

Well Officials Are Optimistic

First Deep Sand Pro- ducer in Smackover Field Seen.

El Dorado (P)—Completion of testing is expected to require two or three more days at the J. D. Reynolds No. 1 well of the Phillips Petroleum Company, with operators reporting favorable indications for the first deep sand producer in the Snow Hill area of the Smackover field. The well is located in section 27-15-15.

Except for two short periods, the well has been closed in since Sunday morning and probably will remain closed until crews have completed arrangements for taking care of possible production. A separator was erected yesterday with company officials announcing plans to place tanks at the location.

A good showing of gas and distillate was reported at the test. It was allowed to flow for about four hours and showed a spray of distillate along with a good amount of gas. No estimate was made on the amount of gas or distillate the well made. Pressure on the casing climbed to above 1,800 pounds, standing at 1,825 after a steady rise.

Tanks Being Built.

Camden—When the Phillips Petroleum Company deep test at Snow Hill, Ouachita county, was opened up Monday it was gauged at between 500 and 600 barrels of distillate and 60,000,000 cubic feet of gas per day, according to J. D. Reynolds, local oil operator, who owns a large acreage in the Snow Hill sector. Mr. Reynolds talked to an official at the well and was advised of this check.

The valves were shut down and will not be opened until tanks are completed. Construction of tanks was started Monday and several tanks will be built to hold the distillate. A one-sixteenth inch choke will be used when the well is opened, Mr. Reynolds said.

"We are going to save this field. We will not waste the oil and gas this time," Mr. Reynolds said. He is a member of the Arkansas Conservation Board.

The distillate is about three times as valuable as crude oil but the same price is paid for it, Mr. Reynolds said. However, he plans to build tanks near the well and put his eighth interest of the fluid in these tanks rather than sell it at crude oil prices.

The tanks will be completed by Wednesday, Mr. Reynolds said.

New drilling activity in Ouachita county is assured following the good oil and gas showing of the Reynolds well.

Deep Test Completed For Producer

Special to the Gazette.

El Dorado, April 22.—The J. D. Reynolds No. 1 deep test of the Phillips Petroleum Company in the Snow Hill area of the Smackover field was completed this afternoon for a producer estimated at from several hundred to 1,000 barrels of high gravity oil and 50,000,000 to 60,000,000 cubic feet of gas daily.

The well was opened shortly after noon today and allowed to flow through a quarter-inch choke. The well flowed gas and fluid for about an hour, and the choke was opened to a half-inch as the well cleaned itself out and began to flow distillate (high gravity oil) and continued its high flow of gas.

Officials of the company would not estimate the production, but oil men at the well estimated the gas flow at from fifty to sixty million cubic feet daily and the oil flow at from several hundred to 1,000 barrels a day.

A more accurate estimate of the flow of oil cannot be made until the flow of fluid other than oil ceases. The production is flowing through a separator into a 310-barrel tank erected near the well.

Oil Men Jubilant.

The oil fraternity of southern Arkansas was jubilant over completion of the well for a good producer, and considerable activity is expected to develop in the area.

Ben G. Barnett is drilling a well in Calhoun county, about five miles southeast of the Phillips test. It is the Freeman Smith Lumber Company No. 7. Surface casing was set in the well last week and drilling is now below surface casing. The well is scheduled for 000 feet.

Although no definite announcement has been made, reports have been heard that several additional wells will be drilled in the area of the new producer, and it has been said that old producers in the Smackover field would be deepened to the new project.

The Phillips well is located in section 27-15-15 in the southeastern tip of Ouachita county in the "Cooterneck" section formed by the junction of the Ouachita river and Smackover creek. The well was completed from a depth of 4,904 feet. A 12-foot sand was encountered in an oolitic lime formation of Permian age believed to be similar to the formation in the Rodessa field of north Louisiana.

However, the formation was encountered several hundred feet higher than was encountered in the Hayes deep test well of the Lion Oil Refining Company south of the Phillips test which was abandoned in rock salt at 7,225 feet five years ago.

Casing was set in the well two weeks ago and plug drilled last Saturday. After swabbing was started the well began to show a gas pressure and valves were closed. The well was opened for a short time Saturday and again Monday, making considerable gas and spraying of distillate.

Deep Sand Producer At Snow Hill

Special to the Gazette.

El Dorado, April 25.—Deep sand production in the Smackover field, long a dream of residents of South Arkansas, became a reality this week when the J. R. Reynolds No. 1 well of the Phillips Petroleum Company in the Snow Hill area of the Smackover field was completed for a big gas producer and an oil producer of from 300 to 1,000 barrels daily of high gravity oil.

The long awaited event was slow in materializing due to the thorough method in which the Phillips company handled the well. Though there was more excitement over the outcome of the test than any other well in South Arkansas since the Bussey was completed 15 years ago, there was none of the ballyhoo and promotion talk by those interested in the well that generally accompanies a new wildcat endeavor.

From the start of the operations on the test, officials of the Phillips company seemed sure of what they were doing. More than \$25,000 was spent in rigging up for the test. A 122-foot steel derrick was constructed on a concrete foundation and the heaviest of equipment was installed with the first all-electric rig in South Arkansas being used.

Interest of South Arkansas oil men centered in the test from the start.

Oolitic Lime Encountered.

Three weeks ago at a depth of 4,904 feet a 12-foot oil sand was encountered in an oolitic lime formation similar to the lime formation from which big producers are being obtained in the Rodessa field of North Louisiana. A drill stem test of the formation was unsuccessful because the packer failed to hold and operators decided to set casing.

The hole was reamed out to 12 inches and casing set about two weeks ago. Perfection of titles delayed final testing of the well until a week ago when the plug was drilled Saturday.

After the plug was drilled and bailing started the well began to show a strong gas pressure and began flowing. The well was placed under a choke and was allowed to flow a short time. Saturday afternoon the well made a strong gas showing and a spray of distillate.

The well then was closed down and not allowed to flow again until Monday when it was opened for several hours. The gas pressure increased and more distillate was shown.

A test was made of the distillate and it tested from 71 to 73 gravity and as low as 60 gravity.

Testing was completed Wednesday when the well was allowed to clean itself out after a separator and tanks had been installed to store the production of the well.

The well flowed through a quarter-inch choke for several hours and then was opened to a half inch. Its production at that time was estimated at from 40,000,000 to 60,000,000 cubic feet of gas daily and from 300 to 1,000 barrels of high gravity oil daily.

Thursday the well was allowed to flow through the two and a half inch tubing and the production remained about the same. A pressure of 275 pounds was registered on the tubing and pressure on the casing was gauged at 1,400 pounds.

In addition to causing unusual excitement in El Dorado, the well has caused considerable excitement in Camden and Smackover, and reports have been received here of considerable lease trading in the area of the well.

Other Wells Planned.

Though no official announcements have been made reports have been heard that the Phillips company soon will start drilling operations on an offset. The Phillips is reported to have a block of 8,000 acres in the vicinity of the well. Several other tests are expected to be started soon.

miles north of the Hayes deep test well drilled by the Lion Oil Refining Company several years ago which was abandoned in rock salt at 7,225 feet after drilling 1,300 feet through the formation without penetrating the salt dome.

The Phillips test encountered the lime formation more than 300 feet higher than it was logged in the Lion test.

The Phillips well is near the Ouachita river in the "Cooterneck" section of Ouachita county formed by the junction of Smackover creek with the river. The exact location of the test is 330 feet north and 330 feet west of the southeast corner of the southwest quarter of the northwest quarter of section 27-15-15 in Ouachita county.

In addition to activity in Union and Ouachita counties an unusual amount of lease trading has been reported in Calhoun county across the river from the deep well. Considerable acreage is reported to have been blocked in Calhoun county east and north of the deep test.

One well already is under way in Calhoun county. It is the Freeman Smith No. 1 test of Ben G. Barnett. The test is located in the northwest quarter of the southwest quarter of section 36-15-14, about five miles southeast of the Phillips test.

Operators are drilling below surface casing on the test which is reported scheduled for a 6,000-foot test.

In the northwest part of Union county in the Lisbon area Wingfield & McCurry are drilling below 3,100 feet on their A. E. Slaughter No. 1 330 feet north and 330 feet west of the southeast corner of the southeast quarter of section 9-17-16 in the heart of production in the old Lisbon field. The well is scheduled for a 4,500-foot test.

Rainbow City Operations.

Operations are still continuing in the Rainbow City field east of El Dorado where one well is being drilled below 2,500 feet and derrick is being erected for another.

The Pumphrey No. 1 of the Burhal Oil Corporation is now drilling below 2,500 feet. The test is located in the southeast corner of the northeast quarter of section 11-17-14 west of deep production of Crosbie and Robinson and the Ohio Oil Company in section 12-17-14.

In section 12-17-14 Crosbie & Robinson are erecting derrick for their Sullivant No. 5. The test is to be located in the southeast quarter of the southeast quarter of the northwest quarter of section 12-17-14.

Permit was issued this week for a new wildcat test in Ouachita county near Eagle Mills, north of Camden. The test will be the Simon Howard No. 1 of O. F. Whitaker, trustee, in the northwest quarter of the northeast quarter of section 20-12-16.

The Phillips well is the first deep

test to be drilled in Ouachita county and the fourth deep well in this section. The deep well of the Lion Oil Company was the first to be drilled. It was located in section 5-16-16 near Hayes City in Union county.

The second deep well was drilled by H. L. Hunt in section 11-17-14 in the Rainbow City area east of El Dorado. It was taken to a depth of 6,900 feet and abandoned after a showing of oil was obtained but failed to make a producer.

The third deep test was the Louis Werner Sawmill Company No. 1 test of the Gulf Refining Company in the Griffin area of the Smackover field. It was the deepest test yet drilled in Arkansas, and was abandoned as a dry hole when no showing was obtained after being drilled below 8,000 feet.

Phillips Company to Deepen Snow Hill Well

El Dorado (P)—Phillips Petroleum Company officials announced plans to deepen the J. D. Reynolds No. 1 test near Snow Hill after the flow of gas and distillate was stopped as mud choked the drill stem.

The well located in section 27-15-15 is the deepest in south Arkansas to produce gas and the only one in the section to produce distillate, or high gravity oil.

Leak in Snow Hill Well Delays Completing Test

El Dorado (P)—Attaches of the Phillips Petroleum Company awaited arrival of new connections from the Rodessa field in Louisiana today before completion of testing of the Snow Hill area deep well, in section 27-15-15.

A reported leak in the well forced its closure while a hurry call was sent for new and stronger connections. Previous to the closing it was allowed to flow for several hours with a considerable showing of gas reported, along with the flow of water during the cleaning process.

A large amount of water pumped into the hole during the washing-in process Saturday afternoon still remained in the well.

Deep Test.

El Dorado, Ark., April 30 (P).—A second oil saturated core was taken from the J. R. Reynolds deep test well this afternoon from a depth of 4,916 to 4,921 feet. Phillips Petroleum Company, operators in charge of deepening the well, reported similar favorable conditions following a first core during the morning. Further cores will be taken tomorrow. The test is located in Section 27-15-15 of the Snow Hill area in the Smackover field. An earlier flow of gas and distillate was killed.

Deep Sand Well May Be Brought In Tomorrow.

El Dorado, Ark., May 1 (P).—Preparations are expected to be completed tomorrow for testing of the Phillips Petroleum Company's J. D. Reynolds No. 1 deep test in the Snow Hill area of the Smackover field. Indications were reported for bringing in a deep sand producer Sunday or Monday.

The crew was reaming down tonight preliminary to the test. Additional cores taken today continued to show heavy oil saturation at about 4,930 feet. Orders for storage tanks have been placed in the expectation of production.

New locations are expected in the field if the Reynolds well in section 27-15-15 proves a good producer. The Phillips Company leased large office space here. Announcements were made of independent operators locating headquarters here also with brisk activity forecast.

Deep Sand Production Assured

El Dorado, Ark., May 2 (P).—Deep sand production in South Arkansas became a reality tonight when the Phillips Petroleum Company announced its J. D. Reynolds No. 1, in Section 27-15-15, near Snow Hill, gauged 22 barrels of high gravity oil in one hour flow through a less than one-half inch choke.

The well also gauged 11,000,000 cubic feet of gas. Company officials had not made a definite determination of the oil but estimated it at 51-gravity, highest in this section.

The well was brought in from a 28-foot limestone formation at the 4,925-foot level. The gauge indicates a flow of from 475 to 500 barrels a day. There was some discussion whether the well would increase the flow when it cleans itself and the choke is opened. Oil was being diverted into storage tanks tonight and the gas burned.

The flow was running about 10 per cent water during the hour the well was on the gauge. Drillers said that it would be tomorrow or Monday, before the well cleans itself of mud and water.

Oil men, who watched the well during the night, said proof that the test was a producer assured the section, hitherto undeveloped, of considerable drilling activity.

Brisk Trading in Leases In South Arkansas.

Special to the Gazette.

El Dorado, May 2.—Although operations on the J. D. Reynolds No. 1 deep test of the Phillips Petroleum Company in section 27-15-15 in the Snow Hill area of the Smackover field, in Ouachita county, continue to be the center of interest of the oil fraternity in South Arkansas, activities also are being continued in other sections.

Good progress is being made on an outside test in the Rainbow field east of El Dorado, and interest is being shown in a deep test northwest of El Dorado in the Lisbon area of Union county.

In Calhoun county northeast of Calion another deep test is well under way.

Northeast of El Dorado, near Sloan's park, in Union county, work has been

resumed on a 5,000-foot test after derrick was skidded over to a new location when difficulties developed that forced operators to abandon the original hold. Lease trading in Union county centers along Smackover creek from Smackover to the river and along the river to Calion. Good prices also have been obtained for leases in this county.

Rush in Calhoun County.

In Calhoun county lease activity has caused a rush at the courthouse with good prices reported received for leases. Lease trading in Calhoun county is reported to cover an area from south of Calion along the river to several miles above Miller's Bluff and back as far as four miles from the river.

Prices of \$1,000 an acre for leases in Ouachita county are reported to have been paid this week. The Lion Oil Company is reported to have paid \$39,000 and a similar amount in oil for an 80-acre lease in the southeast quarter of the northeast quarter of section 28-15-15, and in the southwest quarter

of the southwest quarter of section 28-15-15. The Delta Drilling Company reported to have paid \$17,500 in oil for a 35-acre lease in the southwest quarter of the northeast quarter of section 22-15-15. More than 50 oil and gas leases and assignments involving land in Ouachita county near the Phillips well are reported to have been filed at the courthouse at Camden.

More than 200 instruments, including oil and gas leases, assignments, warranty deeds for oil, gas and mineral royalties, have been filed for record in Union county in the past two weeks. The larger portion of the instruments concern land in the Smackover area near the new deep well, but many leases were recorded for land near Strong, southwest of El Dorado, in the Rainbow City field east of El Dorado, the Lisbon area northwest of El Dorado and in the western part of the county. No such high prices as those obtained for Ouachita county leases were recorded here.

New Tests Planned.

It is reported that many tests in the new deep production area will be started as soon as complete testing of the Phillips well is finished. The Lion company is expected to drill on its new lease holdings as is the Delta company.

The Standard Oil Company is expected to make location for a deep test on its holdings in the northwest quarter of the southwest quarter of section 27-15-15, as is E. M. Jones on his holdings in section 21-15-15. It is reported that the Phillips company will drill another deep test on a block centering around section 28-16-12.

In Calhoun county Ben G. Barnett is drilling ahead on his Freeman Smith Lumber Company deep test, four miles east of the mouth of Smackover creek. The test is located 132 feet east and 145 north of the southwest corner of the northeast quarter of the southwest quarter of section 36-15-14. It will be a 6,000-foot well.

J. C. Buckbee abandoned a hole on his Harry Ezell No. 1 proposed deep test well in the Sloan park area northeast of El Dorado in Union county and skidded derrick to a new location for a proposed 5,000-foot well. The new location is 390 feet north and 330 feet east of the southwest corner of the northeast quarter of the northwest quarter of section 13-17-15 in Union county.

