







# Morgan B-1 Plugged In For New Test Gazette

Special to the Gazette. 6-23-37  
El 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 than 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 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 gas.

# Barton Asks \$1,000 Bonus For Oil Well Gazette

6-25-37  
Col. T. H. Barton of El Dorado, president 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."  
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 to award the bonus.

In a letter accompanying the application, T. H. Martin of El Dorado, vice president of the Lion company, explained to Governor Bailey that "It has not yet 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, aside and separate from requirements of our companies individually."  
First Application.

The application was the first received by state officials for the bonus provided by the Fiftieth General Assembly. It said that the companies on April 5 of this year brought in what is known as the Edna Morgan well No. 1, in the center of Lot 1 of the Southwest Quarter of Section 18, Township 18 South, Range 17 West, Union county, at a depth of approximately 5,660 feet.  
The application said the "well is more than 10 miles from any well heretofore drilled, which has produced oil or gas in commercial quantities, and is in an area which was not known to be commercial on March 27, 1935, the date of approval of Act 201 \* \* \*." It said the well "has since April 5, 1937 and up to and including May 12, 1937 produced each day of 24 hours more than 100 barrels of oil of 42 gallons each."  
The latter requirements are stipulated in the act as eligibility for the bonus. Members of the governor's staff said that a meeting of the commission doubtless would be held soon to consider the application.

# New Well Owners Ask State Bonus Democrat

6-25-37  
Oil companies in Arkansas and Oklahoma sought a \$1,000 bonus from the state of Arkansas today for bringing in the Edna Morgan No. 1 oil well in Section 18-18-17 West in Union county.  
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 application, wrote:  
"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 application received since the bonus act was passed.

# Second Test On Morgan B-1 Slated Today Gazette

6-26-37  
Special to the Gazette.  
El Dorado, June 25.—The plug was drilled today for a second completion test on the Morgan B-1 well of the Lion Oil Refining Company in the Shuler area west of El Dorado. Following a showing of salt water in the well last week after completion for the first time, the well was killed and a cement plug placed in the hole from 5,797 to 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 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 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 Morgan Well Is Due Today Democrat

6-28-37  
Seven Wells Now Drilling in Shuler Area, Five Rigging Up.  
El Dorado—The Lion Oil Refining Company is expected to complete its second producer and the fourth for the Shuler area, west of El Dorado, when final testing is started on the Morgan B-1 well, in section 18-18-17, Sunday.  
Following drilling of plug on the well Friday operators Saturday morning ran a Johnson test on the well to make sure the cement had plugged the old perforations and shut off the salt water. The test was satisfactory, officials of the company said, and plans were being made to again perforate casing. The pipe was to be perforated from 5,818 to 5,821.5 feet.

The cement plug was set from 5,797 to 5,827 and all of the plug will be drilled out but the last five feet, operators being of the belief that the salt water production was coming from the bottom five feet of the section.  
Tubing was run into the hole Saturday night and the well will be ready for final testing Sunday. Meanwhile drilling operations are going ahead on eight other tests in the Shuler area while four additional tests are waiting for surface casing to set, and rigging up is under way on five others. Three producers have been completed in the area.

The wells drilling and their depths are: The Powledge No. 1, north outpost test of the Alice Sidney company, in section 7-18-17, drilling at 4,500 feet.  
D. S. and J. C. Morgan No. 2 of the same company, in section 18-18-17, drilling at 2,160 feet.  
Morgan B-2 of the Lion Company, in section 18-18-17, drilling at 3,640 feet. Morgan A-2 of the same company, a south offset to the Marine producer, in section 18-18-17, drilling at 2,275 feet.

The Marine Justiss No. 1, in section 17-18-17, drilling at 4,045 feet.  
The T. F. Marks No. 1 (formerly M. Justiss No. 2) of the same company, in section 18-18-17, drilling below 3,310 feet.  
Jones, Murphy and Hurley, Murphy Land Company A-1, a south outpost test in section 19-18-17, drilling at 3,180 feet.  
Marine Oil Company, fee No. 1, 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 producer 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 rigging up are the Morgan A-3 of the Lion Company, in section 18-18-17; the Murphy Land Company B-1 of Jones, Murphy and Hurley, a west outpost in section 13-18-18; the Katherine Gallagher No. 1 of the same operators in section 19-18-17; the Marine Oil Company No. 1 of the same operators in section 17-18-17; the Jones No. 1 of the Marine Oil Company in section 17-18-17.  
The Lions' Morgan A-1, discovery

well, in section 18-18-17, 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.

# Another Test Of Morgan B-1 To Be Made Gazette

6-28-37  
Special to the Gazette.  
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 well of the Lion Oil Refining Company was obtained today, and operators were reported planning to plug the test back to a higher sand from which 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.  
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.

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 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 likely that the Lion may test the higher formation.

