

Five Different Lenses Producing at Schuler

New Arkansas Field Enigma to Oil Fraternity

1937
Shreveport Journal August 31

When the Lion Oil Co. took over the task of deepening the Phillips Petroleum Co.'s Edna Morgan A-1 well, section 18-18-17, in the Schuler, Ark., district, Union county, the result was the opening of a new producing area several miles west of the old El Dorado field.

Although the Schuler field has caused no sensation, it does present a rather unique as well as enigmatic picture to the oil industry. Since the Lion-Phillips well came in as a substantial producer on April 6 of this year, 12 other wells have been completed in this field and, strangely, production comes from five different horizons within an area about a mile square.

The lenticular horizons range from the 5,500 to 5,900-foot levels and because the various sands do not observe the conventional rules, the future of the field offers a puzzling problem. The sands show no uniformity of thickness nor of production. A good producer may be offset by a poor well at the same level. However, at a different level a good producer may be found.

The Schuler field now has an average daily production of around 7,000 barrels, and all of the pro-

ducers are located in sections 17, 18 and 19 of township 18, range 17 west of Union county. This is about 12 miles west of the old El Dorado field. It cannot be regarded as an extension of that field, however.

The Phillips Petroleum Co. began operations in the Schuler area in 1936 and began drilling the Morgan well. Later a deal was made by which the Lion Co. would drill the well deeper. The Phillips Co. retained an interest in the well.

The discovery well was completed at a depth of 5,559 feet, which is the shallowest production in the area. The deepest well is the E. M. Jones Marine No. 1, which is now drilling at 6,200 feet. The best wells have shown a production of around 2,000 barrels daily. The oil produced is about 45 specific gravity.

Five companies have production in the Schuler area. They are the Phillips Petroleum Co., two; Lion Oil Co., five; Alice Sidney Oil Co., one; Marine Oil Co., three; E. M. Jones, one. The Lion Co. is deepening one of its producers and the Phillips Petroleum Co. has two wells incomplete. No drilling has been started in the area in some time.

Another Boom Town Grows Up Around New Schuler Pool West of El Dorado

Shreveport Journal August 31, 1937

El Dorado, Ark.—Another boom town of the type that made Union county famous in 1921 is blossoming among the corn fields 14 miles southwest of here in the new Schuler producing area. August 31, 1937

Short order eating houses, tent bunkhouses, rough lumber residences of the two and three-room shotgun type and makeshift offices, dot the area adjacent to the new field where nearly two dozen active operations are under way.

New buildings—many of a permanent nature—are started daily where only a few months ago corn grew.

The little community was shaken from its lethargy early in April when the Lion Oil Refining Co. brought in its Morgan No. 1, section 18-18-17, the first deep producer in south Arkansas. Since then other producers have been developed.

Unlike Smackover, Norphlet, Griffin, Kenova and Louann, which mushroomed into small oil capitals in the old Smackover days, the Schuler field is not on a railroad. It is reached by highway. Heavy trucks and fleets of cars have gouged the highway into a typical boom road—rough, dusty and rutted.

One thing that will distinguish Schuler from its predecessor com-

munities is the presence of legal beer and the absence of gambling devices.

State, county and municipal police have removed the slot machines and punch boards usually to be found in oil field amusement places.

The workers take their beer over the counter without a sideways look for the law. In the old oil field days the roughnecks, riggers and truck drivers quenched their thirst with a home-brewed concoction known as "chock."

Schuler's rapid growth forced El Dorado to cancel its engagement as host to a state American Legion convention. El Dorado is the hub of the oil activities in this section and had to absorb the influx of boom followers.

Raulston No. 1 Completed For 65 Barrels an Hour.

11-26-38

Special to the Gazette. El Dorado, Nov. 25.—E. G. Bradham's Raulston No. 1, in Section 12-17-14 of the Rainbow City field, was completed for a producer early today. The well is in the northwest quarter of the southeast quarter.

Operators reported the well flowing 65 barrels an hour through a three-eighth-inch choke. Potential production of the well will be based on a five-hour test period. The well is making pipeline oil. Bradham said today he would move the rig at once to the location for his Raulston No. 2, in the southwest corner of the northeast quarter of the southeast quarter of Section 12-17-14.

In the Schuler area today, two tests reached the Jones stratum and probably will be ready for final testing next week. One is the Bank No. 1 in Section 12-18-18 and the other is the C. H. Murphy and associates Fee No. 1, in Section 13-18-18. Casing was being run in the Lion well today. Pipe was set in the Murphy well yesterday.

New Locations Made.

12-2-38

Special to the Gazette. El Dorado, Dec. 1.—Completion of two new wells in the Jones stratum of the Schuler field and staking of three new locations in that area were announced today.

The Fee No. 1 of C. H. Murphy and associates was brought in last night in Section 13-18-18. Flowing through a one-inch choke, it is reported producing at a rate of 117 barrels an hour.

The second producer was the Bank No. 1 of the Lion Oil Refining Company in the center of the north half of the southwest quarter of the southeast quarter of Section 12-18-18. The well is flowing 40 barrels an hour through a small choke.

The new locations are the C. H. Murphy and associates Fee No. 2 in the northeast corner of the southwest quarter of the northeast quarter of Section 13-18-18, on which Derrick is being erected; the Roberts and Murphy Leona No. 3 in the center of lot 6 of the southwest quarter of Section 7-18-17, and Phillips Petroleum Company's Sewell No. 9 in Section 7-18-17.

The new order allows 800 barrels daily from Jones sand wells for February, as compared with 400 in January. A new order for the Miller county extension of Rodessa also went into effect today. It boosts the allowable for the field from 10,329 to 15,000 barrels daily for February.

Interest Shown in Fohs Test Near El Dorado.

12-6-38

Special to the Gazette. El Dorado, Dec. 5.—Authentic sources reported tonight that the Fohs Oil Company was coring on a well about 15 miles southeast of El Dorado which, if brought in, may lead to a drilling campaign in that area. The well is located in Section 5-16-14. It was reported to be coring below 6,000 feet and preparing for drill stem test.

In Schuler field, west of here, the Lion Oil Refining Company is coring on its Marine No. 6 and Mayfield No. 7, while the Marine Oil Company is coring on its Callaway No. 1. The Lion Cecil No. 1, in Section 7-18-17, which was completed last night, was reported to be making 30 barrels an hour through a small choke. The Lion has set casing on its Nelson No. 4.

The Sam Richardson-Murphy well, in Section 7-17-13, is reported making 20 barrels an hour through a small choke. The well is an east extension: An offset 500 feet north of the Richardson-Murphy producer will be drilled by Shannon Goodwin and J. K. Markwick. The well is located in the southwest, northwest of Section 7-17-13.

J. R. Lockhart is coring below 2,960 feet in his test in the southwest-southeast of Section 12-17-14. W. R. Bradham is drilling below surface casing on a test, as are Zack Brooks and associates on their test in Section 7-17-13.

Lion Completes Its Nelson 4 In Schuler Field.

12-10-38

Special to the Gazette. El Dorado, Dec. 9.—The Lion Oil Refining Company's Nelson No. 4 in the Schuler field was completed today for a successful producer. The well is in the southwest corner of lot 5 in section 18-18-17. Operators estimated the flow at 60 to 70 barrels an hour.

Lions Oil Company Has Two New Producers in Schuler.

12-13-38

Special to the Gazette. El Dorado, Dec. 12.—The Lion Oil Refining Company completed two wells in the Jones stratum of the Schuler field today. They are Marine No. 6 in section 20-18-19, and the Dec No. 3, in section 17-18-17. Lion officials said both will be good producers.

The Lion Mayfield No. 7, in section 18-18-17, is waiting on cement at 7,725 feet, as is the Marine Oil Company's Calloway No. 3, in section 18-18-17.

The Murphy Land Company B3 of Jones, Murphy & Hurley, in section 13-18-18, is drilling below 7,500 feet. Testing is expected to get under way soon.

Schuler 'Royalty Oil' Price Cut From 85 to 69 Cents.

1-4-39

El Dorado, Ark., Jan. 3 (AP).—The Lion Oil Refining Company announced tonight it had reduced its price on "royalty oil" from the Schuler field to the scale paid by other companies. Lion officials said the scale was 69 cents a barrel and that until January 1 it had been paying 85 cents a barrel for royalty crude. They explained that the reduction on the first of the year was not a price cut on Schuler crude but only the posting of the accepted scale paid by other companies.

Miller No. 2 Completed in Lime In Schuler Field.

1-5-39

Special to the Gazette. El Dorado, Jan. 4.—The Miller No. 2 of the Phillips Petroleum Company was completed today in the lime formation of the Schuler field, west of El Dorado. It is in the center of the north half of the north half of the southwest quarter of Section 18-18-17. Flowing through a quarter-inch choke, the well made 276 barrels of crude oil in 19 3-4 hours.

The Phillips company started perforating today on the Brian No. 3 in Section 13-18-18, and is running casing in the Brian No. 2 on the same lease.

Phillips also is coring on the El Dorado No. 2 in Section 12-18-18, and the Sewell No. 8 in Section 7-18-17, and is preparing to core on the Sewell No. 6 in the same section. The Lion Oil Refining Company is coring on its Marcus No. 6 in Section 19-18-17.

Brain No. 3, Phillips Well, In; Second Completion of Week.

1-6-39

Special to the Gazette. El Dorado, Jan. 5.—The second Schuler producer of 1939 was recorded today when Phillips Petroleum Co. completed the Brain No. 3 in the center of the north half of the northwest southeast quarter of section 13-18-18, as a Jones sand well. It flowed 15 barrels an hour through 20-64 inch choke, with no water. Casing was perforated from 7,570 to 7,601 feet.

The other new producer was the Miller No. 2 of Phillips, a lime well, in

section 18-18-17, flowing about 18 barrels an hour.

Phillips has set seven-inch casing after running Schlumberger test in the Brain No. 2, in the center of the northeast southeast quarter of 13-18-18. The sand was cored from 7,570 to 7,649 and total depth is 7,700 feet. Phillips crews are coring at 7,606 on the H. P. Sewell No. 6 in 7-18-17, and are coring below 7,620 on the Sewell No. 8 in 7-18-17. On the Amanda No. 1 a fishing job still is delaying work at 6,747 feet. Phillips is drilling below 7,660 on the El Dorado No. 2 in 12-18-18.

Lion Oil Refining Company is coring below 7,675 in the big lime on the Carvus No. 6, section 18-18-17, and is ready to start coring at 7,560 on the Edna No. 3 in section 18-18-17.

Phillips has abandoned the J. E. Shatford No. 1 in section 17-18-17.

Shuler Field Drilling At Record Low

1-29-39

Special to the Gazette. El Dorado, Jan. 28.—Activities in the Schuler oil field west of El Dorado are at probably the lowest ebb since the field was opened up more than 18 months ago. Only four wells now are being drilled, although permits to drill have been issued for two more, one has made location to drill, and another is awaiting orders.

The only Schuler completion of the week was the Fee No. 2 of Charles H. Murphy and associates. The well, in the northwest quarter of the southwest quarter of northeast quarter of section 13-18-18, is flowing 25 barrels an hour through a 16-64th-inch choke.

The major completion in the state was the Gaddy No. 1 test of S. S. Alexander, a New York operator, in the Rainbow City shallow field, east of El Dorado. The well, in the northeast corner of the northwest quarter of the northwest quarter of section 13-17-14, ran 250 barrels of pipeline oil in five hours through a 28-64th-inch choke shortly after its completion from the Crain sand.

New Drilling Foreshadowed. Its completion is expected to presage much drilling in the vicinity of Rainbow's tested and untested areas, as it was brought in a half-mile southwest of proved production. The Rainbow field, discovered about 12 years ago, has been the scene of many spurts of activity. Several old wells have been plugged back to new producing levels and are performing satisfactorily. Known as an erratic field throughout its development, the new level also has registered several salt water wells.

The Gaddy has been watched closely by the oil fraternity, and other locations are expected to be announced soon. It was drilled by the J. R. Lockhart Drilling Company.

Scheduled for completion soon in the Schuler field is the Amanda No. 1 of the Phillips Petroleum Company, in the center of the south half of the northeast quarter of the southeast quarter of section 12-18-18. The test is drilling at 7,473 feet and coring will be started soon. The Amanda No. 2

of the Phillips was brought in last week.

J. C. Morgan No. 1 Nears Test. Another well nearing pay sand is the Jones, Murphy and Hurley's J. C. Morgan No. 1, in the southeast corner of the northeast quarter of the northwest quarter of section 13-18-18. The test is drilling below 7,006 feet.

Going down rapidly but still several thousand feet away from production is the Leona No. 3 of Roberts and Murphy, in the center of lot 6 in the southwest quarter of section 7-18-17. The well is drilling below 5,298 feet.

Two new permits to drill have been issued to the Sklar Oil Company of Shreveport, La., for the J. S. Murphy No. 10, 454 feet south, 178 feet east of the northwest corner of the west half of the southwest quarter of the northeast quarter of section 9-16-15, Union county, and to the Atlantic Refining Company for its A. S. Crisp No. 1, 652 feet east, 660 feet south of the northwest corner of the northwest quarter of the southeast quarter of section 23-17-20, Columbia county.

Logs were filed by the Lyons-Merritt Oil Company for the E. B. Mitchell No. 1, Miller county; the Lion Oil Refining Company for its Edna No. 3 and Marcus No. 6, Union county, and the Normandie Oil Company for its Levi Garrett No. 1, Columbia county.

The new tests in the Rainbow sector are rigging up. Zack Brooks is preparing to drill his Nash No. 2 in section 17-17-13, and Sebersky and associates are preparing to drill in section 21-17-14.

Shuler Field Holdings In Litigation

2-3-29

Special to the Gazette.

El Dorado, Feb. 2.—Valuable Shuler oil holdings of Jones, Murphy & Hurley became the subject of litigation here today with the filing in Chancery Court of a suit by W. D. Bennett, El Dorado geologist. Mr. Bennett contends that under an agreement between himself and the late Joe B. Hurley, he is entitled to a portion of the profits from leases held by Edwin M. Jones, trustee, for Jones, C. H. Murphy and the Joe B. Hurley estate.

The complaint, which names Jones and Murphy as defendants, alleges that the leases are on property in Sections 16, 17, 18, 19 and 21 of Township 18 south, range 17 west, and Sections 13 and 24 of township 18 south, range 18 west. In addition to specific tracts mentioned by the plaintiff, there are others which Bennett is not able to fully describe, his complaint says.

Bennett charges that prior to March 19, 1937, he and the late Mr. Hurley accumulated a block of oil and gas leases and that the leases were taken originally in the name of Edwin M. Jones, trustee, or were caused to be transferred to the name of Edwin M. Jones, trustee, and that Jones was to act in such matters as trustee for himself, C. H. Murphy, Joe B. Hurley and the plaintiff.

Tells of Trustee Agreement. The plaintiff contends that under the terms of the trust agreement, Bennett, together with Hurley, was "to have, hold, own and derive the profits from the sale and operation of said oil and gas leases to the extent of 25 per cent thereof, and that the remaining interest was to be held and owned jointly by the defendants, Murphy and Jones."

Bennett charges "that on or about March 19, 1937, Hurley declared, fixed and transferred to Bennett an undivided 7 1-2 per cent of the 25 per cent beneficial interest in and to the said oil and gas leases."

Since that time, he declares, Jones and Murphy have refused to recognize and have denied beneficial ownership of the plaintiff and have refused to acquit the plaintiff with the number of wells drilled on the litigated holdings. He contends also that the defendants have refused to pay or account to him the amount to which he is entitled.

The geologist asks judgment for the division to which he claims he is entitled and seeks the appointment of a master by the court to oversee his interests.

Only One Well Drilling In Schuler Field

Feb. 5-39

Special to the Gazette.

El Dorado, Feb. 4.—Schuler field activity this week dwindled to drilling operations on one well, the Leona No. 3 of Roberts & Murphy. Located in the center of lot 6 in the southwest quarter of Section 7-18-17, the well is drilling at 6,025 feet, still considerable distance from pay sand.

Three other wells in the Schuler field which have drilled nearly to production sand have been shut down to await orders. The Phillips Amanda No. 1 in the center of the south half of the northeast quarter of the southeast quarter of Section 12-18-18, set seven-inch casing several days ago but no reports of final testing have been made. It was reported that the drilling crew would be resumed in several days.

After being drilled to 7,445 feet the J. C. Morgan No. 1 well of Jones, Murphy & Hurley has been shut down pending further orders. The J. C. Morgan No. 2 well of the same concern also has been shut down at 6,885 feet. Although Jones, Murphy & Hurley have had permits to drill Morgan wells Nos. 3 and 4, no moves have been made to make locations.

The Phillips Petroleum Company made location several weeks ago in Section 7-18-17 of the Schuler field to drill the Sewell No. 9, but has not announced erection of derrick.

The Lion Oil Refining Company's Henry No. 2 in Section 12-18-18, which has been awaiting orders for the past few weeks, is reported moving in equipment. Location was made several days ago.

Joe Modisette, El Dorado operator, is moving in on a location in section 14-23-2E, several miles southeast of Junction City in Louisiana. The latter test is being drilled for the Standard Oil Company of Louisiana.

Rainbow Field Claims Interest.

Interest has been shifted to the Rainbow City area east of here, where S. S. Alexander of New York obtained a good producer in his Gaddy No. 1 test in Section 13-17-14. Mr. Alexander has announced that he will drill three additional tests on the 80-acre tract on which the Gaddy was completed. The Gaddy No. 1 is making about 13 barrels of crude oil an hour, with only slight showings of water. Oil men familiar with production in the Rainbow area said that the slight showings of water would make no difference in the potential production of the field. Many wells in that erratic area have produced showings of water for years, but it has not hurt the production.

Brooks & Associates are erecting derrick for the Nash No. 2 well in Section 7-17-13 of the Rainbow field.

Sebersky and others are expected to erect derrick and spud in soon on a test in Section 12-17-14 in Rainbow.

With Chal Daniel, veteran driller, in charge of operations, Shannon Goodwin is expected to begin drilling soon on the Union Saw Mill Fee test in the northwest northwest southeast of Section 9-17-13, Rainbow field. Mr. Goodwin said that he would drill 3,300 feet for the red bed production and is equipped to go deeper. Completion of the well would extend production two miles east of the field.

Shuler Field Drilling Back In Stride

Gazette 2-13-39

Special to the Gazette.

El Dorado, Feb. 11.—After several weeks of inactivity because of bad weather and tool trouble, the three wells in the Schuler area, west of El Dorado, have resumed drilling and the completion of a producer is expected soon.

The expectant producer is the J. C. Morgan No. 1 of Jones, Murphy and Hurley. Casing has been set at 7,650 feet and the test is due to be perforated at once. Encouraging cores were obtained from the well this week and a well of excellent production is expected. The test was held up several weeks because of tool and drilling breakdowns. The well is located in the southeast corner of the northeast quarter of the northwest quarter of section 13-18-18.

Amanda No. 1 Completed. Earlier in the week the Phillips Petroleum Company announced completion of its Amanda No. 1 in the center of the south half of the northwest quarter of the southeast quarter of section 12-18-18. Shortly after being shot in, the well was estimated to be capable of producing 15 to 20 barrels of crude oil an hour. It made 299 barrels on an 18 1-2 hour test run. The Amanda test was the first well completed in the Schuler area in several weeks.

After having ceased operations for at least two weeks, drilling crews on the J. C. Morgan No. 2 of Jones, Murphy and Hurley are coring. First cores were taken from between 7,660 and 7,670 feet, where four feet, 10 inches of red shale with specks of anhydrite were encountered in the top three feet. Two feet of gray shale were encountered next, followed by one and a half feet of hard, dense dolomitic sand. Crews are drilling ahead.

The Lion Oil Refining Company's Henry No. 2 in the north half of the southeast quarter of the northeast quarter of section 12-18-18, spudded in and set 16-inch casing. It is drilling below 330 feet.

The Leona No. 3 of Robert and Murphy, in the center of lot 6 in the southwest quarter of section 7-18-17, is drilling below 7,018 feet, still several hundred feet from pay sand.

The Phillips Petroleum Company, which obtained permit for its Sewell No. 9, has made location for the test 330 feet south, 330 feet east of lot No. 4 in the northwest quarter of section 7-18-17.

Operators of the Jones, Murphy and Hurley J. C. Morgan Nos. 3 and 4 have obtained permits to drill but have not made locations. The No. 3 test is in the south half of the southeast quarter of the northwest quarter of section 13-15-18, while the No. 4 is in the center of the north half of the northeast quarter of the northwest quarter of section 13-18-18.

Schuler Extensions Forecast.

Members of the oil fraternity said that additional drilling in the Schuler area would be opened up northwest of the present tested area.

In the Rainbow sector several organizations are going ahead with preparations to drill shallow tests. During the past few months considerable drilling has been under way in the Rainbow area. Although the successful wells have not produced a superabundance of crude, the flow has been consistent, and operators still consider activity in that area profitable.

Considers Development Of Oil Field

7-21-37

Special to the Gazette.

El Dorado, July 20.—Testimony of operators and land lease owners in the Miller county extension of the Rodessa field was presented to the Arkansas State Conservation Board in an open meeting here today to establish rules and regulations for the orderly development of the new oil field in Miller county.

Testimony of three witnesses was taken in the morning session and arguments of proponents for various phases and types of regulations were heard this afternoon. Following the open hearing the conservation board went into executive session and new rules for the field are expected to be announced, probably tomorrow.

Most of the testimony indicated that the rules most suitable to the majority of operators and lease owners are similar to rules in effect in the Rodessa field in Caddo parish of Louisiana. Proposed regulations similar to those in effect in the Texas and Louisiana sectors of the Rodessa field were presented to the board at a hearing held in Texarkana last month, but no action on the matter was taken at that time.

One Well to 40 Acres.

H. W. Bell, engineer for the Rodessa Operators Committee, testified that in his opinion the spacing program of one well to each 40 acres would insure the greatest ultimate production from the field with the least amount of waste.

T. W. Johnson, representative of the United Gas Company, introduced charts and graphs showing that an order of the Louisiana commission, issued January 1, 1937, reduced oil and gas waste in the Caddo parish sector of the field and expressed the belief that a similar rule adopted by the Arkansas commission likewise would reduce oil and gas waste in the new Miller county field. He was of the opinion that the same geological conditions exist in the Miller county area as in the Caddo parish area and the same rules would apply.

Casing Requirements.

A discussion of casing requirements for the new field took place with H. H. Harper, production superintendent of a company with production in Louisiana, on the stand. He declared that he was of the opinion that approximately 2,100 feet of nine and five-eighths inch casing should be set in the Miller county field, or an amount sufficient to have at least one joint of pipe set in the hard chalk formation.

Only about 30 persons attended the hearing, most of them being from Miller county.

O. C. Bailey, chairman, presided over the session. Other board members present were Walter L. Brown, R. J. Short and Ed Hollyfield of El Dorado and J. D. Reynolds of Camden. C. E. Harris is chief conservation agent for the department and secretary of the commission.

Good Oil Flow Comes From 'Big Lime'

Special to the Gazette. 10-22-37

El Dorado, Oct. 21.—Production in the oolitic lime or "big lime" in Union county became a reality today with completion of the Morgan A-1 test of the Lion Oil Refining Company in the Shuler area for a producer of from 1,000 to 1,200 barrels daily of high gravity oil and from 30,000,000 to 40,000,000 cubic feet of gas.

The test was completed after it had been washed for about two hours and had flowed under its own pressure in a short time. The well has not cleaned itself of washing water but it was estimated that its production would be 1,000 to 1,200 barrels of oil daily through a half-inch tubing choke.

The oil is of unusually high gravity, above 50, which brings a higher price than lower gravity oil.

After it had been allowed to flow for a short time, the well was placed on a 14-64 inch choke but no gauge of its production under that choke had been made.

The lime formation was topped at 7,608 feet and "played out" at 7,684 feet where casing was set with good oil and gas showings obtained in the cores with no drill stem tests made.

The casing was perforated at depths of 7,608 to 7,612, 7,616 to 7,618 and 7,630 to 7,633 feet. The well was washed through tubing and out the casing until it began flowing and then was reversed. Tubing pressure built up to 2,525 pounds and casing pressure of 850 pounds. A short time after flow started through the tubing, casing pressure was 925 pounds and tubing pressure of 2,350 pounds. After it flows through the tubing, the casing pressure is expected to build up to around 2,500 pounds.

Had Produced In Shallow Sand.

The new producer was the discovery well in the shallow sand at about 6,500 feet and produced in that sand for several months before operators decided to drill it to the lime formation.

The test is located in the center of lot one in the southwest quarter of section 18-18-17 and is the first test in the Shuler area to be drilled to the Oolitic lime formation. The test encountered 76 feet of the lime formation with strong showings of oil and gas from 7,608 to 7,684 feet after encountering 70 feet of oil saturated oil sand from 7,500 to 7,570 feet.

Lion Plans Another Test.

The Lion company obtained a permit for another test to be drilled in the area. The new test will be the Morgan B-3 test and will be located 100 feet west of the company's Morgan B-2 producer in the 6,500-foot sand. The new test will be 430 feet west and 330 feet south of the northeast corner of the northwest quarter of the southeast quarter of section 18-18-17.

Six Other Tests In Progress.

Six additional tests are being drilled to the new deep formation which was discovered by Jones, Murphy, and Hurley, in their Marine No. 1 producer which is producing 2,484 barrels daily from 7,554 to 7,574 feet in the deep oil sand.

The Alice Sidney Company is drilling below 7,475 feet in its D. S. and J. C. Morgan No. 2 test and the Phillips Petroleum Company is drilling below 6,425 feet in its Ed Gan No. 1 test, both located in Section 18-18-17. The Marine Oil Company is drilling below 1,000 feet in its Justiss No. 2 test in section 18-18-17.

Three tests are being drilled in Section 17-18-17, two by Jones, Murphy and Hurley, and one by the Lion company. The Lion started drilling this morning on its Marine No. 1 test, a west offset to the Jones et al producer. Jones et al are drilling below 3,616 feet on their Marine No. 2, north offset to the producer and are drilling below 1,706 feet on their Marine No. 4 test south of the producer.

In Section 18-16-14 northeast of El Dorado, W. D. Wingfield and associates started drilling this morning below 100 feet of surface casing in their Southern Kraft No. 2 test. The well, which is to be drilled to some shallow sands about 2,500 to 2,600 feet, is located in the southwest corner of the southwest quarter of the northeast quarter of the section.

Conservation Board To Hold Special Meeting Today.

A special meeting of the Arkansas State Board of Conservation will be held at its offices here at 10 o'clock tomorrow morning for the purpose of setting a production allowable for the new Rodessa north extension in Miller county "for November and thereafter."

O. C. Bailey, chairman, will preside. Other members are Robert Short, Ed Hollyfield and Walter Brown of El Dorado and J. D. Reynolds of Camden. C. E. Harris is chief conservation agent and secretary of the commission. It is expected that Lee J. Timberlake of Texarkana, special agent for Miller county, will attend.

It is reported here that some of the Miller county operators will appear before the board to protest the proposal for fixing an allowable for the Miller county field.

Special to the Gazette. 11-7-37

El Dorado, Nev. 6.—The Arkansas State Conservation Board has issued a permit to J. A. Cararas to drill the E. B. Mitchell No. 1 test on an eight-acre tract in the SW 1-4 (Southwest quarter) of the NW 1-4 (Northwest quarter) of the NW 1-4 (Northwest quarter) of Section 11-20-28, of Miller county.

E. H. R. Sabins and R. W. Newell applied to the board for permits to drill on two adjoining two-acre tracts located in the southeast corner of the NE 1-4 (northeast quarter) of the SE 1-4 (southeast quarter) of section 12-20-28 of Miller county. The board issued a joint permit to the two operators to drill one well on the 40-acre tract provided they reach an agreement on the drilling. Otherwise the permits will be denied.

Operators Continue Coring In Marine No. 2 Test.

Special to the Gazette. 11-18-37

El Dorado, Nov. 17.—After coring 50 feet of heavily saturated oil sand in the Jones sand from 7,580 to 7,630 feet, operators on the Marine No. 2 test of Jones, Murphy & Hurley today continued coring and are expected to encounter the big lime in a short time.

After reaming the hole down to 7,633 feet yesterday, operators last night drilled a short distance and cored to 7,655 feet this morning. The top of

the core showed two feet of gas sand, six feet of dark sand, four feet of white sand and three and a half feet of lime shale. The showing of lime shale indicated that the test is nearing the big lime.

Operators on the Gan No. 1 of the Phillips Company this morning resumed coring after being shut down yesterday because of bad weather. A core was taken from 7,623 to 7,636 feet with no showing obtained. The test encountered about 50 feet of the Jones sand, and now is being cored to the lime formation.

Coring Continues in Various Oil Drilling Operations.

Special to the Gazette. 11-19-37

El Dorado, Nov. 18.—Jones, Murphy & Hurley were reaming down to the bottom of the hole at 7,688 feet in their Marine No. 2 test in Section 17-18-17 today and will resume coring as soon as the reaming is completed. The last core from 7,672 to 7,688 feet showed porous oolitic lime in the bottom section. The lime was reported to have no odor.

The Phillips Petroleum Company was reaming down to 7,645 feet in the lime formation in its Ed Gan No. 1 test.

At Village in the eastern edge of Columbia county the Tidewater company was coring at a depth of 7,534 feet in its Crumpler No. 1 wildcat test in Section 24-17-19. The test was said to be coring in the Redbeds below the Jones sand.

On the western side of Columbia county the Standard Oil Company was reported washing its McKean No. 1 wildcat test in Section 8-16-22 after plugging back to a depth of about 7,250 feet.

