19-18-17.



# Drilling In Shuler To Be Continued

8-18-38

New York, Aug. 17 (AP).—Announcement was made here today that the Lion Oil Refining Company of El Dorado, Ark., had completed a deferred loan of \$3,200,000 with the Central Hanover Bank and Trust Company of New York to provide additional working capital and funds for completion of a development in the Shuler (Ark.) oil field.

Plans call for two years of drilling, the announcement, released by Col. T. H. Barton, company president, said.

Colonel Barton left El Dorado yesterday for a vacation and could not be reached for a further statement.

Lion's vice president, T. M. Martin, El Dorado, in charge in Colonel Barton's absence, said:

"We have nothing to add to the announcement of the loan given out in New York city."

## Phillips Completes 68th Well In Shuler Field.

8-28-38

El Dorado, Ark., Aug. 27 (AP).—The Phillips Petroleum Company completed the 68th producer from the Jones sand of the Shuler oil field today. It was the Sewell No. 1, in section 7-18-17. No gauge was available on the well tonight, but officials said it appeared to rank with other producers of the field.

## Three Shuler Wells Added Over Weekend

8-29-38

Special to the Gazette.

El Dorado, Aug. 28.—Three wells were completed in the Shuler field over the week-end, all from the Jones sand, bringing the successful tests to 70 at that level.

Phillips Petroleum Company brought in its H. P. Sewell No. 1 in Section 7-18-17 as a good producer with no show of water yesterday, and the same company today completed its H. J. Miller No. 1 in Section 18-18-17. Lion Oil Refining Company completed the Marcus No. 4 in Section 18-18-17. The Sewell was perforated at 7,576-98, the Miller at 7,580-7,614, and the Marcus at 7,570-90.

All three wells were pinched to the allowable of 300 barrels daily.

Field Extended by Sewell Well.

The Miller and Marcus are near the center of production, but the Sewell is a northwest outpost and extends the field nearly a quarter-mile in that direction.

Several other wells are drilling in that immediate area, to which activity has shifted. Lion has cored the Jones sand below 7,600 feet on its Marvin No. 2 in Section 7, and Roberts and Murphy are below 6,100 feet on their Leona No. 2, in the same section. Crescent Drilling Company will start coring for the Jones sand soon on the Lena Lewis No. 1 in 17-18-17, east side.

## Lion Company Scores Twice As Week Ends

9-4-38

Ark. Democrat  
Reports National No. 1 and Marvin No. 2 in Late Saturday.

El Dorado.—Two more producing wells were completed Saturday afternoon in the Shuler field by the Lion Oil Refining Company. Both producers are from the Jones sand and brought to 72 the number of wells from this formation.

Brought in late in the afternoon, company officials reported no gauge had been taken, but estimated that from the initial showing each well will be good for between 70 and 80 barrels an hour. Casings were perforated Friday night and washing operations started Saturday morning.

Casing was perforated at from 7,614 to 7,628 feet in the Marvin No. 2, southeast corner Lot 1, south-

west quarter, section 7-18-17.

In the National No. 1, northwest corner, northeast quarter, southwest quarter, section 17-18-17, casing was perforated from 7,560 to 7,580 feet.

The Lion is also waiting on casing on two other tests. The Sewell No. 1, section 18-18-17, encountered the sand in cores from 7,539 to 7,620 feet. The Nelson No. 2, in section 18-18-17, struck the sand in cores from 7,552 to 7,642 feet.

The Crescent Drilling Company is waiting on casing for final testing of its Lewis No. 1, section 16-18-17, in which sand was cored from 7,571 to 7,600 feet.

Saturday's drilling report follows: Lion, Dee No. 2, SW, SE, NW, 17-18-17; drilling at 6,345 feet. Lion, Marvin No. 2, section, lot 1, SW, 7-18-17; casing perforated from 7,614 to 7,628 feet. Lion, Alice Nelson No. 2, lot 5, SW, 18-18-17; Saturated sand in core at 7,613 feet; preparing to set casing at 7,700 feet. Lion, National No. 1, NWC, NE, SW, 17-18-17; casing perforated from 7,560 to 7,580 feet. Lion, Sewell No. 1, lot 4, NW, 18-18-17; oolitic lime cored from 7,691 to 7,674 feet; setting casing at 7,725 feet.

Lion, Morgan A-6 section, lot 1, SW, 18-18-17; drilling below 6,018

feet. Lion, Marine No. 4, NEC, SE, 1-4, SE, SE, 17-18-17; drilling below 5,150 feet. Lion, Marine No. 5, SEC, NE, SE, 17-18-17; drilling at 1,382 feet. Lion, Clarence No. 2, NWC, lot 1, SW, 18-18-17; drilling below 6,282 feet. Lion, Mayfield No. 6, NWC, lot 3, NW, 18-18-17; waiting on rig. Lion, B. Powledge No. 1, SW, lot 2, SW, 7-18-17; building derrick. Marine, Callaway No. 2, NWC, E 1-2, SE, NE, 13-18-18; fishing for drill collar; total depth 6,348 feet.

Phillips, Sewell No. 2, 18-18-17; drilling at 4,989 feet. Phillips, Sewell No. 3, 18-18-17; drilling at 4,709 feet. Phillips, Ed Gann No. 2, NEC, SE, NE, 18-18-17; drilling below 5,375 feet. Phillips, S. H. Goodwin No. 1, C, N, 1-2, lot 1, NW, 19-18-17; moving in material. Phillips, Alice Nelson No. 1, SEC, lot 3, NW, 19-18-17; permit. Phillips, Brian No. 1, NWC, NE, SE, 13-18-18; drilling below 214 feet. Phillips, El Dorado Bank No. 1, SW, NW, SE, 12-18-18; drilling below 210 feet. Phillips, Milling No. 1, SE, lot No. 4 SW, 18-18-17; waiting on orders.

Atlantic, Dumas No. 2, NEC, NE, NW, 21-18-17; drilling below 5,606 feet.

Jones, Murphy and Hurley, Murphy Land Co. B-1, SW, S 1-2, W 1-2, SE, NE, 13-18-18; washing to bottom. Jones, Murphy and Hurley, Gallagher No. 1, NEC, lot 4, NW, 18-18-17; drilling at 7,264 feet. Jones, Murphy and Hurley, C. H. Murphy No. 2, lot 6, NW 1-4, 19-18-17; permit issued.

C. H. Murphy et al. fee No. 1, SEC, SW, NE, 13-18-18; permit.

Crescent Drilling Co., Lena Lewis No. 1, SW, SE, SW, 16-18-17; coring below 6,507; setting casing at 7,637. Crescent Drilling Co., Sewell No. 1, SEC, NE, NE, 12-18-18; drilling below 3,515 feet.

Root Petroleum Co., F. F. Justiss No. 1, SW, SW, NE, 7-18-17; permit.

Roberts and Murphy, Leona No. 2, NWC, lot 6, SE, 7-18-17; drilling below 6,914 feet.

## Interest In Shuler Area Increased

9-9-38

Special to the Gazette.

El Dorado, Sept. 8.—Coring of 38 feet of heavily saturated oil sand by Jones, Murphy & Hurley in their Gallagher No. 1 test, in Section 19-18-17, "across a forty" from a test which the same operators abandoned as a dry hole several weeks ago, caused increased interest in the Shuler area today. The well cored heavily saturated oil sand from 7,583 to 7,621 feet after which a Schlumberger test was made. Casing will be set for final testing.

Lion Completes Sewell 1.

The Lion Oil Refining Company completed the Sewell No. 1 test, in the northeast corner of Lot 4, in the northwest quarter of Section 18-18-17, as the 73d Jones sand producer in the area. The well is flowing at the rate of from 70 to 80 barrels an hour on a choke varying from one-quarter to a half inch. The well encountered Jones sand from 7,539 to 7,620 feet. Casing was set at 7,725 feet. Pipe was perforated from 7,588 to 7,608 feet with 118 shots.

The Gallagher No. 1 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, which was abandoned as a dry hole at 7,789 feet, was located in the northwest corner of Lot 6, in the northwest quarter of the same section.

To Test Nelson.

The Lion also is perforating casing for final testing of its Nelson No. 2, in the northeast corner of Lot 5, in the southwest quarter of Section 18-18-17, from 7,586 to 7,606 feet with 120 shots. Sand was cored from 7,552 to 7,642 feet and pipe set at 7,700 feet. Completion

is expected tomorrow.

The Crescent Drilling Company is running tubing for final testing of its Lewis No. 1, in the southwest corner of the southeast quarter of the southwest quarter of Section 16-18-17. Jones sand was cored from 7,571 to 7,600 feet with casing set at 7,637 feet.

Roberts & Murphy started coring operations on their Leona No. 2, in Section 7-18-17, at 7,578 feet with top of the sand expected to be encountered soon.

## 74th Jones Sand Well in Shuler Field Brought In.

Special to the Gazette. 9-10-38

El Dorado, Sept. 9.—The 74th producer in the Jones sand, in the eastern edge of the field, was completed last night by the Crescent Drilling Company on its Lewis No. 1 test in Section 16-18-17. The well produced 368 barrels of oil in nine hours on a half-inch choke. Tubing pressure was 730 pounds and casing pressure was 875 pounds.

The well, in the southwest corner of the southeast quarter of the southwest quarter of Section 16-18-17, encountered the Jones sand in cores from 7,571 to 7,600 feet, and casing was set at 7,637 feet. Pipe was perforated from 7,571 to 7,584 with 85 shots.

Another test expected to be completed by early tomorrow is the Nelson No. 2 of the Lion Oil Refining Company in the northeast corner of lot 5 in the southwest quarter of Section 18-18-17. Casing is being perforated from 7,586 to 7,608 feet.

Roberts and Murphy are coring in the Jones sand below 7,603 feet on their Leona No. 2 test in the northwest corner of lot 6 in the southwest quarter of Section 7-18-17 with top of the sand at 7,585 feet.

Jones, Murphy and Hurley set casing today at 7,646 feet on their Gallagher No. 1 test in the northeast corner of lot 4 in the northwest quarter of Section 19-18-17, after coring Jones sand from 7,583 to 7,621 feet.

## New Shuler Well Testing; Casing Set on Another.

Special to the Gazette. 9-15-38

El Dorado, Sept. 14.—Final testing of the Gallagher No. 1 well of Jones, Murphy & Hurley in section 19-18-17 is under way and its completion as the 76th Jones sand producer of the Shuler field is expected tomorrow.

Unusual interest has been shown in the well because it is "across a forty" from the C. H. Murphy No. 1 test of the same operators, abandoned at 7,789 feet as a dry hole several weeks ago. The C. H. Murphy No. 1 test was in the northwest corner of lot 6, in the northwest quarter of the section, and the Gallagher No. 1 test is in the northeast corner of lot 4, in the northwest quarter of the same section.

The Gallagher test encountered 38 feet of heavily saturated oil sand in cores from 7,583 to 7,621 feet, with casing set at 7,646 feet. Pipe was perforated today from 7,590 to 7,610 feet.

Roberts & Murphy set casing today at 7,780 feet in their Leona No. 2 test in the northwest corner of lot 6, in the southwest quarter of section 7-18-17, after coring Jones sand from 7,585 to 7,643 feet.

The Lion Oil Refining Company is expected to start coring tomorrow on its Clarence No. 2 test, in section 18-18-17, which was drilling below 7,572 feet today.

A good showing in a drill stem test on the Raulston No. 2, in the northwest quarter of the northeast quarter of section 12-17-14 of the Rainbow field, was reported by the driller, J. R. Lockhart.

Mr. Lockhart said that during a test at about 3,000 feet, the well flowed oil of high gravity in 14 minutes and that gas of high pressure came through in a half-minute. Mr. Lockhart said he believed gas pressure on the well would be higher than that of the Raulston No. 1.

The operator expressed belief that the No. 2 "will really be a well," and indications are it will be one of the best in the entire field. More than 20 feet of saturated sand has been found.

With casing set today, the well probably will be completed either Saturday or Sunday.

## Gallagher 1 Brought In In 'Dry' Area

9-16-38

Special to the Gazette.

El Dorado, Sept. 15.—Jones, Murphy & Hurley today completed its Gallagher No. 1 test as a producer in Section 19-18-17, previously considered dry territory, due to failure of the C. H. Murphy No. 1 of the same operators in the same section.

The test flowed 85 barrels an hour through a one-inch tubing choke until it cleaned itself of wash water. Casing pressure was 200 pounds, with no tubing

pressure. The completion was the 76th producer in the Jones sand.

The well is in the northeast corner of Lot 4, in the northwest quarter of Section 19-18-17, a little more than a quarter-mile northwest of the C. H. Murphy No. 1, abandoned at 7,789 feet.

Lion Coring Two Tests.

The Lion Oil Refining Company today was coring in the Jones sand below 7,635 feet in its Clarence No. 2 test in the northwest corner of lot 1 in the southwest quarter of Section 18-18-17, with top of the sand at 7,617 feet. The same company cored for top of the sand at 7,557 feet in its Dee No. 2 test in the southwest corner of the southeast quarter of the northwest quarter of Section 17-18-17.

The Lion Company is moving in rig for its shallow sand test in Section 9-16-15, Smackover field. The well is the Hardy Murphy No. 1 in the center of the northeast quarter of the northwest quarter of the section.

## Extension Of Jones Sand Area Expected

9-20-38

Special to the Gazette.

El Dorado, Sept. 19.—Extension of the producing area of the Jones sand, of the Shuler field a quarter of a mile to the southeast was indicated today when operators on the Dumas No. 2 of the Atlantic Refining Company, in section 21-18-17, obtained a good oil showing in cores from 7,608 to 7,644 feet.

The Dumas No. 2 test is located in the southeast corner of the northeast quarter of the northwest quarter of the section, being about a quarter of a mile southeast of present production in the area.

Top of the sand was encountered at 6,708 feet with the last core today taken from 7,625 to 7,644 feet.

Leona No. 2 Testing.

Roberts & Murphy started final testing operations today on their Leona No. 2 test, in the northwest corner of Lot 6, in the southwest quarter of section 7-18-17, with perforation of casing. Jones sand was cored in the test from 7,585 to 7,643 feet and casing was set at 7,780 feet.

The Lion Oil Refining Company is waiting on casing for final testing of two wells, and is coring in the Jones sand on two others. The Clarence No. 2, in the northwest corner of lot 1, in the southwest quarter of section 18-18-17, is waiting on casing at 7,700 feet after coring sand from 7,617 to 7,670 feet. The Dee No. 2, in the southwest corner of the southeast quarter of the northwest quarter of section 17-18-17, is waiting on casing at 7,629 feet after coring sand from 7,560 to 7,621 feet.

The Morgan A-6 of the Lion Company is coring in Jones sand below 7,581 feet with top of the sand at 7,504 feet. The test is located in the southeast corner of Lot 1, in the southwest quarter of section 18-18-17.

## Another Good Well Completed In North Shuler Field.

Special to the Gazette. 9-21-38

El Dorado, Sept. 20.—Another good well was added to the north side of Shuler field today when Roberts & Murphy completed test the well flowed on a production test the well flowed at the rate of 48 barrels an hour on a three-quarter inch choke. There was no water.

The Leona well is located in the northwest corner of Lot 6, 7-18-17. The Jones sand was cored from 7,585 to 7,643 feet and pipe was perforated at 7,610-36 with 110 shots.