# Salt Water Follows New Test Morgan B-1 Democrat

6-28-37  
El Dorado—Preparations were being made Monday for another test of the Morgan B-1 well of the Lion Oil Refining Company after showings of salt water in a second testing of the 5,797-to-5,827-foot section was obtained.  
Drillers plugged the entire section with cement after operators said they believed the salt water production was obtained from the bottom of the horizon. The plug was drilled from 5,797 to 5,822 feet, leaving five feet of cement in the hole.  
Plans also were being considered to plug the well back to a higher level for production from another sand, and operators may plug back for another test of the same section at a still higher level.

# Morgan B-1 Ready For Third Test Gazette

6-29-37  
Special to the Gazette.  
El Dorado, June 28.—Operators on the Morgan B-1 well on the Lion Oil Refining Company in the Shuler area west of El Dorado today made preparations for the third testing of the well, expected tomorrow. The test is expected to be from 5,731 to 5,741 feet, the level at which the best showing was obtained in coring and drill stem tests which indicated a producer of about 10,000 barrels of oil and 30,000,000 cubic feet of gas.  
Other Tests In Area.  
While chief interest in the area centers in the Lion well, several other tests in the area are nearing interesting stages, and one, which is below 5,000 feet, is expected to start coring in a few days. The well is the Powledge No. 1 of the Alice Sidney Company, a north out-post test in Section 7-18-17. Nine wells in the area are being

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.

# Morgan Well A Big Gusher Democrat

6-30-37  
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 completed last night, today was announced as the biggest 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 tubing. The gas production was estimated from 15 to 20 million cubic feet per day.

There is no salt water along with the oil and gas production as in the two previous tests made on the well. Flowing through one-quarter inch choke on the tubing, the well showed 33 barrels an hour and four million cubic feet of gas. Through a half-inch choke the production was 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 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 barrels daily.  
The test made yesterday was the third to be made on the well. The test was made from 5,731 to 5,738 feet, after the well had been cemented back and a plug installed, following salt water trouble in two tests of a lower section of sand from 5,797 feet to 5,826 feet.  
The new producer is to the southwest of the discovery well.

# Well Is Given Third Try-out Democrat

6-30-37  
Lion Company Hopes to Eliminate Troublesome Salt Water.  
El Dorado—Completion of the fourth producer in the new deep sand 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 5,826 feet. Salt water developed and the bottom of the hole from 5,822 to 5,826 feet was cemented off. Then the casing was perforated a second time and the well tested 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 wells drilling at depths varying from 2,000 to below 5,200 feet. Four are waiting for surface casing to set, or are setting surface casing, and three are rigging up and expected to start drilling operations soon.

# Morgan B-1 Completed For Producer Gazette

6-30-37  
Special to the Gazette.  
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 connections 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 today 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 supplement 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 several 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 corner of the southeast quarter of the northeast quarter of section 1-19-18.

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Lion Company officials announced that the well would be good for 8,200 barrels daily, flowing wide open through two and one-half inch tubing. The gas production was estimated from 15 to 20 million cubic feet per day.  
There is no salt water along with the oil and gas production as in the two previous tests made on the well. Flowing through one-quarter inch choke on the tubing, the well showed 33 barrels an hour and four million cubic feet of gas. Through a half-inch choke the production was 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 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 barrels daily.

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The test made yesterday was the third to be made on the well. The test was made from 5,731 to 5,738 feet, after the well had been cemented back and a plug installed, following salt water trouble in two tests of a lower section of sand from 5,797 feet to 5,826 feet.

The new producer is to the southeast of the discovery well.

## Seven Permits For Oil Wells Get Approval

Democrat 5-24-37

### Five Companies Sinking Deep Tests in New Sand in Shuler Area.

El Dorado — Seven permits for drilling of new oil wells in Arkansas were issued during the past week by the Arkansas Board of Conservation.

All but two of the new permits were for tests in the new deep sand field at Shuler, southwest of El Dorado, and actual work is under way on these wells. One of the permits was for a test in Columbia county and the other for a well in Howard county.

There was one permit to plug and abandon a test and another permit to plug back and perforate. The permits for new tests follows:

Lion Oil Refining Company, M. D. Justiss A-1 in the northeast of the northwest of the northeast of section 19-18-17, Union county.

Phillips Petroleum Company, Ed Gan No. 2 in the southeast of the northeast of section 18-18-17, Union county.

Edwin M. Jones, Murphy Land Company, B-1, in the southwest of the south half of the west half of the southeast of the northeast of section 13-18-18, Union county.

Edwin M. Jones, Katherine Gallagher No. 1, in the northeast of lot 4 in the northwest quarter of section 19-18-17, Union county.

Edwin M. Jones, Marine Oil Company, in the northwest of the southwest of the southeast of section 17-18-17, Union county.

Robert Keen et al Runyan No. 1, in the northwest of the southeast of the northeast of section 1-16-21, Columbia county.

Boettcher Oil Company, Ada, Okla., State Life Insurance Company, No. 1, in the east of the northwest of section 28-11-27, Howard county.

The Benedum Trees Oil Company obtained a permit to plug back and perforate at 2186 feet on the Grove Land and Timber Company No. 1 in the north half of the southeast quarter of the northwest quarter of section 10-14-20, Nevada county.

E. H. Moore obtained a permit to plug and abandon his Porterfield, No. 1, in Hempstead county.