State Pays Bonus for Well In Union County. Gazette 7-1-37

A \$1,000 bonus for the Lion Oil Refining Company for bringing in a commercial oil producer in a new area was ordered paid yesterday by Governor Bailey, Attorney General Jack Holt, State Geologist George C. Branner and Revenue Commissioner D. L. Ford. The application was filed by Col. T. H. Barton in behalf of the Lion Company and the Phillips Petroleum Company.

The bonus, authorized in a 1935 act, will be paid for the discovery well, Edna Morgan No. 1, in Section 18, Township 18 South, Range 17 West in Union county. The well was brought in April 5. The bonus will be paid from the severance tax revenue on oil production.

Morgan B-1 8,000-Barrel Producer Gazette 7-1-37

Special to the Gazette.

El Dorado, June 30.—Since its completion late yesterday when flow was estimated at 60 barrels an hour through a half-inch choke, the Morgan B-1 well of the Lion Oil Refining Company in Section 18-18-17 in the Shuler area, cleaned itself out and increased its production to 8,200 barrels of high gravity oil and 15,000,000 to 20,000,000 cubic feet of gas a day.

The well is the largest producer completed in Arkansas since the Rainbow City boom in 1928.

Fourth Producer.

The well, which is the fourth producer completed in the area and the second completed by the Lion company which drilled the discovery well, was washed in just before dark last night. Regulations of the state Conservation Department require that a well be completed in daylight hours. The well was the first in the area to be completed without being swabbed.

Pressure Readings Slated.

The well was shut in this morning so that pressure could be built up for bottom hole pressure readings. Experiments will be made on chokes varying from one-eighth to one-half-inch to determine the proper choke for the best gas-oil ratio. Flowing bottom hole pressure readings will be made to determine which choke is best to obtain the best production without interfering with bottom hole pressure.

On a quarter-inch choke the well produced 33 barrels of oil an hour and gas at the rate of 4,000,000 cubic feet a day. On a half-inch choke the well produced 86 barrels of oil an hour and gas at the rate of 9,000,000 cubic feet a day. On a two and a half-inch open tubing the well was rated as a producer of 8,200 barrels of oil and 5,000,000 to 20,000,000 cubic feet of gas a day. No salt water was indicated.

Third Test on Well.

The test yesterday was the third made on the well. The two previous tests showed salt water along with big oil production. The first was made at a depth of 5,797 to 5,827 feet and produced 70 barrels of oil and 30 barrels of water an hour before being closed in. The second test as made from 5,797 to 5,822 feet after the bottom five feet of the hole had been plugged off with cement. The test yesterday was made through perforated casing at 5,731 to 5,738 feet after the entire bottom section of the hole had been plugged off, a cement retainer set at 5,790 feet and a five-foot plug set at 5,780 to 5,785 feet.

Completion of the Lion well makes four producers in the area with 11 other wells drilling, three waiting for surface casing to set and three rigging up for drilling.

Morgan B-1 to Run 24-Hour Test on Three-Eighths Inch Choke

Special to the Gazette 7-2-37

El Dorado, July 1.—After a series of tests yesterday and last night to determine the most suitable choke to obtain the best gas-oil ratio production without disturbing bottom hole pressure, operators on the Morgan B-1 well of the Lion Oil Refining Company placed the well on a three-eighths inch choke this morning for a 24-hour production test.

The test was started at 8 and no report can be obtained until the end of the test.

Alice Sidney Expected to Drill Deeper Democrat 7-4-37 "Trace" in Powledge No. 1—Thirteen Shuler Wells Drilling.

El Dorado.—A showing of gas and oil was obtained in a 15-foot core taken from 5,599 to 5,614 feet in the Powledge No. 1 test of the Alice Sidney Oil Company, in section 7-18-17, a north outpost test in the Shuler area, west of El Dorado.

The gas and oil showing was reported as a "trace" and operators are expected to continue coring operations to a deeper level.

The Powledge well is in the southwest corner of the southwest quarter of the section and is more than half a mile north of production in the area. Completion of the well for a big producer would result in considerable additional drilling in the northern section of the field. The oil and gas showing was said to have been obtained in the bottom of the core and operators were going back into the hole to cut another core.

The Alice Sidney well is checking a little lower than the discovery well and it is believed that the well is nearing the "pay" level. If further cores continue to show gas and oil it is expected that a drill stem test will be made in a few days.

Another test is nearing the interesting stage and is expected to start coring operations Sunday. It is the Marcus Justiss No. 1 of the Phillips Petroleum Company which today was drilling at a depth of 5,420 feet.

The Phillips well is a west offset to the Justiss No. 1 producer of the Marine Oil Company and is in the southwest corner of Lot Six in the northwest quarter of Section 18-18-17.

The Morgan B-1 producer of the Lion Company, which was completed earlier this week, produced 3066 barrels of oil and 3,100,000 cubic feet of gas on a quarter-inch choke. The Morgan A-1 of the same company produced 318 barrels of oil and about 500,000 cubic feet of gas on a one-inch choke.

The Justiss No. 1 producer of the Marine Company is producing 576 barrels of oil and about 1,000,000 cubic feet of gas a day on a 27-64-inch choke.

The D. S. and J. C. Morgan No. 1 well of the Alice Sidney Company is producing 504 barrels of oil and about 1,000,000 cubic feet of gas a day on a 27-64-inch choke.

In addition to the Alice Sidney well which is coring, there are 13 other tests in the area that are drilling and four that are rigging up and will be drilling in a few days.

Saturday's drilling report follows: Lion, Morgan B-2, NW SE 18-18-17, drilling below 4,885 feet; Lion, Morgan A-2, SW 1-4 18-18-17, drilling below 4,105 feet; Lion, Morgan A-3, Lot 1 SW 14 1818177, moving in rig; Lion, Justiss A1 NE 1-4 18-18-17, drilling at 3,300 feet.

Alice Sidney, Powledge No. 1, SE 1-4 7-18-17, coring 5,614, shale with showing of gas and oil; Alice Sidney D. S. and J. C. Morgan No. 2, SE 1-4 18-18-17, drilling below 3,950 feet.

Phillips, Marcus Justiss No. 1, lot 6 NW 1-4 18-18-177, drilling below 5,420 feet; Phillips, T. P. Marks No. 1, lot 2 SW 1-4 18-18-17, drilling below 4,806 feet; Phillips, Ed Gann No. 1, NE 1-4 18-18-17, drilling at 2,301 feet; Phillips, Louis Rosen No. 1, NE 14 18-18-17, drilling at 2,946 feet.

Jones et al. Murphy Land Company A-1, NE 1-4 19-1817, drilling below 4,545 feet; Jones et al. C. H. Murphy No. 1, lot 6 NW 1-4, 19-18-17, drilling at 2,333 feet; Jones et al. Murphy Land Company B-1, NE 1-4, 13-18-18, drilling at 2,447 feet; Jones et al. Katherine Gallagher No. 1, Lot 4, NW 1-4 19-18-17, moving rig; Jones et al. Marine Oil Co. No. 1, SE 1-4 17-18-17, moving rig.

Marine, Fee No. 1, SW 1-4 17-18-17, drilling at 3,995 feet; Marine, E. M. Jones No. 1, SW 1-4 17-18-17, drilling at 1,050 feet.

Magic of Oil Thrills New Life Into Almost Forgotten Village of Schuler in Manner Recalling Smackover Boom

By BRICE WORTHINGTON, JR.
Gazette 7-6-37
Soon Arkansas will have one more town.

No, that isn't the statement of a sorcerer, nor is it a wild guess. It is only a matter of a short time before Schuler, Ark., becomes a thriving young city.

Why? That's just a peculiar thing about oil. Its discovery in a new section seems to be magnetic in attraction. When it is found in a district it beckons thousands of people.

Back in 1921 few knew of a town named Smackover. It was only a tiny settlement. In 1922 Smackover was a thriving little city. Today, while not buzzing as it did at the height of its oil activity, it still thrives.

The development of Schuler tells much the same story. However, Schuler almost faded off the map until the first producer came in. The Lion Oil Company brought in the first Schuler well on Mrs. Edna Morgan's property three months ago.

Schuler is located approximately 15 miles out of El Dorado on U. S. highway 82, which goes through Magnolia. Actually, the town, now in its embryonic stage, is a few miles off the federal highway. A gravel road leads from the paved highway to the town site and the oil fields being developed today.

Many Wells Started.
An entirely new body of oil was found in the Schuler field. Since the Lion Oil Company brought in the first producer, three more have come in, and numerous other wells have been started.

The most recent well, Lion's Morgan B-1, came in last week, making 8,000 barrels a day. This well was brought in once, but great quantities of salt water in the oil prompted drillers to plug the casing and perforate it at a higher level.

The oil strata is relatively deep. Drillers have found it necessary to go down more than a mile to reach this oil-bearing sand.

The discovery of oil in the Schuler area did not exactly mean the development of a new town. It meant the rebirth of an old one. Once a small settlement was at Schuler, and there was a postoffice. However, the community was practically unpopulated when the first producer was brought in.

The development of Schuler seems to be the only "promotional angle" in the set-up at the oil field. It is being directed by M. L. Dudley of Magnolia, and is being handled in a manner similar to the development of a new addition in an already established city.

Citizens are being "advertised for." Scattered about the oil area are signboards urging oil workers to settle at the coming town.

Spelled Two Ways.
It may be noted that there is uncertainty as to the proper spelling of the town's name. Apparently the promoter's haste prevented his checking up on the spelling.

If the town is to be named after the old one, as realtors originally planned, it is supposed to be spelled "Schuler." State maps list the town with the "c."

It is reported that the old community was named after its first postmaster—the late Jacob Schuler. Schuler's descendants own considerable property around El Dorado, but, unfortunately, they do not possess an inch of property in the oil-rich section bearing their name.

Vagueness as to the correct spelling of "Schuler" has led to inconsistency on the signboards, in newspaper articles on the district and in common reference to the town. Signs advertising the town site even spell the name both ways.

Newspaper reporters spell the name both ways, too. It has been spelled "Schuler" and "Shuler" interchangeably in the same news article, this writer has observed.

Bright Prospects for Field.

According to geologists, the Schuler oil field, which undoubtedly produces the richest oil in Arkansas today, has excellent possibilities. It is predicted that the field covers an area of more than 10,000 acres.

Geologists say that the area includes between 17 and 21 sections.

Independent companies seem to have a monopoly on the oil leases in this field. Each concern is said to be able to develop its holdings.

Six independent companies hold leases on the area believed to be in the strata of oil. They are Lion Oil Company, responsible for making the first producer; Marine, Phillips, Alice Sidney and Hunt Oil Com-

panies and the E. M. Jones Company.

The Schuler oil is valued at approximately \$1.35 per barrel. It is regarded as Arkansas's richest oil due to its high gasoline content. It has a higher than average specific gravity.

While the specific gravity of average oil stands between 34 and 36, the Schuler oil has a gravity of 43 and better. Oil from the Lion Morgan B-1 well tests a specific gravity of nearly 47.

Chief transactions taking place in the Schuler district now consist of selling portions of the land-owners' royalty rights. Speculators from Arkansas and all surrounding states are clamoring for shares of the rights.

El Dorado is beginning to realize the excitement from the Schuler field. Real estate is at a premium in that city and an extensive building program is in prospect.

Boom by This Fall?

The town site of Schuler is registered under the name of Mrs. L. Lewis, and buildings are being hurriedly constructed to care for the new "residents" and workers coming to the oil fields each day.

Schuler, only a few buildings today, is expected to be quite large by the time the boom actually is in effect. This, it is believed, will be in the early fall, it has been predicted.

Prices on land now range around \$1.50 and \$2 per square foot.

Workmen toil daily in developing the streets and grounds for the buildings, and carpenters go from one construction job to another. Many business houses already have been completed and others are going up.

The competition in Schuler is keen already. To date there are three rival lumber concerns setting up yards in the town, and the six cold drink and eat stands are realizing the advent of new rivals each day.

Hotel Is Planned.

Plans are being made for the construction of a hotel to compete with the farm houses which have been converted into "boarding houses." The great numbers of workmen pouring into the oil district each day tend to hurry up development for accommodating them.

The oil men proceed with their work in an unconcerned manner. No doubts exist in their minds as to the immediate future of the oil field. It seems almost a certain success.

With drilling permits granted each day, and with a fair percentage of the prospective wells producing within the coming months, doubtlessly there will be others to follow.

In each of the oil-bearing sections, it is expected that between 60 and 70 wells will be drilled. Considering that approximately 20 sections (and possibly more) will be thoroughly drilled, with an estimated \$50,000 being spent on each well, it is more than probable that hordes of oil-crazy people will scurry to the town of Schuler.

Just as Smackover "grew overnight," Schuler is destined to develop from a quiet farming community to a "red hot" oil town within a few months.

This isn't a prediction—it's oil!

Three Shuler Tests Coring In Deep Sand

Special to the Gazette. 7-8-37

El Dorado, July 7.—Coring operations were being continued today on three tests in the Shuler area west of El Dorado with interest centering on the Powledge No. 1 test of the Alice Sidney Oil Company which was reported to be coring below 5,700 feet.

Two cores were taken from 5,675 to 5,688 feet last night, and this morning from 5,688 to 5,706 feet. In the top core a six-inch sand with a showing of gas and oil was obtained. In the bottom core gray and red shale were obtained.

Powledge Test Checking Low.

The Powledge test is reported to be checking low with the discovery well to the south, and it is expected that the producing sand will be encountered soon.

The test, a north outpost, is more than half a mile from production, and completion of a producer would result in additional drilling in the northern part of the field.

Phillips Coring.

The Phillips Petroleum Company was coring at 5,607 feet today in sand and shale in its Marcus Justiss No. 1 test, a west offset to the producer of the Marine Oil Company. The Marine well is producing from below 5,600 feet.

The other test in the area that is coring is the Morgan B-2 well of the Lion Oil Refining Company which today was coring in sand and shale at 5,541 feet.

The drill stem was still stuck at 5,361 feet in the T. P. Marks No. 1 test of the Phillips company, in Section 18-18-17. Drilling below surface casing was resumed this morning by the Lion company on the Morgan A-3 test in Section 18-18-17. Jones, Murphy & Hurley started drilling operations today on their Katherine Gallagher No. 1 test in

Ten Wells in Shuler Below 3,000 Feet Democrat 7-11-37

Four Coring as Week Ends, With Prospect New Producer Soon.

El Dorado.—Coring operations are going ahead on four tests in the Shuler area, west of El Dorado, with showings of oil and gas reported in three of them in the top gas sand, while the fourth is coring for the lower gas sand.

Interest centers in the Murphy Company A-1 of Jones, Murphy and Hurley, a south outpost test in Section 19-18-17, which obtained an odor of gas and oil in a core Friday afternoon at 5,515 feet. Sand and shale were reported shown in a core from 5,515 to 5,533 feet. Another core was to have been taken.

The Murphy well is reported to be checking about 10 feet lower than the discovery well, half a mile to the north, and it is believed that the well is nearing the producing level.

Operators on the Morgan B-2 of the Lion Oil Refining Company, which made a good showing of oil and gas in a drill stem test at 5,555 to 5,580, were coring ahead. The last core, from 5,580 to 5,595 feet, was made in sand and shale with a showing of gas and oil. Coring operations were to be continued. The well is a west offset to the producer of the Alice Sidney Company, in Section 18-18-17.

Coring operations were continued on the Justiss No. 1 of the Phillips Petroleum Company at 5,719 feet in gray shale. A trace of oil and gas was shown in a core at 5,590 feet, but it was not tested. After a few more cores, drilling was resumed at 5,705 feet, and coring continued at that depth. The test is a west offset to the producer of the Marine Oil Company.

Operators on the Powledge No. 1 of the Alice Sidney Company, a north outpost, in Section 7-18-17, were coring ahead at 5,769 feet. The test failed to encounter the top sand but it was expected that the lower sand will be encountered in a short time.

Other operations in the field follow:

Lion, Morgan A-2, Lot 1, sw 18-18-17, drilling below 5,405 feet.

Lion, Morgan A-3, Lot 1, sw 18-18-17, drilling below 3,080 feet.

Lion, Justiss A-1, ne 19-18-17, drilling at 4,665 feet.

Alice Sidney, D. S. and J. C. Morgan No. 2, se 18-18-17, drilling below 5,222 feet.

Phillips, T. P. Marks No. 1, Lot 2, sw 18-18-17, drilling below 5,301 feet; drill stem stuck.

Phillips, Ed Gann No. 1, ne 18-18-17, drilling at 3,925 feet.

Phillips, Louis Rosen No. 1, ne 18-18-17, drilling at 4,780 feet.

Jones et al., C. H. Murphy No. 1, Lot 6, nw 19-18-17, drilling at 4,220 feet.

Jones et al., Murphy Land Company B-1, ne 13-18-18, drilling at 4,856 feet.

Jones et al., Katherine Gallagher No. 1, Lot 4, nw 19-18-17, set 811 feet surface casing.

Jones et al., Marine Oil Co. No. 1, se 17-18-17, moving rig.

Marine, Fee No. 1, sw 17-18-17, drilling at 5,325 feet.

Marine Oil Company, E. M. Jones No. 1, sw 17-18-17, drilling at 4,005 feet.

Lion's Morgan B-1, se 18-18-17, producing 200 barrels oil, 5,000,000 cubic feet gas, daily, on 1-4-inch choke at 5,731-38 feet.

Alice Sidney, D. S. and J. C. Morgan No. 1, se 18-18-17, producing 504 barrels on 27-64-inch choke.

Lion's Morgan A-1, Lot 1, sw 18-18-17, producing 318 barrels oil, 1,500,000 cubic feet gas, daily, at 4,556 to 5,559 feet through one-inch choke.

Marine, Justiss No. 1, Lot 7, nw 18-18-17, producing 575 barrels oil and 1,000,000 cubic feet gas at 5,605 feet through 27-64-inch choke.

Fourth Shuler Well Reaches Coring Stage Democrat 7-11-37

El Dorado.—Another well has started coring for the deep sand in the Shuler field, making four tests that are now searching for the formation below 5,500 feet, from which four producers have been completed.

The latest test to reach the coring stage is the Murphy Land Company No. 1 of Eddie Jones, C. H. Murphy and Joe Hurley in Section 19-18-17, a south outpost test. The first core was taken below 5,480 feet. As these operators neared the final stage on this test they prepared to set surface casing in the Katherine Gallagher No. 1 in Section 19-18-17.

Coring operations were resumed by the Lion Oil Refining Company after reaming down at 5,555 feet in the Morgan B-2 well in Section 18-18-17. It is an offset to the producing well of the Alice-Sidney Oil Company.

The Phillips Petroleum is continuing to take cores below 5,621 feet in the Marcus Justiss No. 1, a west offset to the Marine Oil Company's producer in Section 18-18-17. The crew is expected to encounter the producing formation within a short time.

The Alice-Sidney Oil Company is coring again on the Powledge No. 1 in Section 7-18-17, a north outpost test, after being temporarily shut down because of a breakdown of an air jammer. New equipment was installed and work resumed. The well is now below the depth at which production was hit in the Lion discovery well, but the operators are hopeful of picking up the sand from which the second Lion producer was completed.

Drillers Core Seven Oil Wells In Shuler Area Democrat 7-13-37

Many Companies Expecting Producers From Deep Sand.

El Dorado — Coring is in progress in seven wells in the Shuler area, four down nearing the pay sands, and other three just now starting coring operations.

Drill stem tests have been made on at least two of the wells with slight showings of oil and gas, and there have been small showings in cores taken from some of the other tests.

The Alice-Sidney Oil Company is continuing to take cores at a depth of 5,820 feet in the Powledge No. 1, in section 7-18-17. A showing of oil, water and mud was obtained in a drill stem test of a formation from 5,803 to 5,820 feet. The same company has started taking cores at a depth of 5,510 feet in the Morgan No. 2 in section 18-18-17.

The Lion Oil Refining Company is coring at 5,636 feet on the Morgan B-2 in section 18-18-17, after slight showings in drill stem tests. The same company is coring at 5,564 feet on the Morgan A-2 in section 18-18-17.

Taking of cores continues on the Marcus Justiss No. 1 of the Phillips Petroleum Company in section 18-18-17 at a depth of 5,731 feet.

A showing of oil and gas was reported in a core taken from the Murphy Land Company No. 1 of Jones, Murphy and Hurley in section 19-18-17, a south outpost test. A core was taken from the well from 5,579 to 5,589 feet, and it is understood that

additional cores will be taken. The newest test to start coring is the Marine Fee No. 1 of the Marine Oil Company in section 17-18-17, which is at a depth of 5,510 feet, a slight distance above where the first sand was encountered in that area.

Wildcat Test Planned.
Mena—Plans for drilling a wildcat test well to determine the possibilities of oil production in Polk county were announced yesterday with the return of W. M. Blair, former resident of southern Polk county, who now lives at Whittier, Calif.

After a year on the west coast Mr. Blair has returned to the Ouachita highlands to exploit leases which he took in Ozark township last summer. Interest in the oil possibilities of the south part of the county have been revived with Blair's announcement that a meeting of land owners who had given leases would be held this week.

Mr. Blair has under lease approximately 6,000 acres located south and east of Wickes. California oil interests will furnish the drilling equipment for the Polk county test, Mr. Blair said.

New Producer Is Heralded

Democrat 7-18-37

Oil Shoots Over Derrick as Test Made in Shuler Field.

El Dorado—A drill stem test taken Saturday afternoon on the Fee No. 1 of the Marine Oil Company, section 17-18-17, gave evidence of another good producer in the Shuler area of Union county, southwest of El Dorado, as oil shot over the derrick when a pipe broke down.

The test was made at a depth of 5,685 to 5,702 feet after a number of good cores were taken.

In 15 minutes oil filled 5,000 feet of pipe and then shot up over the derrick when the pipe was torn down but the flow was shut off.

The company expects to continue coring for a short time, plug back and complete the well.

Schuler Wells Make Showings

Democrat 7-25-37

Lion and Marine Wells Should Be Ready Soon for Final Test.

El Dorado—The Lion Oil Refining Co., Saturday morning obtained another good core in its Morgan Q-2 well, a south offset to the Marine producer, Schuler field, and is expected to make a drill stem test Sunday. Another core in the formation was to be taken Saturday night prior to the test Sunday.

The core Saturday morning was from a depth of 5,795 to 5,803 feet and operators were reaming down for another core.

The Marine Oil Company obtained a good oil showing in a drill stem test late Friday on its Jones No. 1 in section 17-18-17, after a showing was obtained in cores from 5,861 to 5,885 feet. The well flowed oil in ten minutes and there was no showing of salt water.

Casing was being set Saturday morning at a total depth of 5,814 feet in the Morgan B-2 of the Lion company, a west offset to the Alice Sidney producer, in section 18-18-17, following a good showing of oil in a drill stem test at 5,906 to 5,814 feet. Several other showings were obtained at higher levels in the formation. Officials have not as yet announced which sand will be perforated in final testing.

Casing has been set at 5,805 feet in the Fee No. 1 of the Marine Company, in section 17-18-17, following several good showings obtained in coring operations and drill stem test.

Final Tests For Four New Oil Wells

Special to the Gazette, 7-27-37
El Dorado, July 26.—Casing has been set for final testing on four more wells in the Shuler area west of El Dorado following good showings in drill stem tests and the four wells are expected to be completed for good producers within the next week.

Also the Lion Oil Refining Company and Jones, Murphy and Hurley obtained good oil showings in two wells being drilled in section 18-18-17. The Phillips Petroleum Company is reported

to have obtained pin point oil showings and slight saturations in cores in several of their tests in section 18-18-17.

Following a good showing in a drill stem test from 5,861 to 5,885 feet in the Edwin M. Jones No. 1 test in the southwest corner of the northwest quarter of the southwest quarter of section 17-18-17, the Marine Oil Company started running pipe in the hole for the setting of casing at a total depth of 5,960 feet.

Lion Gets Good Showing.
The Lion Oil Refining Company obtained a good oil showing Sunday in a drill stem test from 5,795 to 5,803 feet in its Morgan A-2 well, a south offset to the Marine producer in the northwest corner of lot one in the southwest quarter of section 18-18-17 today. The company is running pipe for setting of casing at a depth of 5,803 feet.

Last week-end the Lion company set casing at 5,814 feet in its Morgan B-2 well, a west offset to the Alice Sidney producer in the northeast corner of the northwest quarter of the southeast quarter of section 18-18-17 after a good showing in a drill stem test 5,806 to 5,814 feet.

Earlier last week the Marine company set casing at 5,801 feet in its Fee No. 1 test in the northwest corner of the southwest quarter of the southwest quarter of section 17-18-17 after a good showing in a drill stem test at 5,685 to 5,702 feet. Officials of the company announced this morning that casing probably will be perforated Tuesday and the well completed Wednesday.

Other Tests Make Showings.

The Phillips Petroleum Company has obtained pin point oil showings and slight oil saturations in three wells in section 18-18-17. A slight oil saturation was obtained in cores from 6,011 to 6,030 in the Marcus Justiss No. 1 test, a west offset to the Marine producer in the southeast corner of lot 6 in the southwest quarter of section 18-18-17. Pin point oil showings were obtained in cores from 5,584 to 5,608 feet in the Ed Gann No. 1, a north offset to the Alice Sidney producer in the southwest corner of the southeast quarter of the northeast quarter of section 19-18-17. A light saturation was also shown in cores from 5,735 to 5,744 feet in the Louis Rosen No. 1 in the southeast corner of the southwest corner of the northeast quarter of section 18-18-17.

The Lion company this morning made a drill stem test at a depth of 5,660 to 5,675 feet in its Justiss A-1 well in the northeast corner of the northwest quarter of the northeast quarter of section 18-18-17 and plans were made to resume coring operations.

Jones, Murphy and Hurley obtained a good showing in a drill stem test this morning at 5,880 to 5,910 feet in their Murphy Land Company A-1 test in the northwest corner of the northeast quarter of the northeast quarter of section 18-18-17 in which the well flowed oil in a 15-minute test.

The Phillips company has not made any drill stem tests. It is reported that the company plans to core through the formations and set casing at the bottom of the hole and perforate at the best level.

Shuler Field Scores Again With Gusher

Democrat 7-30-37

Lion's Morgan B-2, In Today, Second in Two Days.

El Dorado—Another big producer, the sixth for the area, was completed today in the Shuler field.

The new well was brought in by the Lion Oil Refining Co. in the completion of the Morgan B-2, in the northeast corner of the northwest quarter of the southeast quarter of section 18-18-17.

The well is reported flowing at the rate of 102 barrels an hour, or approximately 2,500 barrels daily. The flow is through a three-eighths-inch choke on tubing, and with the oil production there is a flow of about 2,000,000 cubic feet of gas per day.

The Morgan B-2 is producing from two levels, the casing having been perforated at from 5,760-74 feet and from 5,804-11 feet. The oil is of 39 gravity.

This is the second producer in two days for the Shuler field. The Marine Oil Company, having completed its Fee No. 1 in the northwest corner of the southwest quarter of the southwest quarter of section 17-18-17 yesterday.

The Marine well is flowing through a 44-64-inch choke at the rate of 45 barrels an hour.

Another Good Producer In Shuler Field

Special to the Gazette, 8-2-37

El Dorado, August 1.—The third big producer within four days was completed today in the Shuler deep field of Southwestern Union county and final preparation were made for bringing in another late today or Monday.

The latest well, which brings the total for the field to seven, is the Marine Company's Edwin M. Jones No. 1 in SW-NW-SW of section 17-18-17, another east outpost. Late today the producer was flowing 70 barrels per hour or about 1,600 barrels daily through a 27-64ths inch choke, with a large amount of gas. The pressure was strong, and officials were highly pleased with the performance. There was only a trace of drill water and the gravity is about 45 degrees, as in other wells in the area. Total depth of the well was 5,960 feet. The well is near the company's Fee No. 1 which was brought in last week, good for about 1,000 barrels daily.

Lion Oil Refining Company today perforated casing on the Edna Morgan A-2 well in NW corner, lot 1 SW section 18-18-17, and late this afternoon was preparing to wash in the well tonight or early Monday. Perforation was at 5,801 feet, where a good sand was encountered. Lion brought in its Edna Morgan B-2 NE-NW-SE of 18-18-17, flowing at the rate of 1,600 barrels of oil and 2,000,000 feet of gas daily.

The seven producing wells in Shuler, with today's added production, are now making a total of about 5,900 barrels of oil and more than 5 million feet of gas daily.

Another Lion Producer In Shuler Area

8-3-37

Special to the Gazette.

El Dorado, August 2.—Another producer in the Shuler area, the fourth for the Lion Oil Refining Company was completed this morning. It is good for about 60 barrels an hour. The test is the Morgan A-2 test located in the northwest corner of lot one in the southwest quarter of Section 18-18-17 a south offset to the Justiss No. 1 producer of the Marine Company.

Casing was perforated yesterday at a depth of 5,803 feet and the well washed in this morning. Gas is produced at a rate of 3,200,000 cubic feet a day. Casing pressure of the well was 2,025 pounds and tubing pressure was 1,540 feet.

Producer Turns Salty.

The Edwin M. Jones No. 1 test of the Marine Oil Company in the southwest quarter of the northwest quarter of the southwest quarter of Section 17-18-17 which was completed Sunday morning for a producer of 1,600 barrels of oil and about 2,000,000 cubic feet of gas per day through a 24-26 inch choke on the tubing, turned to salt water today after flowing yesterday and last night without more than a trace of salt water.

The well was completed at a total depth of 5,960 feet through perforations in the casing. It is expected that operators will case off the salt water and perforate the pipe at a higher level for another completion. The well is a north offset to the company's Fee No. 1 producer which was completed Friday for a 1,000-barrel producer with about 10 per cent water production. The Fee test is located in the northwest corner of the southwest quarter of the southwest quarter of Section 17-18-17.

Another Test Planned.

