Marine Well CompletedFor Big Producer Gazette

Special to the Gazette. The second producer in the new Shuler area west of El Dorado was completed late today when the Justiss No. 1 test of the Marine Oil Company was swabbed in for a producer estimated at from 2,000 to 2,400 barrels of 43 degree gravity oil

The well was swabbed in after washing failed to make it flow. Early estimates of production were from 600 to 800 barrels a day through a threequarter inch choke on the tubing. Later, however, the choke was opened to an inch and half and the flow increased so that Marine officials estimated the production through that choke would be about 2,000 to 2,400 barrels of oil and 2,500,000 to 3,000,000 cubic feet of

The well has not yet cleaned itself of drilling and washing water and this makes it impossible to gauge the actual oil production. There has been no trace of salt water

May Drill Another.

It is reported that the company is planning to drill another well east of the present test.

Large Crowd Gathers.

A large crowd of spectators was on hand throughout the afternoon to watch the operations and there was a shout of applause when the well began to flow.

The Marine test is a north offset to the discovery well of the Lion Oil Refining Company. It is located 330 feet east and 330 feet north of the southwest corner of lot seven in the north-west quarter of Section 18-18-17. The well was completed from a depth of 5, 660 feet with production being obtained from a series of sands encountered at about 5,600 to 5,625 feet through perforations in the casing.

The Alice Sidney company, Dr. J. S. Rushing, trustee, today began taking cores in the D. S. and J. C. Morgan No. 1 test and is expected to near the producing sand about Saturday or Sunday. The test is 330 feet east of the west line and 330 feet south of the north line of the northeast quarter of the southeast quarter of Section 18-

Lion Test Well Makes

Good Showing of Gas El Dorado Operators of the Morgan B-1 test of the Lion Oil Refining Company made preparations to day to make a deeper test of the well as the result of a good showing of gas and a little oil Wednesday afternoon, when a drill stem test was made.

It is planned to ream down to the bottom of the hole and continue coring for the second oil sand at the well, which is located in the Shuler area, west of El Dorado.

The first core brought from the well Tuesday when coring was started showed the presence of gas. The second core showed a two-anda-half-foot oil sand with heavy oil

Wednesday's drill stem test was made from a depth of 5,532 feet and the hole from 5,532 to 5,571 feet, was

The Justiss No. 1 test of the Marine Oil Company was expected to be completed today. The test is a north offset to the discovery well in

Deep Tests In Shuler Area **BeingWatched** Gazette

Special to the Gazette. 5-29-37

El Dorado, May 28.—The Morgan B-1 test of the Lion Oil Refining Company and the D. S. and J. C. Morgan No. 1 test of the Alice Sidney Oil Company, both of which are coring and making drill stem tests in the Morgan sands. are sharing attention of the oil fraternity following completion yesterday of the Justiss No. 1 of the Marine Oil Company in the same area for a big oil producer.

Operators on the Marine well cut the choke on the tubing back to one inch today and the flow was gauged at 50 barrels an hour for a daily production of 1,200 barrels of 43 gravity oil. Under an inch and a half choke last night, the well flowed at a gauged rate of

2,000 barrels a day.
The Marine has three 1,000-barrel storage tanks on the lease. Two thousand barrels will be run through the Lion's four-inch pipe line from the Shuler area to the company's refinery plant here tomorrow. Gas is being allowed to burn as a flare.

pany will start operations soon on another test east of the present producer.

Cores Indicate Oil. Operators on the D. S. and J. C. Morgan No. 1 made a drill stem test after two cores below 5,500 feet had indicated oil and gas. The first core was taken from 5,516 to 5,530 feet, and two feet of sand with an oil and gas odor were re-covered. The second core from 5,530 to 5,541 feet made a similar showing. The drill stem test was unsuccessful, only two joints of mud being shown. The test was from 5,500 to 5,541 feet.

Operators reamed down to the bot-tom of the hole and will resume coring in the morning. The well is at a higher elevation than the discovery well, and the bottom of the hole is above the level at which oil sand was encountered in the discovery well

Lion Offset Tests.

After a drill stem test this morning from 5,571 to 5,585 feet failed to make a satisfactory showing when the packing gave way and the drill stem slipped five feet down the hole, operators on the Lion company's offset test to the discovery well resumed coring operations tonight. Two cores made yesterday from 5.571 to 5.585 feet indicated good oil sand, but when the drill stem slipped only three joints of mud and oil were recovered and operators decided to ream down to the bottom and resume cor-

W. D. Wingfield and associates were coring at 2,700 feet tonight on the Southern Kraft No. 1 wildcat test north-east of El Dorado. A four-foot oil sand was shown at 2,619 feet but a drill stem test failed to make a satisfactory show-ing and operators resumed drilling. The deep area and the Rainbow City deep area. It will be a deep test.

Morgan B-1 Showing Best In New Field

With Saturated Core, Gas Pressure.

El Dorado—The best showing in a drill stem test in the Shuler area since the field was opened was obtained Saturday morning by the Lion Oil Refining Company in its Morgan B-1, an east offset to the discovery well. The test was made from a depth of 5,598 feet after a core was taken early Saturday morning, showing a heavy saturation of oil in a six-foot sand.

The test was the third made by

The test was the third made by the Lion Company since coring operations were started on the well. The drill stem was set on the bottom of the hole and pressure of 65 pounds was built up in one-half minute. The tool was then raised off the bottom slightly and in fourteen minutes oil and drilling water began shooting out the top of the drill stem into the derrick.

The flow of oil continued until

drill stem into the derrick.

The flow of oil continued until the drill stem was broken down. Operators were highly pleased with the showing but announced plans to continue coring and testing for a full check of the formations. It had been previously announced that the company would make a thorough test of the oil and gas formations before setting casings. In both of the cores taken since the second drill stem test Friday morning good oil sands with heavy saturation and strong gas showings were obtained. However, operators were reported to be of the opinion that the well has not yet encountered the best production level.

Following a drill stem test Friday

production level.

Following a drill stem test Friday afternoon from 5,500 to 5,541 feet which failed to make a showing, operators on the D. S. and J. C. Morgan No. 1 of the Alice Sidney Oil Company, half a mile east of the discovery well, Saturday resumed coring operations. The hole was reamed down to 5,541 feet Friday night and early Saturday and the first core was taken Saturday morning but no report of the showing had been obtained.

W. D. Wingfield and associates were continuing coring on the Southern No. 1 wildcat, deep test northeast of El Dorado, The well was reported to be coring below 2,700 feet.

east of El Dorado. The well was reported to be coring below 2,700 feet.

The recently completed Justiss No. 1 test of the Marine Oil Company was flowing at a rate of 50 barrels an hour through an inch choke on the tubing. Oil from the test is flowing into large storage tanks on the lease. Two thousand barrels of the oil already produced was to be sent through the Lions pipe line to the refinery here this morning. The Marine well is a north offset to the discovery well. offset to the discovery well.

Fine Showing Obtained In Morgan No. 1

El Dorado, May 30.—The best showing obtained in any well in the Shuler area was made today in a drill stem test on the D. S. and J. C. Morgan No. 1 of the Alice Sidney Oil Company when oil shot over the top of the well in gusher fashion for more than half an hour before the drill stem was broken

The flow was reported to have con-tinued for about an hour after the test was started. The test was made at 5,531 feet with bottom of the hole 5,568 feet. In 12 minutes after the drill stem was lowered the oil began shooting over the top of the derrick. The well was esti-

showing was the "best yet obtained in the Shuler area."

Operators on the test, which is about half a mile east of the discovery well of the Lion Oil Refining Company, had cored a well-saturated oil sand for almost the entire distance from 5,531 to 5,568 feet with only a few "breaks."

After the drill stem test plans were

made to continue coring for a thorough testing of the formation. Coring and well is on a line between the Snow Hill drill stem tests are expected to be continued until the "section" is tested thoroughly

Marine Plans Off-Set. Though no official announcement was made it was reported that the Marine Oil Company is planning to drill an east off-set to the Alice Sidney test.

It had been rumored that the Marine company would drill a well east of its present producer or the Alice Sidney well if the latter company completed its

well for a good producer.