The Lion Oil Refining Company set casing at 7,674 feet on the Morgan A-6, in the southeast corner of Lot 1, 18-18-17. The Lion is waiting for casing to set on two other wells, the Clarence No. 2, Lot 1, 18-18-17, at 7,700 feet, and the Dee No. 2, in 17-18-17, 700 feet. The Lion made locations at 7,640 feet. The Lion made locations at 7,640 feet. The Morgan A-7, for three new wells, the Morgan A-7, Nelson No. 3 and Marcus No. 5, all in section 18-18-17. The Marcus will be drilled to the lime, the other two to the Jones sand.

The Atlantic Refining Company is waiting on casing on its Dumas No. 2, in section 21-18-17, where pipe was set at 7,642 after a good showing.

## New Well in Rainbow Field Attracts Attention.

Special to the Gazette. 9-22-38

El Dorado, Sept. 21.—The Rainbow field east of El Dorado took the limelight of oil interest in south Kansas this morning with completion of the Raulston No. 2 test of J. A. R. Lockhart and associates, in section 12-17-14, for a big producer in the Crain sand. The well is flowing 34 barrels an hour on a 20-64 inch tubing choke with strong showing of gas. The oil is 32 gravity.

Operators cored more than 20 feet of heavily saturated oil sand before casing was set. The test was bottomed at 2,970 feet. In a drill stem test last week the well gave indications of a big producer. Tubing was run in the hole yesterday.

The well was pinched back to the small choke because of the heavy gas pressure. It was estimated by some oil men who witnessed the completion that the well would be good for 2,000 to 3,000 barrels daily if opened up.

The new producer is located in the northeast corner of the northwest quarter of the southeast quarter of section 12-17-14.

The same operators earlier had completed the Raulston No. 1, in the northwest corner of the northwest quarter of the southeast quarter of the same section, for a big gas and distillate producer. The distillate production from the No. 1 test is of 64.3 gravity with high gasoline content. Gas from the well was used in drilling the No. 2 test.

Completion of the Raulston No. 2 test for a big producer is expected to result in additional drilling operations in the vicinity soon.

## Lion Completes Two New Wells In Jones Sand.

Special to the Gazette. 9-24-38

El Dorado, Sept. 23.—The Lion Oil Refining Company completed two wells in the Jones sand of the Shuler field today, making 70 wells now producing from that level.

The newest completions are the Clarence No. 2, in Section 18-18-17, and the Dee No. 2, in Section 17-18-17. Each well is producing about 70 to 80 barrels an hour on a half-inch tubing choke, but will be pinched back to the 250 barrels daily allowable authorized by the state Conservation Department.

The Clarence No. 2, completed this morning, cored Jones sand from 7,617 to 7,670 feet with pipe set at 7,700 feet. Casing was perforated from 7,620 to 7,643 feet with 78 shots. The well is located in northwest corner of Lot 1, in the southwest quarter of Section 18-18-17.

The second completion, the Dee No. 2, was completed this afternoon. It is located in the southwest corner of the southeast quarter of the northwest quarter of Section 17-18-17. Sand was cored from 7,560 to 7,600 feet, and casing set at 7,640 feet.

The Lion is waiting on casing at 7,674 feet in the Morgan A-6 test, in Section 18-18-17, after coring Jones sand from 7,504 to 7,574 feet.

The Atlantic Refining Company is waiting on casing at 7,642 feet in its southeast extension test in Section 21-18-17 after coring Jones sand from 7,608 to 7,644 feet.

The Phillips Petroleum Company is coring in the Jones sand on two tests. The Gann No. 2 in Section 18-18-17 is coring in the sand below 7,576 with top of the sand at 7,547 feet. The Sewell No. 4 test, in Section 7-18-17, is coring in the sand below 7,538 feet with top of the sand at 7,525 feet.

## Jones Sand Extended In Shuler Field

9-27-38

Special to the Gazette.

El Dorado, Sept. 26.—Preparations were being made today for final testing of a well in the Shuler field while crews on another test were preparing to set casing for final testing and coring operations are under way on a third.

The Dumas No. 2 test of the Atlantic Refining Company in Section 21-18-17 was completed Sunday night for a producer of 35 barrels an hour. The test is a quarter of a mile southeast of previous production and extends Jones sand production a quarter of a mile.

The Dumas test located in the southeast corner of the northeast quarter of the northwest quarter of Section 21-18-17 encountered the sand from 7,608 to 7,644 feet and casing was set at 7,642 feet. Sand was perforated from 7,609 to 7,615 with 50 shots; from 7,619 to 7,625 with 17 shots and from 7,638 feet with 25 shots. Completion on the well made a total of 80 producers for the Jones sand.

Other Activities.

The Lion Oil Refining Company is preparing to perforate casing for final testing of the Morgan A-6 test in the southeast corner of lot 1 in the southwest quarter of Section 18-18-17 in which sand was cored from 7,504 to 7,574 feet and pipe was set at 7,674 feet.

The Phillips Petroleum Company is preparing to set casing at 7,700 feet in the Gann No. 2 test in the northeast corner of the southeast quarter of the northeast quarter of Section 18-18-17 after coring sand from 7,547 feet to below 7,600 feet. The same company is coring in Jones sand below 7,600 feet in the Sewell No. 4 test in the southeast corner of lot 4 in the southwest quarter of Section 7-18-17 with top of the sand at 7,611 feet in the Sewell No. 2, and at 7,579 in the Sewell No. 3, both in Section 7-18-17.

Well Resumes Flowing.

In the Rainbow field, the Raulston No. 2 of J. R. Lockhart and associates

In Section 12-17-14 is flowing at the rate of 28 barrels an hour after difficulties were encountered due to tubing not being in the hole to the producing sand. The well had started flowing last week with only a few hundred feet of tubing in the hole and the well mudded up. The job of running tubing was completed Sunday.

## Morgan A-6 Becomes 81st Jones Well

9-28-38

Special to the Gazette.

El Dorado, Sept. 27.—A new Jones sand well was completed in the Shuler field today. It is the Morgan A-6 of the Lion Oil Refining Company in the southeast corner of lot 1 in the southwest quarter of section 18-18-17, reported producing 90 barrels an hour on a half-inch tubing choke. Casing was perforated from 7,550 to 7,570 feet with 120 shots. Sand was cored from 7,504 to 7,574 feet and casing set at 7,600 feet. It is the 81st producer in the Jones sand.

Casing Set on Gann No. 2.

The Phillips set casing today at 7,700 feet on its Gann No. 2 test 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.

The Phillips company is coring in the Jones sand on three other tests. The Sewell No. 4 in section 7-18-17 is below 7,610 feet, with top of the sand encountered at 7,527 feet. The Sewell No. 3 test in section 7-18-17 is below 7,627 feet, with top of the formation at 7,611 feet. The Sewell No. 2 in the same section is below 7,596 feet, with top of the formation at 7,577 feet.

Murphy B-1 Cores Jones Sand. Jones, Murphy and Hurley are coring in the Jones sand in their Murphy Land Company B-1, a western outpost test in section 13-18-18. The test encountered top of the Jones sand at 7,510 feet and is coring ahead below 7,604 feet after coring the sand from 7,510 to 7,527 feet and drilling to 7,590 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 Lion company started coring in the Jones sand in its Marine No. 4 in section 17-18-17. Top of the sand was encountered at 7,536 feet and operators are coring in the formation below 7,580 feet.

The Phillips company made location for the Sewell No. 5 Reynolds lime test in the center of lot 5 in the southwest quarter of section 7-18-17.

## Phillips Brings In Shuler Well 10-10-38

Democrat

El Dorado.—The eighty-sixth producer from the Jones sand in the Shuler field was completed today by the Phillips Petroleum Company in the Sewell No. 2, southeast corner, lot No. 3, of the southwest quarter, section 7-18-17.

Washed in with oil this morning, the well was turned into the tanks shortly after its completion. The well was reported flowing at the rate of about 40 barrels an hour.

Several other wells in the field are engaged in coring operations, with main interest continuing to center in the Sewell No. 1 of the Crescent Drilling Company in section 12-18-18. The Crescent well is a northwest outpost test.



## Phillips and Lion Bring In New Jones Sand Wells.

Special to the Gazette. **10-13-38**  
El Dorado, Oct. 12.—New producers in the Jones sand of the Shuler area were completed last night by the Phillips Petroleum Company and the Lion Oil Refining Company. The completions make 88 producers in the sand.

The Sewell No. 3 of the Phillips Company, in Section 7-18-17, was completed as a producer of 171 barrels in six hours. No figures for tubing and casing pressures or the size of choke could be obtained.

The Marine No. 5 of the Lion company, in Section 17-18-17, was completed as a producer estimated by Lion officials at 70 to 80 barrels an hour through a half inch choke with 350 pounds tubing and 1,200 pounds casing pressure.

In the Powledge No. 1 test, in Section 7-18-17, the Lion is running Schlumberger test after coring Jones sand from 7,597 to 7,658 feet, and in the Henry No. 1 test, in Section 12-18-18, the same company is reaming to 7,618 feet after coring Jones sand from 7,522 to 7,590 feet.

The Phillips company is preparing to set casing in its Brian No. 1 test, in Section 13-18-18, after coring Jones sand from 7,511 to 7,603 feet. Total depth is 7,700 feet. The same company is coring in the Jones sand below 7,610 feet in the El Dorado No. 1 test, in Section 12-18-18, with top of the sand at 7,594 feet.

The Marine company is coring in the Jones sand below 7,574 feet in the Calloway No. 2 test, in Section 13-18-18, with top of the sand at 7,518 feet.

## Shuler Field Quota Reduced 33 Per Cent

**10-16-38**

Special to the Gazette.

El Dorado, Oct. 14.—A one-third reduction in the production allowable of crude oil from wells producing from the Jones sand and the Reynolds lime in the Shuler field was ordered today by the Arkansas Board of Conservation in executive session following the state-wide hearing this morning at the courthouse. Both are effective at 7 a. m. Sunday.

The new Jones sand allowable is a maximum of 15,000 barrels daily for the field for all wells completed by November 1. On November 1 a new allowable will be set for the next 15-day period to include other wells completed by November 15.

The allowable was lowered from nearly 22,000 barrels of oil per day. Because of the reduction, no more Jones sand oil will be shipped to Texas, as has been done when the demand here was insufficient, a board official said.

The new Reynolds lime allowable will be 200 barrels per well daily, while the current allowable is 300 barrels for the five lime wells.

### Pressure Test Plans Changed.

The board, which previously had announced that the south Miller county field would be shut down for seven days beginning October 20 for the taking of bottom hole pressures, announced today that the field would be shut down only by areas. No well will be shut down for as long as previously contemplated, but the new program is expected to continue for about 15 days.

Allowables set for wells in south Miller county were 200 barrels daily for wells producing on 20-acre tracts, 150 barrels daily for wells producing from 10-acre tracts and 100 barrels for wells producing from five-acre or smaller tracts.

No orders were issued concerning the Buckner and Magnolia-Village fields.

### Operators Agree on Maximum.

Fifty operators, lawyers, engineers and oil parties attended the hearing. The recommendation for the 15,000-barrel maximum was made by Jone E. Howell, representative of the Lion Oil Refining Company, who said the maximum had been agreed on by operators due to the 4.1-pound decrease in pressure of Jones wells between September 16 and October 10.

Mr. Howell suggested that the present system of taking pressures be continued by the board, but recommended that a longer period of shutting in the wells during taking of pressures be used in order that static, rather than operating, pressures might be obtained.

He explained that some operators at Shuler are perforating in less permeable sand than others and said that oil can be recovered under present pressures from that level of the sand which could not be recovered after the pressures had declined. He recommended that engineers of the board make productivity indices of wells perforated in the less permeable sand.

R. K. Batten of Shreveport, lawyer representing the Phillips Petroleum Company, introduced the factual data

prepared by engineers of the board and said that his company agreed to the suggested allowable slash. He explained that a five-pound daily drop had been noted in pressure of wells producing from the Reynolds lime at Shuler. He recommended a similar lowering of the allowable for the lime.

Mr. Howell concurred with Mr. Batten's recommendation, suggesting that the allowable be lowered from the present 300 barrels allowed per well daily to 200 barrels daily. There was no dissent.

### Gas Recycling Planned.

Shortly before the meeting was adjourned by Board Chairman O. C. Bailey, Mr. Howell explained that a plan of gas recycling for Shuler is being considered here. He said that the plan probably would be worked out within 90 days.

Other members of the board present were Robert J. Short, El Dorado; J. D. Reynolds, Camden, and Walter J. Helms, Texarkana.

## Two Wells In, Shuler Field Extended

**10-21-38**

Special to the Gazette.

El Dorado, Oct. 20.—The Lion Oil Refining Company completed two new producers in the Jones sand of the Shuler field today. The Henry No. 1 in Section 12-18-18 extends production a quarter mile to the west. The completions make 91 producers in the sand. The new well is estimated to be a producer of 80 barrels an hour through a half-inch tubing choke.

The well encountered 68 feet of saturated sand in cores from 7,522 to 7,590 feet, with casing set at 7,671 feet. Casing was perforated from 7,580 to 7,610 feet with 117 shots.

The other Lion completion was the Powledge No. 1 in the southwest corner of section 7-18-17, producing about 70 barrels an hour. The well encountered heavily saturated oil sand in cores from 7,596 to 7,657 feet and casing was set at 7,690 feet. Casing was perforated from 7,633 to 7,653 feet with 120 shots.

The Phillips Petroleum Company has completed its Brian No. 1 test in the center of the north half of the northeast quarter of the southeast quarter of section 13-18-18 for the second producer in that section. The well flowed 562 barrels in 19 hours.

### Calloway No. 2 Due Today.

Calloway No. 2 of the Marine Oil Company, in the northwest corner of the east half of the southwest quarter of the southeast quarter of section 13-18-18, on which casing is being perforated is expected in tomorrow. Pipe was set at 7,725 feet after sand was cored from 7,518 to 7,586 feet.

### Three Others Await Casing.

El Dorado No. 1 of the Phillips Company, in the center of the south half of the northwest quarter of the southeast quarter of section 12-18-18, is waiting on casing at 7,732 feet after coring sand from 7,594 to 7,661 feet and the S. H. Goodwin No. 2 of the same company in the center of the north half of Lot 1, in the northwest quarter of section 19-18-17, is waiting on casing at 7,698 feet after coring sand from 7,564 to 7,614 feet. The Millings No. 1 of the Phillips, in the southeast corner of Lot 4, in the southwest quarter of section 18-18-17, is coring in the sand below 7,617 feet with top of the said at 7,567 feet.

The Lion is waiting on casing at 7,730 feet in the Mayfield No. 6 in the northwest corner of Lot 3, in the northwest quarter of section 18-18-17, after coring sand from 7,550 to 7,645 feet, and is preparing to set casing in the Sewell No. 2 in the northeast corner of the northeast quarter of the northeast quarter of section 13-18-18 after coring the sand from 7,512 to 7,610 feet.

## Phillips Oil Company Reports Good Producer

El Dorado—One new producer had been completed and two other well crews were engaged in testing operations today in the Shuler field.

The new well is the El Dorado No. 1 of the Phillips Petroleum Company, south half of the northwest quarter, southeast quarter, section 12-18-18.

Flowing through a small choke the well showed 87 barrels during the first two hours of production. Casing was perforated at from 7,620 feet to 7,646 feet.

The Phillips is perforating casing prior to final testing of the Goodwin No. 2, section 19-18-17, and the crew of the Lion Oil Refining Company is swabbing after perforation of casing in the Mayfield No. 6, section 18-18-17.

Special to the Gazette. **10-25-38**

El Dorado, Oct. 24.—Two completions in the Shuler field today, one of which extends production three-eighths of a mile to the northwest, made a total of 94 producers in the Jones sand.