The Phillips Petroleum Company is preparing to set casing for final testing of its Marcus Justiss No. 1 test located in the southeast corner of lot six in the northwest quarter of section 18-18-17 a west offset to the Justiss No. 1 producer of the Marine company. Total depth of the well is 6,138 feet. Phillips has obtained several good showings in cores at various depths but no drill stem tests have been made.

Field Records Seventh Well Democrat 8-4-37

Marine's Jones No. 1 Is Latest at Shuler; Another Due Today.

El Dorado—Preparations were being made Monday to bring in another big producer in the Shuler deep field area of Union county after the third big well within four days was completed Sunday.

The well brought in Sunday rings the total for the field to seven. It is operated by the Marine Oil Company and known as the Edwin M. Jones No. 1, located in SW-NW-SW of section 17-18-17, another east outpost.

Its flow is 70 barrels per hour, or about 1,600 barrels daily, through a 27-64-inch choke. A large amount of gas is included in the flow.

In the meantime the Lion Oil Company perforated casing in the Edna Morgan A-2, and prepared to wash in the well Monday. Perforation was at 5,801 feet.

A total of 5,900 barrels of oil and more than five million feet of gas is being produced daily by the seven producing wells in the Shuler field.

Oil Produced After Water Flow Stops

8-4-37

Special to the Gazette.

El Dorado, Aug. 3.—The salt water flow in the Jones No. 1 test of the Marine Oil Company in Section 17-18-17 which turned to water after being completed for a good producer Sunday, has been stopped. It was reported from the Shuler area this morning and the well is producing oil again.

The well is located in the southwest corner of the northwest quarter of the southwest quarter of the section. It was completed for a producer of about 1,600 barrels of oil per day. Monday the flow stopped and the well began flowing salt water. The well was closed in and opened last night through the casing.

This morning the flow was reversed and the tubing opened. It was reported that the well was flowing from 60 to 90 barrels of oil per hour.

Morgan A-3 Shows.

The Lion Oil Refining Company obtained a good oil showing in a core bottomed at 5,781 feet in its Morgan A-3 test in the southeast corner of Lot 1 in the southwest quarter of Section 18-18-17 this morning. This is a west offset to its Morgan B-1 producer. Another core was taken this afternoon. The showing in the core, which was in the bottom producing sand, was of such a nature that operators planned to set casing without a drill stem test.

Lion was reported to have obtained a good showing in a three-foot core in the Justiss A-1 test in Section 18-18-17. Preparations were being made to make a drill stem test. The core was from 5,845 to 5,848 feet. The test is located in the northeast corner of the northwest quarter of the northeast quarter of the section.

Other Tests.

The Phillips Petroleum Company has set casing at a depth of 6,101 feet in its Marcus Justiss No. 1 test, a west offset to the Marine company's Justiss No. 1 producer, in the southeast corner of Lot 6 in the northwest quarter of Section 18-18-17. Bottom of the hole is at 6,138 feet. No drill stem tests were made but several good sands were reported to have been obtained in cores at various levels.

Jones, Murphy and Hurley were reported to have obtained several showings of oil and gas in cores from 5,582 to 5,636 feet in their Marine Oil Company No. 1 test in Section 17-18-17 but coring operations were continued below 5,636 feet without a drill stem test.

New Wells Continue Production.

The other three most recent producers in the area are continuing their production at an even trend. The Morgan B-2 well of the Lion company in Section 18-18-17 which was completed Saturday is producing at a rate of 1,706 barrels of oil and 2,000,000 cubic feet of gas per day through a 14-64 inch tubing choke from 5,760 to 5,774 and 5,804 to 5,811 feet. It is in the northeast corner of the northwest quarter of the southeast quarter of the section.

The Morgan A-2 well of the Lion, located in the northwest corner of Lot 1 in the southwest quarter of Section 18-18-17, completed yesterday is producing 1,159 barrels of oil and 4,000,000 cubic feet of gas through a 25-64 inch tubing choke at 5,795 to 5,803 feet.

The Fee No. 1 test of the Marine, completed Friday, is producing 1,000 barrels of oil and 3,000,000 cubic feet

of gas daily through a 24-64 inch tubing choke at 5,588 to 5,614 feet. The test is located in the northeast corner of the southwest quarter of the southwest quarter of Section 17-18-17.

Four other producers in the area, the Morgan A-1 and the Morgan B-1 of the Lion company, the Justiss No. 1 of the Marine company and the D. S. & J. C. Morgan No. 1 of the Alice Sidney Co., all in Section 18-18-17, are producing a total of 1,933 barrels of oil and about 4,500,000 cubic feet of gas daily.

Shuler Wells Hold Interest Democrat 8-4-37

Completion of Seventh Producer Focuses Attention on Field.

El Dorado—With completion Monday of another producer—the seventh for the field—and several other wells nearing interesting depths, this week promises to be an interesting one for field followers of the development activities in the Shuler deep sand area to the southwest of El Dorado.

The newest producer is the Morgan A-2 of the Lion Oil Refining Company in the northwest corner of lot 1 of the southwest quarter of section 18-18-17. Initial production from the well was 50 to 60 barrels an hour of oil and at the rate of 3,200,000 cubic feet of gas per day.

With four producers, one being the discovery well, the Lion company continues at work on two other tests at Shuler. A crew of the company is reaming down at a depth of 5,768 feet in the Morgan A-3 in the southeast corner of lot 1 of the southwest quarter of section 18-18-17, and the crew is coring at 5,832 feet in the Justiss A-1 in the northeast corner of the northwest quarter of the northeast quarter of section 19-18-17.

Probably the next well to be completed will be the Marcus Justiss No. 1 of the Phillips Petroleum Company in the southeast corner of lot 6 of the northwest quarter of section 18-18-17. The crew is now preparing to set casing at a depth of 6,138 feet for final testing. The Phillips is coring at 5,945 feet in the T. P. Marks No. 1 in the northeast corner of lot 2 of the southwest quarter of section 18-18-17, is coring at 5,760 feet in the Ed Gann No. 1 in the southwest corner of the southeast quarter of the northeast quarter of section 18-18-17, and is coring at 5,963 feet in the Louis Rosen No. 1 in the northeast quarter of section 18-18-17.

Eddie Jones and associates coring below 6,197 feet in the Murphy Land Company A-1 in the northwest corner of the northeast quarter of the northeast quarter of section 19-18-17, are drilling at 5,975 feet in the C. H. Murphy No. 1 in the northwest corner of lot 6 of the northwest quarter of section 19-18-17, drilling at 5,754 feet on the Katherine Gallagher No. 1 in the northeast corner of lot 4 of the northwest quarter of section 19-18-17, and drilling at 5,589 on the Marine Oil Company No. 1 in the northwest corner of the southwest quarter of the southeast quarter of section 17-18-17.

Plan Final Deep Tests On Wells

Special to the Gazette, 8-6-37

El Dorado, Aug. 5.—Operators today made plans to set casing for final testing of two additional wells in the new Shuler deep sand area of Union county, west of El Dorado.

The Alice Sidney company was preparing to set casing at about 6,200 feet in its D. S. and J. C. Morgan No. 2 test in the southeast corner of the northeast quarter of the southeast quarter of section 18-18-17. A slumberger test was run on the test last night before decision was made to set casing.

A good showing of oil was obtained in a drill stem test from 5,560 to 5,575 feet on the test last week. The test is a west off set to the Jones No. 1 well of the Marine company.

The Phillips Petroleum Company today was preparing to set casing for final testing of its Louis Rosen No. 1 test in section 18-18-17 at 6,069 feet. The test is located 330 feet from the south line and 1,650 feet from the east line of the northeast quarter of section 18-18-17. No drill stem tests of any formations were made by the Phillips company though it was reported that several good sands were encountered in coring operations. The test is a north offset to the Morgan B-2 well of the Lion company.

Phillips, T. P. Marks No. 1, Lot 2, SW 18-18-17, setting casing at 6,083 feet.

Phillips, Ed Gann No. 1, NE 18-18-17, drilling at 5,855 feet.

Phillips, Louis Rose No. 1, NE 18-18-17, preparing to set casing at 6,069 feet.

Jones et al. Murphy Land Company A-1, NE 19-18-17, slight show of oil in core at 5,910 to 5,927; core taken from 6,191 to 6,197 four feet hard sand, odor of gas, gray sandy shale; setting casing, 6,350 feet.

Jones et al. C. H. Murphy No. 1, Lot 6, NW 19-18-17; abandoned at 5,975 feet.

Jones et al. Murphy Land Company B-1, NE 13-18-18, pin point oil showing in core at 5,961 to 5,974; abandoned at 5,987 feet.

Jones et al. Katherine Gallagher No. 1, Lot 4, NW 19-18-17, abandoned at 5,878 feet.

Jones et al. Marine Oil Co. No. 1, SE 17-18-17, showing of oil and gas in cores from 5,528 to 5,636 feet; good oil showing in drill stem test at 5,751 feet.

Big Week in Shuler Field In Prospect

Democrat 8-5-37

Six Wells Due for Testing — Marine's Jones No. 1 Dead Again.

El Dorado—Final testing of six wells in the Shuler deep sand field of Union county, west of El Dorado, is scheduled the coming week, and three other tests in the area are nearing, or are coring in, the production formation.

To date there have been eight wells completed for producers, including one that Friday night stopped flowing, and operators are planning to swab it again through tubing. Four wells have been temporarily abandoned and permit has been issued for another test but operations have not been started.

The E. M. Jones No. 1 of the Marine Oil Company, in section 17-18-17, which has been producing about 50 barrels of oil per hour with about 20 per cent salt water, stopped flowing again and operators Saturday were rigging up a tubing swab, planning to make the well flow again.

The next completion in the area is expected to be the Marcus Justiss No. 1 of the Phillips Company, a west offset to the Justiss No. 1 producer of the Marine Company, in section 18-18-17, in which casing is set at 6,101 feet.

Other tests in which casing has been set are Morgan A3 of the Lion Company, a west offset to the Morgan B-1 of the same company, in section 18-18-17; the T. P. Marks No. 1 of the Phillips Company, a west offset to the Morgan A-2 of the Lion Company, in section 18-18-17; the Louis Rosen No. 1 of the Phillips Company, a north offset to the Lion's Morgan B-2 producer, in section 18-18-17; the D. S. and J. C. Morgan No. 2 of the Alice Sidney Company, a west offset to the Jones No. 1 of the Marine Company, in section 18-18-17; and the Murphy Land Company A-1 of Jones, Murphy and Hurley, a south outpost test in section 19-18-17.

The Lion Company has obtained several good showings in cores and drill stem tests in the Justiss No. 1, in section 19-18-17, and is expected to set casing in a few days.

Jones, Murphy and Hurley obtained a good showing of oil in a drill stem test at 5,751 feet in their Marine Oil Company No. 1, an east outpost in section 17-18-17.

The Phillips Company is drilling at 5,855 feet in its Ed Gann No. 1, a north offset to the Alice Sidney producer, in section 18-18-17.

The complete report on all wells in the field follows: Lion, Morgan B-2, SE 18-18-17, producing 1,685 barrels oil and 2,000,000 cubic feet gas daily, on 14-64-inch choke, at 5,760 to 5,774 and 5,804 to 5,811 feet.

Lion, Morgan A-2, Lot 1 SW 18-18-17; producing 1,454 barrels oil and 4,000,000 cubic feet gas daily, on 25-64-inch choke at 5,795 to 5,803 feet.

Lion, Morgan A-3, Lot 1, SW 18-18-17, good showing in cores from 5,781 to 5,806 feet; casing set at 5,797 feet.

Lion, Justiss A-1, NE 19-18-17, good showing in drill stem test at 5,660 to 5,675 feet; good showing in drill stem test at 5,764 feet; good showing in drill stem test at 5,848 to 5,858 feet; coring ahead below 5,934 feet.

Alice Sidney, Powledge No. 1, SE 7-18-17, abandoned at 6,005.

Alice Sidney, D. S. and J. C. Morgan No. 2, SE 18-18-17, good showing in drill stem test at 5,560 to 5,575 feet; casing set at 6,300 feet.

Phillips, Marcus Justiss No. 1, Lot 6, NW 18-18-17, waiting on casing at 6,101, total depth 6,138 feet.

Phillips, T. P. Marks No. 1, Lot 2, SW 18-18-17, setting casing at 6,083 feet.

Phillips, Ed Gann No. 1, NE 18-18-17, drilling at 5,855 feet.

Phillips, Louis Rose No. 1, NE 18-18-17, preparing to set casing at 6,069 feet.

Jones et al. Murphy Land Company A-1, NE 19-18-17, slight show of oil in core at 5,910 to 5,927; core taken from 6,191 to 6,197 four feet hard sand, odor of gas, gray sandy shale; setting casing, 6,350 feet.

Jones et al. C. H. Murphy No. 1, Lot 6, NW 19-18-17; abandoned at 5,975 feet.

Jones et al. Murphy Land Company B-1, NE 13-18-18, pin point oil showing in core at 5,961 to 5,974; abandoned at 5,987 feet.

Jones et al. Katherine Gallagher No. 1, Lot 4, NW 19-18-17, abandoned at 5,878 feet.

Jones et al. Marine Oil Co. No. 1, SE 17-18-17, showing of oil and gas in cores from 5,528 to 5,636 feet; good oil showing in drill stem test at 5,751 feet.

State Pays Bonus for Well in Union County. Gazette 7-1-37

A \$1,000 bonus for the Lion Oil Refining Company for bringing in a commercial oil producer in a new area was ordered paid yesterday by Governor Bailey, Attorney General Jack Holt, State Geologist George C. Branner and Revenue Commissioner D. L. Ford. The application was filed by Col. T. H. Barton in behalf of the Lion Company and the Phillips Petroleum Company.

The bonus, authorized in a 1935 act, will be paid for the discovery well, Edna Morgan No. 1, in Section 18, Township 18 South, Range 17 West in Union county. The well was brought in April 5. The bonus will be paid from the severance tax revenue on oil production.

Morgan B-1 8,000-Barrel Producer Gazette 7-1-37

Special to the Gazette.

El Dorado, June 30.—Since its completion late yesterday when flow was estimated at 60 barrels an hour through a half-inch choke, the Morgan B-1 well of the Lion Oil Refining Company in Section 18-18-17 in the Shuler area, cleaned itself out and increased its production to 8,200 barrels of high gravity oil and 15,000,000 cubic feet of gas a day.

The well is the largest producer completed in Arkansas since the Rainbow City boom in 1928.

Fourth Producer.

The well, which is the fourth producer completed in the area and the second completed by the Lion company which drilled the discovery well, was washed in just before dark last night. Regulations of the state Conservation Department require that a well be completed in daylight hours. The well was the first in the area to be completed without being swabbed.

Pressure Readings Slated.

The well was shut in this morning so that pressure could be built up for bottom hole pressure readings. Experiments will be made on chokes varying from one-eighth to one-half-inch to determine the proper choke for the best gas-oil ratio. Flowing bottom hole pressure readings will be made to determine which choke is best to obtain the best production without interfering with bottom hole pressure.

On a quarter-inch choke the well produced 33 barrels of oil an hour and gas at the rate of 4,000,000 cubic feet a day. On a half-inch choke the well produced 86 barrels of oil an hour and gas at the rate of 9,000,000 cubic feet a day. On a two and a half-inch opening tubing the well was rated as a producer of 8,200 barrels of oil and 5,000,000 to 20,000,000 cubic feet of gas a day. No salt water was indicated.

Third Test on Well.

The test yesterday was the third made on the well. The two previous tests showed salt water along with big oil production. The first was made at a depth of 5,797 to 5,827 feet and produced 70 barrels of oil and 30 barrels of water an hour before being closed in. The second test as made from 5,797 to 5,822 feet after the bottom five feet of the hole had been plugged off with cement. The test yesterday was made through perforated casing at 5,731 to 5,738 feet after the entire bottom section of the hole had been plugged off, a cement retainer set at 5,790 feet and a five-foot plug set at 5,780 to 5,785 feet.

Completion of the Lion well makes four producers in the area with 11 other wells drilling, three waiting for surface casing to set and three rigging up for drilling.

Morgan B-1 to Run 24-Hour Test on Three-Eighths Inch Choke

Special to the Gazette 7-2-37

El Dorado, July 1.—After a series of tests yesterday and last night to determine the most suitable choke to obtain the best gas-oil ratio production without disturbing bottom hole pressure, operators on the Morgan B-1 well of the Lion Oil Refining Company placed the well on a three-eighths inch choke this morning for a 24-hour production test.

The test was started at 8 and no report can be obtained until the end of the test.

Alice Sidney Expected to Drill Deeper Democrat 7-4-37 "Trace" in Powledge No. 1—Thirteen Shuler Wells Drilling.

El Dorado—A showing of gas and oil was obtained in a 15-foot core taken from 5,599 to 5,614 feet in the Powledge No. 1 test of the Alice Sidney Oil Company, in section 7-18-17, a north outpost test in the Shuler area, west of El Dorado.

The gas and oil showing was reported as a "trace" and operators are expected to continue coring operations to a deeper level.

The Powledge well is in the southwest corner of the southwest quarter of the section and is more than half a mile north of production in the area. Completion of the well for a big producer would result in considerable additional drilling in the northern section of the field. The oil and gas showing was said to have been obtained in the bottom of the core and operators were going back into the hole to cut another core.

The Alice Sidney well is checking a little lower than the discovery well and it is believed that the well is nearing the "pay" level. If further cores continue to show gas and oil it is expected that a drill stem test will be made in a few days.

Another test is nearing the interesting stage and is expected to start coring operations Sunday. It is the Marcus Justiss No. 1 of the Phillips Petroleum Company which today was drilling at a depth of 5,420 feet.

The Phillips well is a west offset to the Justiss No. 1 producer of the Marine Oil Company and is in the southwest corner of Lot Six in the

northwest quarter of Section 18-18-17.

The Morgan B-1 producer of the Lion Company, which was completed earlier this week, produced 3066 barrels of oil and 3,100,000 cubic feet of gas on a quarter-inch choke. The Morgan A-1 of the same company produced 318 barrels of oil and about 500,000 cubic feet of gas on a one-inch choke.

The Justiss No. 1 producer of the Marine Company producing 578 barrels of oil and about 1,000,000 cubic feet of gas a day on a 27-64-inch choke.

The D. S. and J. C. Morgan No. 1 well of the Alice Sidney Company is producing 504 barrels of oil and about 1,000,000 cubic feet of gas a day on a 27-64-inch choke.

In addition to the Alice Sidney well which is coring, there are 13 other tests in the area that are drilling and four that are rigging up and will be drilling in a few days.

Saturday's drilling report follows: Lion, Morgan B-Z, NW SE 18-18-17, drilling below 4,885 feet; Lion, Morgan A-Z, SW 1-4 18-18-17, drilling below 4,105 feet; Lion, Morgan A-3, Lot 1 SW 14 1818177, moving in rig; Lion, Justiss A1 NE 1-4 19-18-17, drilling at 3,300 feet.

Alice Sidney, Powledge No. 1, SE 1-4 7-18-17, coring 5,614, shale with showing of gas and oil; Alice Sidney D. S. and J. C. Morgan No. 2, SE 1-4 18-18-17, drilling below 3,950 feet.

Phillips, Marcus Justiss No. 1, lot 6 NW 1-4 18-18-17, drilling below 5,420 feet; Phillips, T. P. Marks No. 1, lot 2 SW 1-4 18-18-17, drilling below 4,806 feet; Phillips, Ed Gann No. 1, NE 1-4 18-18-17, drilling at 2,301 feet; Phillips, Louis Rosen No. 1, NE 14 18-18-17, drilling at 2,946 feet.

Jones et al. Murphy Land Company A-1, NE 1-4 19-1817, drilling below 4,545 feet; Jones et al. C. H. Murphy No. 1, lot 6 NW 1-4, 19-18-17, drilling at 2,333 feet; Jones et al. Murphy Land Company B-1, NE 1-4, 13-18-18, drilling at 2,447 feet; Jones et al. Katherine Gallagher No. 1, Lot 4, NW 1-4 19-18-17, moving rig; Jones et al. Marine Oil Co. No. 1, SE 1-4 17-18-17, moving rig.

Marine, Fee No. 1, SW 1-4 17-18-17, drilling at 3,995 feet; Marine, E. M. Jones No. 1, SW 1-4 17-18-17, drilling at 1,050 feet.

Magic of Oil Thrills New Life Into Almost Forgotten Village of Schuler in Manner Recalling Smackover Boom

By BRICE WORTHINGTON, JR.
Gazette 7-8-37
Soon Arkansas will have one more town.

No, that isn't the statement of a sorcerer, nor is it a wild guess. It is only a matter of a short time before Schuler, Ark., becomes a thriving young city.

Why? That's just a peculiar thing about oil. Its discovery in a new section seems to be magnetic in attraction. When it is found in a district it beckons thousands of people.

Back in 1921 few knew of a town named Smackover. It was only a tiny settlement. In 1922 Smackover was a thriving little city. Today, while not buzzing as it did at the height of its oil activity, it still thrives.

The development of Schuler tells much the same story. However, Schuler almost faded off the map until the first producer came in. The Lion Oil Company brought in the first Schuler well on Mrs. Edna Morgan's property three months ago.

Schuler is located approximately 15 miles out of El Dorado on U. S. highway 82, which goes through Magnolia. Actually, the town, now in its embryonic stage, is a few miles off the federal highway. A gravel road leads from the paved highway to the town site and the oil fields being developed today.

Many Wells Started. An entirely new body of oil was found in the Schuler field. Since the Lion Oil Company brought in the first producer, three more have come in, and numerous other wells have been started.

The most recent well, Lion's Morgan B-1, came in last week, making 8,000 barrels a day. This well was brought in once, but great quantities of salt water in the oil prompted drillers to plug the casing and perforate it at a higher level.

The oil strata is relatively deep. Drillers have found it necessary to go down more than a mile to reach this oil-bearing sand.

The discovery of oil in the Schuler area did not exactly mean the development of a new town. It meant the rebirth of an old one. Once a small settlement was at Schuler, and there was a postoffice. However, the community was practically unpopulated when the first producer was brought in.

The development of Schuler seems to be the only "promotional angle" in the set-up at the oil field. It is being directed by M. L. Dudney of Magnolia, and is being handled in a manner similar to the development of a new addition in an already established city.

Citizens are being "advertised for." Scattered about the oil area are signboards urging oil workers to settle at the coming town.

Spelled Two Ways. It may be noted that there is uncertainty as to the proper spelling of the town's name. Apparently the promoter's haste prevented his checking up on the spelling.

If the town is to be named after the old one, as realtors originally planned, it is supposed to be spelled "Schuler." State maps list the town with the "c."

It is reported that the old community was named after its first postmaster—the late Jacob Schuler. Schuler's descendants own considerable property around El Dorado, but, unfortunately, they do not possess an inch of property in the oil-rich section bearing their name.

Vagueness as to the correct spelling of "Schuler" has led to inconsistency on the signboards, in newspaper articles on the district and in common reference to the town. Signs advertising the town site even spell the name both ways.

Newspaper reporters spell the name both ways, too. It has been spelled "Schuler" and "Shuler" interchangeably in the same news article, this writer has observed.

Bright Prospects for Field.

According to geologists, the Schuler oil field, which undoubtedly produces the richest oil in Arkansas today, has excellent possibilities. It is predicted that the field covers an area of more than 10,000 acres.

Geologists say that the area includes between 17 and 21 sections. Independent companies seem to have a monopoly on the oil leases in this field. Each concern is said to be able to develop its holdings.

Six independent companies hold leases on the area believed to be in the strata of oil. They are Lion Oil Company, responsible for making the first producer; Marine, Phillips, Alice Sidney and Hunt Oil Com-

panies and the E. M. Jones Company.

The Schuler oil is valued at approximately \$1.35 per barrel. It is regarded as Arkansas's richest oil due to its high gasoline content. It has a higher than average specific gravity.

While the specific gravity of average oil stands between 34 and 36, the Schuler oil has a gravity of 43 and better. Oil from the Lion Morgan B-1 well tests a specific gravity of nearly 47.

Chief transactions taking place in the Schuler district now consist of selling portions of the land-owners' royalty rights. Speculators from Arkansas and all surrounding states are clamoring for shares of the rights.

El Dorado is beginning to realize the excitement from the Schuler field. Real estate is at a premium in that city and an extensive building program is in prospect.

Boom by This Fall?

The town site of Schuler is registered under the name of Mrs. L. Lewis, and buildings are being hurriedly constructed to care for the new "residents" and workers coming to the oil fields each day.

Schuler, only a few buildings today, is expected to be quite large by the time the boom actually is in effect. This, it is believed, will be in the early fall, it has been predicted.

Prices on land now range around \$1.50 and \$2 per square foot.

Workmen toil daily in developing the streets and grounds for the buildings, and carpenters go from one construction job to another. Many business houses already have been completed and others are going up.

The competition in Schuler is keen already. To date there are three rival lumber concerns setting up yards in the town, and the six cold drink and eat stands are realizing the advent of new rivals each day.

Hotel Is Planned.

Plans are being made for the construction of a hotel to compete with the farm houses which have been converted into "boarding houses." The great numbers of workmen pouring into the oil district each day tend to hurry up development for accommodating them.

The oil men proceed with their work in an unconcerned manner. No doubts exist in their minds as to the immediate future of the oil field. It seems almost a certain success.

With drilling permits granted each day, and with a fair percentage of the prospective wells producing within the coming months, doubtlessly there will be others to follow.

In each of the oil-bearing sections, it is expected that between 60 and 70 wells will be drilled. Considering that approximately 20 sections (and possibly more) will be thoroughly drilled, with an estimated \$50,000 being spent on each well, it is more than probable that hordes of oil-crazy people will scurry to the town of Schuler.

Just as Smackover "grew overnight," Schuler is destined to develop from a quiet farming community to a "red hot" oil town within a few months.

This isn't a prediction—it's oil!

Three Shuler Tests Coring In Deep Sand

Special to the Gazette. 7-8-37

El Dorado, July 7.—Coring operations were being continued today on three tests in the Shuler area west of El Dorado with interest centering on the Powledge No. 1 test of the Alice Sidney Oil Company which was reported to be coring below 5,700 feet.

Two cores were taken from 5,675 to 5,688 feet last night, and this morning from 5,688 to 5,706 feet. In the top core a six-inch sand with a showing of gas and oil was obtained. In the bottom core gray and red shale were obtained.

Powledge Test Checking Low.

The Powledge test is reported to be checking low with the discovery well to the south, and it is expected that the producing sand will be encountered soon.

The test, a north outpost, is more than half a mile from production, and completion of a producer would result in additional drilling in the northern part of the field.

Phillips Coring.

The Phillips Petroleum Company was coring at 5,607 feet today in sand and shale in its Marcus Justiss No. 1 test, a west offset to the producer of the Marine Oil Company. The Marine well is producing from below 5,600 feet.

The other test in the area that is coring is the Morgan B-2 well of the Lion Oil Refining Company which today was coring in sand and shale at 5,541 feet.

The drill stem was still stuck at 5,361 feet in the T. P. Marks No. 1 test of the Phillips company, in Section 18-18-17. Drilling below surface casing was resumed this morning by the Lion company on the Morgan A-3 test in Section 18-18-17. Jones, Murphy & Hurley started drilling operations today on their Katherine Gallagher No. 1 test in

Ten Wells in Shuler Below 3,000 Feet Democrat 7-11-37

Four Coring as Week Ends, With Prospect New Producer Soon.

El Dorado—Coring operations are going ahead on four tests in the Shuler area, west of El Dorado, with showings of oil and gas reported in three of them in the top gas sand, while the fourth is coring for the lower gas sand.

Interest centers in the Murphy Company A-1 of Jones, Murphy and Hurley, a south outpost test in Section 19-18-17, which obtained an odor of gas and oil in a core Friday afternoon at 5,515 feet. Sand and shale were reported shown in a core from 5,515 to 5,533 feet. Another core was to have been taken.

The Murphy well is reported to be checking about 10 feet lower than the discovery well, half a mile to the north, and it is believed that the well is nearing the producing level.

Operators on the Morgan B-2 of the Lion Oil Refining Company, which made a good showing of oil and gas in a drill stem test at 5,555 to 5,580, were coring ahead. The last core, from 5,580 to 5,595 feet, was made in sand and shale with a showing of gas and oil. Coring operations were to be continued. The well is a west offset to the producer of the Alice Sidney Company, in Section 18-18-17.

Coring operations were continued on the Justiss No. 1 of the Phillips Petroleum Company at 5,719 feet in gray shale. A trace of oil and gas was shown in a core at 5,590 feet, but it was not tested. After a few more cores, drilling was resumed to 5,705 feet, and coring continued at that depth. The test is a west offset to the producer of the Marine Oil Company.

Operators on the Powledge No. 1 of the Alice Sidney Company, a north outpost, in Section 7-18-17, were coring ahead at 5,769 feet. The test failed to encounter the top sand but it was expected that the lower sand will be encountered in a short time.

Other operations in the field follow:

Lion, Morgan A-2, Lot 1, sw 18-18-17, drilling below 5,405 feet.

Lion, Morgan A-3, Lot 1, sw 18-18-17, drilling below 3,080 feet.

Lion, Justiss A-1, ne 19-18-17, drilling at 4,665 feet.

Alice Sidney, D. S. and J. C. Morgan No. 2, se 18-18-17, drilling below 5,222 feet.

Phillips, T. P. Marks No. 1, Lot 2, sw 18-18-17, drilling below 5,301 feet; drill stem stuck.

Phillips, Ed Gann No. 1, ne 18-18-17, drilling at 3,925 feet.

Phillips, Louis Rosen No. 1, ne 18-18-17, drilling at 4,780 feet.

Jones et al., C. H. Murphy No. 1, Lot 6, nw 19-18-17, drilling at 4,220 feet.