In the Lisbon area of Union county northwest of El Dorado, McCurry & Wingfield temporarily are closed down on their A. E. Slaughter No. 1 deep test, 330 feet north and 330 feet west of the southeast corner of the southeast quarter of the southeast quarter of section 9-17-16 at a depth of 3,200 feet. The well is scheduled for a depth of 4,500 feet.

Operators are coring around 3,350 feet in the Pumphrey No. 1 of the Burhal Oil Corporation, an outside test in the Rainbow field. The well is located 360 feet north and 280 feet west of the southeast corner of the northeast quarter of the northeast quarter of section 11-17-14. The well is about a quarter of a mile from production in that area, being west of the Ohio production and northwest of the Crosbie wells in section 12-17-14.

Permit was issued Thursday for a new

test to be drilled by J. E. Crosbie in the Rainbow field. It will be the M. J. Sullivant No. 5, 390 feet north and 341 feet west of the southeast corner of the southeast quarter of the northwest quarter of section 12-17-14. Work on the test is expected to be started soon.

Seven permits to drill were issued by the state Conservation Department and one permit to plug and perforate to the Nacatosh sand were issued during the week. Logs of three wells were also filed.

Frank F. Silver obtained a permit to drill the Joseph Chambers estate No. 1, 300 feet north and 280 feet east of the southwest corner of the northeast quarter of the northwest quarter of section 17-2-7, in Lonoke county. The Ozark Natural Gas Company obtained a permit for the Barton & McDonald No. 1, 600 feet north and 590 feet east of the southwest corner of the northwest quarter of the southeast quarter of section 12-8-29, in Franklin county. Ben G. Barnett obtained a permit for the Freeman Smith Lumber Company No. 1, 132 feet east and 145 feet north of the southwest corner of the northeast quarter of the southwest quarter of section 36-15-14, in Calhoun county. O. F. Whitaker, trustee, obtained a permit for the Simon Howard No. 1, 600 feet east and 150 feet north of the southwest corner of the northwest quarter of the northeast quarter of section 20-12-16, in Ouachita county. The Petroleum Reclamation Company ob-

tained a permit for the M. E. Wilson No. 1, 330 feet north and 150 feet east of the southwest corner of the southwest quarter of the northeast quarter of section 17-17-18, in Columbia county. J. C. Bucbee, trustee, obtained a permit to change location and skid derrick over on the Harry Ezell No. 1, 390 feet north and 380 feet east of the southwest corner of the northeast quarter of the northwest quarter of section 13-17-15, in Union county. J. E. Crosbie Inc. obtained a permit for the M. W. Sullivant No. 5, 390 feet north and 341 feet west of the southeast corner of the southeast quarter of the northwest quarter of section 12-17-14, in Union county.

L. L. Sugar obtained a permit to plug and perforate to the Nacatosh sand in his Berg No. 1, 200 feet south and 300

feet west of the southeast corner of the southwest quarter of section 32-15-15, in Ouachita county.

The Harvey Drilling Company filed the log of the P. M. Allen No. 2, 420 feet north of the south line and 350 feet west of the center line of section 18-19-24, in Lafayette county. The Ohio Oil Company filed the log of the Riley Furlow No. 4, 1,056 feet north and 265 feet east of the center of section 12-17-14, in Union county. The Harvey Drilling Company filed the log of the P. M. Allen No. 1, 1,034 feet south and 320 feet west of the southeast corner line of the southwest quarter of section 18-19-24, in Lafayette county.

Reynolds Well Is Gauged at 500 Barrels

Snow Hill Hole Hailed as Arkansas's First Deep Producer.

El Dorado—Gauged for the first time and for one hour, late Saturday night, the Reynolds No. 1 of the Phillips Petroleum Company, deep test in the Snow Hill area, was found to be making at the rate of between 400 and 500 barrels of high gravity oil and 11 million feet of gas.

A separator was in use and the oil was being tanked and the gas burned. Later it is planned to conserve the gas.

While the well is not producing as much as was hoped, it is regarded as a bona fide producer. Arkansas's first deep well. Also the well, it is said, had not had time to clear itself fully and was being allowed to flow only through a quarter-inch choke. In the one hour it was gauged, it made 22 barrels of oil.

Testing of the well was started for the second time after cores showing heavy saturation of oil were taken in a lime formation. Total depth of the well is now 4,925 feet. The well is 28 feet in the lime formation.

Will Limit Drilling In Deep Sand

El Dorado, Ark., May 4 (P).—The state Conservation Board in session here today ruled that only one well to each 20 acres may be drilled in the new deep sand of the Snow Hill area of the Smackover field in Ouachita county. Production of each well will be limited to 1,000 barrels a day.

Two additional companies announced plans for immediate drilling in the vicinity of the Phillips Petroleum Company's J. D. Reynolds No. 1. The Standard Oil and Lion Oil Refining companies announced locations in Section 27-15-15, the same in which the new producer was brought in. The Phillips Petroleum well was closed in today awaiting arrival of a high-pressure separator.

Chief Conservation Agent C. E. Harris said that provisions had been made to provide exceptions pending completion, and that where a well is drilled on a tract of land less than 20 acres, production will be limited on a proportionate basis.

The regulations, he said, also provides for the amount of surface casing to be set, the amount of cement to be used in setting casing and safety measures to be used on wells to protect the sand.

Adoption of rules followed an opening meeting of the board with expert testimony given by representatives of major oil companies.

Deep Well Core Shows Much Oil

El Dorado (P)—The Phillips Petroleum Company cored an oil sand today in the J. D. Reynolds No. 1 deep test in section 27-15-15, near Snow Hill.

A five-foot core was taken and watchers reported it was "dripping with oil." Another seven-foot core was to be taken this afternoon. The well is now at the 4,921-foot level.

An earlier flow of gas and distillate was killed.

Drilling Permits Issued For Five Test Wells.

Special to the Gazette.

El Dorado, May 15.—Permits for five new wells in South Arkansas were issued today by the state Conservation Department with headquarters here. Three permits are for tests in the new deep sand area near Snow Hill, one for a wildcat in the southern part of Bradley county and the fifth for a test in Lafayette county. A test is being drilled in Miller county for which a permit has not been obtained.

Two of the new tests in the Snow Hill area are in Ouachita county and one in Calhoun county.

The Standard Oil Company is reported to have started work on its J. D. Reynolds B 3,660 feet north and 330 feet west of the southeast corner of the northwest quarter of the southwest quarter of section 27-15-15, Ouachita county.

The Phillips Petroleum Company is expected to start work soon on its E. Gette No. 1, 660 feet south of the north line and 330 feet west of the east line of the north half of the southeast quarter of section 28-15-15. Ouachita county. Across the river in Calhoun county, Proetz & Brown have spudded in on their Calion Lumber Company No. 1, 610 feet east and 300 feet north of the southwest corner of the southeast quarter of the southwest quarter of section 22-15-15.

In the southern end of Bradley county, near Moro Bay, the Phillips company is expected to start operations soon on the C. H. Murphy No. 1 wildcat test. The test is located 600 feet from the north and west line of the northwest quarter of section 12-17-11. The well is in wildcat territory.

With beginning of operations in that sector of Calhoun county, the old ferry at Miller's Bluff, which has been closed for several months, is reported to be operating again with considerable traffic being handled across the river from the Ouachita county side.

A. M. Neeley obtained a permit for a test well in Lafayette county. It will be the Meek No. 1, 330 feet south and 330 feet west of the northeast corner of the northeast quarter of the northwest quarter of section 35-19-25. Information could not be obtained here as to when operations on the test would be started.

In Miller county the King Oil Corporation has started drilling operations on the Mann No. 1 in the northwest corner of the northwest quarter of the southeast quarter of section 2-16-26.

J. C. Buckbee, trustee, this morning made a drill stem test on the Harry Ezell No. 1 well northeast of El Dorado, but the seat failed to hold and another test will be made. The test was made at a depth of 3,900 feet. The well is located in the northeast quarter of the northwest quarter of section 13-17-15, and is scheduled for a depth of 4,500 feet.

Much Drilling Activity Under Way in South Arkansas.

Special to the Gazette.

El Dorado, May 16.—Drilling activities in scattered sections of South Arkansas this week shared with the new Snow Hill deep area interest of the oil fraternity.

Activities again are under way in the Snow Hill area with issuance of a permit to the Standard Oil Company for a new test in the vicinity of the discovery well and announcement by several other companies that tests will be started soon.

The new permit was for the drilling of the J. D. Reynolds B-3 which is to be 660 feet north and 330 feet west of

the southeast corner of the northwest quarter of the southwest quarter of section 27-15-15. Drilling operations on the new test are expected to get under way soon.

Officials of the Phillips Petroleum Company, drillers of the discovery J. D. Reynolds No. 1 well in the southeast corner of the southeast quarter of the northwest quarter of section 27-15-15, announced the well as a completion as a gasser estimated good for up to 100,000 cubic feet of gas daily. The well also is producing a high gravity oil in small quantities, and the flow is expected to increase.

Off-Set to Be Drilled.

The Phillips company will start work soon on an off-set test to the discovery well. Exact date of the start of the test has not been announced. The electric rig used on the discovery well will be used on the off-set.

The Lion Oil Refining Company has announced that a test will be drilled in the southeast quarter of the northeast quarter of section 28-15-15, but no announcement was made as to when the test would be started. Reports have been heard that the Phillips company has made locations for two additional tests in section 27-15-15. They are the Mary Murff No. 1 in the center of the northeast half of the northeast quarter of the northeast quarter of the section and the Mary Murff No. 2 in the center of the north half of the northeast quarter of the northeast quarter of the same section.

Other locations are expected to be announced soon by Eddie Jones and the Delta Drilling Company, who have large holdings in the new deep sand area.

Lafayette County.

Possibility of Permian lime formation (from which the Phillips Snow Hill well is producing) production in Lafayette county looms as a possibility in the Bodcaw test of Erwin & Leach, 330 feet south and 330 feet east of the northwest corner of section 20-16-13. The well is coring at 7,400 feet and operators expect to pick up the Permian lime formation between 7,400 and 7,500 feet.

In the same county Joe Modisett is coring in at 5,800 feet on his Frost No. 1 in the center of the southwest quarter of the southwest quarter of section 21-19-24. It is a test to the Rodessa pay.

The Phillips company announced that a new wildcat test will be drilled in the southern part of Bradley county, near Moro bay on the Ouachita river. Exact location of the test has not been announced, pending completion of surveys by engineers.

Reports were received here this week that Brown and associates are preparing to move a rig across the river from Snow Hill area in Calhoun county for a test in section 22-15-15. Exact location of the proposed test has not been announced.

Progress of Deep Test.

In addition to the activities in the deep test area of Ouachita county, another deep test is making satisfactory progress in Calhoun county, about three miles east of the mouth of Smackover creek. The test is the Freeman Smith Lumber Company No. 1 of Ben G. Barnett, in the southwest corner of the northeast quarter of the southwest quarter of section 26-15-14. Operators are coring for the Nacatosh sand at 2,200 feet. The well is scheduled for a depth of 6,000 feet.

Northeast of El Dorado J. C. Buckbee, trustee, is drilling at 3,500 feet on his Harry Ezell No. 1 well in the southwest quarter of the northeast quarter of the northwest quarter of section 13-17-15. Location of the test was altered slightly when operators encountered difficulties in the well after it had been drilled down several thousand feet and the hole was abandoned and the derrick skidded to a new location.

In the Lisbon area of Union county, northwest of El Dorado, Wingfield & McCurry still are temporarily shut down at 3,200 feet on their deep test well in the southeast quarter of the southeast quarter of the southeast quarter of section 9-17-16.

New Gas Well.

The Root Refining Company has com-

pleted a small gas well in its White No. 1, section 36-17-15, east of El Dorado. The well is making about 250,000 cubic feet of gas daily from the Nacatosh sand. The Root completed a similar well two months ago and gas from both wells is piped to its refinery east of El Dorado, to be used in operation of the plant.

In the Rainbow field east of El Dorado activities again are under way, after several weeks' inactivity. Two new tests have been started in the area, two old tests are being revived and another test is in an oil sand.

The Burharal Oil Company obtained oil and gas showings in the three drill stem tests at a depth of 3,338 feet in its Pumphrey No. 1 test in northeast quarter of the northeast quarter of section 11-17-14, but the showing was not sufficient to make a commercial producer, and operators temporarily have shut down preparatory to drilling deeper.

Crosbie & Robinson have set casing for testing their M. W. Sullivant No. 5 test, in the southeast corner of the southeast quarter of the northwest quarter of section 12-17-14.

Kinnebrew & Simpson spudded in their Adams No. 1 test in the southwest corner of the northeast quarter of the northeast quarter of section 12-17-14.

George W. James is recementing casing on his Vessor No. 2 test in section 12-17-14, and will perforate in the Sullivant sand at 3,200 feet. The test was drilled below 3,400 feet in search of a deeper sand.

The Ohio Oil Company has pulled liner on the Furlow No. 2 well in section 12-17-14, and will recement casing and perforate in the Sullivant sand in search for production at that depth.

The Kel-Mac Company is drilling below 2,000 feet on the Ray Owens No. 2 test in the northwest quarter of the southwest quarter of section 26-10-16 in Dallas county near Holly Springs.

Satisfactory progress is being made on a wildcat test being drilled in Columbia county near the Union county line, by the Petroleum Reclamation Company. The well is the Buckbee test, in the southwest quarter of the southwest quarter of the northeast quarter of section 17-18-18. The test is now drilling below 2,000 feet.

Coring operations are under way on two deep tests in Lafayette county, one of which bids fair to become one of the deepest tests drilled in Arkansas.

Few Permits Issued.

One permit to drill and one to plug and abandon were issued by the Conservation Commission this week, and log of one well was filed.

The Kel-Mac Lease and Royalty Company of Beaumont, Tex., obtained permit for the Ray Owen No. 2, 300 feet south and 300 feet east of the northwest corner of the northwest quarter of the southwest quarter of section 26-10-16, Dallas county. The Burharal Oil Corporation obtained permit to plug

and abandon the Pumphrey No. 1, 360 feet north and 280 feet west of the southeast corner of the northeast quarter of the northeast quarter of section 11-17-14, Union county. The Marine Oil Company filed log of the Thompson A-9, 330 feet south and 330 feet east of the northwest corner of the southwest quarter of the northeast quarter of section 10-18-13 in Union county.

Another Good Oil Well In Rainbow City

May 19, 1936

Special to the Gazette.

El Dorado, May 18.—The Rainbow City field northeast of El Dorado came back into the spotlight today with completion of the Sullivant No. 5 of Crosbie & Robinson, in section 12-17-14 as a good producer.

Flowing through tubing the well is making 600 barrels a day. Completed, from what was reported to have been the best looking sand on the lease, it is believed that the well would be good for 1,000 or more barrels daily if a packer had been set. The owners are expected to continue with their drilling program in that area.

In the same section Kinnebrew & Simpson are drilling around 2,800 feet on the Adams No. 1, and the Ohio Oil Company is planning to perforate in the Furlow No. 2 at the Sullivant sand depth.

Southwest of Junction City, in Union parish, Louisiana, John Houseman and associates are reported planning to continue drilling on their deep test well in the southeast quarter of section 10-23-4, which was shut down several months ago at 4,500 feet. Operators are reported planning to deepen the hole to the Phillips lime formation at 4,900 feet or the Rodessa sand at a deeper level.

Much Drilling In Smackover Field

May 20, 1936

Special to the Gazette.

El Dorado, May 19.—An active drilling campaign is under way in the new deep sand area of the Smackover field in Ouachita and Calhoun counties near Snow Hill and Millers Bluff with surface casing set on one well and preparations being made for work on five others.

Two permits were issued today by the state Conservation Department and locations have been made for two more tests. Nine permits have been issued the last five days.

The new permits, according to C. E. Harris, chief conservation agent, were for the J. T. Arnold No. 1 in the northeast quarter of the southwest quarter of section 27-15-15 and for the Amanda Cheatham No. 1 in the southwest quarter of the northeast quarter of section 27-15-15 both in Ouachita county.

The Standard Oil Company has started operations on its J. D. Reynolds B-3 in the northwest quarter of the southwest quarter of section 27-15-15 and set 13-inch surface casing at 630 feet Tuesday morning.