The northwest extension was the El Dorado No. 1 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. The well flowed 87 barrels in the first two hours of production after being washed in. The test cored Jones sand from 7,594 to 7,661 feet and casing was set at 7,732 feet.

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. Casing had been set at 7,730 feet after sand was cored from 7,550 to 7,645 feet.

The Phillips company is perforating casing on the S. H. Goodwin No. 2, in the center of the north half of lot 1, in the northwest quarter of Section 19-18-17, and is expected to complete the test tomorrow. The well encountered Jones sand from 7,564 to 7,615 feet. Casing was set at 7,689 feet.

Casing has been set in two other wells at Shuler. One is the Sewell No. 2 of the Lion Oil Refining Company, in Section 13-18-18, which was cored into the oolitic lime below 7,661 feet. The other is the Millings No. 1 of the Phillips Petroleum Company, in Section 18-18-17. This well also was taken to the oolitic lime to a depth of 7,730 feet.

The Phillips is coring below 7,640 feet in the Edwards No. 1, in Section 17-18-17, after coring porous saturated sand.

Another big producer was completed in the Rainbow field east of El Dorado today when J. R. Lockhart brought in the W. N. Raulston No. 3, with an estimated flow of 750 barrels or more daily. The well is believed as good as the No. 2, which came in at 500 barrels and later increased to more than 1,100. The well is in Section 12-17-14, and depth is about 2,950 feet. There is no salt

## Goodwin No. 2 Becomes 95th Jones Well

**10-26-38**

Special to the Gazette.

El Dorado, Oct. 25.—The 95th producer in the Jones sand of the Shuler field was completed by the Phillips Petroleum Company today on its S. H. Goodwin No. 2. Two other tests are waiting on casing for final testing, and two more are coring in the Jones sand. The new producer in the center of the north half of Lot 1, in the northwest quarter of Section 19-18-17, flowed 111 barrels in the first four hours, with tubing pressure of 110 pounds and casing pressure of 250 pounds. Jones sand was cored from 7,550 to 7,645 feet, with casing set at 7,698 feet and pipe perforated from 7,585 to 7,607 feet with 97 shots.

### Millings No. 1 Awaits Casing.

The Phillips Company is waiting on casing at 7,702 feet in the Millings No. 1 test in the southeast corner of Lot 4, in the southwest quarter of Section 18-18-17, after coring Jones sand from 7,567 to 7,632 feet, and is coring in the Jones sand below 7,665 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. Top of the sand was encountered at 7,629 feet.

The Lion Oil Refining Company is waiting on casing at 7,678 feet in the Sewell No. 2 test, in the northeast corner of the northeast quarter of the northeast quarter of Section 13-18-18, in which Jones sand was cored from 7,512 to 7,610 feet.

Jones, Murphy & Hurley is coring in the Jones sand on its Murphy Land Company B-2 test in Section 13-18-18. Top of the sand was cored at 7,505 feet and operators now are coring below 7,520 feet. The test is in the center of the south half of the northeast quarter of the northeast quarter of the northeast quarter of the section.

### New Rainbow Field Well.

Completed yesterday as another Crane sand producer for the Rainbow field was the J. R. Lockhart's Raulston No. 3, in Section 12-17-14, which tapped the sand between 2,900 and 2,950 feet and flowed 47 barrels during its first hour of production. Observers predicted the well would be as good as the Raulston No. 2 in the same section. Production from the No. 2 has been pinched back to 500 barrels daily.

## Drilling Activity Increases In Rainbow Field.

**10-28-38**

Special to the Gazette.

El Dorado, Oct. 27.—J. R. Lockhart spudded in his fourth well in the Rainbow field today and announced location for a fifth. Drilling was started on Lockhart's W. N. Raulston No. 4, in 12-17-14. Derrick timbers were moved in for the No. 5.

Ohio Oil Company is drilling below

5,000 feet on the Furlow No. 5, in 12-17-14. J. E. Crosbie, Inc., is pulling liner to perforate back to the new sand in the Sullivant No. 5, in Section 12. Zack Brooks has given the contract for a well on the Nash land, in Section 7-17-13, east edge of Rainbow; Sam Richardson will drill on the Green Morris land in the same section.

The Raulston Nos. 2 and 3 of J. R. Lockhart, recently completed, are flowing 20 barrels hourly each, but buyers are reported to have prorated purchases to 300 barrels each daily, and the wells will be pinched down to that figure.

In the Shuler area, Jones, Murphy & Hurley are coring in the big lime below 7,690 feet on the Murphy Land Company B-2, in 13-18-18. Phillips Petroleum has casing set on two wells for completion and Phillips crews have cored the Jones sand in two others.

## Phillips Completes 97th Well In Shuler Field.

El Dorado, Ark., Oct. 31 (AP).—Phillips Petroleum Company added the 97th Jones sand producer to the Shuler field today with completion of its Millings No. 1, in Section 18-18-17. The well produced 118 barrels in two hours.

## 98th Producer in Jones Sand Of Shuler Area.

El Dorado, Ark., Oct. 31 (AP).—The Phillips Petroleum Company added the 98th Jones sand producer to the Shuler field today with completion of its Millings No. 1, in Section 18-18-17. The well produced 118 barrels in two hours.

The test, in the south half of the northeast quarter of the northeast quarter section of 13-18-18, cored Jones sand from 7,507 to 7,565 feet with casing set at 7,675 feet and pipe perforated from 7,538 to 7,565 feet with 99 shots.

Three other wells in the area are in the final stages with two expected to be completed tomorrow. Casing was perforated today from 7,595 to 7,630 feet in the Nelson No. 1 test of the Phillips Petroleum Company, in the center of the north half of Lot 3, in the northwest quarter of section 19-18-17, in which sand was cored from 7,582 to 7,631 feet with casing set at 7,707 feet.

The Phillips company is waiting on casing at 7,712 feet on the C. H. Murphy No. 1 test, in the center of the north half of Lot 2, in the northwest quarter of section 19-18-17.

The same company is continuing swabbing operations on 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, in which sand was cored from 7,628 to 7,635 feet with pipe set at 7,740 feet and perforated from 7,628 to 7,635 with 105 shots.

The Lion Oil Refining Company has drilled to 7,725 feet in its Marcus No. 5 test, in the center of Lot 5, in the northwest quarter section of 18-18-17, after coring Reynolds lime from 7,609 to below 7,675 feet.

## Phillips Completes 100th Well In Jones Sand.

**11-8-38**

Special to the Gazette.

El Dorado, Nov. 7.—The Phillips Petroleum Company C. H. Murphy No. 1 in Section 19-18-17, Shuler field, was brought in today for the 100 producer in the Jones stratum. During the first six hours after completion, the well made 281 barrels.

The Phillips field office reported tonight that testing was under way on its Edwards No. 1, in the center of the south half of the southwest quarter of the northeast quarter of Section 17-18-17. The well is being swabbed. Perforations were made from 7,626 to 7,637 feet.

The Delta Drilling Company is reaming down in the Powledge No. 1, in the southwest corner of the northwest quarter of the northwest quarter of Section 21-18-17, after running a Schlumberger following taking of a core from 7,637 to 7,656 feet.

The Lion Oil Refining Company is coring ahead below 7,614 feet in the Morgan A-7, in the southwest corner of Lot 7, in the southwest quarter of Section 18-18-17.

## Another Shallow Sand Producer Looms in Rainbow Field.

**11-9-38**

Special to the Gazette.

El Dorado, Nov. 8.—Indications were strong tonight for a fourth successful producer in shallow sand of the Rainbow field east of El Dorado.

Operators at Bradham's W. N. Raulston No. 1, in Section 12-17-14, were making drill stem tests and planned to set surface casing tomorrow for a well expected to make from 500 to 1,000 barrels a day. The well will be shot at about 2,990 feet, a depth from which three other producers have been brought in during the past two weeks.

Possibilities for general development of the area were said here tonight to be favorable and drilling is going ahead on several other wells. Lockhart's Raulston No. 4, in Section 12-17-14, was below 2,200 feet tonight.

## Reworked Sullivant Test Good For 150 Barrels Daily.

Special to the Gazette. **11-11-38**

El Dorado, Nov. 10.—Abandoned once as a dry hole, the reworked J. E. Crosbie Sullivant No. 5, in Section 12-17-14, Rainbow Field, east of here, was brought in as a producer today. The well made a head of oil which went over the derrick top. It is expected to be good for about 150 barrels a day. The test originally was completed at a different level.

## Shuler Field Extended By New Well

**11-20-38**

Special to the Gazette.

El Dorado, Nov. 19.—Three wells, tapping the Jones stratum of the Shuler field, were brought in this week.

Two of the wells were in proven territory, but the third, the Delta Drilling Company's Powledge No. 1 in the southwest corner of the northwest of the northwest of section 21-18-17, extended production southward in the Shuler area.

The Powledge No. 1 was brought in Thursday and was estimated good for 25 to 30 barrels an hour. No gauge was taken of the well's initial flow. The test was swabbed in after perforations had been made from 7,609 feet to 7,622 feet and from 7,626 to 7,631 feet.

Completion of the Powledge No. 1 to the south would increase drilling in that area.

The second completion Thursday was the Lion Oil Refining Company's Morgan A-7 in the southeast quarter, Lot 7, southwest in section 18-18-17. The Morgan A-7 had an estimated initial flow of 30 to 40 barrels of crude oil an hour. The well is bottomed at 7,710 feet.

The first Shuler completion was the Phillips Petroleum Company's Sewell No. 5 in section 7-18-17. The producer flowed 213 barrels during a 13-hour test flow and was estimated to be producing 30 to 40 barrels an hour through small chokes. The sand was perforated between 7,667 and 7,662 feet.

### Six Shuler Wells Due in Soon.

Observers predicted that within 10 days at least six wells in the Shuler field should be ready for final testing, barring accidents or breakdowns.

The Lion's Dee No. 3, northwest corner, southwest, northwest, section 17-18-17, is drilling below 7,327 feet and going strong.

The Fee No. 1 of C. H. Murphy et al in the southeast corner, southwest, northeast in section 13-18-18, is drilling below 7,287 feet.

The Lion's Bank No. 1 in the center of the north half southwest, southeast in section 12-18-18 is drilling below 6,900 feet; The Lion's Marine No. 5 in the northwest corner of the southwest of the northwest in section 20-18-19 is drilling below 6,825 feet; the Lion's Nelson No. 4 in southwest corner Lot 5 in section 18-18-17 is drilling below 6,250 feet; and the Lion's Cecil No. 1 in the southeast corner of Lot 6, northwest in section 7-18-17 is drilling below 6,030 feet.

Casing has been set in the Lion's Nelson No. 3 on section 18-18-17. The Lion's Marcus No. 5 in section 18-18-17 is washing over the drill pipe at 7,565 feet.

Phillips and Lion are preparing to drill in several new Shuler locations. The Lion's Marcus No. 6 in section 18-18-17 is waiting on rig and the Lion's Sewell No. 3 in the same section is building derrick. The Phillips J. E. Shatford No. 1 on section 13-18-18 is moving in rig, as are the Phillips Brian No. 2 in the same section and the Phillips Miller No. 2 in section 18-18-17. The Phillips El Dorado No. 2 in section 12-18-18 is building derrick and the Phillips Brian No. 3 in section 13-18-18 is digging cellar.

Play in the Rainbow City field continued to be sharp during the week. Operators are coring on the Lockhart Raulston No. 4 in section 12-17-14. In the same section J. E. Crosbie's Sullivant No. 6 is nearing completion. Operators are preparing to perforate.

Five-inch casing is being set within the seven-inch casing on the Bradham Raulston No. 1, also in section 12-17-14. Setting of the five-inch casing was necessitated because of a broken casing seat. The same operator has set up derrick for the Raulston No. 2 in the same section.

Operators are drilling below 1,000 feet on the Ohio Oil Company's Furlow No. 6 in another section 12 test. Richardson and Murphy are drilling below 1,400 feet on a test in section 7-17-13.

### 14 Drill Permits Issued.

The El Dorado office of the Arkansas Board of Conservation issued 14 permits for new tests this week, 11 for

wells in the Shuler area, two for tests in Columbia county and one in Franklin county.

New tests follow: Lion Oil Refining Company, Sewell No. 3, northeast corner of Lot No. 4 of the northwest quarter of section 18-18-17; Harcy, Murphy No. 9 in the northwest corner of the northeast quarter of the northwest quarter of section 9-16-15.

Phillips Petroleum Company, El Dorado No. 2 in northwest corner of the northwest quarter of the southeast quarter of section 12-18-18; Amanda No. 1, center of south half of the northeast quarter of the southeast quarter of section 12-18-18; Amanda No. 2, northeast corner of the northeast quarter of the southeast quarter of section 12-18-18; H. P. Sewell No. 7 in the northeast corner of Lot No. 4 of the southwest quarter of section 7-18-17; H. P. Sewell No. 8, southeast corner of Lot No. 4 of the southwest quarter of section 7-18-17; H. P. Sewell No. 9, southeast corner of Lot No. 4 of the northwest quarter of section 7-18-17.

Sam Richardson and C. H. Murphy Jr., Betty Francis and Green Morris No. 1 in the northwest corner of the northwest quarter of the southeast quarter of section 7-17-13.

J. R. Lockhart, W. N. Raulston No. 4 in the southwest corner of the north-

west quarter of the southeast quarter of section 12-17-14.

Hollyfield and McFarlane Scott Murphy No. 6 in the northwest corner of the east half of the southeast of the northwest of section 9-16-15.

Normandie Oil Corporation, Levi Garret No. 1 in the northeast corner of the northeast quarter of the northeast quarter of section 23-17-20, Columbia county.

Southwood Oil Company, Inc., Levi Garrett No. 1 in the center of the southwest quarter of the southwest quarter of section 13-17-20, Columbia county.

Ozark Natural Gas Company, J. Turner No. 1 in the center of the southeast quarter of the northeast quarter of section 32-10-26, Franklin county.

Transfer of permits were as follows: To the Phillips Petroleum Company, for the B. Brian No. 3 in the center of the north half of the northwest quarter of the southeast quarter of section 12-18-18, originally issued for the Marine No. 6; and the H. P. Sewell No. 6 in the northeast corner of Lot 3 of the southwest quarter of section 7-18-17, originally issued for the Alice Nelson No. 2.

Permits to plug back and perforate were issued, as follows: The Scott Murphy No. 7 in section 9-16-15; Standard Oil Company J. Griffin No. 6 in section 33-15-15, and the J. Griffin No. 5 in the same section in Ouachita county.

A permit to plug and abandon the test was issued to the Standard on the Marvin Umsted D-2 in section 4-16-15, Dallas county.

## Deep and Shallow Fields Divide Oil Fraternity's Interest.

Special to the Gazette. **11-15-38**

El Dorado, Nov. 14.—Interest of the oil fraternity was divided between two areas—one deep and the other shallow—today. The Phillips Petroleum Co. reported completion of its Sewell No. 5, in Section 7-18-17, in the Jones stratum, and the Delta Drilling Company reported final tests on its Powledge No. 1, in Section 21-18-17, both in the Shuler field.

The Sewell well made 213 barrels in a 13-hour period on small chokes. The well was perforated from 7,667 to 7,672 feet.

The Lion Oil Refining Company is preparing to run seven-inch casing in its Nelson No. 3, in Section 18-18-17, after coring below 7,634 feet. The Lion has made location for its Sewell No. 3, in Section 18-18-17. The derrick is being erected.

In the shallow Rainbow City field, east of El Dorado, operators of E. G. Bradham's Raulston No. 1, in Section 12-17-14, are drilling the plug preparatory to shooting in the well.