Jones et al., Murphy Land Company B-1, ne 13-18-18, drilling at 4,856 feet.

Jones et al., Katherine Gallagher No. 1, Lot 4, nw 19-18-17, set 811 feet surface casing.

Jones et al., Marine Oil Co. No. 1, se 17-18-17, moving rig.

Marine, Fee No. 1, sw 17-18-17, drilling at 5,325 feet.

Marine Oil Company, E. M. Jones No. 1, sw 17-18-17, drilling at 4,005 feet.

Lion's Morgan B-1, se 18-18-17, producing 200 barrels oil, 5,000,000 cubic feet gas, daily, on 1-4-inch choke at 5,731-38 feet.

Alice Sidney, D. S. and J. C. Morgan No. 1, se 18-18-17, producing 504 barrels on 27-64-inch choke.

Lion's Morgan A-1, Lot 1, sw 18-18-17, producing 318 barrels oil, 1,500,000 cubic feet gas, daily, at 4,556 to 5,559 feet through one-inch choke.

Marine, Justiss No. 1, Lot 7, nw 18-18-17, producing 575 barrels oil and 1,000,000 cubic feet gas at 5,605 feet through 27-64-inch choke.

Fourth Shuler Well Reaches Coring Stage Democrat 7-11-37

El Dorado—Another well has started coring for the deep sand in the Shuler field, making four tests that are now searching for the formation below 5,500 feet, from which four producers have been completed.

The latest test to reach the coring stage is the Murphy Land Company No. 1 of Eddie Jones. C. H. Murphy and Joe Hurley in Section 19-18-17, a south outpost test. The first core was taken below 5,480 feet. As these operators neared the final stage on this test they prepared to set surface casing in the Katherine Gallagher No. 1 in Section 19-18-17.

Coring operations were resumed by the Lion Oil Refining Company after reaming down at 5,555 feet in the Morgan B-2 well in Section 18-18-17. It is an offset to the producing well of the Alice-Sidney Oil Company.

The Phillips Petroleum is continuing to take cores below 5,621 feet in the Marcus Justiss No. 1, a west offset to the Marine Oil Company's producer in Section 18-18-17. The crew is expected to encounter the producing formation within a short time.

The Alice-Sidney Oil Company is coring again on the Powledge No. 1 in Section 7-18-17, a north outpost test, after being temporarily shut down because of a breakdown of an air jammer. New equipment was installed and work resumed. The well is now below the depth at which production was hit in the Lion discovery well, but the operators are hopeful of picking up the sand from which the second Lion producer was completed.

Drillers Core Seven Oil Wells In Shuler Area Democrat 7-13-37

Many Companies Expecting Producers From Deep Sand.

El Dorado — Coring is in progress in seven wells in the Shuler area, four down nearing the pay sands, and other three just now starting coring operations.

Drill stem tests have been made on at least two of the wells with slight showings of oil and gas, and there have been small showings in cores taken from some of the other tests.

The Alice-Sidney Oil Company is continuing to take cores at a depth of 5,820 feet in the Powledge No. 1, in section 7-18-17. A showing of oil, water and mud was obtained in a drill stem test of a formation from 5,803 to 5,820 feet. The same company has started taking cores at a depth of 5,510 feet in the Morgan No. 2 in section 18-18-17.

The Lion Oil Refining Company is coring at 5,636 feet on the Morgan B-2 in section 18-18-17, after slight showings in drill stem tests. The same company is coring at 5,564 feet on the Morgan A-2 in section 18-18-17.

Taking of cores continues on the Marcus Justiss No. 1 of the Phillips Petroleum Company in section 18-18-17 at a depth of 5,731 feet.

A showing of oil and gas was reported in a core taken from the Murphy Land Company No. 1 of Jones, Murphy and Hurley in section 19-18-17, a south outpost test. A core was taken from the well from 5,579 to 5,589 feet, and it is understood that

additional cores will be taken. The newest test to start coring is the Marine Fee No. 1 of the Marine Oil Company in section 17-18-17, which is at a depth of 5,510 feet, a slight distance above where the first sand was encountered in that area.

Wildcat Test Planned.
Mena—Plans for drilling a wildcat test well to determine the possibilities of oil production in Polk county were announced yesterday with the return of W. M. Blair, former resident of southern Polk county, who now lives at Whittier, Calif.

After a year on the west coast Mr. Blair has returned to the Ouachita highlands to exploit leases which he took in Ozark township last summer. Interest in the oil possibilities of the south part of the county have been revived with Blair's announcement that a meeting of land owners who had given leases would be held this week.

Mr. Blair has under lease approximately 6,000 acres located south and east of Wickes. California oil interests will furnish the drilling equipment for the Polk county test, Mr. Blair said.

New Producer Is Heralded

Democrat 7-18-37

Oil Shoots Over Derrick as Test Made in Shuler Field.

El Dorado—A drill stem test taken Saturday afternoon on the Fee No. 1 of the Marine Oil Company, section 17-18-17, gave evidence of another good producer in the Shuler area of Union county, southwest of El Dorado, as oil shot over the derrick when a pipe broke down.

The test was made at a depth of 5,685 to 5,702 feet after a number of good cores were taken.

In 15 minutes oil filled 5,000 feet of pipe and then shot up over the derrick when the pipe was torn down but the flow was shut off.

The company expects to continue coring for a short time, plug back and complete the well.

Schuler Wells Make Showings

Democrat 7-25-37

Lion and Marine Wells Should Be Ready Soon for Final Test.

El Dorado—The Lion Oil Refining Co., Saturday morning obtained another good core in its Morgan Q-2 well, a south offset to the Marine producer, Schuler field, and is expected to make a drill stem test Sunday. Another core in the formation was to be taken Saturday night prior to the test Sunday.

The core Saturday morning was from a depth of 5,795 to 5,803 feet and operators were reaming down for another core.

The Marine Oil Company obtained a good oil showing in a drill stem test late Friday on its Jones No. 1 in section 17-18-17, after a showing was obtained in cores from 5,861 to 5,885 feet. The well flowed oil in ten minutes and there was no showing of salt water.

Casing was being set Saturday morning at a total depth of 5,814 feet in the Morgan B-2 of the Lion company, a west offset to the Alice Sidney producer, in section 18-18-17, following a good showing of oil in a drill stem test at 5,906 to 5,814 feet. Several other showings were obtained at higher levels in the formation. Officials have not as yet announced which sand will be perforated in final testing.

Casing has been set at 5,805 feet in the Fee No. 1 of the Marine Company, in section 17-18-17, following several good showings obtained in coring operations and drill stem test.

Final Tests For Four New Oil Wells

Special to the Gazette. 7-27-37

El Dorado, July 26.—Casing has been set for final testing on four more wells in the Shuler area west of El Dorado following good showings in drill stem tests and the four wells are expected to be completed for good producers within the next week.

Also the Lion Oil Refining Company and Jones, Murphy and Hurley obtained good oil showings in two wells being drilled in section 19-18-17. The Phillips Petroleum Company is reported

to have obtained pin point oil showings and slight saturations in cores in several of their tests in section 18-18-17.

Following a good showing in a drill stem test from 5,861 to 5,885 feet in the Edwin M. Jones No. 1 test in the southwest corner of the northwest quarter of the southwest quarter of section 17-18-17, the Marine Oil Company started running pipe in the hole for the setting of casing at a total depth of 5,960 feet.

Lion Gets Good Showing.
The Lion Oil Refining Company obtained a good oil showing Sunday in a drill stem test from 5,795 to 5,803 feet in its Morgan A-2 well, a south offset to the Marine producer in the northwest corner of lot one in the southwest quarter of section 18-18-17 today. The company is running pipe for setting of casing at a depth of 5,803 feet.

Last week-end the Lion company set casing at 5,814 feet in its Morgan B-2 well, a west offset to the Alice Sidney producer in the northeast corner of the northwest quarter of the southeast quarter of section 18-18-17 after a good showing in a drill stem test 5,806 to 5,814 feet.

Earlier last week the Marine company set casing at 5,801 feet in its Fee No. 1 test in the northwest corner of the southwest quarter of the southwest quarter of section 17-18-17 after a good showing in a drill stem test at 5,685 to 5,702 feet. Officials of the company announced this morning that casing probably will be perforated Tuesday and the well completed Wednesday.

Other Tests Make Showings.
The Phillips Petroleum Company has obtained pin point oil showings and slight oil saturations in three wells in section 18-18-17. A slight oil saturation was obtained in cores from 6,011 to 6,030 in the Marcus Justiss No. 1 test, a west offset to the Marine producer in the southeast corner of lot 6 in the southwest quarter of section 18-18-17. Pin point oil showings were obtained in cores from 5,584 to 5,608 feet in the Ed Gann No. 1, a north offset to the Alice Sidney producer in the southwest corner of the southeast quarter of the northeast quarter of section 19-18-17. A light saturation was also shown in cores from 5,735 to 5,744 feet in the Louis Rosen No. 1 in the southeast corner of the southwest corner of the northeast quarter of section 18-18-17.

The Lion company this morning made a drill stem test at a depth of 5,660 to 5,675 feet in its Justiss A-1 well in the northeast corner of the northwest quarter of the northeast quarter of section 18-18-17 and plans were made to resume coring operations. Jones, Murphy and Hurley obtained a good showing in a drill stem test this morning at 5,880 to 5,910 feet in their Murphy Land Company A-1 test in the northwest corner of the northeast quarter of the northeast quarter of section 19-18-17 in which the well flowed oil in a 15-minute test.

The Phillips company has not made any drill stem tests. It is reported that the company plans to core through the formations and set casing at the bottom of the hole and perforate at the best level.

Shuler Field Scores Again With Gusher

Democrat 7-30-37

Lion's Morgan B-2, In Today, Second in Two Days.

El Dorado—Another big producer, the sixth for the area, was completed today in the Shuler field.

The new well was brought in by the Lion Oil Refining Co. in the completion of the Morgan B-2, in the northeast corner of the northwest quarter of the southeast quarter of section 18-18-17.

The well is reported flowing at the rate of 102 barrels an hour, or approximately 2,500 barrels daily. The flow is through a three-eighths-inch choke on tubing, and with the oil production there is a flow of about 2,000,000 cubic feet of gas per day.

The Morgan B-2 is producing from two levels, the casing having been perforated at from 5,760-74 feet and from 5,804-11 feet. The oil is of 39 gravity.

This is the second producer in two days for the Shuler field. The Marine Oil Company, having completed its Fee No. 1 in the northwest corner of the southwest quarter of the southwest quarter of section 17-18-17 yesterday.

The Marine well is flowing through a 44-64-inch choke at the rate of 45 barrels an hour.

Another Good Field Records Producer In Seventh Well Democrat 8-4-37

Marine's Jones No. 1 Is Latest at Shuler; Another Due Today.

Special to the Gazette. 8-2-37
El Dorado, August 1.—The third big producer within four days was completed today in the Shuler deep field of southwestern Union county and final preparation were made for bringing in another late today or Monday.

The latest well, which brings the total for the field to seven, is the Marine Company's Edwin M. Jones No. 1 in SW-NW-SW of section 17-18-17, another east outpost. Late today the producer was flowing 70 barrels per hour or about 1,600 barrels daily through a 27-64ths inch choke, with a large amount of gas. The pressure was strong, and officials were highly pleased with the performance. There was only a trace of drill water and the gravity is about 45 degrees, as in other wells in the area. Total depth of the well was 5,960 feet. The well is near the company's Fee No. 1 which was brought in last week, good for about 1,000 barrels daily.

Lion Oil Refining Company today perforated casing on the Edna Morgan A-2 well in NW corner, lot 1 SW section 18-18-17, and late this afternoon was preparing to wash in the well tonight or early Monday. Perforation was at 5,801 feet, where a good sand was encountered. Lion brought in its Edna Morgan B-2 NE-NW-SE of 18-18-17, flowing at the rate of 1,600 barrels of oil and 2,000,000 feet of gas daily.

The seven producing wells in Shuler, with today's added production, are now making a total of about 5,900 barrels of oil and more than 5 million feet of gas daily.

Another Lion Producer In Shuler Area Democrat 8-3-37

Special to the Gazette.

El Dorado, August 2.—Another producer in the Shuler area, the fourth for the Lion Oil Refining Company was completed this morning. It is good for about 60 barrels an hour. The test is the Morgan A-2 test located in the northwest corner of lot one in the southwest quarter of Section 18-18-17 a south offset to the Justiss No. 1 producer of the Marine Company.

Casing was perforated yesterday at a depth of 5,803 feet and the well washed in this morning. Gas is produced at a rate of 3,200,000 cubic feet a day. Casing pressure of the well was 2,025 pounds and tubing pressure was 1,540 feet.

Producer Turns Salty.
The Edwin M. Jones No. 1 test of the Marine Oil Company in the southwest quarter of the northwest quarter of the southwest quarter of Section 17-18-17 which was completed Sunday morning for a producer of 1,600 barrels of oil and about 2,000,000 cubic feet of gas per day through a 24-26 inch choke on the tubing, turned to salt water today after flowing yesterday and last night without more than a trace of salt water.

The well was completed at a total depth of 5,960 feet through perforations in the casing. It is expected that operators will case off the salt water and perforate the pipe at a higher level for another completion. The well is a north offset to the company's Fee No. 1 producer which was completed Friday for a 1,000-barrel producer with about 10 per cent water production. The Fee test is located in the northwest corner of the southwest quarter of the southwest quarter of Section 17-18-17.

Another Test Planned.
The Phillips Petroleum Company is preparing to set casing for final testing of its Marcus Justiss No. 1 test located in the southeast corner of lot six in the northwest quarter of section 18-18-17 a west offset to the Justiss No. 1 producer of the Marine company. Total depth of the well is 6,138 feet. Phillips has obtained several good showings in cores at various depths but no drill stem tests have been made.

Field Records Seventh Well Democrat 8-4-37

El Dorado—Preparations were being made Monday to bring in another big producer in the Shuler deep field area of Union county after the third big well within four days was completed Sunday.

The well brought in Sunday rings the total for the field to seven. It is operated by the Marine Oil Company and known as the Edwin M. Jones No. 1, located in SW-NW-SW of section 17-18-17, another east outpost.

Its flow is 70 barrels per hour, or about 1,600 barrels daily, through a 27-64-inch choke. A large amount of gas is included in the flow.

In the meantime the Lion Oil Company perforated casing in the Edna Morgan A-2, and prepared to wash in the well Monday. Perforation was at 5,801 feet.

A total of 5,900 barrels of oil and more than five million feet of gas is being produced daily by the seven producing wells in the Shuler field.

Oil Produced After Water Flow Stops Democrat 8-4-37

Special to the Gazette.

El Dorado, Aug. 3.—The salt water flow in the Jones No. 1 test of the Marine Oil Company in Section 17-18-17 which turned to water after being completed for a good producer Sunday, has been stopped. It was reported from the Shuler area this morning and the well is producing oil again.

The well is located in the southwest corner of the northwest quarter of the southwest quarter of the section. It was completed for a producer of about 1,600 barrels of oil per day. Monday the flow stopped and the well began flowing salt water. The well was closed in and opened last night through the casing.

This morning the flow was reversed and the tubing opened. It was reported that the well was flowing from 60 to 90 barrels of oil per hour.

Morgan A-3 Shows.
The Lion Oil Refining Company obtained a good oil showing in a core bottomed at 5,781 feet in its Morgan A-3 test in the southeast corner of Lot 1 in the southwest quarter of Section 18-18-17 this morning. This is a west offset to its Morgan B-1 producer. Another core was taken this afternoon. The showing in the core, which was in the bottom producing sand, was of such a nature that operators planned to set casing without a drill stem test.

Lion was reported to have obtained a good showing in a three-foot core in the Justiss A-1 test in Section 19-18-17. Preparations were being made to make a drill stem test. The core was from 5,845 to 5,848 feet. The test is located in the northeast corner of the northwest quarter of the northeast quarter of the section.

Other Tests.
The Phillips Petroleum Company has set casing at a depth of 6,101 feet in its Marcus Justiss No. 1 test, a west offset to the Marine company's Justiss No. 1 producer, in the southeast corner of Lot 6 in the northwest quarter of Section 18-18-17. Bottom of the hole is at 6,138 feet. No drill stem tests were made but several good sands were reported to have been obtained in cores at various levels.

Jones, Murphy & Hurley were reported to have obtained several showings of oil and gas in cores from 5,582 to 5,636 feet in their Marine Oil Company No. 1 test in Section 17-18-17 but coring operations were continued below 5,636 feet without a drill stem test.

New Wells Continue Production.
The other three most recent producers in the area are continuing their production at an even trend. The Morgan B-2 well of the Lion company in Section 18-18-17 which was completed Saturday is producing at a rate of 1,706 barrels of oil and 2,000,000 cubic feet of gas per day through a 14-64 inch tubing choke from 5,760 to 5,774 and 5,804 to 5,811 feet. It is in the northeast corner of the northwest quarter of the southeast quarter of the section.

The Morgan A-2 well of the Lion, located in the northwest corner of Lot 1 in the southwest quarter of Section 18-18-17, completed yesterday is producing 1,159 barrels of oil and 4,000,000 cubic feet of gas through a 25-64 inch tubing choke at 5,795 to 5,803 feet. The Fee No. 1 test of the Marine, completed Friday, is producing 1,000 barrels of oil and 3,000,000 cubic feet

of gas daily through a 24-64 inch tubing choke at 5,588 to 5,614 feet. The test is located in the northeast corner of the southwest quarter of the southwest quarter of Section 17-18-17.

Four other producers in the area, the Morgan A-1 and the Morgan B-1 of the Lion company, the Justiss No. 1 of the Marine company and the D. S. & J. C. Morgan No. 1 of the Alice Sidney Co., all in Section 18-18-17, are producing a total of 1,933 barrels of oil and about 4,500,000 cubic feet of gas daily.

Shuler Wells Hold Interest Democrat 8-4-37

Completion of Seventh Producer Focuses Attention on Field.

El Dorado—With completion Monday of another producer—the seventh for the field—and several other wells nearing interesting depths, this week promises to be an interesting one for field followers of the development activities in the Shuler deep sand area to the southwest of El Dorado.

The newest producer is the Morgan A-2 of the Lion Oil Refining Company in the northwest corner of lot 1 of the southwest quarter of section 18-18-17. Initial production from the well was 50 to 60 barrels an hour of oil and at the rate of 3,200,000 cubic feet of gas per day.

With four producers, one being the discovery well, the Lion company continues at work on two other tests at Shuler. A crew of the company is reaming down at a depth of 5,768 feet in the Morgan A-3 in the southeast corner of lot 1 of the southwest quarter of section 18-18-17, and the crew is coring at 5,832 feet in the Justiss A-1 in the northeast corner of the northwest quarter of the northeast quarter of section 19-18-17.

Probably the next well to be completed will be the Marcus Justiss No. 1 of the Phillips Petroleum Company in the southeast corner of lot 6 of the northwest quarter of section 18-18-17. The crew is now preparing to set casing at a depth of 6,138 feet for final testing. The Phillips is coring at 5,945 feet in the T. P. Marks No. 1 in the northeast corner of lot 2 of the southwest quarter of section 18-18-17, is coring at 5,760 feet in the Ed Gann No. 1 in the southwest corner of the southeast quarter of the northeast quarter of section 18-18-17, and is coring at 5,963 feet in the Louis Rosen No. 1 in the northeast quarter of section 18-18-17.

Eddie Jones and associates coring below 6,197 feet in the Murphy Land Company A-1 in the northwest corner of the northeast quarter of the northeast quarter of section 19-18-17, are drilling at 5,975 feet in the C. H. Murphy No. 1 in the northwest corner of lot 6 of the northwest quarter of section 19-18-17, drilling at 5,754 feet on the Katherine Gallagher No. 1 in the northeast corner of lot 4 of the northwest quarter of section 19-18-17, and drilling at 5,589 on the Marine Oil Company No. 1 in the northwest corner of the southwest quarter of the southeast quarter of section 17-18-17.

Plan Final Deep Tests On Wells

Special to the Gazette. 8-6-37

El Dorado, Aug. 5.—Operators today made plans to set casing for final testing of two additional wells in the new Shuler deep sand area of Union county, west of El Dorado.

The Alice Sidney company was preparing to set casing at about 6,200 feet in its D. S. and J. C. Morgan No. 2 test in the southeast corner of the northeast quarter of the southeast quarter of section 18-18-17. A slumberger test was run on the test last night before decision was made to set casing. A good showing of oil was obtained in a drill stem test from 5,560 to 5,575 feet on the test last week. The test is a west off set to the Jones No. 1 well of the Marine company.

The Phillips Petroleum Company today was preparing to set casing for final testing of its Louis Rosen No. 1 test in section 18-18-17 at 6,069 feet. The test is located 330 feet from the south line and 1,650 feet from the east line of the northeast quarter of section 18-18-17. No drill stem tests of any formations were made by the Phillips company though it was reported that several good sands were encountered in coring operations. The test is a north offset to the Morgan B-2 well of the Lion company.

Jones et al. Murphy Land Company A-1, NE 19-18-17, slight show of oil in core at 5,910 to 5,927; core taken from 6,191 to 6,197 four feet hard sand, odor of gas, gray sandy shale; setting casing, 6,350 feet. Jones et al. C. H. Murphy No. 1, Lot 6, NW 19-18-17; abandoned at 5,975 feet. Jones et al. Murphy Land Company B-1, NE 13-18-18, pin point oil showing in core at 5,961 to 5,974; abandoned at 5,987 feet. Jones et al. Katherine Gallagher No. 1, Lot 4, NW 19-18-17, abandoned at 5,878 feet. Jones et al. Marine Oil Co. No. 1, SE 17-18-17, showing of oil and gas in cores from 5,528 to 5,636 feet; good oil showing in drill stem test at 5,751 feet.

Big Week in Shuler Field In Prospect

Democrat 8-5-37

Six Wells Due for Testing — Marine's Jones No. 1 Dead Again.

El Dorado—Final testing of six wells in the Shuler deep sand field of Union county, west of El Dorado, is scheduled the coming week, and three other tests in the area are nearing, or are coring in, the production formation.

To date there have been eight wells completed for producers, including one that Friday night stopped flowing, and operators are planning to swab it again through tubing. Four wells have been temporarily abandoned and permit has been issued for another test but operations have not been started.

The E. M. Jones No. 1 of the Marine Oil Company, in section 17-18-17, which has been producing about 50 barrels of oil per hour with about 20 per cent salt water, stopped flowing again and operators Saturday were rigging up a tubing swab, planning to make the well flow again.

The next completion in the area is expected to be the Marcus Justiss No. 1 of the Phillips Company, a west offset to the Justiss No. 1 producer of the Marine Company, in section 18-18-17, in which casing is set at 6,101 feet.

Other tests in which casing has been set are Morgan A3 of the Lion Company, a west offset to the Morgan B-1 of the same company, in section 18-18-17; the T. P. Marks No. 1 of the Phillips Company, a west offset to the Morgan A-2 of the Lion Company, in section 18-18-17; the Louis Rosen No. 1 of the Phillips Company, a north offset to the Lion's Morgan B-2 producer, in section 18-18-17; the D. S. and J. C. Morgan No. 2 of the Alice Sidney Company, a west offset to the Jones No. 1 of the Marine Company, in section 18-18-17, and the Murphy Land Company A-1 of Jones, Murphy and Hurley, a south outpost test in section 19-18-17.

The Lion Company has obtained several good showings in cores and drill stem tests in the Justiss No. 1, in section 19-18-17, and is expected to set casing in a few days. Jones, Murphy and Hurley obtained a good showing of oil in a drill stem test at 5,751 feet in their Marine Oil Company No. 1, an east outpost in section 17-18-17.

The Phillips Company is drilling at 5,855 feet in its Ed Gann No. 1, a north offset to the Alice Sidney producer, in section 18-18-17.

The complete report on all wells in the field follows: Lion, Morgan B-2, SE 18-18-17, producing 1,685 barrels oil and 2,000,000 cubic feet gas daily, on 14-64-inch choke, at 5,760 to 5,774 and 5,804 to 5,811 feet.

Lion, Morgan A-2, Lot 1 SW 18-18-17; producing 1,454 barrels oil and 4,000,000 cubic feet gas daily, on 25-64-inch choke at 5,795 to 5,803 feet.

Lion, Morgan A-3, Lot 1, SW 18-18-17, good showing in cores from 5,781 to 5,806 feet; casing set at 5,797 feet.

Lion, Justiss A-1, NE 19-18-17, good showing in drill stem test at 5,660 to 5,675 feet; good showing in drill stem test at 5,764 feet; good showing in drill stem test at 5,848 to 5,858 feet; coring ahead below 5,934 feet.

Alice Sidney, Powledge No. 1, SE 7-18-17, abandoned at 6,005.

Alice Sidney, D. S. and J. C. Morgan No. 2, SE 18-18-17, good showing in drill stem test at 5,560 to 5,575 feet; casing set at 6,300 feet.

Phillips, Marcus Justiss No. 1, Lot 6, NW 18-18-17, waiting on casing at 6,101, total depth 6,138 feet.

Phillips, T. P. Marks No. 1, Lot 2, SW 18-18-17, setting casing at 6,083 feet.

Phillips, Ed Gann No. 1, NE 18-18-17, drilling at 5,855 feet.

Phillips, Louis Rose No. 1, NE 18-18-17, preparing to set casing at 6,069 feet.

Jones et al. Murphy Land Company A-1, NE 19-18-17, slight show of oil in core at 5,910 to 5,927; core taken from 6,191 to 6,197 four feet hard sand, odor of gas, gray sandy shale; setting casing, 6,350 feet.

Jones et al. C. H. Murphy No. 1, Lot 6, NW 19-18-17; abandoned at 5,975 feet.

Jones et al. Murphy Land Company B-1, NE 13-18-18, pin point oil showing in core at 5,961 to 5,974; abandoned at 5,987 feet.

Jones et al. Katherine Gallagher No. 1, Lot 4, NW 19-18-17, abandoned at 5,878 feet.

Jones et al. Marine Oil Co. No. 1, SE 17-18-17, showing of oil and gas in cores from 5,528 to 5,636 feet; good oil showing in drill stem test at 5,751 feet.

Marine, Fee No. 1, SW 17-18-17, producing 1,000 barrels oil and 3,000,000 cubic feet gas daily at 5,588 to 5,614 feet through 24-64-inch choke tubing.

Marine Oil Company, E. M. Jones No. 1, SW 17-18-17, flow stopped, rigging up tubing swab.

Z. T. Spruiell, Justiss No. 1, SE 7-18-17, permit issued.

Lion Morgan B-1, SE 18-18-17, producing 622 barrels oil and 750,000 cubic feet gas daily on half-inch choke at 5,548-5,599 feet.

Alice Sidney, D. S. and J. C. Morgan No. 1, SE 18-18-17, producing 504 barrels on 27-64-inch choke.

Lion Morgan A-1, SW 18-18-17, producing 228 barrels oil, 1,500,000 cubic feet gas daily, at 5,556 to 5,559 feet through one-inch choke on tubing.

Marine, Justiss No. 1, Lot 7, NW 18-18-17, producing 575 barrels oil and 1,000,000 cubic feet gas at 5,605 feet through 27-64-inch choke on tubing.

Final test of the Morgan A-3 test of the Lion Oil Refining Company is expected to be started tomorrow. The plug was drilled and pipe perforated tonight. The test, which is in the southeast corner of Lot 1, in the southwest quarter of section 18-18-17. Casing was set at 5,797 feet.

The Lion was reaming down to 6,015 feet tonight for setting of casing in its Justiss No. 1 test in the northeast corner of the northwest quarter of the northeast quarter of section 19-18-17.

Oil Showings Obtained In Lion Tests

Special to the Gazette. 7-20-37

El Dorado, July 19.—Good oil showings have been obtained in cores on three tests of the Lion Oil Refining Company in the Shuler area, and a drill stem test on one of them this morning indicated a good producer, but operators have continued coring. It is expected that a drill stem test will be made soon on another of the tests.

The Marine Oil Company which obtained a good showing on its Fee No. 1 test Saturday, continued coring operations today.

Other operators in the area continued coring operations.

On the Morgan A-2 well of the Lion company, a south offset to the Marine producer in section 18-18-17, heavy saturation of oil and gas was obtained in cores from 5,690 to 5,702 feet. A drill stem test was made this morning at 5,690 to 5,702 feet. In seven and a half minutes the well built up a 400-pound pressure and the well flowed oil in eight minutes. Officials of the company would make no estimate of the possible oil production. The well is being reamed down for further cores.

Results of Coring Operations.

Heavy oil and gas saturations were obtained in cores at 5,760 to 5,770 feet in the Morgan B-2 well of the Lion company, a west offset to the Alice Sidney producer, in Section 18-18-17, and another core was being cut this afternoon for a drill stem test.

Oil and gas saturations also were obtained in shale and sand at 5,558 to 5,561 feet in the Justiss A-1 test of the Lion company, and coring operations were continued below that depth.

The Marine company was coring ahead below 5,762 feet on the Fee No. 1 in Section 17-18-17 today after obtaining a good showing of oil and gas in a drill stem test in 17 feet of heavy oil saturated sand at 5,685 to 5,702 feet Saturday. In a 15-minute drill stem test the oil filled the drill pipe and when the stem was broken down, oil shot over the top of the derrick.

Other Tests Coring.

Operators on various tests of the Phillips company in Section 18-18-17 were coring ahead. The Marcus Justiss No. 1 was at a depth of 5,880 feet, the T. P. Marks No. 1 at a depth of 5,535 feet, and the Louis Rosen was coring at 5,615 feet.

The Phillips company has cored oil and gas sand at various depths but no drill stem tests are reported planned.