Proetz and Brown are building derrick and moving rig for their Calion Lumber Company No. 1 across the river from Millers Bluff in Calhoun county and drilling is expected to be started in a few days. The well is located in the southeast quarter of the southwest quarter of section 22-15-15.

The Phillips Company is moving the electric rig used to drill the wildcat test in Bradley county. The new well is the C. H. Murphy No. 1 in the northwest quarter of section 12-17-11. It will be drilled by Carl B. King, driller of the discovery well.

The Phillips Company is building derricks and moving rigs for the E. Gette well in the north half of the southeast quarter of section 28-15-15 and the J. T. Arnold No. 1 in the northeast quarter of the southwest quarter of section 27-15-15. Both wells will be drilled by the J. I. Roberts Drilling Company and are expected to be spudded in a few days.

It has been announced that the Phillips Company will also drill another well in the new area, although no permit has been issued. The well will be the Harris No. 1 and will be located in the east half of the southwest quarter of the northwest quarter of section 28-15-15 and will be drilled by Carl B. King.

The Liberty Oil Company also is reported to have made location for a test, although no permit has been issued. The well will be the Hildebrand No. 1 in the east half of the southeast quarter of the southeast quarter of section

28-15-15 and will be drilled by John Pugh.

The Lion Oil Refining Company is clearing roads and building derrick for the Berg and Reynolds No. 1 in the southeast quarter of the southeast quarter of the northeast quarter of section 28-15-15 and the Phillips Company is building derrick for the Amanda Cheatham No. 1 test in the southwest quarter of the northeast quarter of section 27-15-15.

Another Boom Expected Near El Dorado

Special to the Gazette.

El Dorado, May 23.—Drilling activities resembling boom days of 14 years ago

are expected soon in the new deep sand area of the Smackover field in Ouachita county at Snow Hill and across the river in Calhoun county, following the issuance of seven new permits for drilling and announcement of and eighth location in the new area.

In addition, permits have been issued for a wildcat test in the southern end of Bradley county and tests in Miller and Lafayette counties.

Four of the new drilling permits in the Snow Hill area were issued to the Phillips Petroleum Company, driller of the discovery Reynolds well in section 27-15-15, and one each to the Standard Oil Company of Louisiana, the Lion Oil Refining Company and Proetz & Brown, independent operators. Surface casing has been set on one of the new tests and rigging-up operations are well under way on the others.

The Standard Oil Company has set 13-inch surface casing at 603 feet on its J. D. Reynolds B-3, 660 feet north and 300 feet west in the southeast corner of the northwest quarter of the southwest quarter of section 27-15-15, in Ouachita county, and is expected to resume drilling operations in a short time.

The Lion Oil Refining Company is clearing roads and building derrick on the location for its Berg & Reynolds well, 534 feet north and 330 feet west of the southeast corner of the southeast quarter of the northeast quarter of section 28-15-15, in Ouachita county. Operations on the well are expected to be started next week.

Calhoun County Test.

Proetz & Brown are rigging up preparing to start drilling operations, on their Calion Lumber Company No. 1 well, 610 feet east and 300 feet north of the southwest corner of the southeast quarter of the southwest quarter of section 22-15-15, in Calhoun county. This test is across the river from the discovery well. The old ferry at Miller's bluff has been put in use again after being idle for several years, and considerable traffic is reported being handled.

The Phillips company is moving the electric rig used on the discovery well to the location of its new wildcat test in Bradley county. This rig will not be used in the new area because an abundance of gas for steam rigs can be supplied by the discovery well. The wildcat test in Bradley county is the C. H. Murphy No. 1, 660 feet east and 660 feet south of the northwest corner of the northwest quarter of section 12-17-11, southeast of Moro Bay. It will be drilled by Carl B. King, driller of the discovery well.

King also will drill the L. W. Harris test for the Phillips company in the Snow Hill area. The Harris test will be 660 feet south and 330 feet west of the northeast corner of the southwest quarter of the northeast quarter of section 28-15-15. Operations are expected to start next week.

The J. I. Roberts Drilling Company of Shreveport will drill two tests for the Phillips company in the Snow Hill area of Ouachita county. Derricks are being constructed and rigs are being installed. One of the tests is the E. Gette No. 1, 660 feet south and 330 feet west of the northeast corner of the north half of the southeast quarter of section 28-15-15. The other test is the J. T. Arnold No. 1, in the northeast quarter of the southwest quarter of section 27-15-15. Drilling operations on both tests

are expected to be started in a few days.

The Phillips also is making preparations for drilling operations on the Amanda Cheatham No. 1 in the southwest of the northeast quarter of section 27-15-15.

Announcement of location for a test in the Snow Hill area by the Liberty Oil Company has been made, but a permit has not been issued. The test will be the Hildebrand No. 1, and will be located in the east half of the southeast quarter of the southeast quarter of section 28-15-15 in Ouachita county. John Pugh will drill the test.

Drill Stem Stuck.

About five miles southeast of the Snow Hill area, in Calhoun county, operations have been halted temporarily on the Freeman Smith Lumber Company No. 1 well of Ben G. Barnett because the drill stem became jammed in the hole. Efforts are being made to re-

lease the pipe and it is expected that operations will be resumed in a short time.

The drill stem became stuck at a depth of 2,600 feet. The well is located in the southwest corner of the northeast quarter of the southwest quarter of section 26-15-14 and is scheduled for a depth of 6,000 feet.

New Rainbow City Well.

The Rainbow City field east of El Dorado came back into the spotlight this week with completion of a new producer that is flowing at the rate of 600 barrels a day. The new producer is the Sullivant No. 5 of Crosbie & Robinson, and is 393 feet north and 341 feet west of the southeast corner of the southeast quarter of the northwest quarter of section 12-17-14. Owners of the well are expected to continue their drilling program in the area.

In the same area that Kinnebrew & Simpson are drilling below 2,800 feet on their Adams No. 1, 350 feet north and 330 feet east of the southwest corner of the northeast quarter of the northeast quarter of section 12-17-14.

The Ohio Oil Company has pulled liner and is preparing to plug and perforate to a shallow sand in its Furlow No. 2 well in section 12-17-14, and George W. James is planning a similar program for the Vessor No. 2 test in the same section.

The Kel Mac Company is reported nearing the Nacatosh sand in its Ray Owens No. 2 well in the northwest quarter of the southwest quarter of section 26-10-16 in Dallas county, near Holly Springs.

In Ouachita county west of Eagle Mills Whitaker and associates are drilling at 1,000 feet on their Simon Howard No. 1 wildcat test in the northwest quarter of the northeast quarter of section 20-12-16. S. J. Carnes is reported to have set surface casing in his Robertson No. 1 wildcat test near Childer, in the center of the southwest quarter of the northeast quarter of section 7-12-19 in Ouachita county.

The Buckbee test of the Petroleum Reclamation Company in the southwest quarter of the southwest quarter of the northeast quarter of section 17-18-18 in Columbia county is drilling below 2,200 feet.

Northeast of El Dorado near Sloan's park, Buckbee, trustee, is drilling below 3,500 feet on his Harry Ezell No. 1 deep test in the southwest quarter of the northeast quarter of the northwest quarter of section 13-17-15 which is scheduled for a depth of 4,500 or 5,000 feet.

Miller County Test.

A. M. Neeley obtained a permit for the Meek No. 1 test in the northeast corner of the northeast quarter of the northwest quarter of section 35-19-25 in Lafayette county, and the Deep Rock Oil Company obtained a permit for the Williams No. 1 in the northwest corner of the southwest quarter of the northwest quarter of section 6-16-25 in Miller county.

The Lion Oil Refining Company obtained a permit to plug and perforate to the Nacatosh sand in its Brister No. 3, 725 feet south and 1,605 feet west of the northeast corner of section 28-15-15, in Ouachita county. Log was filed by Grigsby & Barnes for the William Burris No. 1 in the southwest corner of the northwest quarter of the northeast

quarter of section 19-15-19 in Ouachita county.

Permits to plug and abandon were issued to the Magnolia Petroleum Company for the Louann Shirey No. 2, in the northwest corner of the southeast quarter of the southeast quarter of section 30-15-16, in Ouachita county, and to the same company for the H. H. Slaughter No. 9 in the east half of the northwest quarter of the northeast quarter of section 9-17-16 in Union county.

In Lafayette county Erwin & Leach are coring at 7,530 feet on their Bodcaw No. 5 test in section 20-16-23 and Joe Modisett is drilling in lime formation at 5,852 feet in his Red River No. 1 in section 21-19-24.

Seven New Producing Wells In Rodessa Field.

May 1936

Special to the Gazette.

Shreveport, La., May 30.—The Rodessa pool of Caddo parish, whose present proven western limits now extends nearly seven miles over into Cass county, Texas, continued this week to set the pace for new production in this territory, with the 10-month-old field expected to add its 200th producing well next week. There were 14 new oilers completed this week which boosted the field total to 192. Forty-seven wells were drilling and 11 others were rigging up.

Two wells on the week's list of completions were on the Cass county side of the field, giving that area a total of 10 producers. American Liberty Oil Company added its Maxie No. 3, John Collum survey, flowing 26 barrels a hour on quarter inch tubing choke from 6,044 feet, and McIlvain & Beckett completed Maxie No. 1, John Collum survey, at 6,008 feet. It was waiting gauge by the Railroad Commission.

As the week closed there were five operations either testing or waiting on cement to set on this side of the field, and nine other wells drilling.

The first test to the colitic lime pay zone along the Rodessa fault in Marion county, Texas, three miles north of Jefferson and about 22 miles southwest of nearest production, was contracted this

& Hootkins of Shreveport in a 35-acre Lizzie Henderson lease in the R. Bennington survey. Contract calls for the spudding of the well in 30 days.

Interest in Wildcat.

Main interest in wildcat development this week in north Louisiana centered on testing operations under way at a deep test in the shallow Blanchard gas field of western Caddo parish around which a wave of leasing has resulted after a reported show of oil from a lime zone similar to Rodessa. The well is Belchie & Laskey's Wheeler A-1, Section 16-18-16, bottomed at 4,850 feet, where it was plugged back after being carried to 5,210 feet. The test is being made of 32 feet of porous formation revealed in a Schlumberger log from 4,817-49 feet.

With an analysis of the fluid from the wildcat showing an oil base, J. P. Evans, Shreveport independent, started moving in tanks and separator at his Crichton No. 1, Section 35-18-9, Webster parish, completed May 23 as an estimated 50,000,000 cubic foot wet gas-gasser to open a new producing structure, preparatory to making an oil test. The oil is believed to be coming from the 35 feet of sand found at the bottom of the hole at 5,589 feet, and the gas and distillate from an upper level.

Bailing dry at 2,874 feet where a show of oil was reported and casing set, A. F. Tarver's Caddo Realty No. 1, Section 2-13-16, De Soto parish wildcat was drilling ahead below 2,900 feet as the week closed. Also in DeSoto parish J. F. Carlson erected derrick for Garland No. 1, Section 7-14-14, a proposed 4,500 feet test on a block of 5,000 acres.

In Catahoula parish, T. Ray McDermott of Houston has started rigging up for a new test at Central Lumber Company No. 1, Section 15-10-5E, on a block of about 8,000 acres and planned as a 5,000-foot hole. In Grant parish near Colfax, Tri-State Development Company started moving in materials for a new operation at Ethridge No. 1, Section 19-7-3. The company has a 6,500-acre block of leases.

Geophysical options on large tracts of unleased lumber company land in Richland, Morehouse and Ouachita parishes, were taken this week by two major oil companies. Option on 160,000 acres of Crossett Lumber Company land in these parishes was taken by the Phillips Petroleum Company, while immediately south of the Monroe gas field, of Ouachita parish, the Gulf Refining Company took option on 100,000

acres from the Tensas Delta Lumber Company.

In the Permian lime trend in Morehouse parish, along which several major companies have started to lease with the Permian lime discovery of the Phillips at Smackover, Ark., the Gulf Refining Company is taking a block north of Oak Ridge, around Township 19, Range 6 and 7E. In Union parish, the Permian lime test of Lent & Boucher at Frost No. 1, Section 27-21-1S, was drilling at 4,248 feet in Travis Peak.

Exploration And Leasing Widespread

Geophysical Crews

Swarm in After Snow Hill Competition.

Shreveport—The Rodessa field where oil production was discovered last July is nearing the 200 mark in oil producers, 15 new wells completed last week bringing the total oil wells in that field to 191. Last week saw 47 tests drilling and 11 others rigging up. There are also 10 other active locations.

Blackwell Oil and Gas Company's Neugent No. 1, Section 8-23N-15W, northeast outpost well, one-half mile west of Lion Oil Refining Company's Wynn 1, Section 9-23N-15W, mile northeast outpost, completed at 6,107 feet, made 165 barrels of 43 gravity oil in its first 24-hour gauge, flowing through 3-16-inch tubing choke. On a subsequent gauge the well flow made 429 barrels through quarter-inch tubing choke in 24 hours. It is believed to be producing from the Hill horizon which showed oil at 5,919-27 feet, and if so, is the first Hill sand oil well in Rodessa.

Pelican Oil and Gasoline Company's 13 wells on the 120-acre Sexton lease, Section 14-23N-16W, in the heart of the Caddo parish side of the field, have been cut back to the allowable.

A rumor arose last week that Pelican had sold its lease in Rodessa to a major company, but this was emphatically denied by Pelican officials and by the executive head of the major company whose name was linked with the sale. Pelican has been made two offers within recent weeks for this lease by two

different companies, but no sale has been made and none is contemplated, according to company officials.

Leasing Continued.
Geophysical exploration and leasing in the southeast "trend" from the Permian gas discovery in Section 27-15-15, Ouachita county, Arkansas, northeast of the shallow Smackover field in the Snow Hill area, took a big upward spurt last week as several huge tracts of lumber company acreage were either leased or taken on geophysical exploration option.

It is believed that sufficient geophysical exploration has been done to locate fairly definitely the Paleozoic barrier that starts in the vicinity of the Snow Hill gasser, Phillips Petroleum Company's J. D. Reynolds 1, Section 27-15-1r, Ouachita county. The barrier extends through Bradley county, Arkansas, in the vicinity of where Phillips Petroleum Company is starting another test on a geophysical high in Section 12-17-11, through southwest Ashley county into Morehouse parish, Louisiana, and then appears to turn southward.

It is believed by some that west of this continental shelf the formations dip sharply at first with the rate of dip near the shore estimated at 200 to 300 feet per mile and that toward the sea beds the dip is more moderate, probably 100 to 200 feet per mile until the north Louisiana Basin is reached, where the beds are believed to be normally flat.

Promising traps, many believe, are created by formations pinching out against the barrier.

In Ashley county, Arkansas, Phillips Petroleum Company has secured a geophysical option on approximately 200,000 acres of Crossett Lumber Company land by agreeing to make extensive shooting exploration and make immediate selection of promising drilling blocks or forfeit the geophysical option.

In Calhoun county, Arkansas, to the east of the Snow Hill Permian gasser, Arkansas-Louisiana Gas Company (Cities Service) has a seismograph crew working in the supposed "trend" in Township 15 South, Ranges 12, 13 and 14, and Magnolia Petroleum Company has a shooting unit working in the same general area.

In Union county and nearby counties, Joe Modisett has taken a geophysical option on large tracts of Frost Lumber Company land and also has leased considerable acreage from Union Sawmill Company, especially near Strong, Union county.

In the "trend" from Snow Hill in north Louisiana parishes activity is also pronounced. In Morehouse parish, Gulf Oil Corporation is taking acreage on a large scale in township 19 north, ranges 6 and 7 east, and in Ouachita parish, this company has taken a geophysical option on approximately 100,000 acres of Tensas Delta Lumber Company acreage, some of it in Morehouse parish, with the option to lease at three dollars per acre.

In southwest Miller county, Arkansas, Standard Oil Company still has a shooting crew working in township 17, range 27. In Ouachita county around the flanks of the old shallow Stephens field that has produced since 1921 and still has 500 barrels daily production, both Tidewater Oil Company and Ohio Oil Company have seismograph units at work. This follows out the practice followed by several companies who have taken acreage around the flanks of the old Homer shallow field, Claiborne parish, La.