Sam Richardson has spudded in his Green Morris No. 1, in Section 7-17-13, of the Rainbow area, and the Ohio Oil Company has made location for its Furlow No. 6, in Section 12-17-14.

## Lion and Delta Get New Wells In Shuler Field.

**11-18-38**



opened soon.  
The Ohio's Furlow No. 6, in section 12-17-14, is reported below 1,000 feet.  
Lockhart's Raulston No. 4 is coring below 3,200 feet after missing a shallower sand. Operators said a deeper sand had been found.  
Richardson & Murphy are drilling below 1,400 feet tonight in section 7-17-13, Rainbow area.  
Crosbie's Sullivant No. 6, in section 12-17-14, was near the perforation stage.

### Lion Opens Office in Kentucky; May Drill There.

**Special to the Gazette.**  
**1-4-39**  
El Dorado, Jan. 3.—Opening of an office in Owensboro, Ky., was announced today by officials of the Lion Oil Refining Company. C. V. Lisman, official in the company's Land Department here for the past three years, will be in charge. He and Mrs. Lisman left for Kentucky today.  
Six other Lion employees will assume duties there soon. These include E. P. Childers of El Dorado, T. K. Barton of the Dallas office, and F. H. McGuigan of San Angelo, Tex., who will be in charge of the Geological Department.  
The Lion is reported to have acquired acreage for drilling in Kentucky.

## J. R. Lockhart Completes Big Oil Land Deal

**Special to the Gazette.**  
**1-8-39**  
El Dorado, Jan. 7.—J. R. Lockhart, El Dorado oil operator, today announced purchases of oil properties in the new producing sector of the Rainbow field from E. G. Bradham and associates, involving \$25,000 cash and substantial oil payments.  
The property consists of a 40-acre tract known as the Raulston B lease, in 12-17-14. It has two producing wells with pipe line outlet of 300 barrels daily.  
A third well has set surface casing and Lockhart plans a fourth.  
Associated with Bradham in the sale were G. and Oliver Anthony and M. E. White.  
With the closing of this deal Mr. Lockhart, who discovered the new producing sand in the Rainbow field several months ago, has six producing wells with a total daily output of 900 barrels. He also has assumed control of a 3,500-acre block assembled in Calhoun county by C. E. Murdock. A well drilled to 3,200 feet by Murdock will be deepened below 5,000 feet.

### Phillips Completes Brian No. 1 In Shuler Field.

**Special to the Gazette.**  
**1-12-39**  
El Dorado, Jan. 11.—The Phillips Petroleum Company announced completion today of its Brian No. 1 in Section 13-18-18, Shuler field. Flowing through a small choke, the well is producing on a par with other wells completed in that area recently.  
Casing has been set by the Phillips in the Sewell No. 6 in the northeast corner of lot No. 3 of the southwest quarter of Section 7-18-17 and in the Sewell No. 8 in lot 4 of the southwest corner of Section 7-18-17. The Phillips also is preparing to run casing in the Amanda No. 2 in northeast southeast Section 12-18-18.  
The Lion Oil Refining Company is running seven-inch casing in the Sewell No. 3, a lime test in the northeast corner of lot No. 4 of the northwest quarter of Section 18-18-17.

### Lion Completes Its Marcus 6 In Shuler Field.

**Special to the Gazette.**  
**1-14-39**  
El Dorado, Jan. 13.—The Lion Oil Refining Company's Marcus No. 6 flowed 32 barrels per hour today after being completed in the center of lot 3 in the southwest quarter of section 18-18-17, Shuler field. It was the second Shuler completion of the week. It was perforated from 7,614 to 7,668 feet.

Lion expects to complete tomorrow its Edna No. 3, in the southeast northeast quarter of section 18-18-17. Casing was perforated today.

Phillips Petroleum Company is ready to perforate its El Dorado No. 2 in the northwest corner of the northwest

### Hearing on Crude Oil Waste At El Dorado Friday.

**Special to the Gazette.**  
**1-14-39**  
El Dorado, Jan. 13.—A hearing to determine whether crude oil or natural gas are being wasted in Arkansas will be held at the courthouse here Friday, January 20, Alex M. Crowell, chief state conservation agent, announced. The board also will hear evidence to determine the daily amount of crude oil and natural gas that may be produced without waste in the following fields: Buckner, Magnolia, Village, South Miller, Jones sand and Reynolds lime of Shuler field, and the Atlanta field.

## Three Shuler Producers Brought In

**Special to the Gazette.**

El Dorado, Jan. 17.—Three more producers were added in the Shuler field today, the Sewell No. 6 and the Sewell No. 8 by the Phillips Company, and the Sewell No. 3 by the Lion Oil Refining Company.

The Sewell No. 6, in the northeast corner of lot 3 of the southwest quarter of Section 7-18-17, is flowing 20 barrels an hour through a small choke. Casing was perforated with 715 shots from 7,622 to 7,650 feet, Jones sand.

Phillips' Sewell No. 8, in lot 4 of the southwest quarter of Section 7-18-17, produced 199 barrels in nine hours on a small choke test run. It also is a Jones well.

The Lion's Sewell No. 3 is producing from the Reynolds lime in the northwest corner of lot 4 of the northwest quarter of Section 18-18-17. It flowed 27 barrels an hour on a small choke after being perforated with 27 shots from 7,674 to 7,689 feet.

C. H. Murphy and associates are preparing to run seven-inch casing for final testing of their Fee No. 2 in the northwest corner of the southwest quarter of the northeast quarter of Section 13-18-18.

Two other Shuler wells are awaiting seven-inch casing for testing soon.

### Veteran Union County Driller Plans Two New Wells.

**Special to the Gazette.**  
**1-18-39**  
El Dorado, Jan. 17.—Edwin M. Jones, one of the first operators to drill in the old Smackover and El Dorado fields, has obtained permits to drill two additional wells in Shuler field, permits issued by the Arkansas Board of Conservation show. Locations of proposed Jones tests follow:

Morgan No. 3, center of the south half of the southeast quarter of Section 13-18-18; Morgan No. 4, center of the north half of the northeast quarter of the northwest quarter of Section 13-18-18.

Webb & Franks have obtained a permit to drill the P. C. Grayson No. 1, in the southwest quarter of the northwest quarter of the southeast quarter of Section 17-18-17, Nevada county.

Three permits to plug and abandon have been issued for the following wells: Phillips Petroleum Company's John E. Shattford No. 1, Section 17-18-17, Union county; P. W. Martin & Co. T. C. Watts No. 1, Section 1-20-28, Miller county; Gulf Refining Company's Flannigan No. 1, 5-16-15, Ouachita county.

### Third Well in Week Completed In Shuler Field.

**Special to the Gazette.**  
**1-20-39**  
El Dorado, Jan. 19.—The third well of the week was completed in Shuler today.

Phillips Petroleum Company brought in the Amanda No. 2, in section 12-18-16, in the west edge of Shuler. It flowed 325 barrels in nine hours through a small choke.

In the Rainbow field S. S. Alexander of New York has set casing at approximately 3,000 feet on the Gaddy No. 1, in 13-17-14, and testing is slated for Saturday. The well showed considerable oil and gas in a drill stem test a week ago. It is a half-mile southwest of production.

Phillips Petroleum is preparing to bring in its Sewell No. 1, in lot 4, section 7-18-17, and Phillips crews are drilling and coring below 6,750 on the Amanda No. 1, in 12-18-18. C. H. Murphy et al have set production string on the Fee No. 2, in 13-18-18.

### Gaddy No. 1 Perforated For Swabbing Today.

**Special to the Gazette.**  
**1-23-39**  
El Dorado, Jan. 22.—Casing was perforated this afternoon on S. S. Alexander's Gaddy No. 1 in the northeast corner of the northwest quarter of the northwest quarter of Section 13-17-17, and tubing was run preparatory to swabbing in early tomorrow. Pipe was perforated at 3,038-44, where in a drill stem test a week ago the well indicated good production. Casing was set at 3-140 feet. The test is a half-mile southwest of production in the Rainbow area.

## Rainbow Field Extended A Half-Mile

**1-24-39**

**Special to the Gazette.**

El Dorado, Jan. 23.—A half-mile extension in the Rainbow field of Union county was recorded today when S. S. Alexander of New York brought in the Gaddy No. 1, in Section 13-17-14. Operators estimated the well to be flowing at the rate of 500 to 800 barrels a day. The gas pressure was said to be good.

The Gaddy is producing from the Lockhart sand, a new producing level discovered several months ago. The Rainbow field, brought in about 12 years ago, has been the scene of many spurts of activity. Several old wells have been plugged back to the new producing level and are performing satisfactorily. The field has registered several salt water wells.

The Gaddy is an extension of about a half-mile southwest of production. Other locations in that area are expected to be announced soon.

Shuler Test Due In.  
One well in the Shuler field is scheduled for completion tomorrow. It is the C. H. Murphy and associates

### J. C. Morgan 1 Completed With 43-Barrel an Hour Flow.

**Special to the Gazette.**  
**2-14-39**  
El Dorado, Feb. 13.—Jones, Murphy & Hurley interests announced today completion of the J. C. Morgan No. 1 well, in the Shuler field, for a producer of approximately 43 barrels an hour. The well flowed through a 22-64 inch choke with two per cent wash flow. Tubing pressure was 700 pounds and casing pressure 300 pounds. The test is located in the southeast corner of the northeast quarter of the northwest quarter of section 13-18-18.

The same concern has reached final stages in its J. C. Morgan No. 2, in the same section. Schlumberger tests have been run and seven-inch casing set at 7,636 feet. The well is bottomed at 7,647 feet.

The Leona No. 3 of Robert & Murphy, located in the center of lot 6, southwest quarter of section 7-18-17, is drilling below 7,306 feet.

### Lion Completes Henry No. 2 In Shuler Field.

**Special to the Gazette.**  
**3-24-39**  
El Dorado, March 23.—Completion of the Lion Oil Refining Company's Henry No. 2 test in the Shuler field for a successful producer was announced by Lion officials today. Bottomed at 7,700 feet, the well was perforated with 247 holes and was estimated capable of producing 60 to 70 barrels of oil an hour. Perforations were shot from 7,580 to 7,600 feet. The well is making 30 barrels an hour on a quarter-inch choke.

Completed in the Jones stratum, the Henry test is located in the north half of the southwest quarter of the northeast quarter of Section 12-18-18.

Lion officials said the rig from the Henry test would be moved to a new location in Shuler for drilling of the Lion Bank No. 2, located 660 feet east and 330 feet south of the northwest corner of the northeast quarter of Section 13-18-18. The test will be drilled to Jones sand.

## Lion Sets Fast Shuler Drilling Pace

**3-26-39**

**Special to the Gazette.**

El Dorado, March 25.—The Lion Oil Refining Company led in the search for crude production in the El Dorado and Union sector this week, with completion of a test from the Jones sand in the Shuler field and preparations to drill on a new location in Shuler. Lion drilled ahead on three others and prepared to move rig to another.

The completion was the Henry No. 1, in the north half of the southeast quarter of the northeast quarter of section 12-18-18. The test was "shot" in late Wednesday with 247 perforations from 7,580 to 7,600 feet. The test was bottomed at 7,700 feet. Operators estimated the original flow was 70 to 80 barrels of crude an hour. Later the well made approximately 30 barrels through a quarter-inch choke.

**One New Drill Permit Issued.**  
The Lion obtained the week's only permit to drill. The new Jones sand test will be the Bank No. 2, 600 feet

east, 330 feet south of the northwest corner of the northeast quarter of section 13-18-18. The rig from the Henry test probably will be moved to the Bank location, but officials have not announced when operations would be started.

Lion's Murphy Land Company No. 1, in the southwest quarter of the northwest quarter of the northeast quarter of section 13-18-18, is drilling below 6,800 feet. Coring is expected soon.

The Clay No. 1 test of the Lion, in the southeast quarter of the southwest quarter of section 12-18-18, is drillings below 6,027 feet. Ten-inch casing was set early this week and the hole is going down rapidly. Operators hope to complete the test soon after the Murphy Land Company well is brought in.

Lion's third active Shuler well is the J. H. Calloway No. 1, in the northeast corner of the southwest quarter of the southwest quarter of section 13-18-18, which is drilling at 5,000 feet.

Phillips Petroleum Company's Brian No. 4, in the northeast quarter of the southeast quarter of section 13-18-18, Shuler field, is drilling below 3,500 feet. The test was started about two weeks ago.

**Sewell No. 10 Awaits Casing.**  
Phillips' other Shuler well, the Sewell No. 10, in lot 4 of the southwest quarter of section 7-18-17, Shuler field, is waiting on cement after having drilled to 2,125 feet.

The Oliphant Oil Company is preparing to drill a test on the Union sawmill lease 10 miles south of El Dorado. With rigging up nearly completed, drilling is expected to be started soon. The well is in the northwest quarter of the southwest quarter of section 22-19-14.

## New Theory For Jones Sand Offered

**March 28, 1939**

**Special to the Gazette.**

El Dorado, March 27. — Testimony favoring a new oil in place theory of proration extraction of crude from Jones sand in the Shuler oil field was heard today, the first of a two-day state-wide hearing for Arkansas oil operators conducted by the Arkansas Oil and Gas Commission.

The new theory was projected by Frank Richardson, production engineer for the Lion Oil Refining Company, and is supported by both the Lion and Phillips companies. A witness testified that it would extend life of production from Jones sand in Shuler by equalizing pressure.

Mr. Richardson's formula follows: Acre feet of each drilling unit, multiplied by the bottom hole pressure of the well producing from the unit, the result to be divided by the total of all products of unit acre feet of saturated sand multiplied by the bottom hole pressure of the unit, with the figure last obtained to be multiplied by the field allowable.

Mr. Richardson testified that there is a pressure differential of 750 pounds in the Jones stratum from west to east. The higher pressure is in the west. He testified that the sand is thinner in the east portion.

He said that the drainage or migration of oil from west to the thinner sand in the east has taken place and will continue unless the present system of proration is revised.

The 122 wells flowing from Jones sand in Shuler are allowed to produce 15,000 barrels of crude daily, or a per well average of approximately 122 barrels.

Mr. Richardson's theory of proration would increase the daily allowable for wells in the thicker stratum and reduce it for those in the thinner sand. He said this would equalize bottom hole pressure in the field. He said a year would be required before the equalization process would arrest migration of oil.

Asked why he previously had testified that he believed 15,000 barrels per day for the Shuler field is an efficient rate of production, Richardson said that the 15,000-barrel figure makes for the best gas-oil ratio in the field (1,100 cubic feet of gas per barrel of oil).

He said also that the 15,000 barrel figure makes for the greatest recovery of oil per pound drop in pressure. To raise or lower the allowable, Mr. Richardson testified, would mean a rise in the gas-oil ratio, an undesirable factor.

Asked if his theory does not give the advantage to the Lion and Phillips companies, Mr. Richardson replied: "That is a coincidence," but admitted that the advantage would be with the two companies.

Mr. Richardson said that the Reynolds lime of Shuler can be flowed with no drop in pressure, because of the presence of a water drive. The lime has lost only 40 pounds pressure during the past five months.

**Supported By Phillips Engineer.**

George Vanderveer, Phillips engineer, answering a question declared that a water drive is more effective than is gas energy in producing oil wells. Mr. Vanderveer said that open flow of wells in the field would be costly and harmful to the wells. He explained that the

average bottom hole pressure at Shuler currently is 2,655 pounds. Lowest pressure is 2,146 in a well in the eastern part of the field and the highest is 2,910 pounds in the northwest section.