The Lion company continued coring operations on its Morgan B-1 test, an east off-set to the discovery well in which an excellent showing was made on a drill stem test yesterday. A core was taken in the well from 5,601 to 5.606 feet with gas and oil sands and shale being shown. The company has cored about 80 feet of gas and oil sands with heavy oil saturation and with only a few shale "breaks". Operators announced plans to continue coring and testing until the entire "section" is

In a drill stem test yesterday on the Morgan B-1 well, oil shot over the top of the derrick in about 15 minutes after the drill stem was lowered. The tool was put on the bottom of the hole at 5.598 feet and then raised. When the the tool was raised the oil shot over the derrick. The test was from 5,585 to 5,598 feet. Oil men who saw the test estimated that the Lion's well would be good for production of at least 2,500 barrels a

The hole was reconditioned yesterday afternoon and last night a new drilling line was insalled. Coring operations were continued and another drill stem test is expected tomorrow or Tuesday.

Justiss 1 Producing. The Justiss No. 1 test of the Marine Oil Company, a north offset to the Lion's discovery well, is producing 1,500 barrels of oil a day through a one-inch choke on the tubing. The production is being winter three layers the tion is being run into three large storage tanks on the lease and piped to the Lion refinery here through the Lion's four-inch pipeline. Gas from the well is being burned in a flare.

The discovery well in the area, the Edna Morgan No. 1, is producing 270 barrels of oil a day through a half inch choke on the tubing and about 2,500,000

cubic feet of gas.

Northeast of El Dorado, W. D. Wingyesterday at that depth. No showing was obtained in the test which was made to check formations as the deep test is drilled. The well, between the drilled. The well, between the Snow Hill deep area and the Rainbow City Special to the Gazette.

Building Pipeline To Shuler Field

El Dorado-The Root Petroleum Company, which has a large refinery here, began work today on a

ery here, began work today on a six-inch pipeline to the new Shuler field, southwest of here, and expects to be ready to draw oil from the field in about 10 days.

The new line, about 14 miles long, will connect with the company's old line to the El Dorado South field. The oil will come in a northeast direction to the end of the old South field line and then north to the refinery here. Rapid developments in the new

Rapid developments in the new Shuler field the past two or three days are believed to have caused the Root Company to make a positive de-cision in the matter and start work today. The only line to the field now is that of the Lion Oil Refin-ing Company, owners of the discov-ery and other wells. The Root line will pick up oil wherever available for transport here for transport here.

There were reports today of several new locations being made, following the showings of the past few days in the Alice Sidney Oil Company and the Lion Company's Morgan B-1 wells, and undoubtedly the drilling campaign will be speeded up immediately.

immediately.
The Alice Sidney Oil Company pushed toward completion today of its D. S. and J. C. Morgan No. 1 well in the Shuler area after a drill stem test yesterday shot oil over the der-

rick top.

Drillers estimated the well would produce 3,500 barrels a day. The test was made at the 5,531-foot level.

The Lion Oil Company continued coring on the Morgan B-1 and the Marine Oil Company continued to run its Justiss No. 1 through a one-inch choke at the rate of 1,500 barrels a day.

a day.

The showing in the Alice Sidney wel is regarded as the best in the new Shuler field.

The Morgan B-1 of the Lion Company is said to have shot oil over the derrick for 15 minutes. Oil men said they believed this well good for 2,500 barrels a day.

Oil men who witnesses the test were unanimous in their declaration that the showing was the "hest yet obtains the characteristics." Shuler Field Campaign On New Locations Made as

Oil Drilling Campaign

Speeded Up.

El Dorado—Reports from the new Shuler field, southwest of here, where developments of late have where developments of late have been rapid, indicate that the drill-ing campaign which began after the Lion Oil Company brought in the discovery well, the Edna Morgan No. 1, several weeks ago, is to be greatly speeded. New locations are being made right and left.

Three drilling permits would be issued immediately, it was indicated, and there were numerous reports of other locations being made. One permit was issued yesterday.

The permit yesterday went to E. M. Jones, operator of east Texas and Arkansas, for a well on the Murphy Land Company tract, in the northeast quarter of section 19-18-17. This is a half mile south of the D. S. and J. C. Morgan of the Alice Sidney Oil

The Lion Oil Refining Company has made location for a west offset to the D. S. and J. C. Morgan in the northwest quarter of the southeast quarter of section 118-1817.

quarter of section 118-1817.

The Alice Sidney Company plans its No. 2 well in the southeast quarter of its 40-acre lease. The No. 1 well, soon to be completed, is in the northeast quarter of the southeast quarter of 18-18-17. The No. 2 will be in the northeast quarter of the southeast quarter of the southeast quarter of the southeast quarter of the southeast corner, whereas the No. 1 is in the northwest corner. west corner.

The Marine Oil Company plans a well east and southeast of the Alice Sidney lease in 17-18-17. It has an 80-acre tract.

The Phillips Petroleum Company is expected to drill a north offset to the Alice Sidney No. 1, and it would be in the southeast quarter of the northeast quarter of 18-18-17.

Also the Alice Sidney Company is expected to drill on the Powledge estate in the center of the southeast quarter of the southeast quarter of 7-18-17.

H. L. Hunt and the Gulf Refining Company are both expected to make locations for tests soon.

Drilling Race Looms In

a new test well was issued today and information received of plans for three additional tests in the Shuler deep sand area of Union county, west of El Do-

Rumors also were circulated of plans for several additional tests. Two producers have been completed in the area and two others are expected to be completed in the next 10 days

Eddie Jones to Drill.

E. M. (Eddie) Jones, East Texas and Arkansas operator, obtained permit to drill a well on the Murphy Land Company tract, 330 feet south and 330 feet east of the northwest corner of the northeast quarter of the northeast quarter of Section 19-18-17, a half mile south of the D. S. and J. C. Morgan test of The Alice Sidney Oil Company

Lion Locates For New Test. The Lion Oil Refining Company has driven stake for a new test to be drilled as a west offset to the D. S. and J. C.

Morgan No. 1. It is expected that the new test will

be located 330 feet west and 330 feet south of the northeast corner of the northwest quarter of the southeast quarter of Section 18-18-17

No. 2 For Alice Sidney Co. The Alice Sidney Company, Dr. J. S.

Rushing trustee, has announced plans to drill its No. 2 well in the southeast quarter of the company's 40-acre lease The No. 1 well, which is expected to be completed in about a week, is located in the northwest corner of the northeast quarter of the southeast quarter of Section 18-18-17. The No. 2 test will be located in the southeast corner of the northeast quarter of the southeast quarter of the same section. The company also has locations for two other tests on the lease in the northeast corner and in the southwest corner of the 40-acre tract.

Marine Announces No. 2. The Marine Oil Company has an-nounced plans for drilling a test well in an 80-acre tract east and southeast of the Alice Sidney lease, in Section 17-18-17. It has been reported that the well will be in offset to the east the No. 2 well of the Alice Sidney which would place the Marine's location in the southeast corner of the northwest quarter of the southwest quarter of Section

Other Activities.

The Phillips Petroleum Company is reported to have made location for a test to be drilled as a north offset to the Alice Sidney's No. 1 test. The Phil-lips well would be located in the southwest corner of the southeast quarter of northeast quarter of Section 18-18-17.
The Alice Sidney company also is re-

ported to have made location for a test. to be drilled on the Powledge estate in the center of the southeast quarter of the southeast quarter of the southeast quarter of Section 7-18-17.

H. L. Hunt, East Texas and Arkansas

operater, will drill a test in Section 7-18-18 or in 8-18-17 but exact location could not be learned. The Gulf Re-fining Company is reported to be planning to drill a test about two miles northeast of the present Shuter produc-

The Root Refining Company is working on a six-inch pipe line to the new field and the Lion company and the Alice Sidney company are working on

two tests in the area.

The Root pipe line will be 14 miles long and will connect with the company's pipe line to the south field which leads to the company's refinery here. The line is expected to be in operation in about 10 days or two weeks.

Preparations Made For Alice Sidney Test

El Dorado—Operators of the D. S. and J. C. Morgan No. 1 test of the Alice Sidney Oil Company made preparations Saturday to set casing for final testing. Coring and reaming operations have been under steady progress, reaching below 5,-637 feet.