J. P. Evans' Crichton 1, section 35-18n-9w, Webster parish, Louisiana, drilled on a geophysical high, gave assurance last week of a definite wet gas field when it tested 26,700,000 cubic feet of wet gas through an open two-inch flow line on casing. Total depth is 5,589 feet. The well had shown considerable gas at 5,532 feet in what is now identified as corresponding to the basal Hill at Rodessa but the present horizon is definitely identified as corresponding to the Gloyd at Rodessa.

Louisiana Completions.
Most important of the six completions this week in the north Louisiana district, aside from thirteen wells in Rodessa, was the J. P. Evans No. 1 Crichton, section 25-18n-9w, Webster parish, completed as a 26,700,000 cubic-foot wet gas field to open a Glen Rose producing field in north Louisiana.

Other completions in north Louisiana last week were:

Morehouse parish (Monroe)—Farrell & Company, No. 18 State of Louisiana, section 9-21n-4e, five million cubic feet of gas at 2,135 feet; Farrell & Company, No. 19 State of Louisiana, 2,500,000 cubic feet of gas at 2,135 feet; United Gas Public Service Co., No. 37 Crossett Lumber Co., section 15-21n-4e, 7,500,000 cubic feet of gas at 2,196 feet; United Gas Public Service Co., No. 21 Tensas Delta Lumber Co., section 10-12n-4e, six million cubic feet of gas at 2,206 feet.

Sabine parish (Converse) — Lee Whitehurst et al., No. 2 Latham, section 19-9n-13w, pumping 55 barrels

oil daily at 2,128 feet.

One completion was recorded in the Rainbow City (Chapagnolle) field of Union county, Ark., as follows: J. E. Crosbie, Incorporated, No. 5 M. W. Sullivan, section 12-17-14, flowing 330 barrels of oil, ten per cent salt water, at 3,169 feet. Due to a recession in the daily average of the Rodessa field, the average oil yield in north Louisiana dropped 6,497 barrels last week

to 87,451 barrels. Caddo, light, which includes Rodessa, fell 6,404 barrels to 70,408 barrels, due to cutting back of 13 wells on the Sexton lease in section 14-23n-16w, owned by Pelican Oil and Gasoline Company.

Arkansas' average rose 74 barrels to 30,110 barrels. Daily average yield by districts last week in Arkansas follows: El Dorado, 1,558 barrels, down 26 barrels; Calion, light, 3,194 barrels, up nine barrels; Calion, heavy, 2,453 barrels, down 27 barrels; Smackover, light, 2,143 barrels, down 11 barrels; Smackover, heavy, 17,934 barrels, up 29 barrels; Lisbon, 273 barrels, down seven barrels; Nevada county, 705 barrels, down eight barrels; Stephens, 590 barrels, down nine barrels; Miller county, 1,170 barrels, up 24 barrels; Camden, none, down 72 barrels (Camden production now reported only every two weeks).

Much Drilling In Snow Hill Under Way

May 31, 1936

Special to the Gazette.

El Dorado, May 30.—An active drilling campaign is well under way in the Snow Hill area of the Smackover field with surface casing set in two tests and drilling operations started on three others. Derricks are up and rigging-up is being completed on four others, and drilling expected to be started in a few days.

In addition to the activities in the Snow Hill area, several wildcat tests in scattered sections of south Arkansas also are attracting attention.

The Standard Oil Company is drilling around 2,500 feet on its J. D. Reynolds B-3, 660 feet north and 330 feet west of the southeast corner of the northwest quarter of the southwest quarter of section 27-15-15 in Ouachita county. Surface casing was set last week and drilling was resumed early this week. It will be several weeks before the well reaches the testing stage.

John Pugh set surface casing at 660 feet early this week in his Hildebrand No. 1, 660 feet south and 330 feet west of the northeast corner of the southeast quarter of the southeast quarter of section 28-15-15 in Ouachita county, and resumed drilling operations on the test Thursday morning.

Two Tests Started.

The Phillips Petroleum Company, owner of the discovery well in the new deep sand area, has started drilling operations on two new tests in the area and is expected to start drilling on two others in a few days.

Carl B. King, driller of the discovery well for the Phillips company, has spudded in on the Amanda Cheatham

No. 1 well of the Phillips company, an east off-set to the discovery well located 660 feet south and 330 feet east of the northwest corner of the southwest quarter of the northeast quarter of section 27-15-15.

King also is preparing to spud in on the L. W. Harris No. 1 of the Phillips company, 660 feet south and 330 feet west of the northeast corner of the southwest quarter of the northeast quarter of section 28-15-15.

The J. I. Roberts Drilling Company of Shreveport is drilling two wells in the new area for the Phillips company, and has spudded in on the J. T. Arnold No. 1 well, 660 feet south and 330 feet east of the northwest corner of the northeast quarter of the southwest quarter of section 27-15-15, and is preparing to start operations on the E. Gette No. 1 test, 660 feet south and 330 feet west of the northeast corner of the north half of the southeast quarter of section 28-15-15.

The Lion Oil Refining Company has started drilling operations on the Berg and Reynolds No. 1, 534 feet north and 330 feet west of the southeast corner of the southeast quarter of the northeast quarter of section 28-15-15.

Calhoun County.

In the southern end of Calhoun county, across the river from Miller's bluff, Proetz & Brown are completing rigging up operations on their Calion Lumber Company No. 1, 810 feet east and 300 feet north of the southwest corner of the southeast quarter of the southwest quarter of section 22-15-15, and drilling is expected to be started in a few days. The location of the well was not easily accessible, and it was necessary for the operators to build roads to the location. The old ferry at Miller's Bluff was placed back in operation for traffic from the Ouachita county side of the river and considerable traffic has been handled across the river.

Bradley County.

In the southern end of Bradley county Carl King is rigging up for a wildcat test for the Phillips company in the area southeast of Moro Bay. The test will be the C. H. Murphy No. 1, 660 feet south and 800 feet east of the northwest corner of the northwest corner of section 12-17-11.

The same electric rig as used in drilling the discovery well in the Snow Hill area will be used, and drilling is expected to be started next week. Use of

the electric rig was made necessary because of the lack of fuel supply for a boiler.

All of the rigs for the new tests in the Snow Hill area are operated by steam with fuel gas furnished by discovery well of the Phillips company.

Locations for two additional tests in the Snow Hill area have been announced but no drilling permits have been issued. One well will be the Standard Oil Company J. D. Reynolds B-4, located in the west half of the northwest quarter of the southwest quarter of section 27-15-15, and the other will be the Farris No. 1 of E. C. Johnson et al, in the southeast quarter of the northwest quarter of section 26-15-15. Both wells will be in Ouachita county.

To Test Adams No. 1.

In the Rainbow City field east of El Dorado, Kinnebrew & Simpson have set casing for final testing of their Adams No. 1 in section 12-17-14. The well is expected to be completed next week.

Northeast of El Dorado J. C. Buckbee is coring at 3,894 feet on the Harry Ezell No. 1 in section 13-17-15.

Don Keever is shut down awaiting orders on his Slaughter No. 1 in section 9-17-16 at a depth of 3,106 feet.

Frost No. 1 Dry.

One of the most closely watched wildcat tests in the state was abandoned this week when Joe Modisette et al got a dry hole in the Frost Lumber Company No. 1 in section 21-19-14 in Lafayette county at 6,008 feet. It was the second hole drilled to that depth, the first being junked at 5,316 feet and the derrick skidded over 100 feet.

The well, 25 miles north of the Rodessa field, has been watched closely for possibilities that the Rodessa fault trend might extend that far and that a structure carrying production might be present.

Leon Russ of Dallas, Tex., is reported planning to drill the Garrett No. 1 of Magale & Elam in section 13-17-20 which tested salt water in the Glen rose formation to the new permian lime formation.

Drill stem is stuck at a depth of 7,252 in the Bodcaw Lumber Company test of the Ohio Oil Company in section 20-16-23, Lafayette county.

Ben B. Barnett is reported to be installing heavier rig for his Freeman Smith No. 1 deep test in section 36-15-14 in Calhoun county.

O. P. Whitaker is shut down repairing rig on his Howard No. 1 wildcat test in section 29-12-16 in Ouachita county at a depth of 1,840 feet.

One New Drilling Permit.

Permit was issued this week by the

Arkansas state Board of Conservation to J. E. Crosbie for the G. Morris No. 1 to be drilled 340 feet north and 260 feet east of the southwest corner of the northwest quarter of the southwest quarter of section 7-17-14 in Union county.

Log was filed by the Phillips Petroleum Company for the J. D. Reynolds No. 1 well, 330 feet north and 300 feet west of the southeast corner of southeast quarter of the northwest quarter of section 27-15-15 in Ouachita county.

Two permits to plug and abandon wells were issued. They were to the Harvey Drilling Company for the P. M. Allen No. 1, 1,034 feet south and 320 feet west of the center of section 18-19-24 in Lafayette county, and to the Cumberland Petroleum Company for the Fred Elliott No. 1, 200 feet north and 200 feet west of the southeast corner of the northeast quarter of the northwest quarter of section 23-15-17 in Ouachita county.

Completion Of Deep Test Expected Soon

6-21-1936

Special to the Gazette.

El Dorado, June 20.—Early completion of another producer from the Permian line formation in the Snow Hill area of the Smackover field in Ouachita county is expected, following the setting of casing this week in the J. D. Reynolds B-3 of the Standard Oil Company of Louisiana, in section 27-15-15, the same section in which the discovery well of the Phillips Petroleum Company was completed several weeks ago for a big gasser and a small amount of high gravity oil or distillate.

The Standard company set casing at 4,892 feet, using nine and five-eighths inch casing. Bottom of the hole is 4,912 feet. Formation in the Standard well checked 14 feet higher than in the Phillips well.

Coring in the lime formation was started last week, and three cores were taken before decision was made to set casing. Two 20-foot cores were taken at depths of 4,852 to 4,872 and 4,872 to 4,892 feet, which showed considerable oil saturation. A third 10-foot core was taken and it showed even more saturation than the previous cores, and operators decided to set casing without making a drill stem test.

More than 400 sacks of cement were used in cementing the casing, and it is expected that it will be about the middle of next week before the plug is drilled and final testing started.

L. K. Kitzelman of Muncie, Ind., President of the Indiana Steel and Wire Company, is aiding in financing the oil tests, Mr. Johnson said.

"This is purely an independent proposition, and we are not selling any stock or acreage, at least not unless we find oil," he said.

Recording of the leases was the first public indication that tests for oil were planned near here.

The Standard well is located in the southeast corner of the northwest quarter of the southwest quarter of section 27-15-15.

Another Coring Job.

Coring operations have been started on another deep test in the Snow Hill area. John Pugh, drilling the P. T. Hildebrand No. 1 test for the Liberty Oil Company, started coring at 4,850 feet on the test several days ago, and cored to 4,900 feet without obtaining a showing. The well checked 17 feet lower than the Standard well and also three feet lower than the discovery well of the Phillips company. A three-three-foot core was taken to 4,903 feet Thursday and showed oil saturation. Operators are expected to continue the coring operations until about 10 or 12 feet of the saturated sand is cored, and then set casing. It is expected that the well will be ready for completion in about two weeks. The Hildebrand test is located in the northeast corner of the southeast quarter of the southeast quarter of section 28-15-15.

Two other wells in the Snow Hill area are expected to reach the coring stage in the next few days. They are the Berg-Reynolds No. 1 test of the Lion Oil Refining Company in section 28-17-17, and the Harris No. 1 test of the Phillips company, being drilled by Carl B. King in section 28-15-15.

The Harris test, which is located in the northeast corner of the southwest quarter of the northeast quarter of section 28-15-15, is drilling at a depth of 4,700 feet. Coring will be started at a depth of 4,850 feet.

The Lion company's well is located in the southeast corner of the southeast quarter of the northeast quarter of section 28-15-15. It is drilling at a depth of 4,590 feet.

Progress at Other Wells.

Satisfactory progress also is being made on four other tests in the same area, three in Ouachita county and one across the Ouachita river in Calhoun county.

Three of the tests are being drilled for the Phillips company and the fourth, the one in Calhoun county, is being drilled by Proetz & Brown, El Dorado operators. Proetz & Brown are drilling at 2,258 feet on their Calion Lumber Company No. 1 test which is located in the southwest corner of the southeast quarter of the southwest quarter of section 22-15-15.

King is drilling the Cheatham No. 1 test for the Phillips company in the northwest corner of the southwest quarter of the northeast quarter of section 27-15-15. The well is now at a depth of 3,343 feet.

The J. I. Roberts Drilling Company of Shreveport is drilling the other two wells for the Phillips company. The Rose (E. Gette) No. 1 test in the northeast corner of the north half of the southeast quarter of section 28-15-16 is drilling at 2,258 feet, and the J. T. Arnold No. 1 test located in the northwest quarter of the northeast quarter of the southwest quarter of section 27-15-15 is drilling at 3,689 feet.

Bradley County Test.

Another deep test in south Arkansas that is attracting considerable interest because of the unusual drilling preparations is the C. H. Murphy No. 1 wildcat test of the Phillips Petroleum Company, being drilled in the southern end of Bradley county by Carl B. King. The test is located 660 feet south and 660 feet east of the northwest corner of section 12-17-11.

A 135-foot steel derrick was erected for the test, the tallest derrick yet used in south Arkansas.

First reports received here were that the same electric rig used by the company on its discovery well in the Snow Hill area of Ouachita county was to be used on the test, but later it was announced that diesel engines would be used. Two 200-horsepower diesels were installed for operating the drilling table and pumps and an 85-horsepower auxiliary diesel was installed to operate cooling fans for the other engines and to operate an electric generator to supply electricity for general use. Water for the slush pit is pumped about two miles from the Ouachita river.

Surface casing has been set in the test and drilling operations have been resumed. The test is now at a depth of about 2,000 feet. It is reported that the test will be carried to a depth of 7,000 feet unless production is encountered at a lesser depth.

Other Drilling Operations.

In Calhoun county northeast of Calion Ben G. Barnett is nearing 4,000 feet on his Freeman Smith No. 1 deep test in the southwest quarter of the northeast quarter of the southwest quarter of section 26-15-14.

In Union county northeast of El Dorado near Sloan's park, the Southern Exploration and Development Company is reaming down preparing to take more cores at a depth below 4,700 feet in its Harry Ezell No. 1 in the southwest quarter of the northeast quarter of the northwest quarter of section 13-17-15.

The same company is drilling below 4,285 feet in its J. C. Buckbee test in the southwest corner of the southwest quarter of the northeast quarter of section 17-18-18 near the Union county line.

The western part of Union county continues to receive considerable lease play in the Shuler area with a wildcat test to be drilled in the area starting about the last part of July.

Erwin & Leach are reported to have encountered the Permian lime formation at below 7,600 feet in their Bodcaw No. 3 test in section 20-16-23, Lafayette county, and are awaiting orders that may take the well still deeper. It is the second deepest well drilled in the state, being exceeded only by the Gulf deep test drilled to 8,000 feet two years ago in the Griffin area of the Smackover field.

Five Drilling Permits.

One permit to deepen and four to plug and abandon were issued by the state Conservation Department this week. Log of one well was also filed.

J. M. Farris obtained permit to deepen the Georgia Dean No. 1 test in the northeast corner of the southeast quarter of the northwest quarter of section 16-15-17 in Ouachita county.

The Louisiana Iron and Supply Company obtained permits to plug and abandon three tests in Union county. They were the Robinson Nos. 1 and 2, both in the north half of the southwest quarter of the northeast quarter of section 6-18-15, and the Smith No. 3, in the northwest quarter of the northwest quarter of section 6-16-16. The Transportation Petroleum Company obtained permit to plug and abandon the Cochran Estate No. 1 in the northeast corner of the northeast quarter of the southeast quarter of section 26-19-24 in Lafayetteville county.

J. D. Reynolds filed log of the McKenzie No. 1 in the northeast corner of the southeast quarter of the southwest quarter of section 36-15-16 in Ouachita county.

Benchmark for Oil Wells In Snow Hill Area Established.

June 24, 1936

Special to the Gazette.