Concerning Mr. Richardson's proposal, Mr. Vanderveer said that he believed it effective. He expressed belief that it would aid in the conservation of energy and in the greater ultimate recovery of oil.

He said that originally there was 118,000,000 barrels of oil in the Jones reservoir, with expectancy of 35 per cent recovery. There will be less recovery, he predicted, if the migration of oil in the reservoir is allowed to continue.

Mr. Vanderveer agreed with Mr. Richardson that the 15,000-barrel daily allowable for the Jones sand is efficient.

It is expected that witnesses for Jones, Murphy & Hurley, chief opponents of the new proration plan, will be heard tomorrow.

## Drilling In Shuler Field On Up Trend

**4-2-39**

**Special to the Gazette.**

El Dorado, April 1.—With completions slated in the Shuler field within two weeks, an extension to the southwest in the Rainbow City field looming, and favorable reports from a wildcat test in Calhoun county, south Arkansas' search for oil was on the up trend this week-end.

The Lion Oil Refining Company's Murphy Land Company No. 1, in the Shuler field, west of El Dorado, topped the prolific Jones sand the middle of this week at 7,572 feet and operators cored at 7,637 feet. Obtaining favorable showings, operators prepared to set production casing this week-end. They must allow cement to set for five or six days before perforating and completing the well. The test is in the southwest quarter of the northwest quarter of the northeast quarter of section 13-18-18.

**Clay No. 1 Ready to Core.**  
Lion's Clay No. 1 test, in the southeast quarter of the southwest quarter of section 12-18-18, was drilling around 7,530 feet, and preparing to start coring, preparatory to setting production string. Lion officials said the well probably would be brought in within 10 days.

The P. H. Calloway No. 1 of the Lion is drilling at about 6,200 feet, and has approximately 1,000 more feet to go before reaching production sand. The test is in the northeast corner of the southwest quarter of southwest quarter of section 13-18-18.

Lion's First National Bank No. 2, 660 feet east and 330 feet south of the northwest corner of the northeast quarter of section 13-18-18, is drilling at about 1,500 feet. The test was started only last week.

**Rainbow Field Feels Spurt.**  
Operations in the Rainbow City field, east of El Dorado, spurted when operators of the Jerry No. 1 on Sam Sebersky, trustee, set casing at 2,700 feet after about nine feet of saturated sand had been encountered in coring.

The test in the southeast quarter of the southwest quarter of section 21-17-4, is southwest of the producing area at Rainbow City and between that area and the old El Dorado east field.

The sand is being hailed as a new producing stratum for that section. A Schlumberger test was taken before casing was set. The well is being drilled by Sebersky and Dr. Edwin Bylick, who were active in this field several years ago.

Completion of another well in the Rainbow area looms. It is the Nash No. 3 of Bradham and Anthony in the southwest corner of the northeast quarter of the southwest quarter of section 7-17-13. Casing has been set.

**Francis No. 1 Making Comeback.**  
A comeback is being made by the Francis No. 1 of Richardson and Murphy in section 7-17-13, Rainbow field, which went dry recently after flowing for about three months. Swabbed back in, it is reported making 350 barrels of pipeline oil daily.

The Union Sawmill test of Goodwin and Marwick in section 9-17-13, has been shut down temporarily on account of high water, but drilling is expected to be resumed soon.

On the Oliphant Oil Company's Union Sawmill wildcat test in section 22-19-14, surface casing has been set, and the test is drilling below 275 feet.

The Cross No. 1 of the Standard Oil Company in section 14-23-3 west, Union parish, La., just over the Arkansas line, is drilling below 4,700 feet.

Phillips Petroleum Company's two Jones sand wells in the Shuler field are drilling ahead. The Sewell No. 10 of Phillips, in lot 4 of the southwest quarter of section 7-18-17, is drilling at



2,700 feet. The Brian No. 3 of Phillips, in the northeast quarter of the southeast quarter of section 13-18-18, is drilling just below 4,000 feet.

#### Four Drill Permits Issued.

The Arkansas Oil and Gas Commission this week issued four permits to drill wells in four counties. They were:

To Lyons and Merritt to drill the Matlock No. 2, 320 feet south, 350 feet west of the northeast corner of the southeast quarter of the southeast quarter of section 2-20-28, Miller county. Contract depth: 6,300 feet.

The Sklar Oil Corporation to drill the J. S. Murphy No. 11, 250 feet east, 150 feet south of the northwest corner of the southwest quarter of the northeast quarter of section 15-21-17, Union county, Smackover field. Expected depth: 2,385 feet.

To the Shell Petroleum Corporation to drill the Levi Garrett No. 1, 660 feet south and east of the center of section 13-17-20, Columbia county. Expected depth: 7,300 feet.

To J. B. Zick, trustee, to drill the A. P. Green No. 1 150 feet south, 75 feet west of the northeast corner of the southeast quarter of the southeast quarter of section 21-18-18, Clark county.

Three permits to plug and abandon were issued to the G. J. James estate. The wells are the W. H. Perdue Nos. 7 and 2 and the Townsend No. 7, all in section 10-17-14, Rainbow field.

### Reynolds No. 1 in Snow Hill Area Due In.

4-4-39

Special to the Gazette.

El Dorado, April 4.—Interest in the El Dorado district has turned to the Snow Hill area, where Phillips Petroleum Company is scheduled to perforate the Reynolds No. 1 in SE SE NW Section 27-15-15, within two days. One well in the Shuler area is waiting on casing for final testing.

The original Snow Hill discovery well, the Reynolds No. 1, produced as a pumper from the Reynolds lime level at 5,000 feet and then developed salt water. The well has been plugged back to 2,770 feet, and operators expect to perforate in the Tokio or Saxon formation at 2,730 feet.

Discovery of the Reynolds brought new impetus to this section in 1936 at a time when drilling was at probably the lowest ebb in the history of the south Arkansas oil fields.

Ten wells were drilled in the area, six becoming producers and four dry holes. Only three of the producers still are pumping, the others having been abandoned after turning to salt water. A saturated sand was found in cores taken at 2,739 feet at the time the Reynolds well was drilled, and Phillips officials believe production may be found at this level.

Lion Oil Refining Company has set casing on the C. H. Murphy Land Company No. 1, in the northeast corner of SW SE Section 13-18-18, Shuler field, and completion is expected this week. Pipe was set at 7,690 feet. Seven other wells are drilling in the Shuler field.

### Union County Wildcat May Be Completed Today.

4-5-39

Special to the Gazette.

El Dorado, April 4.—The Jerry No. 1 well of Sam Sebersky and others in section 21-17-14, two miles south of production in the Rainbow field and two miles east of the old East field, was perforated with 15 shots tonight and operators expressed belief the well would be completed for a producer early tomorrow.

This wildcat test will extend oil production considerably in that area. Operators were running tubing tonight.

### Lion Completes Murphy No. 1 In Shuler Field.

4-9-39

Special to the Gazette.

El Dorado, April 7.—The Lion Oil Refining Company completed its Murphy Land Company No. 1 test in Shuler field for a producer in the Jones sand this morning. The well has not cleaned itself but it was estimated it was flowing 40 barrels an hour through a 24-64 inch choke. One hundred sixty perforations were made between 7,604 and 7,624 feet. The test is in the southwest corner of the northwest quarter of the northeast quarter of section 13-18-18.

The Lion has set seven-inch casing in its Clay No. 1 test in Shuler down to 7,686 feet. Perforations will be made soon. The test is in the southwest quarter of the southwest quarter of section 12-18-18.

Sam Sebersky, who heads a list of operators drilling the Jerry No. 1 test in section 21-17-14, said today quick-setting

cement had been placed in his well to squeeze off the flow of water. He said the well flowed pipeline oil after being swabbed late Wednesday, but that showings of water appeared. The cement is expected to be set within 36 hours and swabbing will be continued. Tanks on the location have been placed in readiness.

### J. C. Morgan No. 3, Shuler Field, Big Producer.

4-25-39

Special to the Gazette.

El Dorado, April 24.—Jones, Murphy & Hurley completed their J. C. Morgan No. 3 test in the Shuler field near here today for one of the biggest producers brought in recently. The test, located in section 13-18-18, is the second brought in by Jones, Murphy & Hurley in three days.

The Lion Oil Refining Company completed a well in the same section Friday.

The new producer showed a run of 67 barrels of oil in an hour's check before being turned into tanks.

The rigs from the J. M. and H. Morgan No. 4 test, which was completed Saturday, has been moved to the Fee No. 7 test of the Marine Oil Company in section 20-18-17, Shuler field. The well will be spudded in Wednesday. The rig from the J. C. Morgan No. 3 will be moved to the J. M. and H. Murphy Land Company test in section 24-18-18, for a Jones well.

### Lion to Extend Pipeline From \*Shuler to Kerr-Lynn Area.

5-5-39

Special to the Gazette.

El Dorado, May 4.—Lion Oil Refining Company announced today that its pipeline facilities would be extended from its Shuler field, Union county properties, near El Dorado, to the Kerr-Lynn field, Columbia county, near Magnolia. Officials said work on a six-inch pipeline began today and probably would be completed by June 1.

### Another Shuler Well Completed By Phillips Company.

5-5-39

Special to the Gazette.

El Dorado, May 4.—The Phillips Petroleum Company completed its Sewell No. 10 test, in Section 7-18-17, Shuler field, tonight for a producer in the Reynolds lime stratum. The test, located in Lot 4 of the southwest quarter of the section, was perforated this morning. The flow was not gauged but it was said production would tally with other Reynolds lime wells.

Sam Sebersky, operator of the Sebersky, et al., Jerry No. 1, in Section 21-17-14, seven miles east of El Dorado, said that he would bring in the test in the Tokio sand at 2,695 feet tomorrow morning. He said that drill stem tests indicated a good showing of high quality oil. No salt water has appeared. It is the second test to be drilled by the operator on his present lease. Several weeks ago his first test, 100 feet north of the present well, developed salt water. During a squeeze job the casing collapsed, and the test was abandoned.

Brian No. 4 test of the Phillips company, brought in Saturday night, developed salt water this week. Operators did a squeeze job and are waiting on cement.

### Garrett B-1, Magnolia Producer, Flowing 17 Barrels Hourly.

4-20-39

Special to the Gazette.

Magnolia, April 19.—Southwood's Garrett B-1 well, in Section 24-17-20 on which the plug was drilled Sunday, had cleaned itself into the pit this morning and was turned into the tanks. It was flowing 17 barrels an hour through a three-sixteenth-inch reversible choke today. Gas pressure on the tubing and casing was 1,400. Total depth is 7,585 feet, with casing set to 7,485. It has more than 100 feet of porosity and saturation.

This is the 17th well for the Magnolia field. Three others in the Magnolia field are scheduled to be completed soon. They are Atlantic's Garrett D-1 in 24-17-20, whose plug is ready for drilling; Vaughn's Baker No. 1, in 15-17-20, which is running five-inch casing near the bottom at 7,555 feet, and Southwood's L. A. Grelling No. 2, which is conditioning the hole for casing at 7,480 feet, with bottom at 7,512.

The Baker well is on the southwest edge of the field and near Atlantic's Early Talley, in 14-17-20, abandoned in July, 1937, as a dry hole. It has cored 190 feet of saturation without a break.

## Another Well Completed In Columbia

4-22-39

Special to the Gazette.

Magnolia, April 21.—Atlantic Oil Company's Garrett D-1, in the northeast of the northwest of 24-17-20, cleaned itself today after the plug was drilled yesterday and was turned into the tanks, but no gauge was taken.

This is the 18th well in the Magnolia field. It was bottomed at 7,555 feet and casing set at 7,552. It showed more than 100 feet of pay in the deep line.

Southwood's Grelling No. 2, 23-17-20, and Grady Vaughn's Baker No. 1, in 15-17-20, which are waiting for cement on production casing, are due to have plugs drilled tomorrow it was announced today by an official. They will be completed Sunday, or as soon as they clean themselves.

The Baker No. 1, with more than 190 feet of unbroken pay, may be the biggest well in the area.

## Magnolia Area Has Two New Producers

4-25-39

Special to the Gazette.

Magnolia, April 24.—Vaughn's Baker No. 1, in section 15, came in yesterday and was turned into tanks on a small choke. The Grelling No. 2, in section 23, came in late today. Both gauged 27 barrels on quarter-inch choke.

Atlantic's Garrett C-1, in section 13 is due to have plug drilled tomorrow. The Baker No. 1 is the 19th well in the Magnolia field, and Grelling No. 2 is the 20th. The Baker No. 1 had 190 feet of saturation and is believed the best well in the field. It is in the extreme southwest portion of the Magnolia field. The Grelling No. 2 had around 100 feet of saturated lime.

## Wildcat Near El Dorado Brought In

5-6-39

Special to the Gazette.

El Dorado, May 5.—Sam Sebersky's Jerry No. 1 wildcat, in section 21-17-14, seven miles due east of El Dorado, blew in for a successful oiler about 2:30 p. m. today following short bailing operations.

The test, which had been drilling several weeks, got oil from 2,695 feet in the Tokio sand.

The well, said by Mr. Sebersky to be making oil of about 30 gravity and of excellent lubricating quality, was turned into tanks just after it was completed. Additional tanks were taken to the location tonight and others will be moved in tomorrow.

The exact location of the well is in the center of the southwest quarter of the section.

#### Strong Gas Pressure.

The well was plugged last night and the plug drilled this morning. After it made several good heads, the gas pressure shot the oil half way up the derrick before the flow was shut off.

A "Christmas tree" was moved onto the hole this afternoon. The tree then was removed and bailing started. After about 10 minutes the well flowed by heads for about 15 minutes before developing enough pressure to blow the oil over the top through the six-inch casing.

Gas pressure at the offset of the flow appeared to be tremendous.

Reports tonight said that the pressure was increasing so fast operators were afraid the well might run wild.

During the afternoon the well flowed spasmodically in cleaning itself. It began flowing steadily tonight. No check of production or pressure was made.

Members of the oil fraternity believed a mild drilling spree would result from successful completion of the well.

#### Sewell No. 1 Completed.

The Phillips Petroleum Company today announced that its Sewell No. 1 well, in lot 4 of the southwest quarter of section 7-18-17, Shuler field west of El Dorado, made 123 barrels of oil in 11 1-2 hours through a quarter-inch choke. The test was completed yesterday.

## Sebersky Test In Wild Completion

5-7-39

Special to the Gazette.

El Dorado, May 6.—After blowing wild for more than 10 hours and spraying oil over a wide area, the Jerry No. 1, semi-wildcat well of Samuel Sebersky, trustee, in Section 21-17-14, seven

miles east of El Dorado, bridged over early today, and late this afternoon crews were running tubing preparatory to washing in again.

The well blew out the master valve shortly after being completed this afternoon and defied crews who attempted to shut it in. A 500-barrel tank on the lease was filled, and a hastily constructed earthen pit on a hillside was estimated to contain 2,000 barrels of oil. Trees and the landscape for hundreds of yards around were blackened by the spray of oil and gas.

#### Creates Excitement.

The wild well late yesterday created considerable excitement in oil circles, and its roar harkened back to the big boom days of 15 years ago when wild ones were the order of the day. The oil is about 26 gravity, and the gas pressure before the blow-out was estimated at 1,000 pounds.

The Jerry well is about half-way between the old El Dorado east field and the Rainbow sector, and is more than two miles from any valuable production. It is in the center of the southwest quarter of Section 21-17-14, where about 10 years ago Root Petroleum Company obtained an excellent showing in a 2,800-foot test.