Officials said that the last cores taken in the test showed red and gray silty shale. A thorough test was being made before setting cas-

Operators at Shuler Make Haste Slowly

Democrat 6-6-37 Lion and Alice Sidney Cautious in Completing Two Wells.

El Dorado-While coring and testering are going forward on two wells in the Shuler area, rigging up operations and clearing of locations for several additional tests are under way and many transfers of leases are being made to hold the attention of the south Arkansas oil fraternity ternity.

One of the wells nearing the completion stage is the D. S. and J. C. Morgan No. 1 of the Alice Sidney Company, Dr. J. S. Rusning, trustee. Operators were coring at 5,-685 feet in shale and were planning few days before setting casing. Ofncials of the company declared that the coring will be continued until there is a "break" in the formation.

It was predicted that the Alice Sidney Company will set casing Monday or Tuesday. Pipe will be set to the bottom of the hole and perforated at the levels of the various sands that have been encountered. The best showing was obtained last Sunday and in a drill stem test oil snot over the top of the derrick and indicated a producer of from 3,500 to 5,000 barrels per day.

The other test is the Morgan B-1

of the Lion Oil Refining Company, which was coring from 5,721 to 5,725 teet in preparation for a drill stem test. A test scheduled for Friday night was not made as operators reamed down for more cores.

Like the Alice Sidney operators, the Lion company plans to make a thorough test of the formations before setting casing. A drill stem test last week in a good sand indicated a producer of about 2,500 barrels.

The Lion company has obtained permits for two additional tests in the area. Derrick has been erected and rig is to be installed soon on the Morgan B-2, a west offset to the Alice Sidney No. 1 on the same tract as the Morgan B-1. The second permit was issued Saturday for the Morgan A-2, to be a south offset to the Justiss No. 1 producer of the Marine Oil Company. Ground is being cleared for the derrick.

is being cleared for the derrick.

The Alice Sidney Company is rigging up for a test on the Powledge estat in section 7-18-17, about half a mile north of the company's No. 1. The company has made location for the No. 2 Morgan, southeast of the No. 1 well on the same lease. Rigused on the No. 1 will be used on the No. 2 well. J. I. Roberts of Shreveport is contractor for the Alice Sidney Company.

The Phillips Petroleum Company

The Phillips Petroleum Company is reported to have let contract to F. H. Brown of Shreveport to drill three tests in the Shuler area. One well will be a north offset to the Alice Sidney No. 1 test. The second will be a west offset to the Marine No. 1, and the third will be either a south or a west offset to the Lion's discovery well.

The Marine Company has made location for an east offset to the Alice Sidney No. 2 in section 17-18-

E. M. Jones is preparing cellar for the Murphy No. 1 in section 19-18-17 about three-quarters of a mile south of the Alice Sidney No. 1.

Big Producer Indicated In Morgan B-1 Gazette 6-8-37

and is from a depth below any other previous showing.

the formation for a thorough test of

Since the oil sands have been en-countered in the Shuler area, the bet-ter sands have been at the lower depths, indicating that there may be even better sand still lower.

Hole Down 5,741 Feet. The test this morning was made from a depth of 5,731 feet with bottom of the hole at 5,741 feet, with about four feet of rich oil sand cored.

When the testing tool was lowered to the seat, a pressure of 10 pounds was built up in 1 1-2 minutes. At the end of 4 1-2 minutes the pressure was 400 pounds and was 450 pounds in five minutes. At 5 1-2 minutes the pressure was 500 pounds, and oil began shootting out the top of the drill stem into the derrick at 6 1-2 minutes. All of the tests were through a half-inch choke on the drill stem at the top and bottom.

The Lion made a drill stem test about 10 days ago at a higher level which indicated a producer of from 2,500 to 3,000 barrels of oil and 15,000,-

000 to 20,000,000 cubsic feet of gas.

It is expected that the Lion will continue coring of the test until the section is thoroughly tested and the for-mation pierced, and then will set casing the full depth and perforate the pipe at the levels of the various sands. Alice Sidney Test.

In the meantime the Alice Sidney Oil Company is setting casing for final testing of the D. S. and J. C. Morgan No. 1 test, east of the Lion well. Casing is being set at a depth of 5,735 feet, and final testing is expected to be started

Operators on the Alice Sidney obtained a showing indicating a producer of from 3,500 to 5,000 barrels of oil in a the meeting. At the previous meeting stem test yesterday. Oil shot the regulation of one well to each over the top of the derrick in 12 min-utes, but the drillers continued coring acre tract was adopted. In special cases

operations to the present depth.

The sand tested by the Lion this morning was cored by the Alice Sidney, but not tested by the drill stem. Operators said that the sand would be perforated in the completion of the well as well as the other sands encountered at higher levels.

Rigging up is nearing completion on the Powledge Estate No. 1 well of the Alice Sidney in Section 7-18-17, and drilling operations are drilling operations are expected to get

The Lion also is rigging up on the Close observers of the new Morgan B-2 well, a west off-set to the area in South Arkansas. Alice Sidney test on the same 40-acre tract as the B-1 well.

The Marine Oil Company today obtained a permit for the Fee No. 1 test to be located in the northwest corner of the southwest quarter of the south-west quarter of Section 17-18-17.

Shuler Field Regulations Adopted

Special to the Gazette. 6-9-37
El Dorado, June 8.—Permanent rules and regulations for the orderly development of the new Shuler area west of El Dorado were adopted at the meeting of the state Board of Conservation C. E. Harris, chief conservation agent and

E. Harris, chief conservation agent and secretary of the board, said today. Temporary regulations were adopted at a meeting several months ago.

Regulations require that 800 feet of surface casing be set with cement from top to bottom by pump and plug method and that cement be allowed to set 24 hours under pressure and a total min. hours under pressure and a total minimum of 48 hours before drilling is resumed. Production string shall be new casing mill tested to at least 2,000 pounds a square inch set with not less than 500 sacks of cement allowed to stand 24 hours under pressure and a total minimum of at least 96 hours before plug is drilled. Position of the oil horizon shall be determined by coring or testing and the production string shall be cemented below the gas oil contact. The casing shall be set at sufficient depth to cut off all gas formation above the oil saturated horizon. Casing Must Be Tested.

Before drilling of plug on production string, the casing shall be tested in the presence of an agent of the conservation board by pump method. After the mud fluid is displaced with clear water, pump pressure of 1,250 pounds shall be applied and stand for 30 minutes with-Special to the Gazette.

El Dorado, June 7.—A drill stem test indicating a producer of from 10,000 to 15,000 barrels of oil and from 30,000,000 to 60,000,000 cubic feet of gas was made this morning on the Morgan B-1 well of the Lion Oil Refining Company in Section 18-18-17, in the Shuler and second the second standard for 30 minutes without a drop of more than 50 pounds in 30 minutes without a drop of more than 50 pounds in pressure. Casing clearance nermits must be obtained from the area west of El Dorado.

The showing was by far the best conservation agent before completing made in any test in the Shuler area, and is from a doubt help area.

Blow-out Preventers.
Blow-out preventers shall be installed After the test, officials of the Lion on the first string of casing and on all company announced that coring would be continued until there is a break in sure at least once every 24 hours or on demand of conservation agent and the entire control system shall be in good working order at all times. Well-head fittings shall be tested prior to installation to at least 5,000 pounds pressure per square inch. Special tests of cas-ing or casing seats may be required by the conservation agent at any time.

Tubing on Flowing Wells. Flowing wells shall be equipped and produce through tubing of not less than two and one-half inches in diameter tions shall not extend over 20 feet above

Wells Must Be Cleaned.
All wells shall be cleaned into a pit not less than 150 feet from the derrick floor and not less than 150 feet from any other fire hazard and no boiler or electric light generator shall be nearer than 150 feet to any producing well or storage tank.