El Dorado, June 23. — An official benchmark to be used as a starting point for elevations on wells drilled in the Snow Hill area was adopted this morning at a special meeting of the state Conservation Board, C. E. Harris, chief conservation agent and secretary of the board, announced. The action was necessary, Harris said, because there are as many as four benchmarks in the area which would make the correlating of logs of wells drilled in the area confusing.

The official benchmark for computing elevations of future wells in the area was described by the commission as follows:

"Permanent reference point at Little Bay, located on left bank of river, left top bank at mouth of Little Bay, four meters back from main bank. It is witnessed by four blazed trees as follows:

"5-10 meters, black gum—azimuth 99 degrees, 3 meters.

"5-10 meters, sweet gum—azimuth 170 degrees, 31.2 meters.

"5-10 meters, holly—azimuth 278 degrees, 11 meters.

"11-10-10 meters, black gum—azimuth 308 degrees, 17 meters.

"Benchmark—four-inch pipe stone, elevation of cap, 94.872. Section 15, township 15 south, range 15 west, Calhoun county, Arkansas, and all logs filed of wells hereafter drilled in the Snow Hill pool shall show the elevation above sea level taken from said starting point or benchmark as above set forth."

Snow Hill Producer Increases Flow of Oil and Gas.

June 24, 1936

Special to the Gazette.

El Dorado, June 24.—Since it began flowing yesterday afternoon after being swabbed out, the J. D. Reynolds B3 test of the Standard Oil Company, in Section 27, 15, 15 of the Snow Hill area of the Smackover field, increased its flow today and is producing 10 barrels of oil an hour and is making an estimated 8,000,000 cubic feet of gas daily.

The oil flow is expected to increase as the well cleans itself out of drilling mud and washing fluid. About 18 per cent of the flow of the well is mud and washing fluid and it is expected that it will be three or four days before the well will be clean.

The flow of the well has been turned into a separator. The oil, according to company officials, tests about 50 gravity. The well is flowing through a seven-eighths inch choke. Officials of the company this morning expressed optimism that the well will be a good producer when the mud and water is cleaned out.

Tests Under Way.

Testing is under way on the P. T. Hildebrand No. 1 well of the Liberty Oil Company being drilled by John Pugh. Cores were taken in the well last week, showing good oil saturation and casing was set at 4,902 feet with bottom of the hole at 4,915 feet.

Plug was drilled Friday and final testing is under way. The well was to be washed to stimulate the flow and if that failed operators were expected to swab the hole to lower the fluid so that the well would flow.

The Hildebrand test is located in the northeast corner of the southeast quarter of the southeast quarter of section 28-15-15.

Snow Hill Well Shows Oil and Gas

6-24-36

Special to the Gazette.

El Dorado, June 23.—The Reynolds B-3 well of the Standard Oil Company in section 27-15-15 of the Snow Hill area, after being swabbed this morning, began to make showings of oil and gas this afternoon. The well was allowed to flow through the tubing for a short time and then was closed and later reopened and allowed to flow through the casing.

The showing of oil and gas were made on several "spurts" of the flow. Most of the flow from the well this afternoon had been washing water. It is expected that the well will be allowed to flow until it cleans itself out so that an estimate can be made on its possible production.

The Reynolds test is located in the southeast corner of the northwest quarter of the southwest quarter of section 27-15-15.

Other Tests Under Way.

Another test expected to be completed this week is the P. T. Hildebrand No. 1 of the Liberty Oil Company, being drilled by John Pugh, in which casing was set at 4,892 feet last week. The test is located in the northeast corner of the southeast quarter of the southeast quarter of section 28-15-15.

The Phillips Petroleum Company has resumed coring at 4,900 feet on the Harris No. 1 in section 28-15-15 after

the drill stem, which had been stuck in the hole, was released.

The Lion Oil Refining Company is coring at 4,878 feet in Berg-Reynolds No. 1, also in section 28-17-17. The Lion hit the lime formation nine feet higher than the Standard encountered the formation in its Reynolds test.

Reports from the field this morning were that the Reynolds No. 1 test of the Phillips company, discovery well in the area, is flowing about 420 barrels of 45 degree gravity oil a day, of which about 22 per cent is salt water and bottom sediment.

Centers In Snow Hill

1936

Special to the Gazette.

El Dorado, June 27.—Oil interest of South Arkansas this week centered in the new deep pool of the Smackover field in the Snow Hill area of Ouachita county where one new well was completed, a drill stem test taken on a second and final testing of another is under way.

The completion is the Reynolds B-3 of the Standard Oil Company of Louisiana in section 27-15-15, which was swabbed in early in the week after plug was drilled Sunday. The test is located in the southeast corner of the northwest quarter of the southwest quarter of section 27-15-15.

Ten-inch casing was set at 4,892 feet with bottom of the hole at 4,912 feet. The plug was drilled Sunday and the well washed Sunday and Monday but it refused to flow. Operators then decided to swab some of the washing water out of the hole. When the fluid was lowered about 3,000 feet in the hole it began to flow making a showing of both gas and oil.

The well began cleaning itself and the showing of gas and oil was increased. It was turned into separators Wednesday and produced 10 barrels of about 50 degree gravity oil per hour and an estimated 10,000,000 cubic feet of gas daily on a seven-eighths inch choke on the tubing. Approximately 20 per cent of the flow was water and basic sediment.

By Thursday the well had cleaned itself to such an extent that only about 10 per cent of the flow was mud and drilling water. The flow was cut under a half-inch choke and the oil production was reduced to about six or seven barrels an hour.

Officials of the company were optimistic and expressed the opinion that a "good well" would be developed when the well has cleaned itself of mud and water. They declared that it will be several days before all the mud and water are cleaned out of the hole.

Tests Under Way.

Testing is under way on the P. T. Hildebrand No. 1 well of the Liberty Oil Company being drilled by John Pugh. Cores were taken in the well last week, showing good oil saturation and casing was set at 4,902 feet with bottom of the hole at 4,915 feet.

Plug was drilled Friday and final testing is under way. The well was to be washed to stimulate the flow and if that failed operators were expected to swab the hole to lower the fluid so that the well would flow.

The Hildebrand test is located in the northeast corner of the southeast quarter of the southeast quarter of section 28-15-15.

After several cores were taken in the lime formation at 4,800 feet in the Berg-Reynolds test of the Lion Oil Refining Company in section 28-15-15, a drill stem test was made Wednesday at 4,820 feet. In the test, the well made a showing of about 35,000,000 cubic feet of gas daily production with no showing of oil. It was the best gas showing yet obtained in any of the wells drilled in the Snow Hill area.

Officials of the company decided to drill deeper in search of oil rather than complete the well as a gasser. Coring was resumed on the test Friday morning. The Lion company encountered the lime formation seven feet higher than it was encountered in the Standard test. It is expected that an oil saturation will be encountered at around 4,850 to 4,900 feet.

The Lion test is located in the southeast corner of the southeast quarter of the northeast quarter of section 28-15-15.

Another well nearing the testing stage is the Harris No. 1 of the Phillips Petroleum Company being drilled by Carl B. King in section 28-15-15. The test was being cored at 4,900 feet earlier this week when the pipe became stuck in the hole. The pipe was released Wednesday and the well was being cored below 4,910 feet. The test is located in the northeast corner of the southwest quarter of the northeast quarter of section 28-15-15 and is expected to be the next well to be tested.

Discovery Well Increases Production. The J. D. Reynolds No. 1, discovery well of the Phillips Company in section 27-15-15, has increased its production and on last reports from the field is flowing 420 barrels of 45 gravity oil a day and is producing about 10,000,000 cubic feet of gas a day. Gas from the discovery well is being used to operate the rigs of other wells being drilled in the new area.

The J. T. Arnold No. 1 well of the Phillips company being drilled by the J. I. Roberts Drilling Company of Shreveport in section 27-15-15 is at a depth of 4,800 feet and coring operations are expected to be started in a few days. The test is located in the northwest corner of the northeast quarter of the southwest quarter of section 27-15-15.

The Amanda Cheatham test of the Phillips company is drilling at a depth of 3,800 feet. The test is located in northwest corner of the southwest quarter of the northeast quarter of section 27-15-15.

The Rose (E. Gette) test of the Phillips company is drilling at a depth of 3,300 feet. The test is located in the northeast corner of the north half of the southeast quarter of Section 28-15-15.

Across the river in Calhoun county Proetz and Brown are drilling at 3,450 feet on their Calion Lumber Company No. 1 test in Section 22-15-15. The test is located in the southwest corner of the southeast quarter of the southwest quarter of Section 22-15-15.

Permit for New Well. The Phillips company has obtained permit for a new test to be drilled in the Snow Hill area. It is the J. M. Farris No. 1 and is located 660 feet south and 330 feet east of the northwest corner of the southeast quarter of Section 27-15-15 in Ouachita county.

Two additional tests in south Arkansas that are being watched closely are the Harry Ezell test of the Southern Exploration and Development Company in Section 13-17-15 in Union county and the Freeman Smith Lumber Company test of Ben G. Barnett in Section 26-15-17 in Calhoun county. Both tests are being cored around the 4,900-foot level and are expected to encounter the Permian lime formation at slightly below that depth. The Barnett test is near Calion on the Ouachita river and the Ezell test is in the Sloan's park area northeast of El Dorado.

The Southern Exploration and Development Company has temporarily shut down at 4,517 feet on the J. C. Buckbee No. 1 wildcat test in Section 17-18-18 in Columbia county near the Union county line.

In the Rainbow City field east of El Dorado, Crosbie and Robinson have obtained drilling permit and started operations on the Sullivan No. 6 test 560 feet east and 800 feet north of the southwest corner of the southeast quarter of the northwest quarter of Section 12-17-14.

The same company also obtained permit to plug and abandon the G. Morris No. 1 test 340 feet north and 260 feet east of the southwest corner of the northwest quarter of the southwest quarter of Section 12-17-14.

The Magnolia Petroleum Company obtained permit to plug and abandon the H. C. McKinney No. 4 in the northwest corner of the southeast quarter of Section 25-17-16 in Union county.

Erwin & Leach obtained permit to plug and perforate at 3,500 feet on their Bodcaw Lumber Company No. 3 in the northwest corner of the northwest quarter of the northwest quarter of Section 20-16-23 in Lafayette county after a salt water showing in a test below 7,600 feet.

Well to Be Plugged. C. M. Crotty has obtained permit to plug and perforate in the Joe Tatum No. 2 in the northwest quarter of the northeast quarter of Section 7-16-15 in Union county.

In the southern end of Bradley county, Carl B. King is drilling below 2,000 feet on the C. H. Murphy No. 1 wildcat test of the Phillips Petroleum Company which is scheduled to be a 7,000-foot test. The well is located 660 feet south and 660 feet east of the northeast corner of the northwest quarter of Section 12-17-11.

In Miller county, Odell Hinson is drilling below surface casing in his Montana No. 1 in Section 3-17-28. The King Oil Company is drilling at 1,000 feet in the Mann No. 1 in Section 1-16-26 also in Miller county and the Deep Rock Oil Company is coring at 3,600 feet on the Williams No. 1 in Section 6-16-25 in the same county.

Leasing activity continues in south Arkansas with many acres coming into new play. Earl R. Wiseman, revenue commissioner, is reported to have given O. G. Murphy of El Dorado a lease in Ashley county on all beds, bars, lakes and bays on the Ouachita and Saline rivers and the rivers themselves where they touch Sections 12, 13, 19, 22, 23, 24, 26, 27, 28, 30, 31, 32 and 34, township 17, range 10, and Sections 3, 5, 6, 7, 8 and 16, township 17, range 9. In event no oil or gas is discovered on the property before March, 1937, the leases will be void unless renewed.

East of Magnolia in Columbia county the Phillips Petroleum Company is reported to be adding to its lease holdings now aggregating about 10,000 acres.

Also in Columbia county west of Stephens, the Magnolia Petroleum Company is shooting in township 15, range 20, while the Ohio Oil Company has a crew west of Stephens shooting in township 15, range 20. The Standard Oil Company has a crew working near Emerson in township 19, range 20, and the Root Petroleum Company has a crew working near Magnolia.

On the eastern edge of Lafayette county extending into Columbia county, the Superior Oil Company is assembling leases in townships 18 and 19, ranges 22 and 23, and is reported to have assembled about 4,500 acres. George E. Fallings of Enid, Okla., also has a shooting crew working near Bradley, in Lafayette county.

In township 16, range 10, Bradley county, near Vick, the Magnolia Petroleum Company is buying scattered leases. The Phillips Petroleum Company has a shooting crew in the county working in township 16, range 11. The Tidewater Oil Company has a crew shooting in township 15, range 14, in Calhoun county and the Arkansas-Louisiana Gas Company has a crew in the same vicinity.

Demand for leases has also increased in Union county in the New London area in township 18, range 12, after it was reported that the Phillips company had mapped new "highs" in that area. Lease activity also continues at a fast pace in the Shuler area, west of El Dorado in Union county.

Liberty Oil Co. Well Due At Snow Hill

Expected to Be Third Producer—Others Near Testing Stage.

El Dorado — Early completion of another well in the Snow Hill deep pool of the Smackover field was indicated today when swabbing operations got under way on the Hildebrand No. 1 test of the Liberty Oil Company, in section 28-15-15, being drilled by John Pugh.

Plug on the test was drilled Friday and the well was washed with oil Friday night but failed to make any showing. Operators then decided to swab the well to lower the fluid in the hole so that the well would begin flowing.

An unusually good showing was obtained in another well in the area when the Lion Oil Refining Company took a five-foot core in its Berg Reynolds No. 1 test, in section 28-15-15, at a depth of 4,825 feet. The core according to reports from the well had one of the best showings of oil and gas yet obtained in the new pool.

M. E. Wilson, vice president of the Lion Company in charge of production, this morning stated that coring operations would be continued for a thorough test.

Members of the oil fraternity were optimistic over the showing being made by the Lion well, following the reports that salt water had been encountered in the well yesterday. Mr. Wilson said that the salt showing

was small and had not interfered with operations.

The Lion well is located in the southeast corner of the southeast quarter of the northeast quarter of section 28-15-15.

The Reynolds B-3 well of the Standard Oil Company, in section 27-15-15, is expected to be closed in after three days of "blowing," as required by conservation laws. The well is

reported to have about cleaned itself of mud and water used in washing and drilling. The well was flowing about seven barrels per hour of high gravity oil and about six to seven million cubic feet of gas daily under half-inch choke. The state conservation law requires that a well be closed in after being allowed three days to clean itself.

Three addition wells in the area are reported to be coring for the lime formation. The Harris well of the Phillips Company, drilled by Carl B. King, has resumed coring

Snow Hill Gas Line Is Planned by Phillips

El Dorado — The Phillips Petroleum Company of El Dorado is planning to construct a gas pipeline across the Ouachita river near where deep sand production was discovered recently in the Snow Hill area of the Smackover field.

Announcement of the plans was contained in a letter received from Lt. Col. Lunsford E. Oliver, district engineer of the United States engineers' office, at Vicksburg, Miss.

The letter stated the Phillips Company has submitted an application for a permit to construct a four-inch gas line across the Ouachita river, 12 miles north of Calion, and one-half mile above Miller's Bluff landing.

Plans submitted by the applicant show the pipe line crossing the Ouachita river in the northwest quarter of section 27-15-15. The pipe is to be buried three feet in the bed and banks of the stream.

Salt Water Ruins Hope of Producer

El Dorado—After a good showing of oil and gas in the oolitic lime formation at 4,953 feet, the Calion Lumber Company No. 1 well of Proetz and Brown, in section 22-15-15, Calhoun county, tested salt water in a drill stem test.

It was the first well to be drilled across the Ouachita river from the Snow Hill area of the Smackover field. Operators announced that they would abandon the operation.

It was reported earlier in the day that saturated cores had been taken and that the prospect for a producer was excellent.

The test is not far from the discovery well of the Phillips Petroleum Company in the Snow Hill sector.

Tests Nearing Completion In Snow Hill

Special to the Gazette.