#### Believes New Field Probable.

Mr. Sebersky told newsmen he believes the well will open a new development program for the sector. Nearby Rainbow field has had a hectic career. Discovered in 1928, the field has made several big comebacks, the biggest drilling boom having been in 1934, when a new sand was found in Section 10-17-14. Three additional levels since have produced oil.

The present Jerry well is the second on the lease drilled by Mr. Sebersky. While the first was being tested, the casing collapsed and the hole was junked. Derrick was skidded more than 100 feet and the new hole drilled.

Mr. Sebersky, who became identified in Union county oil activity in 1921, began assembling his present lease in August, 1938. Beginning in March, 1938, he and Dr. Edward Bylick, a native of Poland, did considerable geological work surrounding the present well site. Mr. Sebersky and associates, one of whom is Dr. Bylick, have 900 acres leased up surrounding their test.

#### One Shuler Well In.

Only one Shuler producer was completed this week. It was the Sewell No. 10 of the Phillips Petroleum Company, completed last night in the Reynolds lime. The well made 112 barrels of oil in an 11 1-2-hour test through a quarter-inch choke. The test is in Lot 4 of the southwest quarter of section 7-18-17.

The Phillips Brian No. 4, in the northwest quarter of the southeast quarter of section 13-18-18, has been cemented to shut off salt water. The well was completed last Saturday night in the Reynolds lime, but developed salt water early this week. The test is expected to be brought in again in about three or four days.

The Lion Oil Refining Company's Bank No. 2, 660 feet east, 330 feet south of the northwest corner of the northeast quarter of section 13-18-18, has set seven-inch casing at 7,695 feet and will perforate about Tuesday at 7,687 in the Jones sand.

Lion's Bank No. 3, in section 12-18-18, is drilling at about 6,600 feet this weekend and its completion is due within 10 days. Completion of the two bank

wells would leave the Lion with only one drilling test in the Shuler field.

Company officials announced that rig for the proposed Clay No. 2 test, for which permit was obtained to drill 330 feet south, 330 feet west of the northeast corner of the southwest quarter of section 12-18-18, will be moved to a new location in Shuler.

The new location will be known as the John No. 1 of the Lion. It is on a Sewell lease. The location of the well is 650 feet east, 330 feet north of the southwest corner of the southeast quarter of the northeast quarter of section 12-18-18.

Jones, Murphy and Hurley interests announced that 10-inch casing had been set at 2,117 feet in the Murphy Land Company "C" test in Shuler. The Jones sand test is drilling ahead below 2,200 feet. The well is in the northeast corner of the northeast quarter of the northeast quarter of section 24-18-18. It is the only present Shuler test by Jones, Murphy and Hurley.

The Union Sawmill No. 1 test of the Oliphant Oil Corporation of Shreveport, is drilling below 6,600 feet. It is located about 10 miles south of El Dorado, 668 feet east, 658 feet south of the northwest corner of the northwest quarter of the southwest quarter of section 22-19-14, Union county.

Ray Murphy, trustee, will spud in a wildcat Monday about five miles north of El Dorado. The test, known as the Pickering No. 1, is in the northwest quarter of the southeast quarter of section 31-16-15. H. H. McBride is drilling contractor. The lease is located near Murphy's birthplace and boyhood home.

Wildcatting in Union county perked up this week, with the successful showing of the Sebersky well, the spudding in of the Murphy trustee test and the location for a well a mile east of Smackover.

The well near Smackover is the Bob Milam, Trustee, N. L. Primm et al. No. 1. The test, in section 1-16-16, is slated to be drilled to 2,600 feet.

#### Three Drill Permits Issued.

The Arkansas Oil and Gas Commis-

sion has issued three permits to drill and two permits to plug and abandon in Union county. The permits to drill went to:

Lion Oil Refining Company to drill the John No. 1, 660 feet east, 330 feet south of the west corner of the southeast quarter of the northeast quarter of section 12-18-18, Shuler field.

Bib Milam, trustee, to drill the N. L. Primm et al. No. 1, 330 feet north, 250 feet west of the northeast corner of Lot 5, section 1-16-16.

Ray Murphy, trustee, to drill the Pickering No. 1, in the northwest quarter of the southeast quarter of section 21-16-15.

Permits to plug were issued to:

Standard Oil Company of Louisiana to plug to J. J. Gunnells No. 1, 660 feet south, 665 feet west of the northeast corner of the southeast quarter of the northeast quarter of section 16-17-19.

Texas-Canadian Oil Corp., Ltd., to plug the J. N. Thomas No. 2 in section 12-20-38.

## Hope Still Held For Sebersky Test

5-14-39

Special to the Gazette.

El Dorado, May 13.—Operators of the Sam Sebersky Jerry No. 1 well in section 21-17-14, six miles east of El Dorado, still held hope for a successful completion this week-end despite adverse conditions.

Swabbing and bailing on the test have been carried out intermittently since the first of the week, but operators have yet to obtain a smooth flow of oil, although indications point strongly to potential production in the shallow test, bottomed at 2,698 feet.

The test, which blew in Friday, May 5 ran wild for several hours before bridging over. During the time the test ran wild, it produced considerable oil, gas and even sand. Tubing was set Sunday and swabbing was started Monday. Throughout this week the well has shown much gas pressure and has spouted oil, sand and water. It was reported that the test, when allowed to flow wild, showed considerable oil, but that it became shut off by

choking up of sand when a Christmas tree was applied.

Several thousand barrels of oil have been recovered from the well since it started to flow. It has been collected in a creek bed, since dammed up, and later transferred to three 500-barrel capacity tanks near the well.

#### Brian No. 4 Recompleted.

The Phillips Petroleum Company recompleted its Brian No. 4 in the northeast quarter of the southeast quarter of section 13-18-18. When completed several weeks ago, the test developed salt water. It was squeezed and perforated again at 7,630 to 7,635 feet. The well still is flowing some salt water but is producing oil at the rate of 113 barrels a day.

Phillips is preparing to drill another well in that area. The company obtained permit to drill the Mill No. 1 test in section 18-18-17 soon.

Completion of the Lion's Bank No. 2, 660 feet east, 330 feet south of the northwest corner of the northeast quarter of section 13-18-18, was expected this week, but officials announced today the well still was waiting on cement at 7,695 feet. Perforations are expected to be made at about 7,668 feet.

The Lion's Bank No. 3 test in section 12-18-18 has been drilled to 7,228 feet and coring was started today. Allowing a week for setting of casing and cement, the test probably will be completed in 10 days.

Completion of the two Bank tests would leave the Lion Oil Company with only one drilling well in the area. Derrick has been erected and a location cleared for the John No. 1 test, which is expected to be spudded in next week. It is 660 feet east, 330 feet south of the southwest corner of the southeast quarter of the northeast quarter of section 12-18-18. It will be a Jones sand well.

The Marine Oil Company's Fee No. 7 in the southeast corner of the northeast quarter of the northeast quarter of section 20-18-17, Shuler field, is drilling ahead at about 5,000 feet. It is being drilled with modern rigs belonging to Edwin M. Jones and will be punched to the Jones sand level. It is the only Marine drilling operation in the Shuler field.

Jones, Murphy and Hurley Murphy Land Company "C" well is being drilled below 3,000 feet. Located in the northeast corner of the northeast quarter of the northeast quarter of section 84-18-18, Shuler, the well will be drilled to Jones sand. Ten-inch casing has been set at 2,117 feet.

Virgil Simms, operator, has rigged up on his Kelly No. 1 in section 9-17-13,

two miles east of the Rainbow field for a shallow test, not yet licensed.

The Sklar Oil Corporation has erected derrick on its J. S. Murphy test in section 9-16-15, Smackover field. Bob Milam, operator of the Primm



estate test in section 1-16-16, has set eight and three-quarter-inch casing in the Smackover field.

#### Five Drill Permits Issued.

Five permits to drill were issued by the Arkansas Oil and Gas Commission to:

Phillips Petroleum Company to drill the Mill No. 1, 492.5 feet east, 50 feet south of the northwest corner of the south half, Lot 4 of the southwest quarter of section 18-18-17, Union county.

Phillips Petroleum Company, to drill the L. A. Longino No. 1, 660 feet from the east line of the west half of the southeast quarter of section 17-17-20, Columbia county.

Midcontinent Petroleum Corporation, to drill the R. S. Foster No. 1, in the east half of the southwest quarter of section 24-17-20, Columbia county.

Samuel L. Alexander, trustee, to drill the J. R. Pickering No. 1, in the center of the northwest quarter of the northwest quarter of section 31-16-15, Union county.

Arkansas Oil & Mining Company and the St. Louis Union Trust Company et al., to drill a wildcat gas well in the center of the northeast quarter of the southwest quarter of the northeast quarter of section 10-11-31, Crawford county. The well will be five and a half miles west of Mountainburg.

#### Lion Completes Bank No. 2 As 1,200-Barrel Producer.

5-19-39

Special to the Gazette. El Dorado, May 18.—The Lion Oil Refining Company's Bank No. 2 test, Shuler field, west of El Dorado, was completed today for a producer of 50 barrels an hour. The well was gauged this afternoon. Flow tests were made through a half-inch choke.

Located 660 feet east and 330 feet south of the northwest corner of the northeast quarter of section 13-18-18, the well is producing from the Jones sand. Perforations were made last night between 7,600 and 7,620 feet with 161 shots. The well cleaned itself this morning.

The Bank No. 3 of the Lion, in section 12-18-18, Shuler, is waiting on cement at 7,695 feet. Completion is expected next week.

#### New Oil Producing Zone Looms For Union County.

6-1-39

Special to the Gazette. El Dorado, May 31.—A new oil producing zone in Union county loomed today with announcement of Samuel S. Alexander of Fort Worth that he has cored two feet of saturation in the Jones sand in his Alexander-Pickering No. 1, in Section 31-16-15, one and a quarter miles southeast of production in the old Smackover field.

He believes that his test is located on a geological structure different from that of the nearby Smackover field. The well, now bottomed at 2,152 feet, is checking 30 feet higher, he said.

Mr. Alexander plans to take another core and set seven-inch casing at 2,150 feet tomorrow.

## Shuler Field Expecting Two New Wells In

6-4-39

Special to the Gazette. El Dorado, June 3.—With no well brought in this week in the Shuler field, operators looked forward to the completion next week of two deep test wells in opposite ends of the field.

The first completion is expected to be the Fee No. 7 of the Marine Oil Company. Located in section 20-18-17, the well was cored yesterday at 7,495, and casing and tubing were run into the test today. The Marine test is in the extreme east portion of the field.

In the extreme southwest portion of the field, Jones, Murphy & Hurley interests are drilling below 6,495 feet on their Murphy Land Company C-1, in section 24-18-18. Completion in the Jones stratum is expected in 10 days. The wells would extend the field several miles east and west of the major portion of production in the Shuler sector west of El Dorado.

The third Shuler well nearest completion is the Mill No. 1 of the Phillips Petroleum Company. Located 492.5 feet east, 50 feet south of the northwest corner of the south half, Lot 4, of the southwest quarter of section 18-18-17, the well is drilling below 5,700 feet.

The only other Phillips test in the area is the Sewell No. 9, in the southwest corner of the northeast quarter of section 7-18-17. Derrick is up, but drilling operations are awaiting orders.

#### Lion Drilling Four Shuler Tests.

With a new location made this week-end, the Lion Oil Refining Company now has four wells under way in Shuler.

The newest location, for which permit was obtained from the Arkansas Oil and Gas Commission, is the Bessie No. 1 in the center of the south half of Lot 5 of the northwest quarter of section 7-16-17. Operators are building derrick.

The Lion's John No. 1, 660 feet east, 330 feet south of the southwest corner of the southeast quarter of the northeast quarter of section 12-18-18, is drilling below 4,000 feet.

Lion's Clay No. 2, a location made about 10 days ago, has set 10 3/4-inch casing at 1,915 feet and is drilling ahead below 2,000. The test is 660 feet west, 330 feet north of the southeast corner of the northeast quarter of section 12-18-18, Shuler.

The other Lion test in the area, the Frank No. 1, is rigging up rotary drilling facilities and is expected to spud in tomorrow or Monday. The Frank well is 660 feet west, 330 feet north of the southeast corner of the southwest quarter of the northeast quarter of section 12-18-18.

The only notable wildcat location of the week was made by C. E. Murdock interests in Calhoun county. The Murdock well will be the Southern Kraft No. 2, in the center of the southeast quarter of the southeast quarter of section 3-14-13.

#### Murdock Test Abandoned.

Several months ago Murdock began drilling on the Southern Kraft No. 1, section 17-14-13, Calhoun, and abandoned it at about 2,000 feet. From that level J. R. Lockhart interests took over drilling and punched a hole to 5,095 feet, encountering several good showings. The well now is shut down, awaiting orders.

Mr. Murdock several years ago assembled about 6,000 acres in a block in Calhoun county and now has more than 3,000.

Geological and seismograph findings in Calhoun, particularly in the vicinity of the county seat, Hampton, show the best "high" or possible oil producing territory north of the Ouachita river. Location for a well is expected within two weeks.

Samuel S. Alexander and associates, drilling the Pickering No. 1 well in section 31-16-15, Union county, about six miles north of El Dorado, encountered salt water in several tests made this week, after favorable showings of oil were found earlier in cores. Latest reports on the well indicated that additional testing was being carried out from 2,152 to 2,156 feet.

The J. A. Kelly No. 1 of V. E. Simms et al. is drilling below 2,661 feet. Operators cored at 2,155-2,171 and recorded 10 feet of black shale and a slight showing of gas and five feet of black shale at 2,350. The test is in section 9-17-14, Union county.

Operators of the F. A. Laney No. 2 of J. E. Crosbie, Inc., will plug back from 2,832 feet because of salt water. Located in section 36-15-16, the well has made several tests at higher levels and encountered Blossom and Graves sands, from which production has been obtained previously by other operators.

In section 9-16-15, Union county,

## New Unit Constructed By Lion Co.

6-4-39

Special to the Gazette. El Dorado, June 3.—A new cracking and reforming unit will be put into operation at the refinery of the Lion Oil Refining Company, El Dorado, July 1, Col. T. H. Barton, Lion president, announced today.

"Construction of the new refining equipment was necessary to keep pace with expansion in other divisions of the company, especially the production division," he said. "It also is in line with our policy of maintaining efficient and up-to-date refining facilities."

#### The New Equipment.

The new equipment will consist of a three-compartment, separately fired Lummus furnace, an eight-by-78 evaporator-fractionator tower, a new centralized control house, pumps and other auxiliary equipment.

Production from the new unit will be high octane gasoline No. 2, burner oil and fuel oil. It is expected that gasoline produced in the new equipment is expected to be approximately four points higher in octane number and will result in increased production and premium motor fuel.

The new equipment will supplement present cracking facilities and give an additional reforming capacity. The older cracking unit will be converted into a crude-topping and vis-breaking unit handling Shuler crude, making possible an increase in light crude runs. Additional reforming equipment will enable the refinery to convert low

octane naphtha, excess kerosene or gas oil stocks into high quality motor fuel. Stabilization Plant Installed.

The refinery also is installing a high pressure stabilization plant to produce any vapor pressure gasoline desirable under special conditions of use.

All the new equipment, except for the furnace, was designed by the refinery engineering staff to embrace the most modern developments in refining practice, and all construction work was done by refinery mechanical department.

#### 26 Refined Products Manufactured.

From a daily throughput of approximately 18,000 barrels of crude, 26 major refined products are manufactured by the Lion for distribution to jobbers and oil marketers throughout the nation and through retail outlets in Arkansas, Alabama, Mississippi and Tennessee.

## Fee No. 1 In Shuler Field Due In

6-11-39

Special to the Gazette.