All flowing wells must be produced through a separator of ample capacity and in good working order. Adequate chokes or beans shall be maintained to control flow of oil from producers and swabbing or bailing operations and drill stem tests must be completed in daylight hours before sunset

Fire Walls Necessary,

All permanent oil tanks must be surrounded by dikes or fire walls with capacity one and one half times the capacity of the tanks. All waste must be burned to prevent creating a fire hazard or polluting a stream and all rubbish or debris must be removed at least 150 feet from walls, tanks or pump stations. No Spacing Regulations Made.

No spacing regulations were made at the meeting. At the previous meeting the regulation of one well to each 10 application for special permit must be made and if no objection if filed by adjoining lease or land owner in a speci-fied length of time, the special permit will be issued.

A strong theory that the new Shuler field will be capable of producing oil and gas from strata 150 feet thick has been advanced by drilling companies and close observers of the newest production

brought in at different levels and indications are that two more will be brought in at two other different levels.

The Lion Oil Refining Company obtained production in its Edna Morgan No. 1 discovery well at 5,556 feet and

Justiss well of the Marine Oil Company, obtained a producer of 1,000 barrels a day through a three-quarter inch choke at 5,603 feet.

In the first successful drill stem test on the Morgan B-1 well of the Lion company at 5,585 to 5,598 feet, a producer of 2,500 to 3,000 barrels of oil and 15,000,000 cubic feet of gas was

Early last week the Alice Sidney Company in a drill stem test on its D. S. and J. C. Morgan No. 1 test obtained a showing indicating a producer of from 3,500 to 5,000 barrels of oil and 20,000,000 cubic feet of gas at a depth

The test this week on the Morgan B-1 test of the Lion company was from 5,731 to 5,741 feet.
Oil Good Quality.

All of the oil in all of the drill stem tests and in the two producers has been of about 43 gravity, indicating that it is all being produced from the same

The bottom of the formation has not as yet been pierced and Lion Oil officials have indicated that coring operations will be continued on the Morgan B-1 test until the "section" is thorough-

New Wells Started In Shuler Field

Gazette

6-10-37 Special to the Gazette.

El Dorado, June 9.-While drilling operations are under way on a new test in the Shuler area another well is expected to be started tonight and coring operations are being continued on a test while operators are waiting the setting of casing for completion of an

expected big producer.

The new test is the north outpost Powledge estate No. 1 test of the Alice Sidney Oil Company in the southeast corner of the southwest quarter of the southeast quarter of Section 7-17-18. It is a half mile north of the present action in that area.

Drilling operations were started Tues-day night and 80 feet of casing were set. Operations were resumed this morn-About 800 feet of surface casing

Jones To Start.

The test expected to be started to-night is the Murphy Land Company No. 1, of Edwin M. Jones in the northwest corner of the northeast quarter of the northeast quarter of Section 19-18-17.

Operators on the Morgan B-1 of the Lion Oil Refining Company continued coring today at a depth of 5,774 feet. with bottom of tubing not less than 20 Cores were reported showing shale and feet above top of producing horizons. Streaks of oil sand. Coring will continue If the tubing is perforated the perforauntil a break is found in formation beuntil a break is found in formation be-fore casing is set. The well probably will be taken to about 5,800 feet.

Test Near Completion.

Operators on the D. S. and J. C. Morgan No. 1 test of the Alice Sidney Oil Company are waiting for casing to set before drilling plug and complet-ing the well. Casing was set Monday and the plug will be drilled and the pipe perforated Saturday. The well will be completed Sunday or Monday. Showings indicated a producer of 3,500 to 5,000 barrels of oil and 15,000,000 cubic 5,000 barrels of oil and 15,000,000 cubic feet of gas on a drill stem test a week Morgan B-1

Lion to Drill Another.

The Lion company will start opera-tions on its Morgan B-w Friday or Sat-

The Marine Oil Company has erected a derrick and is moving rig for the Fee No. 1 test in Section 17-18-17. Operations are expected to start early next

west quarter of Section 18-18-17.

Morgan B-1 Encounters Rich Sand Gazette 6-12-37

Special to the Gazette.

El Dorado, June 11.—Operators on the Morgan B-1 test of the Lion Oil Refining Company prepared to set casing tonight at 5,827.5 feet following the taking of two cores in a highly saturated oil sand

The last core was taken this morning at 5,823 to 5,827.5 feet. The previous core was taken last night from 5,818 to

It is expected that reaming down found by the same company at 5,741 feet. A drill stem test indicated a producer of at least 10,000 to 15,000 barrels. Thursday.

Six Distinct Sands Shown.

Six distinct sands, all showing good indicated big production, were encount-

The best drill stem showing was at 5,731 to 5,740 feet where oil flowed over the top of the derrick in six minutes and indicated a producer of 15,000 barrels of oil and 30,000,000 to 60,000 cubic feet of gas.

Morgan B-L May B2-37

Brought In Next Week

Brought In Next Week

A heavily saturated sand was encountered in coring at 5,742 to 5,754 feet but no test was made.

Final Showing Best, The final showing obtained at 5,797 to 5,827.5 feet was the best showing of the entire depth. It was reported that the final sand was the best encountered in South Arkansas.

Casing will be set at 5,717 feet and pipe will be perforated at the level of the various sands encountered above that level and there will be open hole for production from the bottom sand.

Jones Begins Drilling. After several delays, drilling opera-tions were started on the Murphy Land Company No. 1 test of Edwin M Jones et al. in the northwest corner of the northeast quarter of the northeast quarter of Section 18-18-17. It is expected to be set tomorrow or Sunday.

Operators on the Powledge No. 1 of the Alice Sidney Company in the south-east corner of the southwest quarter of the southeast quarter of Section 7-18-17 are drilling below surface cas-

the extent of the Shuler production. All tests heretofore have been in Section 18-18-17. If the two out-post tests are completed for producers, more tests being drilled in a large area.

Completion Expected. Completion is expected this week-end on the D. S. and J. C. Morgan No. 1 test of the Alice Sidney Company in the northwest corner of the north-east quarter of the southeast quarter of Section 18-18-17.

Plug will be drilled on the test to-morrow night and the casing perforated and tubing run into the hole for

Completion Of Test Delayed

Gazette 6-13-37 Special to the Gazette.

pecial to the Gazette.

El Dorado, June 13.—Completion of feet.

The Murphy Land Company No. 1

The Murphy Land Company No. 1 the D. S. and J. C. Morgan No. 1 test of The Lion company has obtained a the Alice Sidney Company, scheduled permit for the Morgan A-2, in the northwest corner of Lot 1 in the southmorrow. Tubing was run into the hole this afternoon and the washing-in process is expected to be started early to-

The plug was drilled on the test yesterday afternoon, and the casing perforated last night and this morning for the fee No. 1 test in section 17-18after a casing pressure test. In the test 17. 1,250 pounds of pressure was put into the casing and allowed to stand for half an hour. Conservation Department regulations require that there be not more than 50 pounds drop in pressure in the half hour test.

Several sands encountered in coring and drill stem testing were perforated, and production is expected to be obtained from most of the sands, including a sand at 5,558 to 5,568 feet. A producer of from 3,500 to 5,000 barrels of oil and 15,000,000 to 20,000,000 cubic feet

week for the largest producer in the

Three other wells are drilling in the Shuler area and a fourth was started

the Alice Sidney Company in section 7-18-17, a north outpost test, is drilling

below surface casing at about 1,000 feet The Murphy Land Company No. 1 of Edwin M. Jones et al. in section 19-18-17, a south outpost well, was drill-

Brought In Next Week

El Dorado—Taking cores in the Morgan B-1 well of the Lion Oil Refining Company, in the new Shuler field, was completed yesterday, preparations were made to set casing, and it is believed final test of the well, which has made excellent showings and revealed a number of deep oil bearing strata, will take place about Thursday of next week.

The last core was taken Friday morning at 5.823 to 5.827.5 feet. The showing in this core was the best yet encountered and the saturated sand is believed by many to be the best in south Arkansas.

The best drill stem test was at 5.731 to 5.740 feet, when oil went over the top of the derrick in six minutes, indicating a producer of about 15,000 barrels of oil a day, in addition to 30,000,000 to 60,000,000 feet of gas. Casing will be perforated at the level of various sands above that level, and there will be an open hole at the lowest oil bearing sand.

the bottom for production from the lowest oil bearing sand.