El Dorado, July 18.—Completion of two more tests in the Snow Hill deep pool area of the Smackover oil field in south Arkansas is expected in the next few days following drilling of plug for final testing of the Harris No. 1 test of the Phillips Petroleum Company and setting of casing for final testing of the Berg-Reynolds No. 1 of the Lion Oil Refining Company.

Plug was drilled Thursday on the Harris test and bailing and swabbing operations started Thursday night. Casing was set at 4,789 feet with bottom of the hole at 4,807 feet. Good cores were taken from the well last week before setting casing, and good showings of oil and gas were obtained.

The test is located in the northeast corner of the southwest quarter of the northeast quarter of Section 28-15-15, about three-quarters of a mile west of the discovery Reynolds No. 1 well of the Phillips Company in Section 27-15-15.

Test Down 4,792 Feet.

Having cored and tested more than 430 feet of oil and gas saturated lime formation, the Lion Oil Refining Company this week set 5-8-inch casing at 4,864 feet in its Berg-Reynolds No. 1. Total depth of the well is 5,247 feet. Top of the lime was cored at 4,792 feet. Cores in the top of the formation showed strong gas, and the oil showing was stronger as the cores went deeper. As the coring neared the bottom of the formation the oil showing lessened and as the last cores were taken a hard lime formation showed with only gas showings.

Casing was set at the 4,864-foot depth for a test of 232 feet of the formation at the best level. Operators plan to test the 232 feet through a perforated pipe in an effort to complete a commercial oil well. If the well should fail to make an oil producer, operators are reported to be planning to plug back to the top of the formation where the best gas showings were optioned and complete the test as a commercial gasser.

The test is located in the southeast corner of the southeast quarter of the northeast quarter of Section 28-15-15.

John Pugh resumed drilling operations on the Hildebrand No. 1 test of the Liberty Oil Company in Section

28-15-15 Monday after the test was shut down to weeks ago when it failed to make showing in final testing. Coring operations were resumed at 4,915 feet after casing was set at 4,902 feet and several good cores were taken.

Two of the cores were taken from 4,915 to 4,934 feet which made good oil showings and a drill stem was taken Thursday. A total of 4,600 feet of fluid were made in the drill stem test, 90 feet of which were oil and 4,510 feet of water. It is expected that coring operations will be continued. The well is located in the northeast corner of the southeast quarter of the southeast quarter of Section 28-15-15.

Good Oil Showing.

Good oil showings are being obtained in cores taken in the J. T. Arnold No. 1 test of the Phillips company in Section 27-15-15. Two recent cores at 5,062 feet to 5,067 feet and 5,067 to 5,072 feet showed good oil saturation. The test is located in the northwest corner of the northeast quarter of the southwest quarter of Section 27-15-15.

Operators of the Rose (E. Gette) No. 1 of the Phillips company in Section 28-15-15 are "rotating" awaiting outcome of tests and operations on other tests in the area before taking cores. The well is at a depth of 4,819 feet and has not as yet encountered the lime formation. The test is located in the northeast corner of the north half of the southeast quarter of Section 28-15-15.

Crew on the Amanda Cheatham test of the Phillips company in Section 27-15-15 are fishing for a slip lost in the hole when drilling operations were resumed after a temporary shutdown. The hole is at a depth of 4,910 feet, having encountered the lime formation at 4,907 feet. The test is located in the northwest corner of the southwest quarter of the northeast quarter of Section 27-15-15.

Proetz & Brown abandoned their Calion Lumber Company No. 1 test across the Ouachita river in Calhoun county in Section 22-15-15 when salt water was obtained in a drill stem test after good oil saturated cores were taken at around 4,900 feet. The test was the first to be drilled in the Calhoun county sector of the new deep

pool. The well was located in the southwest corner of the southeast quarter of the southwest quarter of Section 22-15-15.

Farris 1 Rig Up.

Rigging-up has been completed on the Farris No. 1 test of the Phillips Petroleum Company in the northwest corner of the southeast quarter of Section 27-15-15 and crews are awaiting orders to spud in.

The Reynolds B-3 of the Standard Oil Company in Section 27-15-15 is still making a small quantity of oil and a large amount of commercial gas. The oil production is about 44 barrels a day with 4,380,000 cubic feet of gas and four barrels of water a day.

The test is located in the southeast corner of the northwest quarter of the southwest quarter of the section and was the second successful completion in the area.

The discovery well, the Reynolds No. 1 of the Phillips company, in Section 27-15-15, is making about 30 per cent water. The test is located in the southeast corner of the southeast quarter of the northwest quarter of the section.

No decision has as yet been made as to further operations on the Freeman Smith Lumber Company No. 1 of Ben G. Barnett in Calhoun county near Calion. Drilling operations were halted at 5,518 feet when the well failed to make any showing at that depth. Contract depth of the test was reported to be 5,500 feet. The test is located in the southwest corner of the northeast quarter of the southwest quarter of Section 26-15-14.

The Phillips Petroleum Company is drilling below 4,000 feet on its C. H. Murphy No. 1 wildcat test in the southern end of Bradley county 660 feet east and 660 feet south of the northwest corner of the northwest quarter of Section 12-17-11 near Perigee lake.

Northeast of El Dorado near Sloan's park the Southern Exploration and Development Company is coring in red sand and Jose shale at 5,427 feet in the Harry Ezell test in the southwest corner of the northeast quarter of the northwest quarter of Section 13-17-15.

Location has been made for a new test to be drilled in the Rainbow City field east of El Dorado by the Tenn-Ark Petroleum Corporation. The test will be known as the Raulston No. 1, and is to be located in the northeast corner of the northwest quarter of the southeast quarter of Section 12-17-14. Derrick timbers are being hauled to the location and rigging up is expected to be started in a few days.

Testing crews are continuing activities in south Arkansas with the Continental Oil Company reported to have taken options for testing on approximately 200,000 acres in Dallas, Cleveland and Lincoln counties. The acreage is reported to begin at Fordyce, Dallas county, and run northward about 13 miles and then east to Star City, Lincoln county.

The Superior Oil Company is reported to have made location for a deep test in Section 13-18-24 in a block of Columbia and Lafayette counties where

a thorough geophysical survey was made.

The Lion Oil Refining Company is reported to be planning a deep test in the vicinity of Lawson, in Section 31-17-13, Union county.

The Phillips Petroleum Company is reported to have moved two seismograph crews into Ashley county, southwest of Crossett, around township 18, range 9.

Permits Issued.

Three permits to drill, eight to plug and abandon and one to plug and perforate were issued this week by the state Conservation Department. Logs of two wells were also filed.

The drilling/permits were as follows: W. L. McClanahan for the Miller Land and Lumber Company No. 1, 330 feet north and 330 feet east of the southwest corner of Section 2-18-28, Miller county; A. L. Kitselman for the A. L. Kitselman Jr. No. 1, in the southeast corner of the southeast quarter of the southwest quarter of Section 2-1-13, Pulaski county; J. F. Russell for the J. T. Gunter No. 1, 444 feet north and 577 feet west of the southeast corner of Section 17-5N-10, Lonoke county.

Permits to plug and abandon were as follows: Joe Modisette, Union Sawmill No. 1, in the northeast corner of the northwest quarter of the southeast quarter of Section 14-18-14, Union county; J. M. Gibson No. 1, center of the southeast quarter of the southeast quarter of the southeast quarter of Section 6-18-13 in Union county; Joe Modisette, Frost Estate No. 1 in the center of the southwest quarter of the southwest quarter of Section 21-19-24 in Lafayette county; Mudrock-May-Easton, Conway Estate No. 1, in the southwest corner of the northwest quarter of Section 20-12-27 in Hempstead county; Gulf Refining Company, T. C. Murphy No. 23, 1,520 feet east and 660 feet south of the center of Section 9-16-15 in Union county; Gulf Refining Company, Sid Umsted No. 6, 1,120 feet east and 1,120 feet south of the northwest corner of Section 32-15-15 in Ouachita county; Gulf Refining Company, Jeff Flannagan No. 13, 1,650 feet north and 990 feet east of the southwest corner of Section 5-16-15 in Union county; Gulf Refining Company, G. E. Murphy No. 2, 200 feet north and 200 feet east of the southwest corner of the northwest quarter of Section 8-16-15 in Union county.

Permit to plug and perforate to the Nacatosh sand was issued to the Standard Oil Company of Louisiana for the H. Laney B-3, 330 feet south and 330 feet east of the center of Section 31-15-15 in Ouachita county.

Logs were filed by J. E. Crosbie, Inc., for the G. Morris No. 1 in the southwest corner of the northwest quarter of the southwest quarter of Section 7-17-13, Union county, and by Mudrock-May-Easton for the Conway Estate No. 1, in the southwest corner of the northwest quarter of the southwest quarter of Section 20-12-27, Hempstead county.

Drillers Probe Lime Strata At Snow Hill

Coring Continues in Effort to Open Deeper Oil Reservoir.

El Dorado—Three Snow Hill deep test wells were being watched closely as coring operations continued in search of oil showings in the lime formation below 4,900 feet.

Probably main interest among field followers centers in the Berg-Reynolds No. 1 of the Lion Oil Refining Company, in section 28-15-15, in which a core dripping oil and showing strong gas was taken at a depth of 4,931 feet. The crew at last reports was reaming down preparatory to taking of more cores.

A thorough test of the lime formation is planned, company officials having decided to keep on coring. It is believed likely that such operations may be continued until the lime formation is penetrated deeply.

More than 130 feet of the lime formation has been revealed in cores to date, the formation having been topped at a depth of 4,792 feet. Most of the cores have had showings of both oil and gas. Several drill stem tests have been made, with showings of gas the chief result.

Other coring operations are on new tests of the Phillips Petroleum Company, which brought in the discovery well in the deep sand area. The Arnold well, in section 28-15-15, is coring at 4,926 feet and the Harris test in the same section at a depth of 4,807 feet. The Rose test of the same company is drilling at 4,513 feet and on the Cheatham well operations have been shut down temporarily with the well in the lime formation at 4,910 feet.

The discovery well of the Phillips, Reynolds No. 1 in section 27-15-15 continues to flow about 320 barrels of fluid daily and about eight million cubic feet of gas. Of the fluid there are about 100 barrels of water

and the remainder is high gravity oil. The second well completed in the area, Reynolds B-3 of the Standard Oil Company, is flowing about 70 barrels of oil per day with 6,000,000 cubic feet of gas.

Across the Ouachita river from the Snow Hill area in Calhoun county, Proetz and Brown are drilling in sandy shale at a depth of 4,575 feet. The well is the Calion Lumber Company No. 1 in section 22-15-15.

John Pugh has shut down temporarily on the Hildebrand No. 1 test in section 28-15-15 at 4,914 feet, after the well failed to flow after being swabbed and bailed several days. It

is estimated that the well would make about 100 barrels daily. The estimate is based on the amount of oil the well made in "heads."

Test of Phillips Well At Snow Hill Due Soon

El Dorado—The fourth of a number of tests being drilled in the Snow Hill area of the Smackover field reached the deep lime formation this week. Casing will be set within the next few days in the Harris No. 1 of the Phillips Petroleum Company, section 28-15-15. A good showing of oil and gas was developed in a recent drill stem test.

Final testing of the well is scheduled in about a week or ten days.

Three small producers have been developed to date in the area. The discovery well of the Phillips Co. in section 27-15-15, continues to produce around 400 barrels of fluid daily, 20 per cent salt water, and around 8,000,000 cubic feet of gas.

The Standard well on the Reynolds land, section 27-15-15, is making about 6,000,000 cubic feet of gas per day and a small amount of oil. The third completion is the Hildebrand No. 1 of the Liberty Oil Company, in section 28-15-15, which is shut down after testing. It is estimated good for around 150 barrels per day.

Taking of cores continues in the Berg Reynolds No. 11 of the Lion Oil Refining Company, section 28-15-15, after a good showing of oil and gas in the latest drill stem test. The well is now more than 300 feet in the lime formation. The most recent test was made at a depth of 5,131 feet, the deepest depth at which a drill stem test has been taken in the area. The crew is reaming down preparatory to taking more cores.

Another Test Completed In Snow Hill

Special to the Gazette.

El Dorado, July 11.—With plans being made for setting casing in the Harris No. 1 test of the Phillips Petroleum Company in section 28-15-15, completion of another test in the Snow Hill deep area is expected in the next 10 days or two weeks.

Interest in the new sand area also centers on the Berg-Reynolds No. 1 test of the Lion Oil Refining Company, also in section 28-15-15, in which more than 300 feet of the oil and gas saturated lime formation have been cored.

Another completion in the Rainbow City area east of El Dorado in Union county also featured the oil news of South Arkansas this week.

The appearance of salt water in two tests already completed in the Snow Hill area slowed operations somewhat. Crews on several of the tests have continued coring operations in the lime formation to make a more thorough test of the formation rather than set casing for final testing in the top of the formation.

Test Due in 10 Days.

Following good showings of oil and gas obtained in drill stem tests, the Phillips Petroleum Company has hauled eight and five-eighths inch casing to the site of the L. W. Harris No. 1 test. Casing is expected to be set in the next few days and final testing of the well started in about 10 days. The good showings in the test were at a depth of 4,807 feet in the oil saturated lime formation.

The well is located in the northeast corner of the southwest quarter of the northeast quarter of section 28-15-15 about three-quarters of a mile west of the discovery Reynolds No. 1 well of the Phillips company in section 27-15-15.

Having cored and tested more than 430 feet of oil and gas saturated lime formation, the Lion Oil Refining Company is continuing its coring of the formation and is below 5,131 feet. The last drill stem test at 5,041 to 5,131 feet made a good showing of oil and gas despite the fact that the casing steel failed to hold and allowed a quantity of mud to enter the testing tool. Operators are now reaming down to the bottom of the hole and will continue the coring and testing operations.

Officials of the Lion company announced that a thorough test of the formation had been made and it is believed that the company will core through the lime and then plug the bottom of the hole and perforate back

to the depth of the well. They expect to complete the well.

The Lion test is located in the southeast corner of the southeast quarter of section 28-15-15. The lime formation was encountered at a depth of 4,792 feet, and the well has been in the formation since that depth with all cores showing good oil and gas saturation.

Arnold Test Reaming.
Operators on the J. T. Arnold No. 1 test of the Phillips company are reaming down for further cores after good oil and gas showings were obtained in drill stem tests at a depth of 4,986 feet. Other drill stem tests will be made as more of the formation is cored. The well is located in the northwest corner of the northeast quarter of the southwest quarter of section 27-15-15.

The Rose (E. Gette) No. 1 test of the Phillips company in section 28-15-15 is drilling in the redbeds at 4,715 feet and is expected to encounter the lime formation about 150 feet deeper. The test is located in the northeast corner of the north half of the southeast quarter of section 28-15-15.

The Cheatham well of the Phillips company in section 27-15-15 still is closed down awaiting outcome of tests on other tests in the area. The well is located in the northwest corner of the southwest quarter of the northeast quarter of the section. The Cheatham test was coring in the lime formation at 4,810 feet when it was closed down, having encountered the lime at 4,807 feet.

The Hildebrand No. 1 test of the Liberty Oil Company completed two weeks ago still is shut down awaiting decision of the company as to whether the test will be carried deeper. The decision probably is being help up pending outcome of tests on other wells now coring and testing the lime formation.

Bottom of the hole in the well is at 4,915 feet with casing set at 4,902 feet. A good showing of both oil and gas was obtained in drill stem tests, but the well failed to flow after casing was set and only a small showing of oil was obtained after it was bailed and swabbed for several days. The well is located in the northeast corner of the southeast quarter of the southeast quarter of section 28-15-15.

Flow Increases.
The Reynolds B-3 well of the Standard Oil Company, the second completion in the new area, increased its flow slightly the last week and is now flowing about 75 barrels of high gravity oil a day through a three-fourths inch choke, and making about 6,000,000 cubic feet of gas a day.

The well was completed at a total depth of 4,912 feet with casing set at 4,982 feet. The well did not flow when plug drilled until some of the fluid in the hole was swabbed out. The well then began flowing and has produced steadily since with the flow increasing slowly. The well is kept under a close choke and has never been allowed to flow wide open. The water content of the production has decreased until it is now reported to be making only about one per cent water. The test is located in the southeast corner of the northwest quarter of the southwest quarter of section 27-15-15.