It is reported that operators intend to core through the section and then run a Slumberger test to determine the best formation to test. It is expected that after the Slumberger test is run, casing will be set and pipe perforated at the best level.

Morgan A-1 Test May Be Deepened

Special to the Gazette. 8-11-37

El Dorado, Aug. 10.—Interest in the Shuler area of Union county, was increased tonight with reports that the Lion Oil Refining Company plans to drill its discovery well, the Morgan A-1 test in the center of Lot 1, in the southwest quarter of section 18-18-17, to the "big lime" formation. It is expected that the test will be drilled to a depth of about 7,500 feet.

The report was not confirmed but the derrick at the well has been dismantled and a larger derrick and another rig are being installed.

Other Operations.

The Phillips Petroleum Company, after failing in efforts to swab in its Marcus Justiss No. 1 test in the southeast corner of Lot 6, in the northwest quarter of section 18-18-17, plans to case off part of the perforated pipe and make new efforts to complete the well. The pipe had been perforated from 5,812 to 5,822 feet and salt water was shown in swabbing. Operators plan to cement off the hole from 5,818 to 5,822 feet and will make new tests from 5,812 to 5,818 feet. It will be several days before the new test can be started.

The Phillips company also plans to drill the plug for final test of its T. P. Marks No. 1 test in the northeast corner of Lot 2, in the southwest quarter of section 18-18-17. Casing was set at 6,083 feet.

The Alice Sidney Oil Company is expected to start final operations tomorrow on its D. S. and J. C. Morgan No. 2 test, in the southeast corner of the northeast quarter of the southeast quarter of section 18-18-17, casing was set at 6,300 feet.

Final test of the Morgan A-3 test of the Lion Oil Refining Company is expected to be started tomorrow. The plug was drilled and pipe perforated tonight. The test, which is in the southeast corner of Lot 1, in the southwest quarter of section 18-18-17. Casing was set at 5,797 feet.

The Lion was reaming down to 6,015 feet tonight for setting of casing in its Justiss No. 1 test in the northeast corner of the northwest quarter of the northeast quarter of section 19-18-17.

Morgan A-3 Completed As Big Producer

Special to the Gazette. 8-12-37

El Dorado, Aug. 11.—The Lion Oil Refining Company today completed its Morgan A-3 test in the Shuler area, west of El Dorado, for another big producer. The well was flowing about 60 barrels of oil an hour through a half-inch choke and had not cleaned itself of drilling fluid tonight. The production is expected to increase.

The test is located in the southeast corner of lot 1 in the southwest quarter of Section 18-18-17, and is a west offset to the Morgan B-1 producer of the same company.

The Morgan A-3 is the fifth producer of the Lion company to be completed in the Shuler area. The Morgan A-1 well, the discovery well in the area, is being reconditioned and will be drilled deeper for expected production in the big lime formation at about the 7,500-foot level.

Lion's Fifth Well Is Good Producer

El Dorado.—The fifth producer of the Lion Oil Refining Company in the Shuler area—the Morgan A-3 test—was completed Wednesday.

The well is located in the southwest corner of Lot 1 in the southwest quarter of Section 18-18-17. It was flowing about 60 barrels of oil an hour through a half-inch choke. Production is expected to increase.

Lion officials announced that the Morgan A-1 well is being reconditioned. It will be drilled deeper for expected production in the Big Lime formation. The Morgan A-1 is the discovery well in the area.

Another Well Completed In Shuler Area

Gazette 8-19-37

El Dorado, Ark., Aug. 18 (AP).—The Lion Oil Refining Company brought in another producer today in the Shuler field.

The well, the Lion-Justiss A-1 in section 19-18-17, was flowing 40 barrels of oil an hour.

State Pays \$1,000 Bonus for New Oil Development.

Gazette 8-22-37
A voucher for a \$1,000 bonus, claimed by the Lion Oil Refining Company and the Phillips Petroleum Company under a 1935 statute providing such a bonus for the first person or company to develop a new oil field, was issued by Revenue Commissioner D. L. Ford yesterday.

The two companies brought in the new Edna Morgan No. 1 oil well in the new Schuler field near El Dorado several weeks ago, and filed formal application for the bonus last month. The application was filed by Col. T. H. Barton, president of the Lion company, on behalf of both companies. The bonus money was appropriated by the Fiftieth General Assembly.

Shuler Field Tests Continue

El Dorado—Good progress continues to be made on two deep tests in the Shuler field and members of the El Dorado oil fraternity are keeping in close touch with the operations.

Jones, Murphy and Hurley are drilling ahead at a depth of 7,267 feet on the Marine Oil Company No. 1 in section 17-18-17, and are expected to get down to where they are likely to encounter the big lime formation by the latter part of this week.

A crew for the Lion Oil Refining Company is drilling and coring at depth of 5,950 feet on the Morgan A-1 in section 18-18-17, discovery well in the Shuler area, which is being deepened in search of the big lime formation, expected to be encountered between 7,500 and 7,800 feet.

W. D. Wingfield and associates have shut down temporarily on the Southern Kraft Corporation No. 1 well in section 18-16-14, in the Calion territory. The well is down to a depth of 5,029 feet. It is expected that drilling will be resumed at an early date to take the well on down to the lime formation.

Most of the wells in the Shuler field continue to hold up in production. The Morgan A-2 and Morgan A-3 of the Lion Oil Refining Company are making 1,800 barrels daily and the Morgan B-1 and Morgan B-2 of the same company are producing 2,250 barrels a day. The Justiss No. 1 of the Lion is being plugged off to determine the salt water flow and the hole is being reworked.

The Phillips Petroleum Company has three producers with the Marks No. 1 making 500 barrels daily, the Rosen No. 1, 215 barrels daily and the Justiss No. 1, 100 barrels through flowing and swabbing. The Murphy Land Company No. 1 of Jones, Murphy and Hurley is making 35 barrels a day.

Shuler Wells Going Deeper

El Dorado—Interest among members of the El Dorado oil fraternity centers in two deep tests that are being drilled in the Shuler field to the southwest of El Dorado. Both are wells that are being deepened from the Shuler production level down to the big lime formation.

One is the Marine Oil Company No. 1 of Jones, Murphy and Hurley, in section 17-18-17, now down to 7,493 feet. The well is believed by many field followers to be only a short distance from the lime formation. The crew Saturday was reaming down with preparations being made to continue coring.

The operators have announced plans to core solid until the lime is encountered. The last cores taken in the well were in red sand and shale with no showing.

The other well is the Morgan A-1 of the Lion Oil Refining Company, down to 6,183 feet. Drilling is in progress at present but coring operations may begin most any time.

W. D. Wingfield and associates are shut down at a depth of 5,029 feet on the Southern Kraft Corporation well in section 18-16-14 in the Calion area. This well also will be taken to the lime formation, and Wingfield has announced that he expects to resume activities on the well within a short time.

It was reported here that there is a revival of interest in oil activities in the vicinity of Junction City, both on the Arkansas and the Louisiana sides of the line.

Detrick is reported making plans to resume drilling on a well he started several months ago in section 12-19-16 to the south of El Dorado and it is understood that a big company is getting up a large block just below the line in Louisiana.

Deeper Sand In Shuler Area Sought

Special to the Gazette. 9-7-37

El Dorado, Sept. 6 (AP).—Possibility of deeper sand production in the Shuler area in Union county west of El Dorado was indicated today following good showings obtained in cores in the Marine No. 1 deep test of Jones, Murphy and Hurley in Section 17-18-17.

The last core taken from the well this morning from a depth of 7,553 to 7,564 feet was reported to be dripping with high gravity oil and having a strong gas odor. Sand from which the core was taken was also reported to have good porosity. The entire 11-foot core was of the same formation indicating that at least 11 feet of good sand has been encountered.

Operators on the test this afternoon said that the hole would be reamed down for a drill stem test early tomorrow morning.

A "good cap rock" was reported encountered above the formation which is a good indication for a prospective well for setting of casing. The well has not yet encountered the big lime formation from which big production was expected. Oil obtained in the cores was of about 63 to 65 gravity.

The test, more than a mile east of the discovery well in the area, which is also being drilled to the big lime. It is located 330 feet east and 330 feet south of the northwest corner of the southwest quarter of the southeast quarter of Section 17-18-17. The well is on land belonging to the Marine Oil Company and it is reported that the company is sharing the expenses of drilling to the deeper formations at a higher level.

Another Deep Test Progresses.

Operators on the Morgan No. 1 deep test well of the Lion Oil Refining Company were drilling ahead below 6,200 feet on their test which is also to be taken to the big lime formation. The well was a producer from higher formations. It was the discovery well in the area. When it stopped producing operators decided to take it to the big lime. The Phillips Petroleum Company which drilled the well to a depth of 4,270 feet last year and then abandoned it, is said to be sharing in the expense of deepening the test. The well is located in the center of Lot 1 in the southwest quarter of Section 18-18-17.

If the two deep test wells should be completed for producers in the lime formation, it is expected that several other tests in the area will be drilled to that depth. Twenty-one tests have been drilled in the area with 12 completed for producers. The seven other tests have been abandoned or temporarily shut down pending outcome of operations on the Jones, Murphy and Hurley test and the Lion company test.

Big Producer Expected In Marine Test

Gazette 9-8-37

Special to the Gazette.

El Dorado, Sept. 7.—Indications of a producer of from 1,500 to 2,500 barrels of high gravity oil, with large quantities of gas, were shown in a drill stem test this morning on the Marine Oil Company No. 1 deep test well of Jones, Murphy & Hurley, in Section 17-18-17, in the Shuler field west of El Dorado.

Although the test was satisfactory and indicated a big producer, operators were of the opinion that the oil sand had not been fully tested and announced plans to continue coring operations.

The test was made from a depth of 7,545 feet with bottom of the hole at 7,575 feet. Twenty-one feet of rich oil sand with strong gas showings already has been cored. Operators this afternoon were reaming down to the bottom of the hole, and were to take another 20-foot core tonight. It is expected that another drill stem test will be made tomorrow after the core is taken.

Oil of 39 Gravity.

The drill stem test was for 10 minutes with a quarter-inch choke at top and bottom of the testing tool. After the tool was allowed to set on the bottom for 10 minutes, work was started breaking down the drill stem. When 30 joints of the drill pipe had been broken down, the well began to flow high gravity oil and show strong gas pressure. The oil was of about 39 gravity.

The test is located in the northwest corner of the southwest quarter of the southeast quarter of Section 17-18-17, and is the most eastern well yet drilled in the area.

Fishing Job at Morgan A-1.

More than a mile west of the Marine well, drillers on the Morgan A-1 discovery well of the Lion Oil Refining Company, which also is being deepened to the big lime formation, were reported to be fishing for a portion of the drill stem reported to have been lost in the hole. This could not be confirmed by Lion officials. The well last was reported drilling below 6,200 feet. It is located in the center of Lot 1 in the southwest quarter of Section 18-18-17.

The Jones well has not reached the big lime formation, which is expected to be encountered above 8,000 feet, and some field followers believe that operators will drill to the big lime and if no production is found at that depth, the well will be plugged back to the present depth for completion. The Marine Oil Company on whose land the well is being drilled, is reported sharing the expense of the deepening operations.

Prepare to Set Casing for Test Of Possible Producer.

Special to the Gazette. 9-10-37

El Dorado, Sept. 9.—Following the coring of 52 feet of heavily saturated oil sand with strong gas showings and a drill stem test in a section of the showing which indicated a producer of from 1,500 to 2,500 barrels of high gravity oil per day, operators on the Marine No. 1 deep test of Jones, Murphy and Hurley today were making arrangements to set casing for testing of the well.

A Slumberger test was run on the well to get a "picture" of the formation and casing is to be set as soon as the test is completed. Seven-inch casing is being hauled to the location and pipe is expected to be run into the hole tonight and the casing cemented tomorrow.

The bottom of the hole is at 7,615 feet with the oil sand extending from 7,553 to 7,605 feet. A drill stem test was made on the well from 7,545 to 7,575 feet which indicated a producer of from 1,500 to 2,500 barrels of 39 gravity oil per day with strong gas pressure.

Another core was taken from 7,575 to 7,595 feet which was equally as good as the previous core. The final core was taken from 7,595 to 7,615 with sand formation from 7,595 to 7,605 feet and the remainder of the core showed limy shale.

The test, which is being financed by Jones, Murphy and Hurley and the Marine Oil Company, is located in the northwest corner of the southwest quarter of the southeast quarter of section 17-18-17.

Further Rich Showings In Marine No. 1

Gazette 9-9-37

Special to the Gazette.

El Dorado, Sept. 8.—Two more cores showing heavy oil saturation and a strong gas pressure were taken from the Marine No. 1 test of Jones, Murphy & Hurley today, making a total of 61 feet of rich oil sand that has been cored in the test. The first core was from 7,525 to 7,595 feet and the second from 7,595 to 7,614.

A 10-minute drill stem test yesterday morning from a depth of 7,545 feet made a good showing of oil and gas, indicating a producer of from 1,500 to 2,500 barrels of 39 gravity oil a day. The test was made with a quarter-inch hole at top and bottom of the testing tool. After the test was made and 30 joints of drill pipe had been broken down, the well began flowing.

Operators on the test have not announced their plans for the test. It is expected that a decision will be made after the core is taken.

May Have 100-Foot Sand.

It has been estimated by some field followers that there is a 100-foot sand at the present depth. There has been no showing of salt water in any of the cores or drill stem tests, and operators were optimistic over prospects for the well.

The test, located in the northwest corner of the southwest quarter of the southeast quarter of Section 17-18-17, is being financed jointly by the Marine company and Jones, Murphy & Hurley.

Fishing Job Completed.

The Lion Oil Refining Company this morning was reported continuing its fishing job for a portion of the drill stem lost in the hole at about 6,200 feet on its Morgan A-1 discovery well in the area, which is being drilled to the lime formation. The test is located in the center of Lot 1, in the southwest quarter of Section 18-18-17.

Decrease In Production In Shuler Wells

Special to the Gazette. 9-16-37

El Dorado, Sept. 15.—A slight decrease in the daily production from 13 wells in the Shuler area west of El Dorado was shown in production reports today. The daily production this week is approximately 5,900 barrels compared with 6,400 barrels daily last week.

The Lion Oil Company with four producers continues to be the largest producer in the area. Its two Morgan "A" wells are producing 1,618 barrels daily while the two Morgan "B" wells are producing 2,016 barrels daily.

The Phillips Petroleum Company has more than 1,000 barrels daily production from three wells. The Marks has a production of 600 barrels, the Justiss 245 and the Rosen 170 barrels daily.

The Marine company has three producers, the Justiss No. 1 well making 463 barrels daily and the Jones No. 1 and the Fee No. 1 have combined production of 448 barrels daily. The Alice Sidney Oil Company has a total production of 297 barrels daily from its two Morgan wells.

No production figures could be obtained from Jones, Murphy & Hurley on their Murphy test which last week was producing about 31 barrels daily.

The Lion company still is fishing for a lost drill stem in its Morgan A-1 deep test in Section 18-18-17, and Jones, Murphy & Hurley are waiting on casing in their Marine No. 1 deep test in Section 17-18-17.

Final Test On Marine 1 Due Today

Special to the Gazette. 9-17-37

El Dorado, Sept. 16.—Final testing of the Marine No. 1 deep test well of Jones, Murphy & Hurley, in Section 17-18-17, in the Shuler area, west of El Dorado, is scheduled to start early tomorrow. Washing operations are expected to start about daylight.

Casing was perforated this morning in the test, and tubing is being run into the hole. It was believed that the top 20 feet of the sand was perforated. A 52-foot heavily saturated oil sand was encountered in the test from a depth of 7,553 to 7,605 feet, and casing was set at a depth of 7,612 feet.

Big Producer Indicated.

One drill stem test was made of the upper part of the sand which indicated a big producer with strong gas showings. At the time of the drill stem test, some witnesses estimated that the well would be good for production of 2,500 barrels a day. The test was made with a quarter-inch choke at top and bottom of the testing tool. Since the test and after other cores below that depth showed silt more sand, some oil men have estimated that the well may be good for from 5,000 to 10,000 barrels a day. No salt water showings were made.

The test, which is being financed by the Marine Oil Company and Jones, Murphy & Hurley, is located in the northwest corner of the southwest quarter of the southeast quarter of the section.

Fishing Job Completed.

Officials of the Lion Oil Refining Company this afternoon announced that the fishing job on the Morgan A-1 deep test in the center of Lot 1 in the southwest quarter of Section 18-18-17, has been completed and drilling has been resumed at 6,182 feet. The drill stem had been lost in the hole for about two weeks.

Deepest Well In Arkansas Flowing Oil

Democrat 9-17-37
**Jones-Murphy Test at
Shuler Confirms Value
of New Sand.**

El Dorado—Indicated as a good producer from a new sand, a new oil well was completed this morning in the Shuler field to the southwest of El Dorado.

The well was brought in by Edwin W. Jones, well-known Arkansas and Texas operator; C. H. Murphy, El Dorado banker, and Joe Hurley, oil of El Dorado, on the Marine Oil Company lease in section 17-18-17.

None of the operators or those closely associated with the well would make an estimate on the possible production immediately after the well was completed, but appeared well pleased with the showing and stated "it looks like a good well."

Estimates ranging from 2,000 to 3,000 barrels daily were heard from among other observers at the location.

The well was showing a strong flow of oil, gas and drilling water, and it was expected that it would take some time for the well to become clear of water.

The flow of fluid was at the rate of about 80 barrels an hour, as indicated by the flow through separator. The well was allowed to flow for a short time in this manner with the gas being burned through a flare, and the oil also being burned, before it was turned into the tanks.

The well started flowing by its own pressure after being washed for about two hours and then pumped with air for more than an hour. The flow was steady most of the time and increased as the drilling water lessened.

Completion of the well was from a 16-foot section of a 53-foot oil sand. The casing was perforated at the top of the sand from 5,753 to 5,769 feet, while the sand extends on down to a depth of 7,605 feet.

Oil from the new sand represents the deepest production in Arkansas and the stratum is the third sand from which oil is being produced in the Shuler field. The well is also an extension of the field, being about a mile east of first production, in section 18-18-17, and about a half mile from the nearest producing well.

Completion of the well is expected to lead to the drilling of several other deep tests in the field at once. Several wells already drilled to the first two sands, below 5,500 feet, probably will be deepened.

Marine No. 1 Completed At 7,600 Feet

Special to the Gazette. 9-18-37

El Dorado, Sept. 17.—South Arkansas got its first 7,600-foot oil well today but salt water threatened to blast hopes for a new deep gusher field.

Completed this morning at approximately 7,570 feet, the Marine No. 1 of Jones, Murphy & Hurley, in Section 17-18-17, flowed for several hours as a small gusher, gauging 70 to 80 barrels an hour. By mid-afternoon salt water began to show up and steadily increased until the water content was from 60 to 85 per cent. Several tests of the flow were made and the water content later began a slow decrease.

Oil men believe that the well still may make an excellent producer. The latest report was that the well was flowing at the rate of 103 barrels of fluid an hour, 55 per cent water and basic sediment, and 45 per cent oil.

Different Oil.

The casing pressure was 475 pounds and tubing pressure 250 pounds. Temperature of the fluid had risen from 112 this morning to 132 tonight. There was no sand or mud in the flow. Gravity of the oil was 29.4 degrees, which indicates it is an entirely different oil than that from the Morgan sand at 5,600 feet which was 45 degrees gravity.

Tonight's report indicated that the well was increasing its flow, the total being around 2,400 barrels daily as compared with about 1,500 barrels daily average this morning. The location is in the northwest of the southeast of the southeast of 17-18-17, east edge of Shuler.

Plans Unknown.

Officials made no announcement of plans, but it is believed that experiments will be made with the well to determine from where the water is com-

ing. Should the water increase again or should the oil flow decrease, it is believed that the well may be closed in and either another perforation of the pipe made at a different level or the well killed and drilled down to the so-called "big lime" formation. This was the objective when the company started deepening.

The well penetrated 53 feet of oil and gas bearing sand from 7,552 to 7,605, the thickest oil sand ever found in Arkansas.

Marine No. 1 Shows Big Flow Increase

Special to the Gazette. 9-21-37

El Dorado, Sept. 20.—Oil production in the Marine No. 1 deep test of Jones, Murphy & Hurley, in the Shuler area west of El Dorado, has shown an increase over the week-end, while salt water has decreased.

The well produced 1,589 barrels of oil during the 24 hours ending at 7 this morning as compared with 1,320 during the 24-hour period ending at 7 a. m. yesterday.

The well was allowed to flow on a two-inch choke today. Casing pressure has been maintained at about 1,300 pounds with tubing pressure of 250 pounds. The temperature has been constant at about 144 degrees.

Production is coming from casing perforations from 7,554 to 7,574 feet. Operators do not understand where the salt water production is coming from, as no salt water was indicated in the cores of the sand and none was shown in a drill stem test of the same section of the sand.

Despite the show of salt water operators are pleased with the well. It is the first production in Arkansas from below 7,500 feet.

The Jones test is the farthest east yet drilled in the Shuler area, and is more than a half mile from production and a mile east of the discovery well. It is in the northwest corner of the southwest quarter of the southeast quarter of Section 17-18-17.

Other Tests Watched.

Another test watched closely is the Morgan A-1 discovery well of the Lion Oil Refining Company, in the center of lot 1, in the southwest quarter of Section 18-18-17, which is being deepened to the new production level. Operators were drilling below 6,350 feet today.

It is reported that three other tests in the area will be deepened to the new production level.

The Phillips Petroleum Company is reported rigging up on its Gan No. 1 test for drilling to the new sand. The Gan test is in the southwest corner of the southeast quarter of the northeast quarter of Section 18-18-18. It failed to produce at the shallow sand around 5,600 to 5,800 feet, and has been shut down temporarily at that depth.

The Alice Sidney Oil Company is reported planning to take its D. S. and J. C. Morgan No. 2 test to the lower producing sand. The test is in the southeast corner of the northeast quarter of the southeast quarter of Section 18-18-17. It has been producing about 18 to 25 barrels of oil a day from the shallow sand.

The other test expected to be taken to the producing depth is the Gallagher No. 1 of Jones, Murphy & Hurley, in the northeast corner of Lot 4 in the northwest quarter of Section 19-18-17. The test failed to produce at the lower sand and has been abandoned temporarily.

Increase In Oil Flow Continues

Gazette 9-22-37

Special to the Gazette.

El Dorado, Sept. 21.—Continued increase in production of oil and a proportionate decrease in salt water production was noted today in the Marine No. 1 deep test well of Jones, Murphy & Hurley in the Shuler area west of El Dorado.

Oil production from the well for the 24-hour period ended at 7 a. m. today was approximately 1,600 barrels. The flow from the well was 2,155 barrels of fluid with approximately 26 per cent salt water and basic sediment. Casing pressure is 1,425 pounds and tubing pressure 250 pounds. The temperature is 146 degrees.

Since the well has been allowed to flow continuously on a two-inch choke there has been a gradual increase in

the oil production and decrease in the salt water showing.

Morgan A-1 Deepened.

The Lion Oil Refining Company today was drilling at 6,455 feet in shale in its Morgan A-1 discovery well which is being deepened to the new production level. Despite rumors that other tests will be deepened, no permits have been issued by the state Conservation Department.

Oil production from the Shuler area continues at a big scale with total daily production averaging 7,233 barrels from the 14 producers, including the new Jones well.

The Lion Oil Company has production of 1,498 barrels from its two Morgan A wells, and production of 1,980 barrels daily from its two Morgan B wells.

Production from the three wells of the Phillips Petroleum Company follows: Marks No. 1, 591 barrels; Justiss No. 1, 220 barrels, and Rosen No. 1, 160 barrels.

The Marine Oil Company has production of 439 barrels from its Justiss No. 1 well and production of 394 barrels from the Fee No. 1 and the Jones No. 1 tests.

The Alice Sidney Co. has production of about 297 barrels daily from its two D. S. and J. C. Morgan tests.

Jones, Murphy & Hurley have production of 60 barrels daily from their Murphy Land Company A-1 test.

Steady Increase in Oil Flow In Shuler Area Well.

Special to the Gazette. 9-23-37

El Dorado, Sept. 22.—A steady increase in oil production, accompanied by a proportionate drop in salt water flow in the deep test well of Jones, Murphy & Hurley, in the Shuler area west of here, has led oil interests of south Arkansas to believe that in a short time the salt water flow will be stopped entirely.

Operators still are at a loss to understand where the water production is coming from as no salt water showings were made in cores or in a drill stem test.

Oil production from the well in the 24 hours ended at 7 a. m. today was 2,387 barrels compared with 2,155 barrels yesterday. The well is producing 22 per cent water and basic sediment compared with 26 per cent yesterday.

In yesterday's report on production it was erroneously reported that the flow was 2,155 barrels of which 26 per cent was salt water, whereas the oil production was 2,155 barrels for the period.

Since the completion last Friday when the flow of salt water ranged from 50 to 98 per cent the well has shown a steady increase in oil production and a decline of salt water. It is now the largest oil producer completed in the Shuler area. Casing pressure also is showing a steady increase, with a two-inch choke being maintained. The casing pressure this morning was 1,550 pounds compared with 1,425 pounds yesterday. The tubing pressure is the same at 250 pounds.

The Lion Oil Refining Company today was drilling in red shale at 6,254 feet in its Morgan A-1 discovery well in the same area.

Marine No. 1 Backers Plan New Well

Gazette 9-29-37

Special to the Gazette.

El Dorado, Sept. 28.—With the Marine No. 1 test completed as a producer of approximately 2,500 barrels of oil and 2,000,000 to 2,500,000 cubic feet of gas daily, Jones Murphy and Hurley have announced plans for the drilling of a north offset to the Shuler area deep producer in section 17-18-17.

The new test will be the Marine Fee No. 2 and will be 330 feet east and 330 feet north of the southwest corner of the northwest quarter of the southeast quarter of section 17-18-17. The test is 660 feet north of the Marine Fee No. 1 producer.

To Use Same Rig.

The same rig used on the first well is being moved to the new location and it is expected that drilling operations will be started soon.

The first well, which is producing from a depth below 7,500 feet, produced 2,541 barrels of oil in the 24-hour period ending at 7 a. m. today. Salt water flow is about 18 per cent of the total. Casing pressure has increased to 2,100 pounds and tubing pressure remains constant at 250 pounds. Temperature is 144 degrees and the well is flowing through a two-inch choke on a two and one-half-inch tubing.

Lion Test in Hard Shale.

Operators on the Morgan A-1 discovery well of the Lion Oil Refining Company in the center of lot one in the southwest quarter of section 18-18-17 this morning were drilling at 6,920 feet in hard shale. It is expected that

it will be the latter part of next week before the Lion test nears the new producing level.

The Lion test is the discovery well in the Shuler area and is more than a mile west of the Jones et al. test which is the most eastern well in the Shuler field.

Though it had been reported that three other operators would deepen wells in the Shuler area to the new production level it was reported today that they are awaiting outcome of operations on the Lion test.

Daily Output of Shuler Area More Than 8,100 Barrels.

Special to the Gazette. 9-30-37

El Dorado, Sept. 29.—The average daily production from the Shuler oil field, west of El Dorado, is in excess of 8,100 barrels, according to production figures obtained from operators today.

The largest producer in the field is the Marine No. 1 test of Jones, Murphy & Hurley which yesterday produced 2,609 barrels of oil with casing pressure of 2,190 pounds. Tubing pressure remained constant at 250 pounds and the salt water flow was about 19 per cent of the total flow of the well.

Four wells of the Lion Oil Refining Company are this week producing 3,650 barrels daily. Two wells on the Morgan "A" lease are producing 1,650 barrels daily and two on the Morgan "B" lease are producing 2,000 barrels daily.

The same company is drilling at 6,980 feet in sandy shale in its Morgan A-1 well which is being deepened to the new deep producing level.

The Marine Oil Company has production of 428 barrels daily from its Justiss No. 1 test and 113 daily from its Jones No. 1 test. The Fee No. 1 test has stopped its flow.

The Phillips Petroleum Company has production of 530 barrels daily from its Marks No. 1, 192 barrels from its Justiss No. 1 test and 155 barrels daily from its Rosen No. 1 test.

The Alice Sidney Company has production of about 290 barrels daily from its two D. S. and J. C. Morgan tests.

Morgan A-1 Test to Be Taken To 'Big Lime' Formation.

Special to the Gazette. 10-7-37

El Dorado, Oct. 6.—Although they have cored almost 60 feet of unbroken oil sand of varying saturation, operators on the Morgan A-1 test of the Lion Oil Refining Company said this afternoon that they will take the well to the "big lime" formation without testing the formation.

The oil-saturated sand was encountered at 7,500 feet.

Announcement of a new offset test to the Jones et al.-Marine well was made by the Lion Oil Refining Company. The well will be a direct west offset to the producer. It will be located in the northeast corner of the southeast quarter of the southwest quarter of section 17-18-17.

Jones et al. have completed erection of derrick on their Marine No. 2 direct north offset to the No. 1 producer, it is expected that drilling will start this week-end. Preliminary work is under way on the Marine No. 3 test, northeast of the No. 2 well and the Marine No. 4 test southeast of the No. 1 well, and it is expected that drilling will start in about a week or 10 days.

'Big Lime' Reached In Lion Well

Special to the Gazette. 10-11-37

El Dorado, Oct. 10.—The oolitic lime formation, object of deep test drilling activities in the Shuler area west of El Dorado for more than a year, has been reached by the Lion Oil Refining Company in its Morgan A-1 test, and cores of the formation indicate that operators were correct in their belief that the "big lime" would contain big oil and gas production.

Operators, after coring 70 feet solid of oil sand from 7,500 to 7,570 feet, continued coring operations and encountered the "big lime" at a depth of 7,604 feet in a core taken from 7,598 feet. The bottom four feet of the core showed lime with a strong showing of gas. The next 10-foot core from 7,608 to 7,618 feet showed more lime with strong oil and gas showings being indicated.