Two Test Indicators. The Jones well and the Alice Sidney tests to a great extent, will determine May Bring in **Next Gusher**

Democrat 6-14-37 Plug Drilled Saturday Night; Two Permits at Shuler Issued.

El Dorado—Completion of

morrow night and the casing perforated and tubing run into the hole for final testing operations expected to be started Sunday.

Lion Ships Four Trainloads
Of Products, Setting Record.

The Lion Oil Refining Company shipped 110 car loads of oil products yesterday, the largest shipment for a single day in its history, Col. T. H. Barton, president, said today.

The shipment yesterday, Colonel Barton predicted that the Lion company also will set a new record this month in the total number of carloads shipped from the El Dorado refinery. Company officials predicted that shipments of products this month will total more than 1,900 cars, 100 cars moved out.

Barge shipments of gasoline will start June 15 will be included in the listings of total car load shipments this month Gasoline will be shipped by water to Memphis where the company has established a terminal for distribution of Lion products in Mississippi and Tennessee.

leted for the largest producer in

The last ten feet of sand cored in the well was reported to have the best oil saturation yet encountered in south Arkansas. Completion of the well is expected about Thursday of the coming week

the coming week.

Three other wells are drilling in the Shuler area and a fourth, it was believed, would be started late Saturday.

urday.
The Powledge No. 1 of the Alice
Sidney Company, in section 7-17-17,
a north outpost test, is drilling be-

of Edwin M. Jones et al., in section 19-18-17, a south outpost well, is drilling below 16-in a surface

pipe.
The Morgan B-2 of the Lion Company, a west offset to the Alice Sidney Morgan test, was spudded in Saturday morning and is expected to set about 80 feet of 16-inch surface

Permits were issued by the Con-servation department for two new wells, locations of which have been announced, and another locati announced by the Lion Oil Refining

Company.

The new locations are for the Morgan A-3 of the Lion Oil Refining Company, in the southeast corner of lot 1 in the southwest quarter of section 18-18-17; and the Murphy Fee No. 1 of Jones, Murphy and Hurley, in the northwest corner of lot

oil and 15,000,000 to 20,000,000 cubic feet of gas is indicated. The well was bottomed at 5,735 feet and casing was set at that depth.

Morgan B-1 Cased.

The Lion Oil Refining Company has completed setting of casing at 5,817 feet in its Morgan B-1 in section 18-18-17, which is expected to be completed this week for the largest producer in the

245

Alice Sidney Well, Shuler Field, Is In

Democrat 6-15-37 Third in Area, Morgan No. 1 May Be Good for 2,000 Barrels.

El Dorado—The third well to be completed in the new deep sand field at Shuler, southwest of El Do-rado, was brought in today as a big

The well is the D. S. and J. C. Morgan No. 1, of the Alice Sidney Oil Company, in the northwest corner of the northeast quarter of the

one of the northeast quarter of the southwest quarter of section 18-18-17. Swabbed in this morning and now flowing through two-inch tubing, the well is estimated to be good for from 1,500 to 2,000 barrels daily.

It is likely that the well will require some time to clean itself, but field followers were convinced from the initial showing that a good producer of both oil and gas is assured. The Alice Sidney well is to the east of the discovery producer of the Lion Oil Refining Company in the same section. The well is producing from several sands since the casing was perforated at several depths where good cores were obtained.

Another Big Producer In Shuler Field Gazette 6-15-37

Special to the Gazette.

El Dorado, June 14.—The third and largest producer in the Shuler area, west of El Dorado, was completed this morning by the Alice Sidney Oil Company on the D. S. and J. M. Morgan No. of the oil fra test, in Section 18-18-17, half a mile

east of the discovery well.

The flow during the first several hours of production was gauged at 2,200 barrels of oil and about 4,000,000 cubic feet of gas a day.

Tubing was run into the hole yesterday afternoon, and washing started early today. The well failed to flow after being washed, and it was swabbed several times. The flow was allowed to run into the slush pit for about an hour before being turned into the separator. The well then gauged 90 barrels

Production from the well is being placed in several large storage tanks on

Immediately after the well was com-pleted crews began tearing down the rig for moving to the location of the D. S. and J. S. Morgan No. 2 test, in the southeast corner of the northeast quarter of the southeast quarter, where a derrick already has been erected.

Fourth Completion Expected. Completion of the fourth well in the area is expected later this week on the Morgan B-1 test of the Lion Oil Refining Company, in the southwest corner of the northwest quarter of the south-east quarter of Section 18-18-17, where casing was set last week at 5,817 feet after six distinct sands had been cored

Drilling operations are being rushed on four other tests in the area while rigging up is being completed on sev-

Shuler Field Drilling Rush Under Way

Special to the Gazette. 6-13-37 El Dorado, June 12.—Completion of the third Shuler production is expected 270 feet before abandoning it, is this week-end and a fourth well is expected to be completed in about a week. Drilling operations are under way on two additional tests and several more

Completion Expected Soon.

The well expected to be brought in this week-end is the D. S. and J. C. Morgan No. 1 test of the Alice Sidney Oil Company, Dr. J. S. Rushing, trustee. The test is located in the northwest corner of the northeast quarter of the southeast quarter of Section 18-18-17.

Casing was set early this week at 5,-735 feet after a drill stem test at 5,558 to 5,568 feet indicated a 3,500 to 5,000 barrel oil producer. Approximately 15,000,000 to 20,000,000 cubic feet of gas

Plug was drilled on the test tonight and operators were to perforate the casing tomorrow morning and run tubing in the hole. Operators set casing at Morgan No. 1.

Although the Phillips company abandoned the discovery well it retained a half interest in the lease and considerably will be completed before noon,

and shale mixtures were cored.

Morgan B-1 Set Casing.

Two good oil showings at different levels were obtained in the test. The first showing was obtained at 5,585 to 5,598 feet which indicated a producer of 2,500 to 3,000 barrels of oil and 15,-000,000 cubic feet of gas.

ough test of the formation before setting casing.

new Shuler area from a depth of 5.556 to 5.559 feet where production is being obtained in the discovery well. At 5.750 ation Board adopted last month for the

area. The well was spudded in Tuesday night and 50 feet of 16-inch casing set to protect the hole under the derrick. Eight-hundred feet of surface casing was set with cement from top to bottom Thursday night. Drilling operations were resumed this week-end.

Eddie Jones in Operation.

Eddie Jones in Operation.

Eddie Jones in Operation.

Jones is expected to play a major part in the development of the Shuler area. Jones, C. H. Murphy and Joe Hurley, El Dorado oil men, own more than 2,000 acres of leases in the Shuler area and it is understood that the three men plan extensive developments.

Lion to Begin Morgan B-2.

The Lion Oil Refining Company was expected to start drilling this week-end operator desires to drill on less than 10

on the Morgan B-2 test in the northeast southeast quarter of Section 18-18-17. It will be a west off-set to the D. S. and J. C. Morgan test of the Alice Sidney Company. The well is in the northeast corner of the same 40-acre tract on which the Morgan B-1 test is located on which the Morgan B-1 test is located acres in the southwest corner

Marine Plans Another.

The Marine Oil Company is expected to start drilling early this week on the Fee No. 1 test in the northwest corner of the southwest quarter of the south-west quarter of Section 17-18-17. The test is more than half a mile east of the discovery well and about a quarter of a mile southeast of the D. S. and J. C. Morgan No. 1 test. It is the first test to be located in Section 17-18-17 and completion for a producer will cause other operations in the section.

Lion A-2 Coming Up. The Lion company is erecting derrick for the Morgan A-2 test in the northwest corner of lot 1 in the south-west quarter of Section 18-18-17. The test is a south off-set to the Justiss No.

producer of the Marine company. The Lion company also has n location for the Morgan A-3 to be located in the southeast corner of lot one in the southwest quarter of Section 18-

Phillips Re-enters Play.

The Phillips Petroleum Company, which drilled the discovery well to 4,-270 feet before abandoning it, is preparing to rig up on three off-set tests in the Shuler area.