The discovery Reynolds No. 1 of the Phillips company is producing about 320 to 350 barrels of oil a day with about 7,000,000 to 8,000,000 cubic feet of gas, and about 15 per cent water. The well is located in the southeast corner of the southeast quarter of the northwest quarter of section 27-15-15. Rigging up is nearing completion and operations are expected to be started soon of the J. M. Farris No. 1 of the Phillips company, 660 feet south and 330 feet east of the northwest corner of the southeast quarter of section 27-15-15. Permit has been issued for the test.

Calhoun County.
Across the Ouachita river in Calhoun county Proetz & Brown are coring in green shale at 4,873 feet in their Calion Lumber Company No. 1, in section 22-15-15, and are expected to top the lime formation soon. The test is located in the southwest corner of the southeast quarter of the southwest quarter of section 22-15-15, and is the only test drilling in Calhoun county in the vicinity of the new production.

New Pipeline Planned.
Plans for construction of a pipeline across the Ouachita river near Snow Hill by the Phillips Petroleum Company were announced in a letter from Lieut. Col. Lunsford E. Oliver, district engineer of the United States engineers office at

Vicksburg, Miss.
The letter said that the Phillips company had submitted application for permit to construct a four-inch gas line across the Ouachita river 12 miles north of Calion and half a mile above Miller's Bluff landing. The pipeline would cross the river in the northwest quarter of section 27-15-15 and would be buried three feet in the banks and bed of the river.

Though no announcement was made by company officials here it was believed that the construction of the pipeline indicates that the Phillips plans considerable drilling activities in the Calhoun county section of the new field in the near future.

In the southern end of Calhoun county, Ben G. Barnett has halted operations on his Freeman Smith Lumber Company No. 1, in the southwest corner of the northeast quarter of the southwest quarter of section 26-15-14. The well is at a depth of 5,518 feet in hard lime with no showing obtained in the well. Contract depth for the well was reported to be 5,500 feet, and no decision has been made as to whether the well will be drilled deeper.

Bradley County.
The Phillips Petroleum Company is drilling at 3,540 feet on its C. H. Murphy No. 1 wildcat test in the southern end of Bradley county, near Perigee lake. Location of the well is 660 feet south and 660 feet east of the northwest corner of the northwest quarter of section 12-17-11.

The Southern Exploration and Development Company is coring in hard lime formation at 5,135 feet in the Harry Ezell No. 1 test northeast of El Dorado near Sloan's park, in the southwest corner of the northeast quarter of the northwest quarter of section 13-17-15.

In the Rainbow field east of El Dorado, Crosbie & Robinson this week completed the Sullivant No. 6 test in section 12-17-14 as a producer expected to make about 200 barrels daily on the beam. Plug on the test was drilled early this week and bailing started. The well bailed about 180 barrels a day. Standard rig will be installed. It is expected to make 200 to 250 barrels a day on the pump. The test is located in the southwest corner of the southeast quarter of the northwest quarter of the section.

Two permits to drill and one to plug and abandon were issued by the state Conservation Department this week, and logs of two wells were filed.

A. L. Kitselman obtained permit for the A. L. Kitselman No. 1 in the southeast quarter of the southwest quarter of section 2-1-13 in Pulaski county with drilling operations expected to start soon. W. M. McClannahan obtained permit for the Miller Land and Lumber Company No. 1 in the southwest corner of section 2-18-28 in Miller county.

Permit to plug and abandon was issued to Erwin & Leach for the Bodcaw Lumber Company No. 1, in the northwest corner of the northwest corner of the northwest quarter of section 20-16-23, in Lafayette county, and log of the well was filed. Log also was filed by the Root Petroleum Company for the E. V. White No. 1, in the southeast corner of the southeast quarter of the southwest quarter of section 36-17-15 in Union county.

Salt Water Ruins Hope of Producer

El Dorado—After a good showing of oil and gas in the oolitic lime formation at 4,953 feet, the Calion Lumber Company No. 1 well of Proetz and Brown, in section 22-15-15, Calhoun county, tested salt water in a drill stem test.

It was the first well to be drilled across the Ouachita river from the Snow Hill area of the Smackover field. Operators announced that they would abandon the operation.

It was reported earlier in the day that saturated cores had been taken and that the prospect for a producer was excellent.

The test is not far from the discovery well of the Phillips Petroleum Company in the Snow Hill sector.

Another New Well In Snow Hill Area

El Dorado—What appeared to be another good well was indicated tonight in the deep sand area near Snow Hill in the Smackover oil field.

The latest well to show good gas production with little oil is the Harris No. 1 of the Phillips Petroleum Company, Section 28-15-15. Reports tonight indicated the well probably would be good for about 15,000,000 cubic feet of gas per day.

Although no announcement was made to that effect, it was believed likely that testing operations would continue for a time longer. Tubing and packer were set in the hole and field followers were of the opinion that the Phillips would continue testing activities in the hope of finding more oil.

As the week closed, members of the oil fraternity were anxiously awaiting testing of still another well in the Snow Hill area. This well is the Berg Reynolds No. 1, of the Lion Oil Refining Company, in section 28-15-15, in which casing was set for testing of over 300 feet of the lime formation. This test is expected to start during the early part of the week.

John Pugh was working on a test at a depth of 4,900 feet in the Hildebrand No. 1 of the Liberty Oil Company in section 28-15-15. Several pany in section 28-15-15. Several cores showing oil and gas have been taken from the well during the past week, and at one time it showed good for around 150 barrels daily. The operators are hopeful of making a producing well by plugging back.

Phillips Will Put Down New Deep Wildcat

July 26, 1936
Schuler Test Arouses Interest; Other Areas Show Activity.

El Dorado—Although main interest continues to center in deep sand development in the Snow Hill area of the Smackover field, much attention is being given to outside operations, new wildcat tests and the continued "shooting" activities in various parts of the El Dorado territory.

Probably most interesting among the deep tests is the well that will be drilled by the Phillips Petroleum Company in the Schuler area to the southwest of El Dorado. Location has been made near the center of lot one in section 18-18-17, and a road is now being cleared to the

well. It is understood that a heavy rig is being moved from Oklahoma and that drilling operations will get under way soon.

There is much interest in the Schuler wildcat, that area having been the center of feverish trading over a number of weeks. Many leases and royalties have changed hands as field followers have sought to get in the big play expected in connection with a "high" reported to have been found in that area.

Close watch is being kept on the Harry Ezell well to the northeast of El Dorado in the Sloan Park area, which is one of the deepest wells in progress. The well is now down below 5,600 feet with crew taking cores.

Final testing of another Snow Hill well is scheduled for the early part of the week. The Phillips Petroleum Company is reported planning to drill Monday or Tuesday in the Arnold No. 1, in section 28-15-15, in which casing was set about a week ago after a good showing of oil and gas.

New tests are slated within a short time in two other Snow Hill wells. The Lion Oil Refining Company has cemented back in the Berg Reynolds No. 1, in section 28-15-15, which has been showing as a gasser with a small amount of distillate, and John Pugh has completed similar work on the Hildebrand No. 1 of the Liberty Oil Company, also in section 28-15-15. Testing probably will get under way on both wells the coming week.

In the Rainbow City area the Pennark Petroleum Corporation of Pittsburgh, Penn., of which C. O. Glenn is general manager, will begin moving rig Monday to a new test. The well is the Haulston No. 1 in the southeast quarter of section 12-17-14. The crew is scheduled to spud in this week with contract calling for 3,500 feet.

Two Completions Expected In Snow Hill Area Today.

1936
Special to the Gazette.
El Dorado, July 29.—Two more completions in the Snow Hill sector of the Smackover field are expected, with

plans being made for testing of two wells tomorrow.

The Liberty Oil Company probably will make a test early tomorrow on the Hildebrand No. 1. The well was plugged back to 4,905 feet after failing to make a good showing at a deeper level several weeks ago.

The Lion Oil Refining Company is expected to make a test on its Berg-Reynolds No. 1, which also was plugged back after failing to make a good showing at a deeper level. The well is to be tested at 4,806 feet, where the best gas showing was obtained in the coring operations.

The Arnold test of the Phillips Company, the most recent completion in the field, is flowing about a million cubic feet of gas daily with oil and water also being produced. No gauge has been placed on the fluid flow.

Casing was set in the well last week and the plug was drilled Monday. The test was swabbed and bailed until it started flowing yesterday.

Two Wells Plugged Back In Snow Hill Area.

1936
Special to the Gazette.
El Dorado, Aug. 1.—Final testing of two wells in the Snow Hill area that were plugged back to a higher level after failing to make good showings deeper and start of operations on a deep test well in the Schuler area of Union county, west of El Dorado, featured the oil activities in south Arkansas this week.

One new completion by the Phillips Petroleum Company in the Snow Hill sector was made this week to feature continued activities in the new deep sand area of the Smackover field. The newest completion is the J. T. Arnold No. 1, located in the northwest corner of the northeast quarter of the southwest quarter of section 2-15-15 in Ouachita county.

Casing was set last week in the test at a depth of 4,914 feet after good showings of both oil and gas were ob-

tained in cores. Plug was drilled Monday and swabbing and bailing operations started. The well began flowing Tuesday and was producing about a million cubic feet of gas daily with about 25 to 40 barrels of oil and some water. The flow of oil and gas are expected to be increased as the well cleans itself out.

Completions Expected Soon.
The next completions in the area are expected to be the Berg Reynolds No. 1 of the Lion Oil Refining Company and the Hildebrand No. 1 of the Liberty Oil Company, both in section 28-15-15.

The Lion test was plugged back to a depth of 4,806 feet after it failed to make a showing in a test at a total depth of 5,247 feet. More than 430 feet of oil and gas saturated lime formation were cored in the well before casing was set at 4,864 feet, but on final testing it failed to make a showing and operators decided to plug back to the 4,806 foot level where the best gas showing was obtained. Efforts will be made to complete the well for a big gasser.

Final testing was scheduled to have been started Thursday but was delayed and its completion is expected in the next few days. The test is located in the southeast corner of the southeast quarter of the northeast quarter of section 28-15-15.

The other completion expected in the next few days is the Hildebrand test of the Liberty Oil Company being drilled

by John Pugh. The test was plugged back to a depth of 4,905 feet for testing after being drilled to a depth of about 5,000 feet. The test had previously failed to make a showing in final testing after casing was set and it was shut down for several weeks and operations resumed only recently. Testing at the 4,905 foot level was to have been started Thursday but was delayed and is expected to be made in the next few days. The well is located in the northeast corner of the southeast quarter of the southeast quarter of section 28-15-15.

The L. W. Harris No. 1 test of the Phillips company in section 28-15-15 is producing about 25 barrels of distillate a day with an undetermined amount of gas. No gauge has been placed on the gas flow, as it was used to complete the Arnold well. The well is located in the northeast corner of the southwest quarter of the northeast quarter of section 28-15-15.

Operators on the Rose No. 1 (E. Gette) of the Phillips company in the northeast corner of the north half of the southeast quarter of section 28-15-15 are circulating at 4,819 feet to keep the hole clean and operators on the Amanda Cheatham No. 1 test of the same company are circulating at a depth of 4,910 feet. The test is located in the northwest corner of the southwest quarter of the northeast quarter of section 27-15-15. Operations on the two tests are being delayed pending outcome of the Arnold test.

Discovery Well Producing.
The discovery Reynolds No. 1 well of the Phillips company in section 27-15-15 is producing about 200 barrels of oil with about 40 per cent water and 5,000,000 cubic feet of gas a day. The test is located in the southeast corner of the southeast quarter of the northwest quarter of the section.

The Reynolds B-3 test of the Standard Oil Company, the second completion in the area is making about 40 barrels of oil a day with about six per cent salt water and about three or four million cubic feet of gas a day through a quarter inch choke. The test is located in the southeast corner of the northwest quarter of the southwest quarter of section 27-15-15.

Operators on the Harry Ezell test of the Southern Exploration and Development Company are coring in red shale at 5,761 feet. The test is located northeast of El Dorado near Sloan's park in the southwest corner of the northeast quarter of the northwest quarter of section 13-17-15.

Though rigging up was completed some time ago, operators have not started drilling on the Farris No. 1 test of the Phillips company in the northwest corner of the southeast quarter of section 27-15-15 in Ouachita county.

Operators on the C. H. Murphy No. 1 wildcat test of the Phillips Petroleum Company in the southern end of Bradley county encountered an unusual situation Thursday morning when the well struck a cavity while coring at 4,922 feet and lost the drilling mud. Operators plan to haul mud to the test in an effort to fill the cavity so that drilling and coring operations may be continued. The size of the cavity was not determined in early reports

here. The test is located 660 feet east and 660 feet south of the northwest corner of the northwest quarter of section 12-17-11.

Interest in Schuler Area.
One of the most interesting operations now under way in south Arkansas is the Edna Morgan No. 1 wildcat deep test of the Phillips company in the Schuler area west of El Dorado. Heavy rig was moved to the location from Oklahoma and the well was spudded in Thursday.

There is much interest in the test as the Schuler area was the center of heavy lease trading a month ago with many leases and royalties changing hands following reports of a new "high" location in that area. It is expected

that the well will be drilled to the oolitic lime formation encountered in the Snow Hill section of the county. The new test is located 1,980 feet north and 4,237 feet east of the southwest corner of the southwest quarter of section 18-18-17.

Operations are expected to start soon on the Raulston No. 1 test of the Pennark Petroleum Company in section 12-17-14 in the Rainbow field east of El Dorado in Union county. Rigging up has been completed and drilling is expected to start in a few days. The test is located in the northwest corner of the northwest quarter of the southeast quarter of the section.

Plans have been made by the Petroleum Reclamation Company to deepen the J. B. Wilson No. 1, just west of the Columbia-Union county line in Columbia county. The test was temporarily closed down several years ago after being drilled to a depth of 4,510 feet. The test is located in the southwest quarter of the northeast quarter of section 17-17-18.

East of the Garland City field in Miller county, the Deep Rock Oil Company is coring below 4,256 feet in the Williams No. 1 test in section 6-16-25. In the same county six miles north of Bloomburg, McClannahan et al have started operations on the 6,000-foot Miller Land Company No. 1 test in section 2-18-28. The proposed deep test of "Dad" Joiner et al in section 3-17-28 in Miller county is drilling below 3,000 feet.

Three new drilling permits were issued by the Arkansas Board of Conservation with three permits to plug and abandon tests. Logs of three wells were also filed.

The Ozark Natural Gas Company of Fort Smith obtained permit to drill the J. N. Ewing Estate No. 1 test in the center of the southwest quarter of section 23-8n-29w in Sebastian county. J. R. Lockhart of Fordyce obtained permit to drill the Ida Robertson No. 1 well 450 feet north and 250 feet west of the southeast corner of the southeast quarter of the southeast quarter of section 36-10-11 in Cleveland county. The Phillips Petroleum Company of Bartlesville, Okla., obtained permit for the Edna Morgan No. 1 test 1,980 feet north and 4,327 feet east of the southwest corner of the southwest quarter (located in the center of Lot 1) in section 18-18-17 in Union county.

Marshall Craig obtained permit to plug and abandon the B. R. McClannahan No. 5 150 feet south and 250 feet west of the northeast corner of the

Four Water Pumps Fail To Control Big Gasser

Drill 8-6-36
El Dorado—Four pumps were being used this morning to pump water into the Berg-Reynolds No. 1 test of the Lion Oil Refining Company, in the Snow Hill area, which has been running wild for the last several days.

The well broke loose and is flowing about forty million cubic feet of gas daily. The gas pressure blew out the packing between the oil string and the surface casing, and is out of control.

A group of experts from Texas was conferring with Lion crews here today in making plans for curbing the wild gasser.

Operations on other tests in the area have been halted temporarily until the Lion well is placed under control.

The well was completed last week, making a heavy gas flow with a little oil. It got out of control once before but was mudded in.

Attempts to Control Wild Gasser Unsuccessful

Drill 8-6-36
Special to the Gazette.
El Dorado, Aug. 5.—Efforts were being continued tonight by crews of the Lion Oil Refining Company to close in the huge wild gasser that has developed from the Berg-Reynolds test in the Snow Hill field. The well has resisted all attempts to kill it. It was completed last week for a small oil producer and a big gasser.