To Continue Coring.

The lime was reported to "cut easy" in the coring operations, indicating that the formation is quite porous. Operators today were reported changing drilling line for continuing of coring operations. After the drilling line is changed it is expected that operators will ream down to the bottom of the hole and continue to core. It was expected that it would be early tomorrow before another core is taken.

Operators in the field were of the opinion that stronger oil showings would be made as the well is cored deeper in the lime.

Obtaining of production from the lime would be the third producing horizon in the Shuler area, and if the Lion's test is completed for a producer in the lime, it would be the discovery well two of the producing levels.

The Lion's test was started a year ago by the Phillips company as a test to the lime, and was abandoned at a depth of 4,270 feet. The Lion company resumed operations early this year and completed the well at a depth of 5,600 feet as a producer in a shallow sand. Intensive operations followed its completion and 12 producers were completed in the zone. The Lion test and most of the producers are in Section 18-18-17.

Marine Plans New Test.

The Marine Oil Company which completed the second well in the Shuler area yesterday, announced plans to drill another test on its Justiss lease which is north of the Lion Morgan A-1 test. It will be 100 feet east of the Justiss No. 1 test and will be drilled to the big lime.

On another front in Section 18-16-14, between Snow Hill and the Rainbow field, W. D. Wingfield and associates are planning to start drilling on a second test after pipe became stuck in the Southern Kraft No. 1 at a depth of 5,329 feet. The derrick has been skidded 150 feet to the south and rigging up is under way and drilling will be started in a few days. A good oil showing was obtained in the first well at a depth between 2,700 and 2,800 feet, and it is expected that a test will be made of the formation. If no good showing is obtained, operators plan to make a deep test of the well.

To Drill Two More Deep Tests In Shuler Area.

Special to the Gazette. 10-2-37

El Dorado, Oct. 1.—Issuance of permits for two new wells to be drilled in the vicinity of the recently completed Marine No. 1 test of Jones, Murphy & Hurley in the Shuler area brings to three the number of tests to be started after completion of the big deep sand producer.

Both permits were to Jones, Murphy & Hurley. The wells will be named the Marine Nos. 3 and 4. The tests are located in Section 17-18-17, on the same 40-acre tract as the producer and the No. 2 test.

Production of the No. 1 test for the 24-hour period ended at 7 a. m. today was 2,587 barrels of oil with casing pressure 2,250 pounds and tubing pressure 250 pounds. The well continued to make a small percentage of salt water.

More Drilling Planned For Shuler Area

Special to the Gazette. 10-12-37

El Dorado, Oct. 11.—Drilling operations are under way on one test and rigging up is under way on five additional tests, all to be drilled to the "big lime," or the deep oil sand encountered below 7,500 feet in the Shuler area west of El Dorado. This activity is the result of completion of the Marine No. 1 test of Jones, Murphy & Hurley for a big producer and the good showing obtained by the Lion Oil Refining Company in its Morgan A-1 test.

Jones and associates are drilling below 600 feet in their Marine No. 2 test, a 660-foot north offset to the producer which is flowing 1,400 barrels of oil daily through a 28-64 inch choke.

The producer is in the northwest corner of the southwest quarter of the southeast quarter of section 17-18-17. The No. 2 test is located in the southwest corner of the northwest quarter of the southeast quarter of the section.

The same operations are preparing to start drilling two additional tests. The Marine No. 3 is in the northeast corner of the northwest quarter of the southeast quarter of the section, and the Marine No. 4 is in the southeast quarter of the southwest quarter of the southeast quarter of the section.

Lion Rigging Up.

The Lion Oil Refining Company is rigging up on the Marine No. 1 test to be drilled in the northeast corner of the southeast quarter of the southwest quarter of section 17-18-17, which is 660 feet west offset to the Jones et al. producer. The Lion company has cored 51 feet of oil and gas saturated lime from 7,606 to 6,657 feet in its Morgan A-1 test in the center of Lot 1 in the southwest quarter of section 18-18-17, and was reaming down to continue coring tonight.

North of the Morgan test the Marine company is clearing location for its Justiss No. 2 which will be taken to the big lime or the sand from which the Jones et al. well is producing. The test is located 430 feet east and 330 feet

north of the southwest corner of Lot 7, in the northwest quarter of section 18-18-17, and is only 100 feet east of its Justiss No. 1 test which is producing in the 5,600-foot sand.

Alice Sidney to Go Deeper.

The Alice Sidney Oil Company announced today that it is rigging up on its D. S. and J. C. Morgan No. 2 test, in the southeast corner of the northeast quarter of the southeast quarter of section 18-18-17, and will drill to the deep oil formation. The well had produced in the 5,600-foot sand but stopped producing several days ago.

The Phillips Petroleum Company is rigging up on its Gan No. 1 test in southwest corner of the southeast quarter of the northeast quarter of section 18-18-17, preparing to drill deeper. It also was a producer in the shallow sand but had stopped flowing.

It is reported that several additional tests in the Shuler area that failed to make producers in the shallow sand or that have stopped producing, would be drilled deeper.

There are 12 producers in the Shuler area from the shallow sand which, with the deep sand producer of Jones, Murphy & Hurley, have total production in excess of 7,000 barrels daily.

Buckner Area Shares Limelight With Shuler Field.

Special to the Gazette. 10-13-37

El Dorado, Oct. 12.—The Buckner area of Lafayette county where the Standard Oil Company is setting casing for final testing of its McKean No. 1 test in section 8-16-22 following a good showing obtained in a drill stem test today is sharing the limelight with the Shuler area of Union county where drilling activities have been renewed to the new deep producing sand below 7,500 feet.

Reports from Stamps were that seven-inch casing is being run into the hole following a drill stem test at 7,197 feet in which about 2,000 feet of 28.8 gravity oil was shown with a three-quarter inch choke used. Bottom of the hole is at 7,204 feet, the test is four miles east of Stamps in the southwest quarter of the southwest quarter of the section.

The good showing of the well has resulted in intense excitement in Buckner, Stamps and Magnolia, east of the well. Oil scouts and representatives of independent and major companies are "flocking" to the area. It is expected that the test will be drilled in in about a week or 10 days.

More Deepening Operations Planned.

In the Shuler area operations have been started preparatory to the deepening of two former producers in the "shallow" sand to the new producing horizon below 7,500 feet. The old tests to be deepened are the Ed Gan No. 1 test of the Phillips Petroleum Company and the D. S. and J. C. Morgan No. 2 test of the Alice Sidney Company. Both wells are located between the Jones et al. producer and the Morgan No. 1 test of the Lion company which obtained good showings in the deep sand. Both were completed as producers in the shallow sand but later stopped production. Operators on the Phillips test are "mixing mud" and are preparing to resume drilling soon, probably tomorrow. Present depth of the Gan test is 6,062 feet.

Officials of the Alice Sidney Company announced that deepening of the D. S. and J. C. Morgan test will be started tomorrow. The well is at a depth of 6,308 feet.

Operators on the Morgan A-1 test of the Lion cored from a corrected depth of 7,654 to 7,664 feet today. The core, still showed oolitic lime with strong oil and gas showings. It was reported that officials planned to take another core before deciding whether to set casing or continuing coring. The lime was topped at 7,606 feet after 70 of rich oil sand were cored from 7,500 to 7,570 feet.

The Marine No. 1 deep producer of Jones, Murphy and Hurley in section 17-18-17 yesterday produced 1,368 barrels of oil on a 28-64 inch tubing choke. The same operations were drilling at 1,414 feet on their No. 2 test, a 660-foot north offset to the producer.

Shuler Awaits Developments In Deep Sand

Operators' High Hopes Now Based on Big

Lime Formation.

Democrat 10-17-37
El Dorado—A waiting period has arrived again in the Shuler field. Field followers generally are awaiting testing on the first well to reach the big lime formation, after completion of one deep sand producer, and close watch is being kept on other wells that are being deepened from the shallow producing sand to the lime.

Operators on the Marine No. 1 test of Jones, Murphy and Hurley Saturday placed the well back on a

two-inch choke with increased production from 1,127 barrels to 2,407 barrels daily. The well previously was on a 24-64 inch choke. Casing pressure in the well is 2,300 pounds and tubing pressure, 300 pounds.

The same operators are waiting on casing at 1,617 feet in their Marine No. 2 test and are setting 1,647 feet of intermediate casing in their Marine No. 4, and are rigging up on the Marine No. 3 test. All tests are located in section 17-18-17.

The Lion Oil Refining Company is waiting on casing at 7,684 feet before starting final testing of the Morgan No. 1 deep test in section 18-18-17, and is rigging up to start drilling on the Marine No. 1 in section 17-18-17.

The Phillips Petroleum Company is drilling below 6,150 feet in its Gan No. 1, in section 18-18-17, which is being deepened to the deep sand or lime, and the Alice Sidney Company is reported to be drilling below 6,300 feet on its D. S. and J. C. Morgan No. 2, in section 18-18-17.

The Marine Company is rigging up and is expected to start operations in the next few days on its Justiss No. 2 deep test in section 18-18-17.

Saturdays report on wells follows: Lion, Morgan A-1, SW 1-4, 18-18-17, waiting on casing at 7,684 feet; Lion, Marine No. 1, SW 1-4, 17-18-17, rigging up.

Jones et al, Marine No. 1, SE 1-4, 17-18-17, producing 2,407 barrels daily on two-inch choke from depth of 7,554-7,574; Jones et al, Marine No. 2, SE 1-4, 17-18-17, waiting on casing at 1,617 feet; Jones et al, Marine No. 3, SE 1-4, 17-18-17, rigging up; Jones et al, Marine No. 4, SE 1-4, 17-18-17, setting casing at 1,647 feet.

Marine, Justiss No. 2, NW 1-4, 18-18-17, rigging up to start drilling.

Alice Sidney, D. S. and J. C. Morgan No. 2, SE 1-4, 18-18-17, drilling below 6,300 feet.

Phillips, Ed Gan No. 1, NE 1-4, 18-18-17, drilling below 6,150 feet.

Shuler Area Activities Increased

Special to the Gazette. 10-26-37

El Dorado, Oct. 25.—with two producers completed, seven drilling and four rigging up to start operations, the Shuler section of Union county again has assumed activities of major proportions to the deep producing formations.

Location of two new tests was announced today. Both wells will be drilled by the Lion Oil Refining Company, which has one producer in the lime formation below 7,600 feet that is making 200 barrels of oil daily on a one-sixteenth-inch tubing choke. It is the Morgan A-1 discovery well in the Shuler area. One new location is the D. S. and J. C. Morgan C-1, south offset to the D. S. and J. C. Morgan No. 2 test of the Alice Sidney Company which is being deepened to the new formation. It is located in the northeast corner of the southeast quarter of the southeast quarter of section 18-18-17.

The other test is the Morgan B-4 in the northwest corner of the southwest quarter of the southeast quarter of section 18-17-17.

The Lion is drilling below 1,900 feet on its Marine No. 1 test in section 17-18-17, a west offset to the Marine No. 1 producer of Jones, Murphy & Hurley which is producing 2,556 barrels of oil daily. The Lion also is rigging up for its Morgan B-3 well 100 feet west of its Morgan B-2 shallow sand producer in section 18-18-17.

Status of Other Tests. Jones et al are drilling below 4,665 feet on their Marine No. 2 test, a north offset to their producer in section 17-18-17, and are drilling below 3,145 feet on their Marine No. 4, southeast of the producer. They are rigging up on their Marine No. 3 northeast of their No. 2 test.

The Alice Sidney Company is drilling below 6,800 feet on its D. S. and J. C. Morgan No. 2 in section 18-18-17, and the Phillips Company is drilling below 6,680 feet on its Ed Gan No. 1. Both wells are being deepened from shallow sands. They are expected to be the next tests to reach the deep producing levels.

The Phillips Company also is drilling another test, the Jennings No. 1, in section 18-18-17, on which it is preparing to resume drilling below surface casing. The Marine Company is drilling below 2,200 feet on its Justiss No. 2, 100 feet east of its Justiss No. 1 producer in the shallow sand in section 18-18-17.

7,657 Barrels Daily. Daily average production from the 14 producing wells in the Shuler area is 7,657 barrels. The Lion leads with 1,550 from two Morgan A lease wells, 1,700 from two Morgan B lease wells, 100 barrels from the Justiss well and 200 barrels from the Morgan A-1 big lime producer.

In addition to their Marine No. 1 producer in the deep sand with 2,556 barrels daily production, Jones et al

have production of 30 barrels daily from their Murphy No. 1 test. The Phillips Company has production of 435 barrels from the Marks test, 199 from the Justiss test and 119 from the Rosen well.

The Marine Company has production of 370 barrels from its Justiss No. 1 well and 197 from its Jones No. 1 test, and the Alice Sidney Company has production of 201 barrels from its D. S. and J. C. Morgan No. 1 well.

Shuler Field Operations. The waiting period continues in effect in field operations with a number of tests being drilled but not yet down to really interesting stages. Two or more of the tests probably will reach the depths where the oil formations and the Big Lime were encountered in the two deep sand producers.

Two new permits for wells at Shuler were issued by the Conservation Board to the Phillips Petroleum Company. The new tests are: Justiss No. 2, lot 6, northwest quarter of section 18-18-17, and the Marks No. 2, northeast corner of lot 6, southwest quarter of section 18-17-17.

Drilling report for the field follows:

Lion Morgan A-1, sw4, 18-18-17; producing 189 barrels daily on 4-64 inch choke.

Lion Marine No. 1, sw4, 17-18-17; set casing at 2,291 feet.

Lion Morgan B-3, nw4, se4, 18-18-17; set 101 feet of 16-inch casing.

Lion D. S. and J. C. Morgan, C-1, se4, se4, 18-18-17; rigging up.

Lion Morgan B-4, sw4, se4, 18-18-17; rigging up.

Lion Justiss A-1, nw3, ne4, 19-18-17; rigging up to deepen from 6,012.

Jones et al, Marine No. 1, sw4, se4, 17-18-17; producing 2,475 barrels daily on two-inch choke from depth of 7,574 feet.

Jones et al, Marine No. 2, nw4, se4, 17-18-17; drilling below 5,562.

Jones et al, Marine No. 3, nw4, se4, 17-18-17; rigging up.

Jones et al, Marine No. 4, sw4, se4, 17-18-17; drilling below 3,872 feet.

Marine Justiss No. 2, sw4, lot 7, nw4, 18-18-17; drilling below 3,937 feet.

Alice Sidney, D. S. and J. C. Morgan No. 2, ne4, se4, 18-18-17; drilling below 7,000 feet.

Phillips, Ed Gan No. 1, se4, ne4, 18-18-17; drilling below 6,900 feet.

Phillips Jennings No. 1, sw4, ne4, 18-18-17; drilling below 1,750 feet.

Casing Set for Test of Union County Wildcat

El Dorado—W. D. Wingfield has set casing for final testing of the shallow sand in the Southern Kraft Corporation No. 1 well in section 18-16-14.

Casing was set at depth of 2,720 feet. No drill stem test was made at that depth. A good showing was obtained in coring similar to the showings obtained at that depth in a deep test drilled nearby.

The well is in wildcat territory, lying between production in the old Smackover field and that in the Rainbow City area.

Meanwhile, in the Shuler field, two wells were below 7,000 feet in the search for the deep lime formation from which one well is producing.

One is the Morgan No. 2 of the Alice Sidney Oil Company, in section 18-18-17, drilling at 7,214 feet, and the other is the Ed Gann No. 1 of the Phillips Petroleum Company, in section 18-18-17, drilling at 7,100 feet.

Fourth Deep Test in Shuler Field Rumored

Special to the Gazette. 11-4-37

El Dorado, Nov. 3.—Locations have been made for three new deep test wells in the Shuler area west of El Dorado, and reports have been current here of another test about three miles southeast of the proven area.

Two of the new tests are by the Phillips company, offsetting producing wells in the shallow sand. The other is by the Alice Sidney company, offsetting its producer in the shallow sand.

The rumored new location is in about the center of section 22-18-17, three miles southeast of the discovery well. The exact location and name of the operator could not be learned.

The three new locations make a total of 14 in the Shuler area to the deep formation, in addition to two producers. There are now 13 producers in the field from the shallow sands, including the Lion's Justiss well, which is to be deepened, with total daily production of 4,608 barrels. The two producers in the deep sand and lime have production of 2,645 barrels, a total of 7,253 barrels daily total production from the 15 wells from all formations.

Drilling Starts. The Alice Sidney company started drilling this morning on its D. S. and J. C. Morgan No. 3 test, 430 feet south

and 330 feet east of the northwest corner of the northeast quarter of the southeast quarter of section 18-18-17. The test is 100 feet south of its No. 1 producer in the shallow sand.

The Phillips company is clearing location for its Justiss No. 2 test, 330 feet west and 430 feet north of the southeast corner of lot six in the northwest quarter of section 18-18-17, 100 feet north of its No. 1 producer in the shallow sand. Phillips also has made a location for its Marks No. 2 test, 330 feet south and 430 feet west of the northeast corner of Lot 2, in the southwest quarter of section 18-18-17.

The Alice Sidney company today was drilling at 7,310 feet on its Morgan No. 2 test in section 18-18-17 and is expected to start coring Friday for the deep sand, which was encountered at 7,500 feet in the Marine test of Jones et al.

The Phillips company, drilling at 7-200 feet in its Gan test, is expected to start coring this week-end.

Morgan C-1 Spudded In.

The Lion company is drilling at 4,080 feet on its Marine No. 1 test in section 17-18-17 and 2,278 feet on its Morgan B-3 test in section 18-18-17.

The company spudded in today on its Morgan C-1 in section 18-18-17 and is rigging up on the Morgan B-4 in the same section and is preparing to deepen its Justiss A-1 from 6,012 feet in section 19-18-17.

Jones, Murphy & Hurley are drilling at 6,144 feet on the Marine No. 2 test and at 4,823 feet on their Marine No. 4 test, both in section 17-18-17.

The Marine company is drilling at 4-082 feet on its Justiss No. 2 test in section 18-18-17. The Phillips company is waiting on cement at 1,400 feet on its Jennings No. 1 test, which was plugged from 1,700 feet to straighten the hole.

The two producers in the deep level are the Marine No. 1 of Jones et al, producing 2,510 barrels from 7,554 to 7,574 feet in section 17-18-17 and the Morgan A-1 of the Lion company, producing 135 barrels daily on a 2-64 inch choke in lime from a depth below 7,600.

Production from shallow producers follows:

Lion Oil Refining Company Morgan A lease, two wells, 1,500 barrels; Morgan B lease, two wells, 1,550 barrels; Justiss lease, 50 barrels; Phillips company, Justiss well, 173 barrels; Marks well, 436 barrels; Rosen well, 118 barrels; Marine company, Justiss well, 350 barrels; Jones and Fee wells, 200 barrels; Alice Sidney company, Morgan well, 207 barrels; Jones et al, Murphy A well, 24 barrels.

Alice Sidney Crew Coring Shuler Well

Democrat 11-7-37

May Be Next Producer in Field; Lion Drilling Three Tests.

El Dorado—Coring operations to the Jones deep sand in the Shuler field west of El Dorado, were started Saturday afternoon on the D. S. and J. C. Morgan No. 2 of the Alice Sidney Oil Company at a depth of about 7,500 feet.

Operators were drilling Saturday at 7,488 feet and were expected to encounter the sand at about 7,553 feet in the Jones, Murphy and Hurley test, in section 17-18-17, about half a mile east of the Alice Sidney well.

The Morgan test is one which was deepened from the shallow sands at about 6,000 feet.

Another crew expected to start coring soon is that on the Ed Gan No. 1 of the Phillips Petroleum Company, drilling at 7,389 feet. It is also located in section 18-18-17 and is a producer in the shallow sand.

The Lion Company is drilling on three tests, one in 17-18-17 and two in 18-18-17. The Marine No. 1 is below 4,790 feet, the Morgan B-3 below 2,365, and the Morgan C-1 below 345.

Jones et al are drilling on two tests which are expected to near the sand in about a week. The Marine No. 2 is below 6,523 feet, and the Marine No. 4 below 5,287 feet.

The Marine Company is drilling below 4,615 feet on its Justiss No. 2, and the Phillips Company is drilling below 1,722 feet on its Jennings No. 1. The Alice Sidney Company is drilling below surface casing on its Morgan No. 3.

Field Report. Saturday's drilling report follows: Lion, Morgan A-1, SW 1-4, 18-18-17, producing 135 barrels daily on 2-64 inch choke.

Lion, Marine No. 1, SE 1-4, SW 1-4, 17-18-17, drilling at 4,790 feet.

Lion, Morgan B-3, NW 1-4, SE 1-4, 18-18-17, set casing at 2,365 feet.

Lion D. S. and J. C. Morgan, C-1, SE 1-4, 18-18-17, drilling at 345 feet.

Lion, Morgan B-4, SW 1-4, SE 1-4, 18-18-17, rigging up.

Lion, Justiss A-1, NW 1-3, NE 1-4, 19-18-17, rigging up to deepen from 6,012, derrick completed.

Jones et al, Marine No. 1, SE 1-4, daily on two-inch choke from 7,554-17-18-17, producing 2,509 barrels 7,554 feet.

Jones et al, Marine No. 2, SE 1-4, 17-18-17, drilling at 6,523 feet.

Jones et al, Marine No. 4, SW 1-4, SE 1-4, 17-18-17, drilling at 5,287 feet.

Marine, Justiss No. 2, lot 7, NW 1-4, 18-18-17, drilling at 4,615 feet.

Alice Sidney, D. S. and J. C. Morgan No. 2, NE 1-4, SE 1-4, 18-18-17, drilling at 7,488; to start coring Sunday.

Alice Sidney, D. S. and J. C. Morgan No. 3, NE 1-4, SE 1-4, 18-18-17, drilling below surface casing.

Phillips, Ed Gan No. 1, SE 1-4, NE 1-4, 18-18-17, drilling at 7,389 feet.

Phillips-Jennings No. 1, SW 1-4, NE 1-4, 18-18-17, drilling at 1,722.

Phillips, Justiss No. 2, lot 6, NW 1-4, 18-18-17, clearing location.

Phillips, Marks No. 2, lot 2, SW 1-4, 18-18-17, location made.

Morgan No. 2 Test Makes Good Showing of Oil.

Special to the Gazette. 11-10-37

El Dorado, Nov. 9.—A good oil showing in a sand and shale mixture was reported cored at from 5,544 to 5,554 feet today in the D. S. and J. C. Morgan No. 2 deep test well of the Alice Sidney Oil Company in the Shuler area.

The previous core had shown a oil saturation in the bottom part of the core, indicating that the well was nearing the Jones sand.

After taking the core this morning, operators began work of reaming down from 5,504 to 5,554 feet, and it was expected that the operation would not be completed late tonight. Coring will be resumed after the reaming job is completed.

The Alice Sidney test is about midway between the Marine No. 1 producer of Jones et al in Section 17-18-18, which is producing 2,500 barrels daily from the sand, and the Morgan No. 1 test of the Lion company in Section 18-18-17, which cored about 70 feet of the Jones sand but went below the sand and was completed in the big lime. The Alice Sidney test is the third well to encounter the deep sand.

Two Shuler Area Tests Go Into Jones Deep Sand.

Special to the Gazette. 11-12-37

El Dorado, Nov. 11.—Interest in the Shuler area today centered on operations on two wells that have encountered the Jones deep sand and are coring heavy oil saturations.

They are the D. S. and J. C. Morgan No. 2 test of the Alice Sidney Company and the Gan No. 1 of the Phillips Company, both of which were deepened from the shallow formations. Both are in section 18-18-17.

The Alice Sidney Company has cored to a depth of 7,583 feet. The last two cores from 7,554 to 7,566 and from 7,566 to 7,583 feet showed heavy oil saturation. The sand was encountered at a depth slightly above 7,544 feet. A total of 39 feet of oil saturated sand has been cored.

The Phillips Company has cored 15 feet of the heavy oil saturation from 7,533 to 7,548 feet.

Coring will continue in both tests.

The Marine Oil Company obtained a permit to drill another deep test in the area. The well will be the Fee No. 3, located 230 feet east and 430 feet north of the southwest corner of the northwest quarter of the southwest quarter of section 17-18-17. The test is near the Fee No. 1 test, drilled to the shallow sand.

Nine wells are drilling in the area, one preparing to deepen from the shallow sand and four rigging up for drilling.

Board Hearing Today. A special meeting of the Arkansas State Board of Conservation will be held at the courthouse here tomorrow when testimony will be taken to determine if the allocation order issued by the board for Miller county shall become effective November 16.

A large delegation from Texarkana is expected.

Shuler Field Report. 37

The drilling report at Shuler follows: Democrat 11-14-

Lion, Morgan A-1, lot 1, sw 1-4, 18-18-17; producing 135 barrels daily on 2-64 inch choke.

Lion, Marine No. 1, se 1-4, 17-18-17; drilling below 5,825 feet.

Lion, Morgan B-3, nw 1-4, se 1-4, 18-18-17; drilling at 4,380 feet.

Lion D. S. and J. C. Morgan, se 1-4, se 1-4, 18-18-17; drilling below 2,340 feet.

Lion, Morgan B-4, sw 1-4, se 1-4, 18-18-17; drilling below 400 feet.

Lion, Justiss A-1, nw 1-4, ne 1-4, 19-18-17; drilling below 6,050 feet.

Jones et al, Marine No. 1, sw 1-4, se 1-4, 17-18-17; producing 2,469 barrels daily on two-inch choke from depth of 7,554-7,574.

Jones et al, Marine No. 2, nw 1-4, se 1-4, 17-18-17; drilling below 7,432 feet.

Jones et al, Marine No. 4, sw 1-4, se 1-4, 17-18-17; drilling below 6,051 feet.

Marine, Justiss No. 2, lot 7, nw 1-4, 18-18-17; drilling below 5,566 feet.

Marine, Fee No. 3, nw, sw, 17-18-17, location made.

Alice Sidney, D. S. and J. C. Morgan No. 2, ne 1-4, se 1-4, 18-18-17; coring below 7,636 feet.

Alice Sidney, D. S. and J. C. Morgan No. 3, ne 1-4, se 1-4, 18-18-17, drilling below 2,000 feet.

Phillips, Ed Gan No. 1, se 1-4, ne 1-4, 18-18-17; coring in Jones sand below 7,588 feet.

Phillips-Jennings No. 1, sw 1-4, ne 1-4, 18-18-17; set 2,582 feet 10 3-4 inch casing.

Phillips, Justiss No. 2, lot 6, nw 1-4, 18-18-17; rigging up.

Phillips, Marks No. 2, lot 2, sw 1-4, 18-18-17; digging cellar.

Phillips, First National Bank No. 1, ne, sw, 17-18-17; clearing location.

Alice Sidney Well Expected To Be Tested Monday.

Special to the Gazette. 11-27-37

El Dorado, Nov. 26.—Operations preliminary to final testing were started today by the Alice Sidney Oil Company on its D. S. and J. C. Morgan No. 2 test in section 18-18-17, in the Shuler area west of El Dorado. Final testing is expected to start Monday.

The plug was drilled today, and casing will be perforated tomorrow. Tubing will be run into the hole tomorrow night and Sunday, and it is expected that washing will start Monday.

Casing was set last week at a depth of 7,572 feet after the well was drilled to the big lime formation below 7,600 feet.

Operators obtained more than 50 feet of heavily saturated oil sand in the Jones formation from 7,545 feet to 7,600 feet. They plan to perforate in the top section of the Jones sand from 7,550 to 7,565 feet.

Jones, Murphy & Hurley continued coring in dense lime formation at a depth of 7,860 feet in their Marine No. 2 test in section 17-18-17, which promises to become the deepest test drilled in Arkansas. The Gulf Company drilled its Werner test slightly below 8,000 feet in the Griffin area of the Smackover field several years ago. The same operators still are occupied with a fishing job on their Marine No. 4 test in the same section.

The Phillips Company has completed setting casing at 7,700 feet on its Gan No. 1 test in section 18-18-17, and final testing is expected to start next week.

Unconfirmed reports were current here today that pipe line companies running production from the Miller county section of the Rodessa field plan to reduce their runs from Miller county to 200 barrels per day for a trial period of from two weeks to 30 days. The move was said to have become effective at 7 a. m. today.

One Well Now Being Tested; 13 Drilling

Democrat 11-28-37

El Dorado—Final testing has been started on one deep well in the Shuler area and testing of another is expected to be started next week.

Operations are under way on 13 other wells and another is being rigged up to start operations in a short time. Two producers have been completed, one in the Jones sand and the other in the Reynolds lime.

Plug was drilled Friday on the Morgan No. 2 of the Alice Sidney Company, in section 18-18-17, and washing will be started Monday. Perforation of casing was under way Saturday from 7,550 to 7,565 feet in a 55-foot section of heavily saturated oil sand from 7,545 to 7,600 feet. Tubing will be run in the hole Sunday.

The Phillips Petroleum Company is waiting on casing at a total depth of 7,700 feet in its Gan No. 1, in section 18-18-17, and final testing is expected about the middle of the coming week.

Operators on the Marine No. 2 of Jones, Murphy and Hurley Saturday continued coring in dense lime at 7,870 feet. A four-foot core was cut from 7,865 to 7,870 feet.

Saturday's drilling report follows: Lion and Phillips Morgan A-1, sw 4, 18-18-17, producing 651 barrels daily on 20-64-inch choke. Lion, Marine No. 1, sw4, 17-18-17, drilling below 6,975 feet. Lion, Morgan B-3, se4, 18-18-17, drilling below 6,141 feet. Lion, Phillips and Jones, D. S. and J. C. Morgan C-1, se4, 18-18-17, drilling below 5,264 feet. Lion, Morgan B4, sw4, se4, 18-18-17, drilling at 3,957 feet. Lion Justiss, nw4, ne4, 19-18-17, drilling below 6,642 feet.