El Dorado, June 10.—Completion of the lone Shuler producer of the week is expected tomorrow by the Marine Oil Corporation on its Fee No. 7 in Section 20-18-17 in the Jones sand.

The test was perforated late today at 7,690 feet, but operators will not gauge flow until after the hole has cleaned itself. An eastern outpost, the well is expected to extend drilling activities. The Marine concern figured largely in discovery and follow-up tests in Shuler. Contract for the well was held by Edwin M. Jones.

Another Shuler well, being drilled with Jones equipment is the Jones, Murphy & Hurley Murphy Land Company C-1 in Section 24-18-18, southwest of regular production. The well was being cored today at about 7,650 feet and operators expressed hope of completing the well within the next week.

The only other Shuler field activity within at least 1,000 feet of production is the Phillips Petroleum Company's Mill No. 1, in the northwest corner of the south half of Lot 4, Section 18-18-17. The Mill is drilling below 6,900 feet. Most of the Phillips completions in Shuler have been in the Reynolds lime stratum.

The Lion Oil Refining Company has four wells at various stages in Shuler. Lion's John No. 1, in the southwest corner of the southeast quarter of the northeast quarter of section 12-18-18, is drilling below 5,900 feet in search of Jones sand production.

The Clay No. 2 of the Lion is drilling below 4,800 feet in the southeast corner of the northeast quarter of the southwest quarter of section 12-18-18.

Lion's Frank No. 1 in the southeast corner of the southwest quarter of the northeast quarter of section 12-18-18, is drilling below 1,600 feet.

Lion spudded in Thursday on the Bessie No. 1 in Section 7-18-17, which will be drilled to the Jones sand.

#### Fee No. 7, Shuler Field, May Make 18 Barrels an Hour.

6-13-39

Special to the Gazette. El Dorado, June 12.—Flowing by heads, the Fee No. 7 of the Marine Oil Company gave promise tonight of making a good producer. The test, located in Section 20-18-17, Shuler field, was being swabbed tonight and drilling water was being taken from the hole. The well has been estimated at capable of producing 18 barrels an hour.

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## Rainbow City Test Well In Limelight

6-23-39

Special to the Gazette. El Dorado, June 22.—Possibility that J. R. Lockhart, El Dorado oil explorer, would bring in one of the best wells in the history of the Rainbow City field

loomed today when favorable drill stem tests were obtained from his Porter Jerry No. 1. The well is located in the southeast quarter of the southeast quarter of Section 15-17-14.

During the test the well gave indications of a producer capable of making 80 barrels of crude an hour. Oil was reported clear of water.

The test is on the south edge of Rainbow Field. If completed successfully it will extend production more than a quarter-mile and open a new stratum in relation to Rainbow territory.

#### Graves Sand Tapped.

Today's drill stem test was made at 2,612 feet in the Graves sand, the first time that formation had been tapped successfully in Rainbow. Other adjacent production is from 3,000 feet.

The well showed 1,125 pounds of bottom hole pressure and 250 pounds of flowing pressure.

#### Oil Fraternity Enthusiastic.

Members of the oil fraternity, notably those who have been associated with exploration and production in the Rainbow vicinity, expressed belief that Mr. Lockhart "has something." Casing will be set at once preparatory to final testing. Pipe now is being moved on the location.

Completion of another well is Shuler field, west of El Dorado, is expected in a week.

Phillips Petroleum Company officials said today operators were ready to run a Schlumberger on the Mill No. 1, in Section 18-18-17. The test is bottomed at 7,900 feet, and 7 1/2 inch casing will be set soon. The test topped the Jones sand at 7,547 feet and cored at 7,549 to 7,585 before going deeper.

## Big Producer Completed In Rainbow Field

6-29-39

Special to the Gazette.

El Dorado, June 28.—J. R. Lockhart, El Dorado operator, obtained a good producer in completion of his Porter Jerry No. 1 well, in Section 15-17-14, Rainbow field, today.

Flowing through tubing, the well was making 35 barrels an hour tonight, and the flow was reported to be growing stronger as the well cleaned itself.

Later in the afternoon the well produced at the rate of 25 barrels an hour after starting to flow by heads following swabbing. There was no salt water. The oil is of heavy gravity but a test will not be completed until tomorrow.

Tubing pressure was reported to be 325 pounds and casing pressure, 425 pounds.

Completed from an oil sand from 2,612 to 2,617 feet, this is the first well completed from the Graves sand in the Rainbow City area. Casing was set at 2,606 feet. The well has a good cap rock.

Located in the northeast quarter of the southeast of Section 15-17-14, the well extends the producing area about a quarter-mile south.

#### Lion Completes Frank No. 1 Well in Shuler Field.

7-10-39

Special to the Gazette. El Dorado, July 10.—The Lion Oil Refining Company turned its Frank No. 1 well, in section 12-18-18, Shuler field, on a 24-64-inch choke today. The well making 37 barrels of oil from Jones sand per hour. The test was perforated Saturday afternoon with 159 shots from 7,610 to 7,630 feet in Jones stratum. The test cleaned itself yesterday and was turned into tanks today. It will be placed on allowable for the field tomorrow.

## Rainbow Well May Spur New Drilling

7-30-39

Special to the Gazette.

El Dorado, July 29.—Completion of the Porter Jerry No. 1 test in Section 15-17-15, Rainbow City field, east of El Dorado, marked the only real activity in this south Arkansas oil sector this week.

Brought in after several weeks of experimentation from various levels, the well was estimated to be capable of making 200 barrels of oil daily. Casing pressure originally was 475 pounds but is building up at the rate of a half-pound an hour.

The well is considered a semi-wildcat and its completion probably will result in more drilling in offset vicinity. J. R. Lockhart, who drilled the test, already has made location for his Porter Jerry No. 2, a southeast offset in the same

40-acre tract. The No. 1 well is located 235 feet south and 665 feet east of the north and west boundaries of the northeast quarter of the southeast quarter of the section. It is flowing from 2,616 to 2,614 feet.

#### New Rainbow Location Made.

H. L. Halverson and associates have made location for another test in the Rainbow area. Derrick timber has been moved in for their J. Moore No. 1, in the center of the southeast quarter of the southeast quarter of Section 1-17-14.

In the Shuler field, west of El Dorado, the Lion Oil Refining Company is drilling ahead at 7,100 feet on its Clay No. 3 test in Section 12-18-18. Operators probably will begin taking cores next week, with final testing scheduled next week-end.

The M. D. Justiss A-2 of the Lion, in Section 19-18-17, Shuler field, is drilling ahead at 6,000 feet. The test must be drilled about 1,700 feet more before final testing will start. The only other drilling activity in the Shuler field is the Sewell No. 9 of the Phillips Petroleum Company in Section 7-18-17, which is drilling below 2,500 feet. Ten and three-quarter inch casing was set at 2,140 feet and the well waited on cement to set all week.

Robert Millam, trustee, operator of the Prim estate No. 1 in Section 1-16-16, Smackover field, is reported waiting on standard rigging. He obtained showings several weeks ago and announced that he would place the test on pump. The well is bottomed at 2,579 feet.

In Section 15-18-13, Union county, the Arkansas Southern Oil Corporation is waiting on cement for its Simmons A-3 test at 2,629 feet.

After being shut down for several weeks, the J. F. Pickering No. 1 of Samuel S. Alexander, in Section 31-16-15, a few miles north of El Dorado, had resumed drilling and is reported drilling in shale below 2,927 feet. The test is a wildcat.

#### Sebersky Encounters More Trouble.

Sam Sebersky, who has drilled three dry holes in Section 21-17-14, about six miles east of El Dorado, is working on his Jerry No. A-3. He is trying to dislodge a drill stem, stuck at 3,020 feet.

The Sklar Oil Company, driller of the J. S. Murphy No. 11, in Section 9-16-15, is reported to have set seven-inch casing at 2,315 feet and is waiting on cement. The well is bottomed at 2,323 feet. When the test will be perforated has not been announced.

The Amerada Petroleum Corporation is reported drilling ahead in shale and sand at 5,200 feet on its Bradley Lumber Company No. 1, in Section 14-17-10, Bradley county.

The Grayson Nos. 1 and 2 of Webb & Frank in Section 4-14-20, Nevada county, are reported abandoned.

Ouachita county operations include a new location for the Cook estate No. 1 of Turner et al. in the center of the northwest quarter of the southeast quarter of Section 27-15-18. In Section 26-8-24, Ouachita county, Bruce Wallace's, Glen Tilyou A-2 is bailing to test at 400 feet.

#### Allocation Basis Continued.

Denial of a proposal by the Lion Oil Refining Company and the Phillips Petroleum Company for a new production allocation formula for the Jones sand in Shuler field and the setting of allowables for all fields in Arkansas for August and September highlighted a meeting of the Arkansas Oil and Gas Commission here Thursday.

The companies proposed that the allocation basis be changed from the acreage plus bottom hole pressure to acreage, plus thickness of sand plus bottom hole pressure. The companies contended that wells producing from the thin sand in the east portion of the field were draining oil from the thicker sand in the west portion of the field.

Allowable for the Jones and Reynolds strata of the Shuler field will remain the same, 15,000 barrels daily from the Jones sand, and 2,400 barrels from Reynolds lime. The Magnolia field allowable was increased from 6,300 to 13,500 daily, while the Buckner field allowable was increased from 1,925 to 2,100 barrels daily. The Atlanta field was increased from 200 to 450 barrels daily.

#### Two Permits Issued.

Only two permits to drill were issued by the commission. They went to:

Marine Oil Company, to drill the Joel Jones No. 1, 663 feet west and 656 feet north of the southeast corner of the northeast quarter of the northwest quarter of section 21-17-20, Magnolia field, Columbia county.

Normandie Oil Corporation, to drill the Jap Dees No. 1, in the center of the northeast quarter of the southeast quarter of section 24-17-20, Magnolia field, Columbia county.

## PLANS PREPARED SHOULD NEW GAS SUPPLY DEVELOP

6-6-39

## Based on Hope Of Cato Project.

Possibility of a cheaper natural gas supply for Little Rock if a new field at Cato, 15 miles north of the city, develops sufficiently to provide an adequate quantity, as its sponsors believe it will, was disclosed yesterday.

A group of Little Rock business men obtained an option to purchase, at four cents per 1,000 cubic feet, the output of the Cato field, located in Faulkner county 100 yards from the Pulaski county line. Officials of the Cato Oil Company say they expect to develop into a large natural gas field.

Ralph R. Harrell, general manager and secretary of the Cato Oil Company and driller of the Harrell No. 1 gas well in the 12,000-acre Cato field, said a contract has been signed by the company and Verne McMillan, Little Rock lawyer, as trustee for a group of Little Rock business men, whereby the Little Rock group has obtained an option to buy a minimum of 100,000,000 cubic feet of gas a month from the company at four cents per 1,000 cubic feet.

He reported the option was exercisable when the company proves it has a well of 10,000,000 cubic feet a day capacity. He said the Little Rock business men put up \$2,500 to complete the well in exchange for the option. Mr. Harrell said the contract specifies that the Little Rock company shall begin laying a pipeline from Cato to Little Rock, a distance of 15 miles, within 30 days after the requisite pressure is assured. The contract also provides that the Little Rock group must pay the Cato company \$1,500 a month six months after the gas starts flowing at the 100,000,000 feet a month contract rate whether the Little Rock company accepts it or not.

#### Option Signed For Little Rock Business Men.

Mr. McMillan admitted last night that he had signed the option as trustee for a group of Little Rock business men, whose names he said he could not reveal. He said the Little Rock group planned to buy the gas for resale in Little Rock.

Asked about plans for distribution, Mr. McMillan replied: "The first object is to obtain a supply. Distribution plans will come later." He refused to say whether the Little Rock group planned to construct its own distribution system or seek to purchase the system of the Arkansas-Louisiana Gas Company.

Mr. Harrell said the Arkansas-Louisiana Gas Company offered to purchase the entire output of the field at four cents per 1,000 but that he refused the offer.

#### Driller Believes Cato Field Has Great Possibilities.

Mr. Harrell was enthusiastic over the prospects of the Cato field. The Harrell No. 1 well Friday night was making what he estimated at 5,000,000 cubic feet of gas a day. He said pressure was estimated at 1,200 pounds, although the drillers have not permitted the well to reach that figure. The well builds up 100 pounds pressure on gauge in 30 minutes and is not allowed to go higher than 200 pounds as the casing must be cemented in, Mr. Harrell said.

A crew from an El Dorado company will arrive this week to perform this squeeze job, Mr. Harrell said. The well now is bottom at 2,300 feet, and the flame from the well rises 40 feet, the driller reported.

The Cato Oil Company is headed by Dr. Joe Shuffield, Little Rock, president; John R. Riley, Little Rock, vice president; Mr. Harrell, with Sam Atkinson of Mount Vernon, and Tom E. Digby of North Little Rock as directors. Stockholders include Dallas Herndon, L. E. Moore and E. F. Czichos, all of Little Rock.

It was estimated that a 15-mile pipeline from the field to Little Rock would cost from \$50,000 to \$60,000.

The rate charged by the Arkansas-Louisiana Gas Company now is 55 cents per 1,000 feet. The company also has an optional rate, \$1.50 for the first 1,000 feet, 55 cents for the next 2,000 feet, 40 cents for the next 7,000 feet and 30 cents for all over 10,000 feet.



## Mr. Curran Doubts Field Can Furnish Adequate Supply.

R. W. Curran, Arkansas manager of the Arkansas-Louisiana company, said last night he knew of the option and the Little Rock group which secured it, but he said he doubted if the field ever would produce the 100,000,000 feet a month required for Little Rock. Since Mr. McMillan would not reveal their names, Mr. Curran said he did not believe he was privileged to do so.

## All But Two Shuler Tests Now In

8-13-39

Special to the Gazette.

El Dorado, Aug. 12.—Completion of the Lion Oil Refining Company's Clay No. 3 in Shuler field this week reduced the number of drilling wells in the prolific area to two.

The Clay test, located 660 feet west, 330 feet north of the southeast corner of the southeast quarter of the southwest quarter of section 12-18-18, was completed Wednesday in the Jones sand and was pinched back to daily allowable from the sand yesterday. Brought in after being swabbed for several hours, the well cleaned itself quickly with flow and produced on a par with other Lion Jones sand wells, operators said. The test was perforated with 162 shots from 7,602 to 7,622 feet.

Lion's other drilling well in the Shuler field, the M. D. Justiss A-2, topped the Jones sand Thursday at 7,550 feet and started taking cores. Several other cores were taken yesterday, and production string was set this afternoon below 7,600 feet. The test probably will be perforated at that level by next week-end, officials said.

The second drilling well in Shuler is the Sewell No. 9, of the Phillips Petroleum Company, nearing pay sand at 6,500 feet. The test probably will be brought in within 10 days. It is in section 7-18-17.

### Deep Smackover Test Starts.

In the old Smackover field, Ouachita county, Louann area, the Lion Company is drilling below 3,000 feet on its Annie No. 1 in section 29-15-17. The test was spudded in early this week and set 10 3-4-inch casing at 816 feet before drilling ahead.

The Annie well is near shallow production in the Ouachita section of the Smackover field, but operators hope to reach deep production in Smackover lime stratum near 6,000 feet.

About 13 miles southeast of El Dorado the Lion is drilling ahead on the Hill No. 1, an old gasser, which will be deepened to about 4,000 feet. Several tests from 2,790 to 2,818 feet produced an oil odor. Operators now are drilling in Blossom sand. Operators said that better progress could be made by drilling straight through, eventually plugging back if necessary. The Hill is located on the southwest quarter of the northwest quarter of section 6-18-13.