One of the wells will be the Marcus Justiss No. 1 in the southeast corner of lot six in the northwest quarter of El Dorado, June 18.—The plug was Section 18-18-17 as a west off-set to drilled today and completion is expected

and 990 feet west of the southeast corner of the south half of the northeast quarter of Section 18-18-17 as a north off-set to the D. S. and J. C. In into the hole.

the bottom of the hole and will perforate pipe at the level of the oil sands encountered in coring and testing operations. More than 80 feet of oil sand 17. The test will be the Murphy-Fee No. 1. It will be located in the north-Casing was expected to be set this week-end below 5,800 feet in the Morgan B-1 well of the Lion Oil Refining Company in the southwest corner of the Poethwest covers of the southwest covers of the So

northwest quarter of the southeast quar-ter of Section 18-18-17.

location for a second well on its D. S. cubic feet of gas.

Seven Other

of 2,500 to 3,000 barrels of oil and 15,000,000 cubic feet of gas.

The second test was from a depth of 5,731 to 5,741 feet and indicated a producer of from 10,000 to 15,000 barrels of oil and 30,000,000 to 60,000,000 cubic feet of gas. More than 100 feet of shale with oil bearing sands were cored in the test and operators will make a thorough test of the formation before set-

The Justiss No. 1 of the Marine Oil Company is producing 800 barrels of oil Oil Sand Deep.

More than 200 feet of oil sands and shale have been cored and tested in the shale have been cored and tested in the depth of 5,603 feet.

feet good showings were obtained in the development of the Shuler area were New Alice Sidney Test Underway.

Drilling operations under surface casing are under way on the Nancy E. ing are under way on the Nancy E. Powledge No. 1 test of the Alice Sidney Oil Company in the southeast corner of the southwest quarter of Section 7-18-17. This test is more than half a mile north of production in the area. It is the first northout-post well to be drilled in the area. The well was spudded in Tuesday sacks of cement and allowed to set for the surface casing of 1,600 feet of casing cemented from top to bottom and an oil string which must be allowed to set five days before drilling the plug. The new rules today was set of set of surface casing in its control of the southwest quarter of the southwest quarter of the southwest quarter of the southwest quarter of the southwest of the Alice Sidney was provided with an intermediate string of 1,600 feet of casing cemented from top to bottom and an oil string to design in the southwest quarter of the so altered somewhat when permanent rules northout-post well to be drilled in the oil string to be set with at least 500 feet of surface casing in its Fee No. 1 area. The well was spudded in Tuesday sacks of cement and allowed to set for test in section 17-18-17.

Operations a south outpost test were started this week by Edwin M. Jones. It is the Murphy Land Company No. 1 in the northwest corner of the northeast quarter of the northeast quarter of Section 19-18-17. pounds pressure and blow out preven-

expected to start drilling this week-end operator desires to drill on less than 10 on the Morgan B-2 test in the northeast acres, application must be made for a corner of the northwest quarter of the special permit and if no objection is southeast quarter of Section 18-18-17. made by adjoining lease and land ownIt will be a west off-set to the D. S. ers, a permit will be issued. It has been

Lion's Morgan Bal May Become Producer Today

El Dorado—Indications were that the Lion Oil Company's Morgan B-1 well, in the Shuler field, 15 miles southwest of here, might come in as a producer this afternoon or tonight. The plug was drilled yesterday. Washing of the well was under way at noon and it was reported swabbing would be started shortswabbing would be started short-

If the well flows it will be the fourth gusher of the new deep field. Casing was perforated Friday afternoon and tubing was run in the hole. Casing was set at 5,827 feet earlier in the week.

There have been predictions that the well would flow from 10,000 to 15,000 barrels daily. It is in the southeast quarter of section 18-18-

in the southwest quarter of Section 1818-17. It will be a west off-set to the Lion's Morgan B-1 test. Both the Morgan A-2 and the Morgan A-3 are located on the same 40acre tract as the discovery well. Phillips Re-enters Play.

Gazette Special to the Gazette. 6-19-37

the Marine's Justiss No. 1 producer.

Another Phillips' tests will be the Marcus Justiss No. 2 in the northeast corner of lot two in the southwest quarter of Section 18-18-17 as a west offset to the Lion's Morgan A-2 test.

The company's third test will be the Ed Gann No. 1 located 330 feet north and 900 feet west of the southeast courters of section 18-18-17.

Big Producer Expected. Casing was set early this week at 5,-827 feet after six distinct oil sands were

weeks ago, the well made such a showing that oil men predicted that it will produce from 10,000 to 15,000 barrels of oil and from 30,000,000 to 60,000,000 Seven Other Tests in Progress.

tested from 5,532 feet to the bottom of the hole. On a drill stem test several

Drilling operations are under way on seven other tests in the area and a new location has been made.

The new location is the Ed Gan No. 2 test of the Phillips Petroleum Company to be located 33 feet from the south line and 1,650 feet from the east line of the northeast quarter of section 18-18-

drilling at 2,900 feet on its north outpost Powledge No. 1 test in section 7-18-17, and Jones, Murphy & Hurley are drilling a water well while waiting for 800 feet of surface casing to set in their south outpost Murphy Land Company No. 1 well in section 19-18-17.

The Lion is drilling on three other tests. The Morgan B-1, a west offset to the Alice Sidney producer in 18-18-17, is drilling below 2,210 feet.

Drilling operations were started today on the Morgan A-2, a south offset to the Marine Justiss No. 1 producer in section

The Phillips Petroleum Company is waiting to drill under 835 feet of surface casing in its M. Justiss No. 1 test, a west offset to the Marine producer, and today was setting 805 feet of surface casing in its M. Justiss No. 2 test, also

The Marine Oil Company has set 805

Fourth Shuler Producer Completed 6-20-37

Tests May Be Indicators.

The Powledge and Murphy tests are more than a mile apart and members of the oil fraternity are watching developments closely. It is believed that the two wells will serve as indicators of the north-south possibilities of the field.

Inner is expected to play a major 20 feet above the top of producing horihour tonight through a half-inch choke for a total daily production of 1,632 barrels, and was making 681,000 cubic feet of gas. It is the fourth producer

Contrary to earlier plans, the well was perforated at a level of 5,797 to 5,826 feet. The plug was not drilled to the bottom of the hole, where the best showing was obtained. The well had obtained good oil and gas showings from six distinct sands from 5.532 to 5.827 feet. It had been planned to perforate

feet of gas daily through a half-inch tubing choke; the Justiss No. 1 of the Marine Oil Company, which is producing 700 barrels of oil and 1,000,000 cubic feet of gas daily through feet of gas daily through a half-inch tubing choke, and the D. S. and J. C. Morgan No. 1 of the Alice Sidney Oil Company, which is producing 1,000 bar-

rels of oil and 1,500,000 cubic feet of gas daily through a three-quarters-inch

New Lion Well **Making About** 1,200 Barrels

Democrat 6-20-37 Not Up to Expectations,

but a Good Shuler Field Gusher.

El Dorado—The fourth, and what is expected to prove one of the best, producers in the new Shuler oil field, to the southwest of El Dorado was completed Saturday.

The new well was brought in by the Lion Oil Refining Company in the completion of the Morgan B-1, in section 18-18-17, on the same lease as the discovery producer completed several weeks ago.

First estimated as a well good for from 2,000 to 2,500 barrels daily, the well late Saturday was flowing from 40 to 60 barrels an hour, or about 1,200 barrels daily. It had completed clearing itself and observers were hopeful of larger production after the flow has continued for some time. The fluid is showing seven per cent basic sediment and one-half time. The fluid is showing seven per cent basic sediment and one-half of one per cent of salt water. Im-mediately after the wel lbegan flow-ing the oil was turned into the seping the oil was turned into the sep-arator and no estimate was made of

Plug was drilled on the well Friday afternoon and the casing was perforated and tubing run into the hole Friday night. Washing was 18-17.

Casing was set at 5,827 feet after six distinct sands were cored and tested. Casing was set at the bottom of the hole and perforated at all the levels where oil bearing sands were encountered. Lion Well to

Be Revamped

Company 'Kills' Morgan B-1 and Will Cut In at

Higher Level.