Jones et al, Marine No. 1, se4 17-18-17, producing 2,423 barrels daily on two-inch choke from depth of 7,554-7,574 feet. Jones et al, Marine No. 2, se4 17-18-17, coring in dense lime below 7,870 feet. Jones et al, Marine No. 4, se 17-18-17, fishing around 7,021 feet.

Marine, Justiss No. 2, lot 7, nw4, 18-18-17, drilling below 6,606 feet. Marine, Fee No. 3, nw, sw, 17-18-17, drilling at 550 feet.

Alice Sidney D. S. and J. C. Morgan No. 2, ne4, se4, 18-18-17, preparing to perforate Alice Sidney D. S. and J. C. Morgan No. 3, ne4, se4, 18-

18-17, drilling below 2,700 feet. Phillips Ed Gan No. 1, se4, ne4, 18-18-17, waiting on casing at 7,700 feet.

Phillips Jennings No. 1, sw4 new4 18-18-17, drilling at 5,505 feet. Phillips Justiss No. 2, lot 6, nw4 18-18-17, set 10-inch casing at 2,267 feet. Phillips Marks No. 2, lot 2, sw4 18-18-17, drilling at 1,182 feet. Phillips National No. 1, ne, sw, 17-18-17, building derrick.

Morgan No. 2 Well Ready For Final Testing.

Special to the Gazette. 11-30-37

El Dorado, Nov. 29.—Casing was perforated and other preliminaries finished today on the D. S. and J. C. Morgan No. 2 of the Alice Sidney Oil Company in 18-18-17, and the crew will start washing the well in early tomorrow. Casing was perforated in the Jones sand at 7,553

The well was washed and an air jammer was used to induce a stronger flow. The rate of flow was reported as from 85 to 100 barrels an hour. The gravity is 32.1 and the temperature 112 degrees. Operators believed the small water content of eight-tenths of one per cent would vanish when all the wash water used had been expelled.

Morgan No. 2 Flowing 1,120 Barrels Daily

Special to the Gazette. 12-2-37

El Dorado, Dec. 1.—The Morgan No. 2 test of the Alice Sidney Oil Company, completed yesterday as the third deep producer in the Shuler field, produced 1,365 barrels of oil in the first 18 hours after its completion, and today was flowing through a one-inch choke at the rate of about 80 barrels an hour.

The oil is of 32 gravity and has a temperature of 118 degrees. In addition to the oil the well is producing about 1,500,000 cubic feet of gas daily.

Operators on the Ed Gann No. 1 of the Phillips Petroleum Company were drilling the plug at 7,668 feet and plan to perforate the casing as soon as the work is completed. It is expected that washing operations will be started tomorrow.

Marine 2 Ready Soon.

Another completion expected in about a week is the Marine No. 2 test of Jones, Murphy & Hurley, in section 17-18-17. After drilling to 7,950 feet for the second deepest test in the state, operators today were running seven-inch casing which is to be set at about 7,693 feet. It is expected that testing will be made of the Jones sand.

Oil production of the Marine No. 1 discovery well of Jones, Murphy & Hurley showed an increase in the production of salt water. The well produced 1,359 barrels of oil yesterday as compared with 2,383 barrels Monday, and water production was from 40 to 80 per cent of the flow of the well. It is producing on a two-inch choke.

Special to the Gazette. 12-2-37

Morgan Well Flowing 80 Barrels an Hour

El Dorado.—The Alice Sidney Oil Company's Morgan No. 2 well, completed Tuesday, was reported making about 80 barrels of oil per hour, or at the rate of 1,900 barrels a day. In the first 18 hours it flowed 1,365 barrels. It also is producing about 1,500,000 feet of gas daily. The oil is 32 gravity and is flowing through a one-inch choke. This well is the third deep producer in the Shuler field.

Washington was to begin today on the Ed Gann No. 1 of the Phillips Petroleum Company. The plug was drilled yesterday at 7,668 feet.

Ed Gan No.1 Nears Completion, Showing Much Promise.

Special to the Gazette. 12-3-37

El Dorado, Dec. 2.—Another producer from the Jones deep sand in the Shuler field is expected this week-end when Phillips Petroleum Company makes final test of its Ed Gan No. 1 well in SW-SE-NE of 18-18-17. Perforation of casing began today and washing is scheduled for tomorrow or Saturday. Perforation will be at three points between 7,533 and 7,593 feet.

Jones, Murphy and Hurley have set casing at 7,679 in the big lime on their Marine No. 2 in 17-18-17 for final testing next week. The well was drilled to 7,950 for a log of the formation. It is the deepest in Shuler and the second deepest in Arkansas.

The Alice Sidney Oil Company's D. S. and J. C. Morgan No. 2 in NW-NE-SE 18-18-17, completed three days ago at 7,553-68 in the Jones sand, is holding its own as a big producer at about 80 barrels per day, with 1,500,000 feet of gas. Production from the well yesterday totaled 1,775 barrels on a one-inch choke. Tubing pressure is 325 and casing 950 pounds.

While the Morgan A-1 of Lion Oil has increased its flow during the past few weeks to 600 barrels daily and 16,000,000 feet of gas, Marine No. 1 of Jones, et al., discovery test of the Jones sand, has dripped to about 950 barrels after flowing more than 2,400 daily for several weeks. Much water has shown up in this well.

Completion of Phillips Well Slowed Down

Perforate Casing in Gann No. 1—Four Wells to

Core Soon.

Special to the Gazette. 12-5-37
El Dorado.—Final testing of one well in the Shuler field was delayed Saturday until Sunday and possibly Monday. Four other wells were below the 7,000-foot level and coring probably will begin within a few days.

Completion of the Ed Gann No. 1 of the Phillips Petroleum Company, in section 18-18-17, was delayed as progress in perforating the casing was slowed. The crew and field followers had expected that washing operations would begin late Saturday.

The casing is being perforated at three levels in the Jones sand from depths of 7,535 to 7,953 feet.

Another test which will be watched closely is the Marine No. 1 of Jones, Murphy and Hurley which several days ago began producing large quantities of salt water. Operators have announced plans to make a "squeeze job" on the well in an effort to cement off the water.

Prior to the difficulties the well produced 2,400 to 2,500 barrels of oil daily on a two-inch choke. A few days ago the oil production was cut down with the well making from 60 to 80 per cent salt water and only from 900 to 1,000 barrels of oil.

Operators announced Saturday that derrick is being erected at the well and the flow will be killed, tubing pulled, and the "squeeze job" started. Petroleum engineers expressed the opinion that the water is coming from a sand above the oil sand.

The Alice Sidney well completed in the same sand is making no salt water.

The Jones-Murphy well is the discovery well in the Jones sand and has produced more than 100,000 barrels of oil.

The Alice Sidney producer continues its big production and in the 24 hours ending at 7 o'clock Saturday morning produced 1,842 barrels of oil and about 1,500,000 cubic feet of gas.

Coring operations for the Jones sand are expected early the coming week on the Marine No. 1 of the Lion Oil Refining Company, in section 17-18-17, which was drilling below 7,455 feet.

Saturday's drilling report follows: Lion and Phillips' Morgan A-1, SW 1-4, 18-18-17; producing 650 barrels daily on 20-64 inch choke. Lion's Marine No. 1, SW 1-4, 17-18-17, drilling below 7,455 feet. Lion's Morgan B-3, SE 1-4, 18-18-17, drilling below 6,822 feet. Lion, Phillips and Jones D. S. and J. C. Morgan C-1, SE 1-4, 18-18-17, drilling below 5,740 feet. Lion's Morgan B-4, SE 1-4, 18-18-17, drilling at 5,056 feet. Lion's Justiss A-1, NE 1-4, 19-18-17, drilling below 7,003 feet.

Jones et al. Marine No. 1, SE 1-4, 17-18-17, rigging up for squeeze job. Jones et al. Marine No. 2, SE 1-4, 17-18-17, casing set at 7,693 feet. Jones et al. Marine No. 4, SE 1-4, 17-18-17, set new whipstock at 6,897 feet.

Marine's Justiss No. 2, lot 7, NW 1-4, 18-18-17, drilling below 7,091 feet. Marine's Fee No. 3, SW 1-4, 17-18-17, drilling at 2,225 feet.

Alice Sidney's D. S. and J. C. Morgan No. 2, SE 1-4, 18-18-17, producing 80 barrels per hour through one-inch choke. Alice Sidney's D. S. and J. C. Morgan's No. 3, SE 1-4, 18-18-17, drilling below 4,028 feet.

Phillips' Ed Gann No. 1, NE 1-4, 18-18-17, perforating casing. Phillips' Jennings No. 1, NE 1-4, 18-18-17, drilling at 6,170 feet. Phillips' Justiss No. 2, lot 6, NW 1-4, 18-18-17, drilling at 3,647 feet. Phillips' Marks No. 2, lot 2, SW 1-4, 18-18-17, set casing at 2,440 feet. Phillips' National No. 1, SW 1-4, 17-18-17, derrick completed.

Another Completion in Shuler Expected Today.

Special to the Gazette. 12-6-37

El Dorado, Dec. 5.—Another completion from the big lime of the Shuler field is expected tomorrow when the Phillips Petroleum Company is scheduled to bring in its Ed Gan No. 1 in section 18-18-17. Perforation of casing bottomed at 7,693 feet, was being completed tonight and washing will be started early tomorrow.

The Phillips well is the second to set casing in the big lime. Lion Oil's Edna Morgan A1 is the only completion from this formation and is now making about 600 barrels daily.

At least four other wells are nearing the coring stage and more than half a dozen are dring at various stages.

Proration for Shuler may be discussed at the meeting of the Arkansas Conservation Board here tomorrow, although the board has given out no statement.

Phillips Completes Big Producer In Jones Sand.

Special to the Gazette. 12-7-37

El Dorado, Dec. 6.—The Phillips Petroleum Company completed its Ed Gann No. 1 test in the Shuler field today for the largest producer yet completed in the Jones sand. The well is flowing at a rate gauged at slightly less than 4,000 barrels a day and is producing gas at a rate in excess of 1,350,000 cubic feet a day. It is the third producer in the Jones sand. Others are the Marine No. 1 of Jones Murphy and Hurley in Section 17-18-17 and the Morgan No. 2 of the Alice Sidney Company.

The Gann test was deepened from the shallow Morgan sand at around 6,000 feet. It was completed through casing perforations from 7,535 to 7,560 feet. The well started flowing after it had been washed for only one hour and 50 minutes. The flow was turned into the tanks at noon and production tests made throughout the afternoon on various-sized chokes. On a 50-64 inch choke the well flowed at the rate of 85 barrels an hour. On a one-inch choke the flow was at the rate of 120

barrels an hour. On a choke of one and one-half inches, the well produced at the rate of 165 barrels an hour. The well now is flowing on a one and one-half inch choke and is producing at the rate of 3,960 barrels daily with 1,385,000 cubic feet of gas. The gas oil ratio of the well is 350 cubic feet of gas to one barrel of oil which is unusually low. The oil is of about 30 gravity and the well still is producing about three percent wash water. There has been no trace of salt water. The well is located in section 18-18-17.

The Alice Sidney well which was completed last week in the Jones sand after being deepened from the shallow Morgan sands has increased its production and is flowing at the rate of 1,928 barrels daily through a one-inch choke.

The discovery well in the Jones sand, the Marine No. 1 of Jones Murphy and Hurley, is producing 1,091 barrels of oil daily on a two-inch choke, but about 70 percent of the flow of the well is salt water and operators have decided to kill the well and attempt to stop the salt water flow with a "squeeze" job. The well had produced at the rate of 2,400 barrels daily until the large salt water production started last week.

The same operators are waiting on a gun perforator for final testing of its Marine No. 2 test in the same section in which casing was set in the Jones sand last week.

The Lion Oil Refining Company started coring in the Jones sand today in its Marine No. 1 test in Section 17-18-17. The first core was made from a depth of 7,520 to 6,535 feet with a 14-foot recovery. The top four and one-half feet showed shaly tight sand and the next five feet showed hard gray shale. The bottom four and one-half feet of the core showed soft sand heavily saturated with oil. Coring will be continued.

Phillips Company's Big Well
Increases Its Flow.

Special to the Gazette. 12-8-37

El Dorado, Dec. 7.—Ed Gann No. 1 well of the Phillips Petroleum Company, completed Monday as the largest producer in the Jones sand of the Shuler field increased its production today and is flowing at a rate in excess of 4,300 barrels of oil daily. It is producing at the rate of 80 barrels per hour through a choke of one and one-half inches. In the first 18 hours of production the well flowed a total of 2,826 barrels while operators were experimenting with various sized tubing chokes.

The test is located in Section 18-18-17. It was deepened from shallow Morgan sands around 6,000 feet and is the third producer to be completed in the Jones sand. The well is flowing a small amount of mud and wash water but there has been no showing of salt water. Gas-oil ratio is about 350 cubic feet of gas for each barrel of oil.

Oil men also are watching operations on the Marine No. 2 test of Jones, Murphy & Hurley in Section 17-18-17, a north offset to the Marine No. 1 discovery well in the Jones sand. Operators perforated casing from 7,585 to 7,607 feet with 94 shots today and are running tubing tonight. It is expected that washing will be started in the morning. Casing was set in the Jones sand last week after the well had been drilled to a depth of 7,950 feet to become the second deepest well in the state.

After coring more than four feet of heavily saturated oil sand from 7,531 to 7,535 feet, operators on the Marine No. 1 test of the Lion Oil Refining Company ran into difficulties when a drill pipe became stuck in the hole today. Oil is being circulated in the hole in an effort to free the pipe. The test is located in Section 17-18-17 and is a west offset to the Marine No. 1 test of Jones, Murphy & Hurley.

Jones Sand Yields Fourth Producer

Special to the Gazette. 12-9-37

El Dorado, Dec. 8.—The fourth producer in the Jones deep sand of the Shuler area west of El Dorado was completed this afternoon when the Marine No. 2 test of Jones, Murphy & Hurley in Section 17-18-17, began flowing through tubing after having been washed with water in the morning and oil in the afternoon.

The well was flowing at the rate of 75 barrels of oil an hour through a one-inch tubing choke with about three per cent wash water tonight. There is no showing of salt water.

Washing operations were started after the casing had been perforated with 94 shots from 7,585 to 7,607 feet. Then the well began to flow under its own pressure.

It is the fourth completion from the Jones sand at about 7,500 feet, and is the second producer to be completed from that level by Jones and associates. It is a north offset to the Marine No. 1 test of the same operators which was the discovery well in the sand.

The same operators are drilling below 7,075 feet on the Marine No. 3 test, southeast of the No. 1 producer, and have made location for the Marine No. 4 test northeast of the newest producer.

The four producers from the Jones sand have total daily production of 9,136 barrels. Marine No. 1 is producing 1,123, the Morgan No. 2 of the Alice Sidney Company in Section 18-18-17 is producing 1,965 barrels on a one-inch choke, and the Ed Gann No. 1 of the Phillips Company in Section 18-18-17, the largest producer in the field, is producing 4,284 barrels on a one and a half-inch choke.

The Marine No. 1 test is the only well in the Jones sand making any showing of salt water operators have announced.

Stuck Drill Pipe Freed.

Operators on the Marine No. 1 test of the Lion Oil Company, a west offset to the Marine No. 1 of Jones et al., in Section 17-18-17, succeeded in releasing a stuck drill pipe today and after reconditioning the hole, will resume coring. The well had encountered four and a half feet of heavily saturated oil sand in the first core from 7,531 to 7,535 feet before the drill pipe became stuck.

They said that the department has approved the allocation orders for the Shuler and Miller county fields promulgated by the state Conservation Board. They are inspecting the two fields to make sure the order is being complied with. They found satisfactory conditions in the Shuler field and will go to Texarkana tomorrow.

Lion Due to Bring In Next Deep Producer

Marine No. 1 in Jones Sand—Salt Water in One Shuler Well
Democrat 12-12-37

El Dorado—More than 50 feet of heavily saturated oil sand in the Jones formation has been cored in the Marine No. 1 test of the Lion Oil Refining Company and operators are continuing coring operations.

The oil formation was encountered at a depth of 7,518 feet in the first core, which was bottomed at 7,535 feet. In the second core, taken from 7,535 to 7,553 feet, more oil sand was encountered and in the third core, from 7,553 to 7,571 feet, fairly porous, heavily saturated oil sand was recovered.

Operators announced plans to continue coring operations and it is expected that as soon as the formation is thoroughly cored, casing will be set for final operations without a drill stem test.

The Jones well is located in section 17-18-17, and is a west offset to the Marine No. 1 of Jones, Murphy and Hurley, the discovery well in the Jones sand.

Operators on the Marine test of Jones et al. were preparing to make a squeeze job on the well in an effort to cement off salt water, which began flowing in large quantities this week. Tubing was pulled on the well Friday night. It is believed the well will be recompleted the coming week.

Three other tests have been completed in the Jones sand and none made salt water, and field followers are of the opinion that the water in the Jones test is coming from a stratum above the Jones sand level.

Recent completions in the Jones sand are the Morgan No. 2 of the Alice Sidney Oil Company, in section 18-18-17, flowing at the rate of 1,970 barrels daily through a one-inch choke; the Marine No. 2 of Jones, Murphy and Hurley, in section 17-18-17, producing 1,100 barrels daily, and the Ed Gann No. 1 of the Phillips Petroleum Company, section 18-18-17. The Gann well has

been closed in for the taking of bottom hole pressure tests. When it was allowed to flow on a one-and-one-half-inch choke it produced in excess of 4,000 barrels of oil daily.

The Phillips Company has started operations on its National No. 1, in section 17-18-17, and has set casing at 2,220 feet.

Seven other wells are being drilled in the area and four are expected to start coring for the Jones sand in a short time. They are the Justiss No. 2 of the Marine Oil Company, section 18-18-17, drilling at 7,494 feet; the Marine No. 4 of Jones, Murphy and Hurley, in section 17-18-17, drilling below 7,412 feet; the Justiss A-1 of Lion Company, section 19-18-17, drilling below 7,361 feet, and the Morgan B-3 of the Lion Company, section 18-18-17, drilling below 7,323 feet.

Reaming Of Lion's Marine No. 1 Starts

Special to the Gazette. 12-14-37

El Dorado, Dec. 13.—After coring more than 68 feet of heavily saturated oil sand in the Jones formation the Lion Oil Refining Company today was reaming to the bottom of the hole at 7,645 feet in the Marine No. 1 test, in section 17-18-17, preliminary to testing the well.

Operators encountered the Jones formation at 7,518 feet and cored through the sand at 7,586 feet. Coring was continued and the top of the lime formation was logged at 7,623 feet and was cored to 7,645 with no showing of oil or gas. Operators will set casing at that depth for testing the Jones sand. The test is a west off-set to the Marine No. 1 discovery well of Jones, Murphy & Hurley.

Drill Pipe Lost.

Operators on the Morgan B-3 test of the Lion Company, in section 18-18-17, ran into difficulties when seven joints of drill pipe and a drill collar were twisted off in the hole at 7,382 feet, presumably from a washout.

Marine No. 4 Coring.

Coring operations in the Jones sand are under way on the Marine No. 4

of Jones, Murphy & Hurley, in section 17-18-17, and the Justiss No. 2 of the Marine Company, in section 18-18-17. In a core from 7,510 to 7,530 in the Marine No. 4 of Jones et al. 16 feet of gray and black shale and four feet of hard oil saturated sand were recovered. On the next core from 7,530 to 7,500 feet operators recovered five feet of hard gray shale, seven feet of soft saturated oil sand, one foot of hard gray shale and five feet of saturated sand. The next core from 7,550 to 7,569 feet showed about five feet of gray sandy shale and about 12 feet of oil saturated sand. Operators are reaming to the bottom of the hole and will continue coring operations. The test is located southeast of the Marine No. 1 discovery test of the same operators.

Squeeze Operation.

Jones et al have completed the squeeze operation on the Marine No. 1 discovery well which began producing large quantities of soft water a week ago. Two hundred sacks of cement were used.

Operators on the Justiss No. 2 test of the Marine Oil Company, in section 18-18-17, have taken two cores, both showing oil saturated sand. The first core, from 7,520 to 7,540 feet, showed eight feet of light gray sand with gas odor and eight feet of soft well saturated sand. The next core from 7,540 to 7,560 feet showed 20 feet of heavily saturated oil sand. Operators are reaming to the bottom to continue coring.

One other test in the Shuler area, the Justiss No. 1 of the Lion Company, in section 19-18-17, is drilling below 7,443 feet, and coring operations are expected to be started in a few days.

Coring Resumed on Marine No. 1; Oil Sand Encountered.

Special to the Gazette. 12-11-37

El Dorado, Dec. 10.—Operators on the Marine No. 1 test of the Lion Oil Refining Company in Section 17-18-17 resumed coring today and obtained 18 feet of heavily saturated oil sand in a core from 7,535 to 7,553 feet. Coring will continue.

Four and a half feet of heavily saturated oil sand were obtained in a previous core at a depth of 7,531.5 to 7,535 feet before the drill pipe became stuck in the hole. Operator were delayed while crews released the pipe.

The Phillips Petroleum Company has closed in its big Ed Gann No. 1 producer in Section 18-18-17 to take bottom hole pressure tests.

Lion Sets Casing for Final Test On Marine No. 1

Gazette 12-15-37

El Dorado, Dec. 14.—The Lion Oil Refining Company set casing today for final testing of its Marine No. 1 deep test in section 17-18-17 in the Shuler area. Casing was set at a depth of 7,645 feet after 68 feet of heavily saturated oil sand had been encountered. State conservation laws require that casing be allowed to set five days before testing is started.

The same operators recovered seven joints of drill pipe and a drill collar twisted off in the hole on the Morgan B3 test, and are reconditioning the hole before drilling below 7,450 feet. It is expected that coring will be started on the test this week-end at about 7,500 feet.

Jones, Murphy and Hurley cored from 7,569 to 7,589 feet in their Marine No. 4 test today and obtained a good showing of oil in saturated sand. Several previous cores showed heavy saturation. Operators will drill to 7,594 feet before coring is resumed.

Crews on the Justiss No. 2 test of the Marine Oil Company took two cores from 7,560 to 7,580 and from 7,580 to 7,592 feet, with both showing heavy oil saturation. Operators are now reaming to the bottom.

Much Activity in Progress in Shuler Oil Field.

Special to the Gazette. 12-17-37

El Dorado, Dec. 16.—Plug was being drilled today at a depth of 7,522 feet by Jones, Murphy & Hurley on the Marine No. 1 test, in section 17-18-17, for recompletion after a squeeze job on the well, made necessary by the production of salt water in large quantities. It was expected that tubing will be run in the hole tomorrow and the well recompleted this week-end.

Operators on the Marine No. 1 test of the Lion Oil Refining Company, in section 17-18-17, a west offset to the Marine No. 1 test of Jones et al are waiting on cement for final testing at a depth of 7,645 feet in which more than 60 feet of heavily saturated oil sand was encountered in coring operations.

Marine 4 Casing Set.

The same operators were setting casing today at 7,604 feet in the Marine No. 4 test in section 17-18-17, southeast of the discovery well, in the Jones sand. It is expected that final testing will be started early next week.

The Marine Oil Company is reconditioning a hole after recovering three

joints of drill pipe, collar and bit which twisted off yesterday at a depth of about 7,590 feet. The operators had cored heavy oil saturation in the Jones sand from 7,520 to 7,585 feet. Operators are planning to set casing tomorrow or Saturday for final testing next week.

Crews on the Justiss A-1 test of the Lion company, in section 19-18-17, today were coring near the Jones sand. The first core was taken from a depth of 7,490 to 7,511 feet in hard sandy

Oil Allowable For Jones Sand Fixed

Special to the Gazette. 12-21-37

El Dorado, Dec. 20.—A per well allowable of 400 barrels a day for the Jones sand of the Shuler area of Union county, effective January 1, was established by the Arkansas state Board of Conservation at a special meeting here today.

The board announced also that the three proposed substitutes for its allocation order for the south Miller county field had been rejected and that the board's allocation order of approximately 10,000 barrels daily for the field will become effective January 1.

Suggestions for casing and spacing program for the Buckner area of Columbia county were heard and taken under advisement.

Miller Field Allowable.

The per well allowable for the Miller county field will be fixed by the Conservation Department Wednesday based on acreage, bottom hole pressure and gas-oil ratio. Fifty per cent of the well's allowable will be based on acreage and 50 per cent of gas-oil ratio and bottom hole pressure.

The three substitute proposals were submitted at a recent special meeting of the board. Senator H. M. Barney of Texarkana proposed an allocation order based on bottom hole pressure and gas-oil ratio, and set out a proposed set of well allowables. The second proposal, by Charles Wine, Texarkana lawyer, proposed a per well allowable based only on gas-oil ratio. A Mr. Grasty, Miller county operator, proposed that allowables be based 25 per cent on acreage and 75 per cent on gas-oil ratio and bottom hole pressure. There are about 54 producing wells in Miller county.

Jones Sand Production.

The maximum per well allowable for the Jones sand of the Shuler field will be 400 barrels a day with a well's production being fixed on its gas-oil ratio and bottom hole pressure as a basis for 50 per cent of its allowable, and acreage as the basis for the other 50 per cent. The spacing program as set several weeks ago calls for one well to 20 acres. Under the board's rules the gas-oil ratio cannot exceed 2,000 cubic feet of gas per barrel of oil produced.

Allocation of production from Reynolds lime will be considered at the next meeting of the board, January 10. There are four producers in the Jones sand in the Shuler area and one from the Reynolds lime.

Columbia County Program.

Testimony for proposed rules and regulations for a casing and spacing program at Buckner, in Columbia county, was presented by the Standard Oil Company which recently completed its McKean No. 1 test in that area for producer of 400 barrels a day on a one-eighth-inch choke. Engineers for the Standard recommended a spacing of one well to 40 acres with special provisions for small landowners. It was brought out that the producing level at Buckner is between 7,200 and 7,260 feet with a water level existing from about 7,256 to 7,309 feet. It also was recommended that future wells in the area be treated with acid as tests on the discovery well showed that the formation is 99 per cent soluble in acid. With this treatment, it was testified that one well would drain an area of at least 40 acres. The discovery well was drilled to 7,309 feet and successfully plugged back to 7,258 feet, at which depth it was finally completed.

The witnesses recommended a minimum of 100 feet of surface casing, a minimum of 1,700 feet of intermediate casing and the oil string all to be well cemented.

J. R. McWilliams of Shreveport, production superintendent for the Standard, declared that after the Buckner area is fairly well drilled, a production allowable of 200 barrels a day would be sufficient to drain the pool in keeping with the water drive force and gas energy in the oil.

Jones et al. Marine No. 1 Recompleted

Special to the Gazette.

El Dorado, Dec. 20.—Jones, Murphy & Hurley have recompleted their Marine No. 1 test, in Section 17-18-17, the discovery well in the Jones sand, for a producer of 50 barrels an hour through a half-inch choke with no showing of salt water.

Washing operations were started yesterday morning, and oil was circulated in the hole in the afternoon, after which the well started flowing. The well flowed at the rate of 50 barrels an hour into the tanks after cleaning itself of wash water and oil. The well was placed on a one-inch choke this morning and production under that choke will not be announced until tomorrow morning.

Salt Water Flow Stopped.

Recompletion of the well was made necessary because of large quantities of salt water produced before the well was "killed." The well produced 2,400 to 2,500 barrels of oil daily for several weeks and suddenly began flowing salt water in large quantities. Operators believed that the water was being produced from a sand above the oil sand, as none of the other Jones sand producers in the area made salt water showings. A squeeze job halted the salt water.

Lion Well Nearing Test.

Operators on the Marine No. 1 test of the Lion Oil Refining Company today were perforating casing for final testing of the well, a west offset to the Marine No. 1 of Jones et al. The well made good showings of oil in cores from 7,518 to 7,578 feet, and operators were perforating between those depths. It is expected that tubing will be run in the hole tonight and tomorrow and washing operations started by Wednesday.

Early Completion Expected.

Early completion is expected on the Marine No. 5 test of Jones et al. in Section 17-18-17, southeast of the Marine No. 1. Casing will be perforated tonight. Operators have not announced at what depth the pipe will be perforated. Completion of the well is expected about the middle of the week.

After coring heavy oil saturation in the Jones sand, operators on the Morgan B-3 test of the Lion company were coring ahead in the lime formation at 7,660 feet. The same operators were drilling ahead at 7,611 feet in sandy shale in the Justiss A-1 test, in Section 19-18-17, after coring heavy saturation in the Jones sand at a higher level.

Lion Co. Completes Producer In Jones Sand of Shuler Field.

Special to the Gazette. 12-22-37

El Dorado, Dec. 21.—Another producer in the Jones sand of the Shuler field was completed by the Lion Oil Refining Company today on its Marine No. 1 test in section 17-18-17. It is flowing 2,160 barrels a day through a three-quarters-inch choke. It is a west offset to the Marine No. 1 test of Jones, Murphy and Hurley, the discovery well in the Jones sand, which was recompleted yesterday for a producer of 1,200 barrels daily.

Casing on the Lion test was perforated from 7,528 to 7,564 feet with 278 shots, and washing operations started this morning. It is the fifth producer in the Jones sand below 7,500 feet. The five wells have total production of 5,860 barrels daily.

The Lion Company has made locations for two new tests in the Shuler area. The Marine No. 2 test will be 330 feet north and 330 feet east of the southwest corner of the east half of the southeast quarter of section 17-18-17. Location has been made for the Morgan B-5 test 330 feet north and 330 feet west of the southeast corner of the southeast quarter of section 18-18-17.