In section 15-18-13, Union county the Arkansas Southern Oil Corporation is waiting on cement after setting four-inch casing on its G. G. Simmons A-3, at 2,529 feet.

Halverson, drilling the J. Moore No. 1, in the center of the southeast quarter of the southeast quarter of section 1-17-14, Rainbow field, is shut down to set 10 3-4-inch casing at 98 feet. Drilling probably will be resumed tomorrow or Monday. The test is near the Crain sand discovery in the center of the Rainbow field.

Joe Modisett, drilling the Union Sawmill Company No. 2 in the center of the southwest quarter of the southeast quarter of section 13-18-12, near New London, Union county, spudded in and is reported drilling below 400 feet. The deep test is being drilled by J. I. Roberts of Shreveport and El Dorado.

In section 4-16-15 Smackover field, the Lion Oil Refining Company is moving in tools to perforate at 7,235 feet on the G. P. Hayse A-9, a deepening project. The test is bottomed at 7,255 feet.

The Benedum and Trees McRae No. 2, in section 4-14-20, Nevada county, is pumping 35 barrels of oil and 100 barrels of salt water an hour.

J. R. Lockhart, drilling his Porter Jerry No. 2 in the northeast quarter of the southeast quarter of section 15-17-14, Rainbow field, is down to 3,000 feet and operators said the test will be drilled to the Crain sand. Several good cores have been taken above 3,000 feet, operators said.

### Sebersky Offset Test Planned.

M. L. Turner, Camden oil operators, announced that he will seek production between the old El Dorado test field and the Rainbow City area. He said that he has taken over the block of acreage held by Samuel Sebersky and associates and that he plans to drill immediately.

The well will be the Jerry No. 1, located near the center of the southwest quarter of section 21-17-14, about six miles east of El Dorado. It will be a northwest offset of the Sebersky well,

which broke a control valve and blew wild for 18 hours before sanding up. Turner will seek production from the same sand about 2,698 feet.

C. A. Kinard and associates announced that they will start operations soon on the J. C. Kelly No. 1 in section 9-17-14, Rainbow field. Mr. Kinard said that derrick had been erected and that rig will be moved in soon. The test will be in a tract of about 160 acres. Production surrounds the proposed test.

### Two Drill Permits Issued.

The Arkansas Oil and Gas Commission issued only two permits to drill this week. They went to:

Crestrock Oil Company, to drill the Emma Riley No. 1, located in section 9-16-15, Smackover field, two miles north of Norphlet.

East Texas Refinery Company and Erwin Leach, to drill the Robert Buchanan Estate No. 2, in section 19-16-23, in the Stamps-Lewisville field, Lafayette county.

Four permits to plug back and perforate in wells in the Smackover field were issued to the Phillips Petroleum Company, which apparently is seeking more production from oil wells in the Union and Ouachita county area.

The permits were issued for the M. Hardy No. 1, section 9-16-15, Union county; W. M. Scott No. 2, section 34-15-15, Ouachita county; J. W. Oscar No. 11, section 33-15-15, Ouachita county, and the Betty Joyce No. 7, section 33-15-15, Ouachita county. Permit to drill deeper as well as plug back was obtained for the Betty Joyce test.

## BOARD TO ACT ON CLOSING

## Oil Wells

8-13-39

Special to the Gazette.

El Dorado, Aug. 12.—The Arkansas Oil and Gas Commission will take no action on shutting down wells as a means of keeping up the price of crude oil until after the meeting of the Interstate Oil Compact Commission which has been called for Tuesday, Chairman O. C. Bailey said here tonight.

The Arkansas commission is awaiting developments in the crude oil market and in the price-cutting in other states before definite steps are taken, Mr. Bailey said. Arkansas will be represented at the interstate commission meeting, which will be held in Oklahoma City. Mr. Bailey said he hopes to attend the session.

### May Ask Co-Operation.

James H. Dugan, local royalty owner and member of the oil fraternity, at present in Shreveport, expressed the opinion that land and royalty owners of Arkansas will ask the Arkansas authorities to co-operate with other states in the movement to shut in flush oil fields for 3 days to prevent a collapse in crude oil prices.

Another oil operator, W. D. Wingfield, said that he believed Arkansas should do whatever is necessary to co-operate with other states to correct price drops and keep the crude oil price up to a good level. Although the companies which have cut their crude prices do not operate largely in this area, the drop in price will affect Arkansas companies in time, was the consensus among local operators.

El Dorado, Aug. 9.—The Lion Oil Refining Company completed its Clay No. 3, Jones sand test, in section 12-18-18, on the west edge of the Shuler field, today.

No estimate of the flow was made, as the well still is cleaning itself. It was brought in after swabbing. Operators said that the well probably would produce on a par with other Shuler Jones sand wells. The well was perforated with 162 shots from 7,602 to 7,622 feet.

### Second Well Tested.

Lion made a drill stem test this morning on the Hill No. 1 well in section 6-18-13, near the town of Lawson, about 13 miles southeast of El Dorado. The test was taken from the Graves stratum from 2,683 to 2,688 feet and in several minutes the well showed 100 feet of oil in the hole and developed 680 pounds of pressure.

The well is an old test being deepened from below 2,500 feet to approximately 4,000 feet. It was completed several years ago as a gasser. Preparations are being made for several more cores.

The Lion is slated to start coring soon at 7,504 feet on the M. D. Justiss A-2 in section 19-18-17, Shuler field, and has started setting surface casing on the Annie No. 1 in section 29-15-17, Ouachita county, a deep lime test.

### Hollensworth Test Surveyed.

In Columbia county near the Union county line, the J. H. Hollensworth No. 1 of the Twin City syndicate ran a Schlumberger test today. Results of the test will determine the necessity of other tests of upper sands, in which showings have been obtained.

Today's test followed failure to find production in the oolitic lime from 7,826 to 7,860 feet. Operators reported cores revealed sulphur water. Showings were obtained in cuttings from various depths in the well.

## FLUSH POOLS OF LION IN SHULER SECTOR FLOWING

## Chancellor Enjoins State Police.

Gazette 8-19-39

Special to the Gazette.

El Dorado, Aug. 18.—Lion Oil Refining Company's Jones sand wells in Shuler field flowed again tonight after a permanent injunction was issued in Second Division Chancery Court this afternoon, enjoining State Police from shutting down flush wells as ordered by the Arkansas Oil and Gas Commission Wednesday.

The suit, filed last midnight by Lion lawyers, was heard today by Chancellor W. A. Speer.

A platoon of State Police, headed by Supt. Gray Albright, shut down 52 of the Lion's Jones sand wells in Shuler and padlocked them last night.

Following Chancellor Speer's ruling today, oil commission engineers and Lion employees started opening the wells.

Under the chancellor's ruling which was agreed to by lawyers for both sides, the restraining order was made permanent. The Lion had asked for a temporary injunction.

## Commission Promptly Seeks Injunction of Its Own.

Less than three hours after the Lion company had obtained the injunction the Oil and Gas Commission filed a petition in Chancery Court asking that the Lion be enjoined from defying the commission's shut-down order.

Chancellor Speer indicated tonight that the time for hearing the complaint probably will be set in the morning.

The petition was filed as a cross-complaint to the suit filed yesterday by the Lion against the commission. The Lion's suit attacked the validity of the commission's general shut-down order.

Accompanying the cross-complaint was an answer to the original complaint filed by the Lion against the commission. The answer denies most of the allegations contained in the Lion's suit.

## Confiscation Attempt Charged By Lion Company Official.

T. M. Martin, executive vice president of the Lion Oil Refining Company, issued the following statement:

"The Chancery Court of Union county has today granted our company a permanent injunction against the Arkansas State Police, enjoining them from interfering with the operation of our wells in the Jones sand in the Shuler field. Wells closed by them will immediately be placed on production on the basis of the allowable set by the Arkansas Oil and Gas Commission for the period immediately prior to the shutdown order of August 16.

"All wells in the other flush pools have been shut in since yesterday morning, and will remain shut until the validity of the shutdown order is tested.

"It is our desire that those interested in this controversy understand that the action of reopening the wells on our part is taken only as a last resort to protect our property. The Jones sand of the Shuler field is what is known as a gas drive pool, having no effective water drive from the edge and bottom of the formation. On the high part of the structure, where the majority of our leases are situated, the bottom hole pressure of wells is in some cases as much as 650 pounds higher than such pressures in wells in the thin sand sections at the edges of the field. Were all wells in the Jones sand pool shut in for a sufficient length of time, large quantities of oil from the thick sand area would migrate across property lines to the edges of the field.

"We have 52 wells producing oil from the Jones sand, and under the circumstances we feel that the shutdown order, as applied to that pool, could result only in the confiscation of our property if we were forced to abide by it."

## State Police Accused Of Acting Without Legal Authority.

Lion's petition for an injunction charged the State Police and Superintendent Albright acted without authority of law and that in committing such acts, each of them (State Police) was trespassing upon property of plaintiff.

Chancellor Speer held that the State Police had no authority to shut down the wells without benefit of a writ obtained at a court hearing.

He said that Lion's action in defying the commission's ruling was taken "at its own peril" and that he could recognize "no other remedy for violation of a commission order except that found in Act 105 of 1939, the act creating the commission, a court order directing the violator to comply with mandates."

Jeff Davis, lawyer for the Lion, charged that the State Police had no authority to shut down the wells, contended that there was no criminal element in the act of keeping the wells open. Mr. Davis compared State Police action in moving in on the field to an officer's arrest in a private home without a warrant or writ.

## Commission Lawyer Accuses Company Officials.

J. M. Saye of Longview, Tex., one of the commission lawyers, contended that the Lion had attempted to pursue a collateral attack on the commission by suing before the original complaint questioning constitutionality of the August 16 mandate of the commission had been disposed of.

Mr. Saye charged that the Lion "openly" violated the law and was attempting to remove and obstruction (the State Police) so that it could continue to "violate" the law.

Mr. Saye contended that equity could not be obtained by a plaintiff who entered court with "soiled hands." This statement referred to a former contention that Lion was seeking relief so that it could violate the law again.

## Standard's Pumping Plant At De Queen to Reopen Today.

De Queen, Ark., Aug. 18 (AP).—The pumping plant of the Standard Pipeline Company, closed since last September, will reopen tomorrow and operate on a continuous seven-day week schedule, returning employees announced today. It takes crude from the Oklahoma Pipeline Company and pumps it to the Standard refinery at Baton Rouge.

The approximately 15 men employed were moving their families back to De Queen, indicating that the resumption of operations was not a temporary measure.

## Lion Loses Suit Against Oil Board

Gazette 8-23-39

Special to the Gazette.

El Dorado, Aug. 22.—Sustaining a cross-complaint filed against the Lion Oil Refining Company after it had sought an injunction against the Arkansas Oil and Gas Commission, Chancellor W. A. Speer ruled at noon today that an order issued by the commission August 16 shutting down all flush fields in Arkansas at 7 a. m. August 17, was valid as an emergency order.

The chancellor said that he could not go into the question as to whether an emergency actually existed at the time the order was issued.

He held that the commission was not unreasonable or arbitrary in ordering all flush pools in the state to be shut down to allow the commission to make bottom hole test and other tests in connection with waste in the fields.

He held that, according to evidence, an emergency existed on August 16 and the commission was justified in issuing its shutdown order to make a bottom hole pressure survey.

### Enjoined at Own Request.

Jeff Davis, chief attorney for the Lion, who had conducted the proceedings for his firm, requested that the Lion be enjoined from disposing of oil from its wells that it had run since its defiance of the Oil Commission order on the morning of August 17. Chancellor Speer allowed the injunction, which will remain in effect until after the pending case has been disposed of finally.

Mr. Davis said he will appeal to the Arkansas Supreme Court, but did not indicate when his appeal will be perfected.

### Lion Plans Appeal.

Following the order to shut down the fields, the Lion announced its intention of disregarding the mandate and filed suit in Chancery Court seeking to enjoin the commission from enforcing its order.

The Lion continued to operate its 52 Jones sand wells in the Shuler field until the wells were shut down Thursday night by Supt. Gray Albright and six state policemen.

The following day Lion began its legal fight by enjoining the State Police from keeping the wells shut down and immediately reopened the wells for production.

The commission filed an answer and cross-complaint to the Lion suit in the same court. Subsequently the Lion agreed to shut down its wells until 6 p. m. Monday pending decision of the court on the original complaint. Last night, with no decision reached, the Lion again agreed to keep its wells shut down until noon today.

### May Operate Morgan Wells.

In adhering to the court's holding that all Jones sand wells in Shuler field be shut down until after disposition of the present situation has been made, the Lion obtained the right to produce oil from its Morgan sand wells in Shuler which were not affected by the commission mandate.

Judge Speer based his decision generally on Section 17 of the oil and gas bill, which provides that not until a person or firm has exhausted his administrative remedy, as provided by the act, can a court review be sought and obtained. The judge held that the Lion company had not exhausted its administrative remedy in attempting to obtain a hearing before the commission.

Judge Speer ruled that the Lion had not presented sufficient evidence and proof to back up its contention of unconstitutionality of the commission mandate. He based this on Section 17 of the oil and gas law which provides that the burden of proof shall be upon the plaintiff, and all pertinent evidence with respect to the validity and reasonableness of the order of the commission complained of shall be admissible.

## Pressure In Most Closed Fields Higher

Gazette 8-26-39

Special to the Gazette.

El Dorado, Aug. 25.—Five of the six South Arkansas flush fields shut down August 17 by the Arkansas Gas and Oil Commission have shown a daily increase in bottom hole pressure, the commission reported today on the eve of a hearing at the courthouse here tomorrow, when a settlement of the shutdown controversy is expected.

The commission reported that the only decrease in pressure was recorded in the Buckner field of Columbia county, and the decrease there is slowing up. Officials said the decrease was one pound daily when the shutdown was ordered, while it now is four-tenths of a pound daily.

### Atlanta Has Highest Increase.

The Atlanta field in Columbia county has increased 60 pounds since the last check August 10. Daily increase in the field is 4.3 pounds. The field was closed seven days.

In the Magnolia field the increase in bottom hole pressure was 79 pounds since the last check, July 19. Pressure is rising 2.3 pounds daily.

Since last checks were taken in the Reynolds lime area of Union county's Shuler field on July 13, the pressure has increased 78 pounds, or a 2.3-pound daily increase.

Pressure in the Jones sand stratum of the Shuler field has increased two-tenths pound daily since the last check July 13.

Pressure in the Village field, Columbia county, has increased three-tenths pound daily since a check was made July 17.

### Allowables To Be Set Today.

Allowables for September and October will be set at tomorrow's hearing, and evidence on the ratable outlet for oil and gas from each of the controlled field in the state will be heard.

The commission also will hear evidence in a proposal that the state should set up a tendering system, such as is in force in Texas, and is used by the federal government.

Under this system a record must be kept and a report made on all oil produced in the state, from the time it is produced until it is consumed. Movements of each barrel of oil in every field can be traced at all times.

## Rainbow City Well Begins Swabbing

Gazette 8-27-39

Special to the Gazette.

El Dorado, Aug. 26.—Swabbing on the Porter Jerry No. 2 well of J. R. Lockhart, in Section 15-17-14, Rainbow City field, east of here, was halted late today when the plug gave way. A new plug is being inserted, and after new perforations are made, swabbing will be continued.

### Lion Plans New Test.

Having completed its M. D. Justiss A-2 in Section 19-18-17, last week, the Lion Oil Refining Company is waiting to move in rig on a new location, the J. H. Calloway No. 1 in Section 12-18-18.