Democrat 6-22-37

El Dorado—The Lion Oil Company, dissatisfied with the showing made by the Morgan B-1, latest producer in the Shuler field, "killed" the well temporarily yesterday, and will plug up some of the perforations in the casing and cut in at a higher level in the hope of getting greater production and eliminating the salt water that had come to be troublesome.

Production was 68 barrels of oil

Production was 68 barrels of oil an hour along with 681,000 feet of gas, when gauged Saturday, but Sunday the flow of salt water had increased and the gauge showed about 10 barrels of oil an hour and 30 barrels of salt water.

rels of salt water.

The crew is expected to plug up from the bottom of the hole and perforate the casing at a considerably higher level.

Morgan B-1 Test to Be 'Recompleted'

El Dorado, June 21.—The Lion Oil Refining Company has "killed" its latest producer in the Shuler field west of El Dorado and is making plans to "re-complete" it at a different level, prob-

bly this week-end.

The well is the Morgan B-1 which was completed Saturday through perforated casing at 5,797 to 5.826 feet.

Company officials previously had announced that the well would be com-pleted with production from the bottom of the hole at 5,826 feet and also from

aix sands encountered in coring.

However, the well was completed from only the 5,779 to 5,826 feet, and it was reported that the plug was not drilled to the bottom of the hole.

Production from the perforation was the rate of about 68 barrels an hour of oil and 681,000 cubic feet of gas daily Saturday afternoon and night. There was a slight showing of salt water after a few hours.

The flow of oil and salt water both increased yesterday to such an extent that the well was flowing about 70 barrels of oil and 30 barrels of water an hour, and officials decided to "kill" the well and case off the salt water and and complete the well from a different level

It is probable that operators will plug up from the bottom of the hole to a considerably higher level where showing was obtained that indicated a 10;000-barrel producer and will perforate the pipe at that level for a big pro-

The well is located in the southwest corner of the northwest quarter of the southeast quarter of section 18-19-17.

Other Operations.

Other Operations.

Drilling operations are being pushed on several other tests in the area.

The Alice Sidney Company is drilling at 3,200 feet on the Powledge No. 1, a north out-post test, in section 7-18-17, while the Lion is drilling at 3,000 feet on the Morgan B-2, a west offset to the Morgan No. 1 producer of the Alice the Morgan No. 1 producer of the Alice Sidney Company in section 18-18-17. The Phillips Company is drilling at 2,500 feet on the M. Justiss No. 1 test,

west offset to the Justiss No. 1 producer of the Marine Company in section 18-18-17. The same company is drilling at 850 feet on the M. test, also in section 18-18-17.

Jones, Murphy & Hurley are drilling at 1,450 feet on the Murphy Land Com pany No. 1 test, a south out-post test in section 19-18-17.

The Marine Company is drilling below 800 feet of surface casing in the Fee No. 1 test, in section 17-18-17.

With the Lion's second test shut in there now are three producers in the Shuler field; the Morgan A-1 discovery well of the Lion company which is producing 300 barrels of oil and 2,000,-000 cubic feet of gas daily through a half-inch tubing choke; the Justiss No. 1 test of the Marine company which is producing 714 barrels of oil and 1,00,000 cubic feet of gas through a half-inch tubing choke, and the D. S. and J. C. Morgan No. 1 of the Alice Sidney Company which is producing

244 Morgan B-1 Plugged In For New Test

Gazette

one tested last weekend that showed large production including a sand at about 5,727 to 5,743 feet which indicated production of about 10,000 barrels daily and 30,000,000 cubic feet of

Barton Asks \$1,000 Bonus For Oil Well

Gazetto 6-25-37 Col. T. H. Barton of El Dorado, presdent of the Lion Oil Refining Company, filed formal application with Governor Bailey yesterday, for a \$1,000 bonus appropriated by the General Assembly of 1935 for the first person or company to "produce oil in commercial quantities in an Arkansas area not known to be commercial."

Commercial."

He filed the application jointly for the Lion Oil Refining Company and the Phillips Petroleum Company. The application was addressed to Governor Bailey, Attorney General Jack Holt, State Geologist Geo. C. Branner, and Revenue Commissioner Dave L. Ford as a commission created by Act 201 of 1935 when final testing is started on the Morgan B-1 well, in section 18-18-17, Sunday.

Lion Oil Refining Company of El Dorado and the Phillips Petroleum Company of Oklahoma filed application for the bonus, under provisions of act 201 of 1935 which grants a bonus to any person, firm or corporation for development of the state's natural resources in hitherto undeveloped areas.

T. M. Martin, vice president of the Lion company, who made the appli-

"It has not been determined as to how this money will be expended when received, but you may rest assured it will be donated or used for a worthy cause."

Attaches of Governor Bailey's office said it was the first such appli-cation received since the bonus act

Second Test On MorganB-1 Slated Today

Special to the Gazette. 6-23-37
Ell Dorado, June 22.—Operators on the Morgan B-1 test of the Lion Oil Refining Company today plugged the hole with cement preparatory to making another test of the well at a level higher that the sand previously tested which made a big showing of salt water.

The hole was plugged from a depth of 5,792 to 5,827 feet. It is expected that the plug will be drilled Friday. Company officials said no decision has been made as to which of the sands will be tested through casing perforations. There are still several sands above the one tested last weekend that showed El Dorado, June 25.—The plug was pressure. drilled today for a second completion test on the Morgan B-1 well of the Lion Another Test

5,827 feet.

The plug was drilled from 5,797 to
5,822 feet, today and plans were being
made tonight to run a Johnson test
early tomorrow to make sure the cement
early tomorrow to make sure the cement
special to the Gazette.

Is Due Today

ing in Shuler Area,

well, in section 18-18-17, is producing 275 barrels of oil through a one-to-two-inch choke on the tubing with 600 pounds casing pressure and 275 pounds tubing pressure. The Justiss No. 1 of the Marine Company, in section 18-18-17, is producing 590 barrels of oil through a 26-64-inch choke on the tubing, with 522 pounds casing and 310 pounds tubing pressure. The D. S. and J. C. Morgan No. 1 of the Alice Sidney Company, in section 18-18-17, is producing 610 barrels of oil through a 28-64-inch tubing choke with 550 pounds casing and 105 pounds tubing pressure.

A Big Gusher

drilled below surface casing while four are waiting for cement to set at 800 feet. Drilling was started on one new well today.

Rigging up is under way on three other tests and three producers have been completed for a total of 21 operations in the field.

For Producting Gazette

A Big Gusher

El Dorado, June 29.—The form

Of Morgan B-1 To Be Made

The plug was drilled from 5,797 to 5,822 feet, today and plans were being made tonight to run a Johnson test early tomorrow to make sure the cement has plugged off the salt water.

Following the test tomorrow operators plan to perforate the casing again in horizon that was perforated before. Cement was left in the bottom of the hole to shut off salt water believed to expend to shut off salt water believed to be coming from the bottom of the hole.

Following perforation of casing, tubing will be run into the hole tomorrow afternoon and final testing is expected to be started Sunday morning.

Retesting of be 28-37

El Dorado, June 27.—Showings of salt water in a second testing of the 5,797 to 5,827-foot section in the Morgan B-1 was obtained today, and operators were reported planning to plug the test back to a higher sand from which good showing will be run into the hole tomorrow afternoon and final testing is expected to be started Sunday morning.

Retesting of the four producers in the new deep sand area at Shuler, southwest of here.

Lion Company officials announced that the well would be good for 8,200 barrels daily, flowing wide open through two and one-half inch tubings of oil were obtained in cores and drill stem tests several weeks 1go.

The section tested today was the portion of the section from 5,318 to 5,821 which was perforated yesterday after a portion of the concrete plug was drilled. In the previous test the casing was perforated from 5,797 to 5,827 feet, and after two days of production and at the rate of 86 barrels an hour and nine million cubic feet of gas daily. The well was shut in the section 18-18-17, which was announced as the biggest of the four productions as the biggest of the four production 18-18-17, which was completed last night, today was announced as the biggest of the four production as the because the biggest of the four production 18-18-17, which was completed last night, today was shut because the biggest of the four production as the biggest of the four production 18-18-17,

coming from the bottom of the hole.
Following perforation of casing, tubing will be run into the hole tomorrow afternoon and final testing is expected to be started Sunday morning.