Week's Third Producer in Shuler Area Completed.

Special to the Gazette. 12-23-37

El Dorado, Dec. 22.—The third producer of this week was completed in the Jones sand of the Shuler area today by Jones, Murphy & Hurley, on their Marine No. 4 test in Section 17-18-17. It is the easternmost well in the Shuler area. It was reported flowing approximately 125 barrels an hour with no salt water.

Reconditioned Shuler Well Again Flows Oil

El Dorado—Reconditioned after it had developed a large flow of salt water some weeks ago, the Jones, Murphy and Hurley Marine No. 1 well, section 17-18-17, Shuler field, was brought back into circulation yesterday, making 50 barrels of oil per hour through a half-inch choke.

There was no salt water, it was reported, and his troublesome element was believed eliminated. The oil was run into tanks after the well had cleared itself of such wash water.

Prior to the bursting through of salt water the well flowed oil at the rate of about 2,500 barrels daily for several weeks.

Week's Fourth Well Comes in Christmas Day

Marine's Justiss No. 2 Makes Best Showing in Shuler Area.

El Dorado—The Marine Oil Company completed its Justiss No. 2, in section 18-18-17, in the Shuler field Saturday as a producer, which oil men conservatively estimated as being good for 10,000 barrels daily if allowed to flow freely.

Completed in the Jones sand, the well flowed an average of 69 barrels an hour through a quarter-inch choke in a test period from 10 a. m. to 5 p. m. It was then placed on a 12-64-inch choke. Production through the smaller choke will be gauged Sunday morning.

The Marine's Justiss well is the fourth to come in during the past week. Two other new wells were completed as excellent producers, and another was recompleted, also as a first-class producer, after it had been shut down and reworked to do away with salt water.

The showing of the Justiss well is the best yet in the field, and indicates a big play to the northwest of present Jones sand production. There was strong gas pressure, casing and tubing gauges showing 1,175 pounds each.

The Justiss crew encountered good oil showings in the Jones sand from depths of 7,520 to 7,580 feet, and casing was perforated from 7,520 to 7,570 feet. The well is located in the southwest corner of lot 7, in the northwest quarter of section 18-18-17, and is the most northwestern well in the Shuler area to encounter oil showings in the Jones sand.

Three more completions are expected in the Jones sand the coming week, to make a total of 10 producers from that zone by the first of the year. The Lion Oil Refining Company has set casing on two tests, and the Phillips Petroleum Company is coring in the Jones sand on one of its wells.

The Lion Company has set casing at 7,670 feet in its Morgan B-3, in section 18-18-17, and has set pipe at a depth of 7,647 feet in its Justiss A-1 well, in section 19-18-17, a southwest outpost test and the only one in that section to be drilled to the Jones sand.

The Phillips Company is coring below 7,575 feet in its Jennings No. 1, in section 18-18-17, in the Jones sand, which was encountered at 7,553 feet.

Drilling report for the field follows:

Lion and Phillips Morgan A-1, SW 1-4, 18-18-17, producing 718 barrels daily on 20-64-inch choke. Lion Marine No. 1, SW 1-4, 17-18-17, completed as Jones sand producer of 110 barrels hourly. Lion Morgan B-3, SE 1-4, 18-18-17, casing set at 7,670 feet. Lion Phillips and Jones D. S. and J. C. Morgan C-1, SE 1-4, 18-18-17, drilling below 6,386 feet. Lion Justiss A-1, NE 1-4, 19-18-17, set casing at 7,647 feet. Lion Morgan B-5, SE 1-4, 18-18-17, building derrick. Lion Marine No. 2, SE 1-4, 17-18-17, clearing location. Jones et al. Marine No. 1, SE 1-4, 17-18-17, recompleted as producer of 50 barrels per hour on half-inch choke. Jones et al. Marine No. 2, SE 1-4, 17-18-17, completed as producer of 1,248 barrels. Jones et al. Marine No. 4, SE 1-4, 17-18-17, completed as producer of 54 barrels hourly on one-half-inch choke. Marine Fee No. 3, SW 1-4, 17-18-17, drilling at 6,110 feet. Alice Sidney D. S. and J. C. Morgan No. 2, SE 1-4, 18-18-17, producing 637 barrels daily on 19-64-inch choke. Alice Sidney D. S. and J. C. Morgan No. 3, SE 1-4, 18-18-17, drilling below 6,240 feet. Phillips Ed Gann No. 1, NE 1-4, 18-18-17, produced 1,352 barrels on 9-16-inch choke. Phillips Jennings No. 1, NE 1-4, 18-18-17, coring in Jones sand at 7,675, top of sand at 7,553 feet. Phillips Justiss No. 2,356, lot 6, NW 1-4, 18-18-17, drilling at 6,105 feet. Phillips Marks No. 2, lot 2, SW 1-4, 18-18-17, drilling at 5,867 feet. Phillips National No. 1, SW 1-4, 17-18-17, casing set at 2,285 feet.

Biggest Jones Sand Producer Brought In

Special to the Gazette. 12-26-37

El Dorado, Dec. 25.—The fourth producer of the week in the Shuler field west of El Dorado was completed today by the Marine Oil Company on its Justiss No. 2 test, in section 18-18-17, northwest of previous production in the area.

Tubing was run in the hole yesterday afternoon and last night and washing operations started today. The well was allowed to flow into the pits for a time to clean itself and then was turned into the tanks and placed on a quarter-inch choke. It produced 69 barrels an hour for several hours, and then was pinched back to a 12-64 inch choke.

The well built up pressure of 1,175 pounds in both tubing and casing, and was estimated as a producer capable of 10,000 barrels daily production on open tubing. Oil men said that it was the largest producer yet completed in the Jones sand. It was completed through perforations in casing from 7,530 to 7,580 feet.

Other Completions.

The other three completions this week were the Marine No. 1 of the Lion Oil Refining Company, in section 17-18-17, the Marine No. 1 of Jones, Murphy & Hurley, in section 17-18-17, and the Marine No. 4 of the same operators, in the same section.

The Justiss well is the seventh producer in the Jones sand of the Shuler field, with three other completions expected next week. They are the Morgan B-3, of the Lion Company, in section 18-18-17, the Jennings No. 1 of the Phillips Company, in section 18-18-17, and the Justiss A-1 of the Lion Company, in section 19-18-17.

High Water Halts Operations In Shuler Field.

Special to the Gazette. 12-29-37

El Dorado, Dec. 28.—Continued rains and high water virtually have halted drilling operations in the Shuler oil field.

Operators on the Morgan B-3 of the Lion Company in Section 18-18-17 are perforating casing between 7,558 and 7,608 feet. Operators on the Jennings No. 1 of the Phillips Company in section 18-18-17 are drilling below 7,664 feet after having encountered heavy oil saturation in the Jones sand from 7,551 to 7,626 feet.

Operators on the Morgan C-1 of the Lion, Phillips and Jones interests started coring at 7,510 feet and encountered the Jones formation at 7,527 feet with heavy saturation being shown. Coring is continuing below 7,542 feet.

The Fee No. 9 test of the Marine Company in Section 17-18-17 is shut down at 6,400 feet because of high water as is the Morgan B-4 of the Lion Company in Section 18-18-17 at 6,682 feet. High water has also halted operations on the Morgan B-5 of the Lion Company in Section 18-18-17 and the Marine No. 2 of the same company in Section 17-18-17.

Shuler Field Gets Another Big Producer

Democrat 12-31-37

El Dorado—The Jones deep sand production in the Shuler field was extended about a quarter of a mile to the southwest today, with completion of another big producer, the sixth well in that area in the past two weeks.

The completion was made by the Lion Oil Refining Company of the Justiss A-1, in the northeast corner of the northwest quarter of the northeast quarter of section 19-18-17.

Estimated to be good for about 10,000 barrels per day if allowed to flow freely, the well was flowing at the rate of 86 barrels an hour through a half-inch choke. It ranks with some of the best producers in the field and is the first well from the Jones sand to be completed in section 19.

Casing was set in the well at 7,647 feet. Coring operations continue in one other well in the field, and still another is in the coring stage although the crew today is reconditioning the hole.

The Phillips Petroleum Company is coring in the Big Lime formation on the Jennings No. 1, in the northwest corner of the southwest quarter of the northeast quarter of section 18-18-17. The last core, taken from 7,664 feet to 7,669 feet, showed shale and saturated lime.

The Lion Company is reconditioning in the hole of the Morgan C-1, in section 18-18-17. Coring has been in progress at 7,552 feet.

Lion Perforating Justiss A-1; Believed Deep Producer.

12-31-37

Special to the Gazette.

El Dorado, Dec. 30.—After completing the Morgan B-3 well in Section 18-18-17 for the largest producer of the Shuler field, the Lion Oil Refining Company perforated casing in its Justiss A-1 southwest outpost test in Section 19-18-17 today. Completion of the test is expected tomorrow or Saturday.

The Morgan B-3 test was completed yesterday morning, and at 7 a. m. today had produced 3,334 barrels. The well was flowing about 144 barrels an hour under choke. It was believed capable of producing 10,000 to 12,000 barrels daily.

Interest now centers in the Justiss A-1 test, the only deep test in Section 19-18-17 expected to be a big producer. The well encountered good oil showings in cores from the Jones sand from 7,530 to 7,590 feet, where operators are perforating. Tubing probably will be run in the hole tonight and tomorrow.

Operators on the Jennings No. 1 test of the Phillips company continued coring below 7,664 feet with indications that the Reynolds lime had been reached. The test encountered good oil showings in the Jones sand from 7,551 to 7,526 feet.

Permits have been issued for two new tests in the Shuler area by the Marine Oil Company on the lease containing the recently completed Justiss No. 2 well, producing more than 1,500 barrels daily on a quarter-inch choke.

The permits were for the Justiss No. 3, 330 feet south and 330 feet west of the northeast corner of Lot 7 in the northwest quarter of Section 18-18-17, and the Justiss No. 4 in the center of Lot 7 in the northwest quarter of the same section.

Justiss A-1, 10,000-Barrel Producer, In

1-1-38

Special to the Gazette.

El Dorado, Dec. 31.—Production in the Jones sand of the Shuler field was extended about a half-mile to the southeast today by completion of the Justiss A-1 test of the Lion Oil Refining Company in section 19-18-17 for a producer estimated at 10,000 barrels daily.

The well is the only test drilled to the Jones sand in the section and is a half-mile southwest of the Morgan No. 2 test of the Alice Sidney Company. Completion of the test for a large producer is expected to result in much other drilling in the section soon.

Casing was perforated in the test from 7,530 to 7,565 feet and began flowing after being washed only two hours. The well was turned into the tanks soon afterward and produced at the rate of 85 barrels per hour under a half-inch choke.

Ninth Jones Sand Producer.

Completion of the Justiss test makes a total of nine wells producing in the Jones sand in the Shuler area that will come under the proration order of the state Conservation Board, effective tomorrow, which limits production from the Jones sand to 400 barrels per well daily.

Production of the nine wells today was 16,986 barrels, including the new producer's addition of 2,064 barrels. Under the allocation order the production of the nine wells will be limited to 3,600 barrels daily.

Production of the other eight producers in the area follows: Marine No. 2, No. 3 and No. 4 of the Jones, Murphy and Hurley in section 17-18-17, 2,580 barrels; Lion Morgan B-3, section 18-18-17, 5,188 barrels; Lion Marine No. 1, section 17-18-18, 3,733 barrels; Alice Sidney Morgan No. 2 in section 18-18-17, 1,233 barrels; Phillips Gann No. 1 in section 18-18-17, 700 barrels, and Marine Justiss No. 2 in section 18-18-18, 1,477 barrels.

An allocation order for production from 57 wells in the South Miller county field of 1,329 barrels daily during January is also effective tomorrow.

Jennings Test Goes Ahead.

Operators on the Jennings No. 1 test of the Phillips Company in section 18-18-17 are coring in the lime at 7,689 feet after encountering good oil showings in the Jones sand from 7,551 to 7,626 feet. Slight oil saturation was reported in the cores in the lime formation.

Operators on the Morgan C-1 of Lion, Phillips, Jones et al. in section 18-18-17 continued to obtain oil saturation in the Jones sand at 7,572 after entering the formation at 7,516 feet.

The Lion Company made location today for the Morgan A-4 test 430 feet west and 330 feet south of the northwest corner of lot seven in the southwest quarter of section 18-18-17.

Shuler Field Begins Year In Limelight

Democrat 1-2-38

Thirteen Wells Producing; Proration Effective Today.

El Dorado—The Shuler deep sand field, which rounded out 1937 in a blaze of glory with six big producers in the last two weeks, continues in the petroleum limelight at the outset of 1938.

Thirteen wells are in operation at the present time, four being new tests started in the last week, and activity is expected to take an early spurt and spread out over a wide area. Big feature of the past week was half-mile extension of producing area to southwest by Lion Oil Refining Company.

Apparently the first proration order in Arkansas fields, which became effective here and in Miller county this morning, is not slowing down activities.

Two new completions in the Shuler area are expected during the next few days as operators on two tests are now engaged in final activities before setting of casing.

Operators on the Morgan C-1 of Lion, Phillips and Jones et al. in section 18-18-17, were preparing to run Slumberger test on the well and then set casing. The well was cored and reamed to a depth of 7,589 feet. The Jones sand was encountered at 7,516 feet and more than 50 feet of heavily saturated sand was cored.

The Phillips Company is preparing to set casing for final testing of its Jennings No. 1 test in section 18-18-17. About 60 feet of Jones sand were cored and oil saturation was also shown in the Reynolds lime. The test was cored and reamed to a depth of 7,699 feet. Operators were said to be planning to drill 50 feet, run a Slumberger test and then set casing for completion in the Jones sand.

Allocation Effective Today.

Allocation of production of Jones sand wells in the Shuler field became effective at 7 o'clock this morning, but effect of the order will not be shown in production figures until Sunday morning, when 24-hour production reports will be made.

Chief Conservation Agent C. E. Harris stated that the allocation order for Miller county also became effective this morning. Engineers and deputy conservation agents in Miller county will gauge wells in the South Miller county field and Mr. Harris will gauge the Shuler wells.

Under the allocation for Shuler the nine producing wells will be limited to 400 barrels daily production each for a total of 3,600 barrels, compared with production of around 17,000 barrels yesterday.

The Morgan sands and the Reynolds lime are not affected by the allocation order.

Drillings Listed.

Saturday's drilling report follows: Lion, Phillips and Jones D. S. and J. C. Morgan C-1, NEC, SE 1-4 18-18-17. Cored to 7,589 feet. To run Slumberger and set casing.

Lion, Morgan B-4, 330 E 330 S, NWC, SW 1-4 SE 1-4, 18-18-17. Drilling at 6,683 feet.

Lion, Morgan B-5, 330 N, 330 W, Section E 1-2, SE 1-4, 18-18-17. Building derrick.

Lion Marine No. 2, 330 N, 330 E, SW, E 1-4, SE 1-4, 18-18-17. Building derrick.

Lion, Morgan A-4, 430 E, 330 S, SW, E 1-2 SE 1-4, 17-18-17. Location made.

Marine Fee No. 2, 280 E, 430 N, SW, NW SW 17-18-17. Drilling at 6,630 feet.

Marine Justiss No. 3, NEC, lot 7, NW 1-4, 18-18-17. Location made.

Marine Justiss No. 4, center, lot 7, NW 1-4, 18-18-17. Location made.

Alice Sidney D. S. and J. C. Morgan No. 3, 430 S, 330 E, NWC, NE 1-4, SE 1-4, 18-18-17. Drilling below 6,777 feet.

Phillips Jennings No. 1, NWC, SW 1-4, NE 1-4, 18-18-17. Cored to 7 in lime; to run Slumberger and set casing.

Phillips Justiss No. 2, 356 W, 445 N, SEC, lot 6, NW 1-4, 18-18-17. Drilling at 6,538 feet.

Phillips Marks No. 2, 442 S, 385 W, NEC, lot 2, SW 1-4, 18-18-17. Drilling at 6,295.

Phillips National No. 1, SEC, NE SW 17-18-17. Drilling at 3,700 feet.

Lion to Complete Morgan C-1 Test This Week.

1-4-38

Special to the Gazette.

El Dorado, Jan. 3.—Casing has been set for final testing of another well in the Shuler area, and locations have been made for three new tests.

The Lion Oil Refining Company today set casing at 7,604 feet on its Morgan C-1 in Section 18-18-17, and

completion is expected this week. The Phillips Petroleum Company is preparing to set casing for final testing of its Jennings No. 2 in Section 18-18-17 at about 7,635 feet.

The Phillips company made location for its Rosen No. 2, 100 feet northwest of its Risen No. 1 in the southwest corner of the northeast quarter of the southeast quarter of Section 18-18-17.

The Lion company made two new locations. The Morgan A-4 will be located 100 feet east of the Morgan A-2 in the northwest corner of lot 1, in the southwest quarter of Section 18-18-17, and the Morgan C-2 test will be located 330 feet east and 330 feet north of the southwest corner of the southeast quarter of the southeast quarter of Section 18-18-17.

Lion Brings In Another Producer

Gazette 1-9-38

El Dorado, Ark., Jan. 9 (P).—The Lion Oil Refining Company brought in its Morgan C-1 in the Shuler Field today with production of 80 barrels of oil hourly on a half inch choke.

The well is in Section 18-18-17. The Lion company joined with Jones, Murphy & Hurley, and the Phillips Petroleum Company in completing it.

Another Shuler Field Producer Expected In Today.

Special to the Gazette. 1-11-38

El Dorado, Jan. 10.—The second big producer in the Shuler field for 1938 is scheduled for tomorrow when the Phillips Petroleum Company will attempt to bring in its Jennings No. 1 well in 18-18-17. Casing was set at 7,708 feet and perforation was completed today.

11th Producer In Jones Sand Completed

Special to the Gazette. 1-13-38

El Dorado, Jan. 12.—The 11th producer from the Jones sand in the Shuler field has been completed by the Phillips Petroleum Company on its Jennings No. 1 test in Section 18-18-17.

Tubing was run in the hole yesterday afternoon after casing was perforated from 7,560 to 7,586 and from 7,592 to 7,598 feet. Washing was started late yesterday and the well started was allowed to clean itself in the pits before night.

Production this morning was at the rate of 55 barrels an hour through a 40-64-inch choke. The well was estimated to be making 3,000 to 5,000 barrels daily. There is no show of salt water.

Operators probably will let the well continue to flow on the present choke before pinching it back to the 333 barrels daily allowed by the state Conservation Board.

The Jennings well is the second producer completed this week in the Jones sand. The Morgan C-1 of Lion, Phillips, Jones et al was completed Sunday for a big producer.

The same operators are preparing to start coring on the Marks No. 2 and the Justiss No. 2 tests in Section 18-18-17, and the Alice Sidney Company is preparing to start coring its Morgan No. 3 test in the same section.

Interior Department Agents Inspect Shuler Field.

F. H. Martin and L. H. Hutchinson, representatives of the United States Department of the Interior, stationed at Kilgore, Tex., are here conferring with members of the Arkansas state Board of Conservation and inspecting the new Shuler oil field.

Phillips Brings In Shuler Well

Democrat 1-13-38

El Dorado—Estimated as good for from 3,000 to 5,000 barrels daily, if allowed to flow unchecked, the Jennings No. 1 well of the Phillips Petroleum Company was brought in yesterday in section 18-18-17, Shuler field.

Production was at the rate of 55 barrels an hour through 40-64-inch choke, without trace of salt water. The well eventually will be choked back to a production of no more than

333 barrels daily, the State Conservation Board allowable for the Shuler field. The well is the eleventh in the deep Jones sand of the Shuler field, the most productive yet tapped.

F. H. Martin and L. H. Hutchinson, representing the United States Department of the Interior, inspected the Shuler field yesterday. They are stationed at Kilgore, Tex. They conferred here with members of the State Conservation Board. They said their department had approved the allocation orders for the Shuler field and the South Miller county field.

Three Tests Near Jones Sand In Shuler Field.

Special to the Gazette. 1-15-38

El Dorado, Jan. 14.—Three tests in the Shuler area today were coring in or near the Jones sand, and another is expected to start coring for the formation soon.

Showings of soft, porous, well saturated sand were obtained in a core in the Morgan No. 3 test of the Alice Sidney Company in section 18-18-17. The core was taken from 7,555 to 7,575 feet with the top 13 feet showing well saturated sand and the bottom six feet also showing heavy saturation. The two sections were separated by one foot of shaly sand, also showing oil. Coring will be continued.

Operators on the Justiss No. 2 and the Marks No. 2 test of the Phillips Company today started coring and were reported to have obtained soft porous sands with good saturation in the bottom.

On the Justiss No. 2 a core from 7,504 to 7,514 feet showed shale and sand, and a core from 7,514 to 7,527 feet showed five feet of soft porous sand in the top and four feet of soft sand with good saturation in the bottom, with one foot of tight shale between.

On the Marks No. 2 test operators cored from 7,495 to 7,505 feet and obtained shale and sand with slight gas odor. In the next core from 7,505 to 7,520 feet 12 feet of soft porous sand with good saturation was recovered.

Next deepest test in the area is the Morgan B-4 of the Lion Company, in section 18-18-17, which is drilling below 7,395 feet and is expected to start coring soon.

Permit Given for Outpost Test In Shuler Field.

Special to the Gazette. 1-19-38

El Dorado, Jan. 18.—A permit has been issued by the Arkansas State Conservation Department for a southeast outpost test in the Shuler area in Section 21-18-17. It is the N. M. Powledge No. 1 of the Texas Canadian Company. Drilling will start soon.

It is reported that Jones, Murphy & Hurley plan to deepen their Murphy Land Company No. 1 test in Section 19-18-17. The test is east of the Justiss No. 1 Jones sand producer of the Lion Oil Refining Company in the same section. The Murphy test has been producing in the Morgan sands at around 6,000 feet. Operators on the Morgan B-4 test of the Lion Oil Refining Company are coring below 7,522 feet in the Jones sand. The last core from 7,505 to 7,522 feet showed five feet of shale and 12 feet of heavily saturated sand in the bottom.

The Alice Sidney Company is coring in porous Oolitic lime at 7,663 feet with slight gas odor. Operators obtained good oil showings in the Jones sand above 7,600 feet. They are reported planning to drill 7,700 feet and then set casing.

The Phillips Petroleum Company is coring in the top of the lime formation its Marks No. 2, and the Justiss No. 2 tests after obtaining good oil showing in the Jones sand. The Justiss No. 2 test has cored to 7,612 feet in dense lime with slight show of oil. Marks No. 2 has cored to 7,640 feet in porous Oolitic lime with gas odor, and operators are reaming to the bottom of the hole.

Oil Men Eagerly Await Test In Urbana Area.

Special to the Gazette. 1-26-38

El Dorado, Jan. 25.—Attention of the oil fraternity again is centered on the Urbana area southeast of El Dorado, where the Arkansas Southern Oil Company has set casing for final test of its G. G. Simmons A-2 test in section 15-18-15 after coring a good showing in the Nacatosh sand below 2,200 feet.

Casing was set at 2,214 feet without a drill stem test. The well is in the southwest corner of the northeast quarter of the northwest quarter of the section. Completion is expected late this week.

The Arkansas Southern has two other wells in the area, the G. G. Simmons No. 1 in the northwest corner of the northwest quarter of the northeast quarter of the section, producing 23 barrels daily and the G. G. Simmons No. A-1 in the southeast corner of the northeast quarter of the northwest quarter of the section, producing 60 barrels daily.

W. D. Wingfield and associates are waiting on casing for final testing of their Kidd Estate No. 1 test in the northeast corner of the northwest quarter of the southwest quarter of the same section. Casing was set last week at 2,363 feet after good showings were obtained in cores.

Shuler Field Completions Due Today

Special to the Gazette. 2-1-38

El Dorado, Jan. 31.—Completion of two new Jones sand producers in the Shuler field west of El Dorado is expected tomorrow and two others are expected to be completed by the middle of the week. The completions expected are the Marks No. 2 of the Phillips Petroleum Company and the Morgan B-4 of the Lion Oil Refining Company, both in Section 18-18-17.

The Phillips company this afternoon was washing on its Marks test, and its completion as a producer is expected early tomorrow. Casing was perforated yesterday at from 7,516 to 7,550 feet, with 83 shots, after which tubing was run in the hole and washing operations started.

Progress at Lion Test.

The Lion company today perforated casing in its Morgan B-4 test, and is expected to run tubing tonight and start washing operations in the morning.

The Phillips company today was preparing to perforate casing in its Justiss No. 2 test, in Section 18-18-17, and the Marine Oil Company today drilled the plug in its Fee No. 3 test in Section 17-18-17. Both tests are expected to be completed in two or three days.

The Alice Sidney Company released stuck drill pipe at 2,200 feet in its Morgan No. 3 test, in Section 18-18-17, and today was running pipe for setting casing. Final testing of the well is expected to be started in about a week.

Allowables Increased Today.

New production allowables for the Jones sand wells will become effective tomorrow, which will almost double the production of the field. The production allowables for the Jones sand wells in January was 400 barrels daily each with the exception of the Jennings No. 1 test of the Phillips company, which, because of its acreage being less than 20, was limited to production of 333 barrels daily. Its production under the February allowable will be 337 barrels and the production of the other 10 producers will be 800 barrels each daily. Allowables for the wells expected to be completed tomorrow and the rest of this week will be 800 barrels daily each.

Urbana Area Tests.

In the Urbana area southeast of El Dorado, W. D. Wingfield and associates have started bailing operations on their Kidd Estate No. 1 test, in Section 15-18-13, in which casing was set last week at a depth of 2,363 feet after good showings of oil were obtained in cores in the Nacatosh sand from 2,343 to 2,363 feet.

The Arkansas Southern Oil Company also is scheduled to start completion operations on its G. G. Simmons A-2 test in Section 15-18-13, in which casing was set last week after good showings were obtained in cores in the Nacatosh sand.

Another Shuler Oil Well Blows In

Democrat 2-3-38

El Dorado—The Lion Oil Refining Company added the second producer of the week today in the Shuler field, with the completion of the Morgan B-4, in section 18-18-17.

As the well had not completely cleaned itself of wash water and mud, no accurate gauge was available on the production, but it is understood to be one of the good producers from the Jones sand.

It will be allowed to produce 800 barrels daily under the allowable set by the Arkansas board of conservation, effective February 1.

The first producer of the week was the Marks No. 2 of the Phillips Petroleum Company, also in section 18-18-17, heart of the area. It came in flowing at the rate of 40 barrels an hour and was pinched down to the 800 barrels per day allowable.

Three other wells are scheduled for completion in the next few days. These are: Justiss No. 2 of the Phillips Petroleum Company, in section 18-18-17; Fee No. 3 of the Marine Oil Company in section 17-18-17, and the Morgan No. 3 of the Alice Sidney Oil Company, in section 18-18-17.

Another Well Producing In Shuler Field

Special to the Gazette. 2-4-38

El Dorado, Feb. 2.—Another producer in the Jones sand level of the Shuler field, the third this week, was completed today on the Justiss No. 2 test of the Phillips Petroleum Company in section 18-18-17.

Washing of the test was started this morning and the well started flowing this afternoon. The well was pinched back to a production of 300 barrels daily.

The two completions yesterday were the Marks No. 2 test of the Phillips Company in section 18-18-17, completed as a producer of 40 barrels an hour on a three-eighths-inch choke, and the Morgan B-4 test of the Lion Oil Refining Company, in section 18-18-17, completed for a producer of 800 barrels daily, under the allocation order of the state Conservation Department.

Powledge No. 1 Reopened.

Of special interest to the oil fraternity of south Arkansas was information that the Alice Sidney Oil Company has started deepening the Powledge No. 1 test in section 7-18-17, temporarily abandoned several months ago when it failed to make a producer in the Morgan sand at about 6,000 feet. Operators are building derrick and are expected to resume drilling soon. The test is 350 feet north and 330 feet west of the southeast corner of the southwest quarter of the southeast quarter of the section and is the farthest northwest outpost drilled to the Jones sand. Completion of the test for a producer would result in extensive drilling in that portion of the Shuler area.

Fee No. 3 Nears Test.

The Marine Oil Company was preparing today to perforate casing for final testing of its Fee No. 3 test in section 17-18-17 and the Alice Sidney Company has completed setting casing in its Morgan No. 3 test and final testing is expected to be started next week.

Good Showing In Urbana Wildcat Test

Special to the Gazette. 1-22-38

El Dorado, Jan. 21.—While operators on four tests in the Shuler area, west of El Dorado, continued to core and drill in and below the Jones sand, a wildcat test in the Urbana area, southeast of El Dorado, took the spotlight after a good showing of oil was obtained in the Nacatosh sand today.

The test is the Kidd Estate No. 1 of W. D. Wingfield, trustee, in section 15-18-13. The test encountered a good showing of oil in 20 feet of sand and shale from 2,343 to 2,363 feet. Operators decided to set casing without making a drill stem test.

In the Shuler field the Phillips Petroleum Company is drilling to 7,700 feet on the Marks No. 2 test and will run a Schlumberger test before setting casing. The same operators are coring below 7,665 feet in lime in the Justiss No. 2. The Lion Oil Refining Company still is coring in rich oil sand at 7,565 feet in its Morgan B-4 test. The Alice Sidney is reported reaming down to the bottom of the hole at about 7,694 feet on its Morgan No. 3 test, preparing to set casing.

Price Cut Announced.

A reduced price for Jones sand crude from the Shuler field was announced here today, effective February 1. The new price will be 85 cents per barrel. The present price is 96 cents. No price changes have been announced for the Morgan and lime, now \$1.22 a barrel, or the Reynolds lime oil, \$1.15 a barrel. It is reported that the new prices will be posted by both the Lion Oil Refining Company and the Root Petroleum Company, buyers of all the crude in the area.