Retesting of

Morgan Well

Reference paining to paining to good showings of oil were obtained in cores and drill stem tests several weeks ago.

The section tested today was the portion of the section from 5,818 to 5,821 which was perforated yesterday after a portion of the concrete plug was drilled. In the previous test the casing was perforated from 5,797 to 5,827 feet, and after two days of production, the well produced 70 barrels of oil and 30 barrels of water an hour, and operators decided to plug back for another test.

30-Foot Section Plugged.

30-Foot Section Plugged. Believing that the salt water production was obtained from the bottom of the horizon, drillers plugged the entire section from 5.797 to 5.827 with cement, and the plug was drilled from 5.797 to 5.822 feet, leaving five feet of cement in the hole. The pipe was perforated from 5.818 to 5.821 feet for final testing.

Bailey, Attorney General Jack Holt.
State Geologist Geo. C. Branner, and Revenue Commissioner Dave L. Ford as externed Commissioner Dave L. Ford as externed Commissioner Dave L. Ford as externed to the Lon company set 201 of 1983.

In a letter accompanying the application. T. H. Martin of El Dorado, toe president of the Lion company, explainted to George The Line and the Company set 201 of 1983. The application was the little received by state officials for the bonus provided by tate officials for the bonus provided by tate officials for the bonus provided by tate officials for the bonus provided by the Efficient of the Lion Company set as the Edna Morgan well because as the Edna Morgan well as company of the policy of t plug the well back to a higher level for production from another sand. There also is a possibility that operators may plug back for another test of the same section at a still higher level. The present test was from 5.818 to 5.821 feet and another test may be made from the section above 5.818 feet.

The best showing yet obtained in the Shuler area was made in the Morgan well at a depth considerably higher than the present showing, and it is believed.

the present showing, and it is believed likely that the Lion may test the higher

section 17-18-17, drilling at 2,220 feet.

Tests waiting surface casing are the Justiss A-1 of the Lion Oil Company, a south outpost to the Marine Droducer in section 18-18-17; the Ed Gan No. 1 of the Phillips Company, a north offset to the Alice Sidney producer in section 18-18-17; the Louis Rosen No. 1 (formerly Ed Gan No. 2) of the Phillips Company in section 18-18-17, and the C. H. Murphy A-1 of the Jones, Murphy and Hurley in section 19-18-17.

Tests waiting surface casing are the Justiss A-1 of the Lion Oil Company in section 18-18-17; the Murphy and Hurley in section 19-18-17; the Murphy and Hurley, a west outpost in section 18-18-18; the Katherine Gallagher No. 1 of the same operators in section 18-18-17; the Murine Oil Company of the Same operators in section 17-18-17; the Marine Oil Company in section 17-18-17.

The Lions' Morgan A-1, discovery The Lions' Morgan A-1, discovery the Lions of the Alice Sidney Company, a north out-post test in Section 7-18-17.

Nine wells in the area are being

Nine wells in the area are being

A Big Gusher Good for 8,200 Barrels a Day if Freed, Officials Say.

El Dorado—The Morgan B-1 of the Lion Oil Refining Company, in section 18-18-17, which was complet-

at the rate of 86 barrels an hour and nine million cubic feet of gas daily. The well was shut in today to allow pressure to climb in the bottom, prior to bottom hole pressure tests. Flow tests also will be made to determine the best possible production from the sand without decreasing the bottom pressure.

It is the plan of the company to experiment with various sized chokes to determine the best oil-gas

chokes to determine the best oil-gas

ratio.

The well nearly lived up to advance expectations on the strength of the showing in the drill stem test of being good for around 10,000 bar-

from 5,818 to 5,821 feet for final testing.

The test was made with a testing tool on the bottom of tubing with a half inch choke on top and bottom of the tubing. In the test the well was reported to have made 45 barrels of fluid an hour with about 14 per cent salt water.

Although it has not been announced officially by the Lion Company, it is reported that operators are planning to plug the well back to a higher level for production from another sand. There

Well Is Given Third Try-out

Democrat 6-30-37 Lion Company Hopes to Eliminate Troublesome Salt Water.

some Salt Water.

El Dorado—Completion of the fourth producer in the new deeps and area at Shuler was scheduled for late today.

The Lion Oil Refining Company was making final arrangements today for its third test on the Morgan B-1, in section 18-18-17. about a quarter of a mile to the southeast of the discovery well.

Perforating of the casing started this morning with tubing to be run in the hole early this afternoon, and bringing in of a good producer is expected. Salt water developed in the first two tests on the well and the flow was killed each time because of this difficulty.

Today's test will be of a section of sand encountered from 5.731 to 5.741 feet. In a drill stem test of the formation several weeks ago the well made a showing of being good for around 10,000 barrels of oil and approximately 30 million cubic feet of gas daily.

Previous testing of the well has been at a much deeper level. The first test was from 5.797 to 5.822 feet. There was a strong flow of oil but about 20 per cent salt water in the 40 barrels hourly and the flow was killed again.

Monday the entire lower section of sand was cemented off, a cement retainer was set at 5.790 feet. Plug was then set in the hole from 5.780 to 5.785 in preparation for the test of the shallower sand.

As field followers awaited the new Lion test they also were kept in touch with the many other operations in the area. There are nine well seriling at depths varying from 2.000 to below 5.200 feet. Four are waiting for surface casing to set, or are setting surface casing to set, or are setting surface casing to the four production from the sand without decreasing the bottom pressure to climb in the bottom, prior to bottom hole pressure tests. Flow tests also will be made to devent the best possible production from the sand without decreasing the bottom pressure.

The well was shut in today to allow pressure to climb in the bottom, prior to bottom hole pressure tests. Flow tests also will be made to devent the best possible production from the sand without

wells drilling at depths varying from 2,000 to below 5,200 feet. Four from the sand without decreasing the bottom pressure.

It is the plan of the company to experiment with various sized pected to start drilling operations chokes to determine the best oil-gas ratio.

Morgan B-1 For Producer

Special to the Gazette. 6-30-37 El Dorado, June 29.—The fourth producer in the Shuler area was completed this afternoon by the Lion Oil Refining Company on its Morgan B-1 well southeast of the discovery well for an estimated production of 1,500 to 2,000 barrels a day through a half-inch tubing choke with about 5,000,000 to 10,000,000 cubic feet of gas a day.

The well flowed through tubing after being washed and was the first well in the area to flow without being swabbed.

The well was completed through perforations in the casing at a depth of 5,731 to 5,738 feet. The casing was "shot" this morning and tubing run into the hole this morning and afternoon. Flows Steadily.

Washing through tubing and out the casing was started at 4:45 p. m. and continued for an hour and 10 minutes and washing was slowed down. The well flowed steadily through the casing for about an hour and conenctions were changed. The well then flowed through the tubing for about 12 minutes and then began to make oil and large quantities of gas.

Operators immediately turned the flow into the separator and the gas was

burned as a flare.
Casing pressure was 1,400 pounds immediately after the well started producing oil and tubing pressure was 700 pounds. It was said that the well was still making considerable washing water early tonight and would not clean itself until late tonight or early tomorrow.

Nine Tests Drilling. In addition to the well completed to-day there are nine other tests in the area drilling at depths from 2,000 feet to below 5,300 feet. Four are waiting for surface casing to set before resuming drilling operations and three others are rigging up and are expected to begin drilling operations in a few days. Second Pipe Line.

The Lion company is constructing its second pipe line to the new Shuler area. The new line will be an eight-inch line to supplemet the four-inch line built before the first producer was completed Gas production in the field is not sufficient to date to supply all the rigs operating and it is expected that fuel oil will be piped from the Lion refinery here for rigs in the eight-inch line. The Root Refining Company is also obtaining production from the field through a six-inch line constructed sev-

eral weeks ago.

New Wildcat.

A new wildcat location several miles southwest of production in the Shuler area was reported today. The test is reported being planned by I. J. Langley in the northwest several of the seventheest. the northwest corner of the southeast quarter of the northeast quarter of section 1-19-18.

The well nearly lived up to advance expectations on the strength of the showing in the drill stem test of being good for around 10,000 barrels daily.