Several days ago the well broke loose, but it was killed with mud. Later it broke loose again and efforts to shut it off have failed.

Large quantities of baroid were pumped into the hole, but that failed to halt the flow of gas, which has been estimated at 40,000,000 cubic feet daily. The flow of oil has stopped. Bottom hole rock pressure in the test has been estimated at 2,000 to 2,300 pounds.

Packing between the surface casing and the oil string has been blown out and places in the casing split open by the tremendous gas pressure. Gas is flowing up on the outside of the oil string and inside the surface casing.

Four pumps were working at the well tonight pumping water into the hole in an effort to choke down the well. Operations on other tests in the field have been halted.

1,000 to 1,500-Barrel Well In Union County Expected.

1936
El Dorado, Ark., Aug. 7 (AP).—Announcement that efforts would be made to complete the Phillips Petroleum Company's Cheatham well in a week or 10 days followed a drill stem test today which operators said gave indications of a 1,000 to 1,500-barrel producer.

The well is located in section 27-15-15 of the Snow Hill area in the Smackover field. Today's test was made at

Five pumps sent water into the Lion Oil Company's Berg-Reynolds gasser in nearby 28-15-15 in a futile effort to halt its wild flow. Nearby wells were closed down as a precautionary measure against fire.

The well is flowing at the rate of about 40,000,000 feet of gas daily.

New Producer At Snow Hill

Drill 8-7-36
Indications of 1,500-Barrel Well in Phillips Test.

El Dorado (AP).—The Phillips Petroleum Company announced today indications of a 1,000 to 1,500-barrel producer, following a drill stem test on its Cheatham well, in section 27-15-15 of the Snow Hill area in the Smackover field.

The test was made at 4,901 feet. Casing will be set and an effort made to complete the well within the next week or 10 days, operators reported.

In nearby section 28-15-15 of the field, the Lion Oil Company's Berg-Reynolds gasser continued to flow wild today as five pumps sent water into the hole in an effort to halt the flow.

The well is flowing at the rate of an estimated 40,000,000 feet of gas daily. Nearby wells were closed down as a precautionary move against fire.

New Producer Raises Hopes At Snow Hill

Drill 8-7-36
Cheatham Deep Test May Be Good for 1,500 Barrels Daily.

El Dorado—The Snow Hill deep sand area of the Smackover field was given new life this week with one new well showing for what is expected to be the best producer in the field, and another well showing tremendous gas pressure.

Field followers and members of the oil fraternity generally were cheered by the showing of the Amanda Cheatham well of the Phillips Petroleum Company, in section 27-15-15.

In a drill stem test the well loomed as a producer good for 1,000 to 1,500 barrels a day. It is one of the best showings in the area and has revived hopes of big deep sand production.

A test was made of a sand encountered at 4,913 feet, about the same depth as where the pay level was struck in other wells in that area. The crew is going ahead with setting of casing for final testing within the next week or 10 days.

Although the well is blowing wild and has been most of the week, the showing of the Berg-Reynolds No. 3 of the Lion Oil Refining Company, in section 28-15-15, was taken as a good indication. The well is flowing at the rate of 40,000,000 cubic feet of gas daily, and is making some distillate. Much progress has been made during the last two days toward shutting off the wild flow and Lion officials expressed the belief Saturday night that the well would be closed by noon Sunday. Preparations have been made for placing a special collar on the well as the final move to check the flow.

Much interest is being shown in the wildcat deep test of the Phillips Petroleum Company, now in progress in the Schuler area to the west of El Dorado. The well is the Morgan No. 1, in section 18-18-17, about 15 miles from here. Drilling is under way around 1,700 feet. It is understood that the well will be drilled to a depth of 8,000 feet and probably deeper. The rig is reported to be the second largest in the country.

The Pennark Oil Corporation is moving in for drilling of the Raulston No. 1 in section 12-17-14, a new test in the Rainbow City field.

Wild Gasser In Snow Hill Still Blowing

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Special to the Gazette.
El Dorado, Aug. 8.—Chief interest of oil activities of south Arkansas this week centered around the Berg-Reynolds test of the Lion Oil Refining Company where efforts are being made by crews of the local company and experts from Texas to shut off the well which

has been flowing wild for several days out of control.

The well was completed early this week for a small oil producer and a big gasser after being plugged back to the 4,806-foot level. The well previously had failed to make a showing below 5,000 feet after more than 300 feet of gas and oil lime formation had been cored.

The best gas showing was obtained at about 4,806 feet, and the test was plugged back to the level. A few days after it was completed it blew wild but was filled with mud and placed under control again.

About the middle of the week the well blew out again and as yet has resisted all attempts to place it under control.

Large quantities of baroid were pumped into the hole but even that failed to stop the gas flow which has been estimated at 40,000,000 to 50,000,000 cubic feet a day.

Bottom hole rock pressure in the well has been estimated at from 2,000 to 2,300 pounds.

Experts from Texas were called. The tremendous gas pressure is said to have blown out the packing between the oil string of casing and the surface casing. The pressure also is said to have split the surface casing in several places.

The Lion test is located in the southeast corner of the southeast quarter of the northeast quarter of section 20-15-15.

Activities on other tests in the area are said to have been temporarily halted while efforts are being made to control the wild gasser.

Other Completions Expected.
Scheduled for completion as soon as the Lion well is closed in are the Hildebrand No. 1 test of the Liberty Oil Company, being drilled by John Pugh, and the Amanda Cheatham test of the Phillips Petroleum Company.

The Hildebrand test was plugged back to a depth of 4,905 feet for testing after being drilled to a depth of about 5,000 feet. The test previously had failed to make a showing in final testing after casing was set and it was shut down for several weeks.

Operations were resumed on the test a short time ago, and testing was to have been started last week but was delayed, and now is being held up pending operations on the Lion well. The Hildebrand test is located in the northeast corner of the southeast quarter of the southeast quarter of section 28-15-15.

Following a drill stem test last week on the Amanda Cheatham well of the Phillips company, surface casing was set at 4,922 feet and is expected to be completed a short time after the Lion well is placed under control. Operations were suspended on the Cheatham test with the crew "circulating" at 4,910 feet to preserve the hole after striking the lime formation, pending completion of several other Phillips tests. The well is located in the northwest corner of the southwest quarter of the northeast quarter of section 27-15-15.

Operators on the Rose (E. Gette) well of the Phillips company are reported to be "circulating" at 4,819 feet to preserve the hole pending completion of the Cheatham test. The Rose well is located in the northeast corner of the north half of the southeast quarter of section 28-15-15.

Three Phillips Wells.
The Phillips now has three completed wells in the Snow Hill area, and the Standard Oil Company of Louisiana one. The discovery well of the field, the Reynolds No. 1 of the Phillips Company, in the southeast corner of the southeast quarter of the northwest quarter of section 27-15-15, is making 200 barrels of high gravity oil and 5,000,000 cubic feet of gas a day, along with about 30 to 40 per cent water.

The Harriss No. 1 test of the Phillips company, in the northeast corner of the southwest quarter of the northeast quarter of section 28-15-15, is making about 25 barrels of distillate a day, and an undetermined amount of gas with some water.

The Arnold No. 1 of the Phillips company, its latest producer, is making about 30 to 40 barrels of distillate a day with about 2,000 cubic feet of gas. The test is located in the northwest corner of the northeast quarter of the southwest quarter of section 27-15-15.

The Reynolds B-3 well of the Standard company, the second producer in the area, is producing about 40 barrels of oil a day and 4,000,000 cubic feet of gas through a quarter inch choke. The test is located in the southeast corner of the northwest quarter of the southwest quarter of section 27-15-15.

Test Down 6,000 Feet.

What is rapidly developing into one of the deepest tests yet drilled in the El Dorado area is the Harry Ezell No. 1 test of the Southern Exploration Company in section 13-17-15, which has passed the 6,000-foot level. The well is coring in shale below 6,025 feet. The test is being cored for the lime formation which was encountered in the Snow Hill area, at a considerably deeper level in that section. The well is located in the southwest corner of the northeast quarter of the northwest quarter of section 13-17-15.

Operators on the C. H. Murphy No. 1 wildcat test of the Phillips Petroleum Company in the southern end of Bradley county this week filled the cavity which was encountered at 4,922 feet last week while coring, and have resumed coring. The well was reported being cored at 5,043 feet this week. The test is located 660 feet east and 660 feet south of the northwest corner of the southwest quarter of section 12-17-11.

Drilling operations have been resumed following the setting of surface casing early this week on the Edna Morgan No. 1 deep wildcat test of the Phillips company in the Schuler area west of El Dorado, in Union county. The test is to

be drilled to the permian oolitic lime formation encountered in the Snow Hill area. The test is located 1,980 feet north and 4,237 feet east of the southwest corner of the southwest quarter of section 18-18-17.

Eight Permits Issued.
Two permits to drill and six to plug and abandon were issued by the state Conservation Department this week. The Citizens Gas Company of Fort Smith obtained permit to drill the J. W. Joyce No. 1, 330 feet east of the state line and 330 feet south of the fractional west half of the southwest quarter of section 6-9-32, in Crawford county and A. B. Diffie et al. of Tulsa, Okla., obtained permit to drill the L. C. Ross No. 1, 330 feet south and 330 feet west of the northeast corner of the southwest quarter of the northeast quarter of section 11-11-11 in Cleveland county.

The Gulf Refining Company obtained permits to plug and abandon four wells in Ouachita county. They were: Louis Werner A 7, 2,440 feet north and 1,120 feet east of the southwest corner of section 26-15-17; the Louis Werner A 10, 2,440 feet north and 200 feet east of the southwest corner of section 26-15-17; the Louis Werner A 12, 1,520 feet east and 1,120 feet north of the southwest corner of section 26-15-17, and the Louis Werner A 14, 1,120 feet west and 200 feet north of the center of section 36-15-17.

The Magnolia Petroleum Company obtained permit to plug and abandon the G. W. Palmer No. 1 well in the northeast corner of the southeast quarter of the southwest quarter of section 9-16-15, in Union county, and the T. D. Murphy No. 7, in the southwest quarter of the southwest quarter of section 8-16-15, in Union county.

New Producer At Snow Hill

Lion's Berg - Reynolds Making Gas, 20 Barrels Distillate.

El Dorado—One more producer for the deep sand area in the Snow Hill sector of the Smackover field was recorded Saturday when the Lion Oil Refining Company turned into the tanks the flow from the Berg-Reynolds well in section 28-15-15. Flowing through quarter-inch choke, the well is making at the rate of 6,000,000 cubic feet of gas and 20 barrels of distillate per day.

Completion of the Lion well, first test drilled by the company in that area, was from a depth of 4,806 feet. The well was drilled to below 5,000 feet with more than 300 feet of the lime formation appearing in cores. Later the well was plugged back and the test made at the depth from which the best showing was obtained.

Field followers are awaiting testing of a second well, and a third test is preparing for a drill stem test. John Pugh has cemented casing again in the Hildebrand No. 1 of the Liberty Oil Company, in section 28-15-15, and will probably test some time during the coming week.

The Phillips Petroleum Company is ready to make a drill stem test on the Cheatham well in section 28-15-15, which was delayed for a time, pending outcome of the Arnold well in the same section, which was completed the first of the week as a small producer.

Close watch is being kept on the Harry Ezell well of the Southern Exploration and Development Company in the Sloan Park area to the northeast of El Dorado. Coring is in progress below 5,800 feet in blue shale. The lime formation has not been encountered.

The Phillips company is reported to have started drilling on the Morgan No. 1 test, in section 18-18-17, near Schuler, to the southwest of El Dorado.

The Penn-Ark Oil Company has erected derrick for the Raulston No. 1, in section 12-17-14, a new test in the Rainbow City field.

Wild Gasser In Snow Hill Under Control

Special to the Gazette.

El Dorado, Aug. 15.—The Berg-Reynolds No. 1 wild gasser of the Lion Oil Refining Company, Section 28-15-15, Snow Hill area of the Smackover field, was placed under control this week and has begun producing a spray of high

gravity oil that was estimated at 100 to 200 barrels a day to feature the oil activities of south Arkansas this week.

The Lion's deep test well went wild about two weeks ago and until two days ago resisted all efforts to close it in. Lion officials employed the services of a wild well expert from Houston who, with the aid of crews from the Lion company, placed the well under control.

The well blew in wild after it had been plugged back to the best gas-producing level, and was to be completed as a gas well to be used in operating pumping wells of the Lion company in the Smackover field. After water was pumped into the hole and failed to kill the well, all fittings on the top of the oil string of casing were removed and a nipple and valve gate placed on the pipe.

Wednesday morning when work was started closing the gate, the clamp failed to hold and it was necessary to remove the fittings and install a heavier clamp. Wednesday afternoon the heavier equipment was installed and the well closed in.

During the operation of closing in the well, it began to make a showing of oil. This showing increased as the well was closed in and Thursday was estimated making 100 to 200 barrels of oil a day in addition to the large production of gas.

While it was flowing wild the well was producing 40,000,000 to 50,000,000 cubic feet of gas daily. It still is producing an enormous amount of gas which will be used in the Lion's other operations in the field. The well is located in the southeast corner of the southeast quarter of the northeast quarter of section 28-15-15.

Another Producer Looms.
About a half-mile east of the Lion well, in Section 27-15-15, the Phillips Petroleum Company is waiting the setting of casing for completion of its Amanda Cheatham No. 1 test which is expected to make the best producer in the field.

The Cheatham test is northeast of the discovery well in the new area, the Reynolds No. 1 of the Phillips company. A drill stem test made last week-end on the Cheatham test indicated that a producer of from 1,500 to 2,000 barrels daily. Casing was set early this week and completion of the test is expected early next week.

The test is in the northwest corner of the southwest quarter of the northeast quarter of section 27-15-15.

In the Schuler area of Union county west of El Dorado the Phillips Petroleum Company is preparing to make a drill stem test of the Nacatoosh sand at the 2-100-foot level. The well is scheduled for a deep test to the permian lime formation encountered in the Snow Hill area. The well is the Morgan No. 1 and is located in Section 18-18-17.

In the southern end of Bradley county, the Phillips company is coring in hard lime formation at 5,331 feet in the C. H. Murphy No. 1 wildcat test. The test is located in Section 12-17-11.

The Penn-Ark Petroleum Company is rigging up for a test to be drilled in Section 12-17-14, in the Rainbow City field east of El Dorado. There has been little activity in the Rainbow City field since the play started in the Snow Hill area, but the Penn-Ark test is expected to revive activities in that area.

Operations were halted on the Harry Ezell No. 1 deep test of the Southern Exploration Company in the Sloan's Park area of Union county northeast of El Dorado and a permit to plug and abandon temporarily was issued by the Conservation Department. Operations on the well were halted at a total depth of 6,003 feet. The test is located in the southwest corner of the northeast quarter of the northwest quarter of section 13-17-15.

New Drilling Permits.
Three permits to drill new wells were issued this week by the state Conservation Department and three permits were issued to plug and abandon tests. One

correction of location and three logs of wells also were filed.

H. D. Easton et al. of Shreveport, La., obtained a permit to drill the Conway Tiller No. 2 well, 330 feet north and 330 feet east of the southwest corner of section 34-12-27, Hempstead county. The Eastern Texas Production Corporation of Dallas obtained a permit to drill the Kendrick No. 1, 330 feet south and 30 feet east of the northwest corner of the southeast quarter of section 7-19-18 in Columbia county.

Benedum & Trees Company obtained a permit to drill the Grove Land and Lumber Company No. 1, 170 feet north of the center of the north half of the southeast quarter of the northwest quarter of section 10-14-20, Nevada county.

J. C. Buckbee, trustee, obtained a temporary permit to plug and abandon the Harry Ezell No. 1 test, 390 feet north and 330 feet east of the southwest corner of the northeast quarter of the northwest quarter of section 13-17-15, Union county. The King Oil Corporation obtained a permit to plug and abandon the Mann Estate No. 1, 30 feet south and 330 feet east of the northwest corner of the southwest quarter of section 1-16-26, Miller county. The King Oil Corporation also obtained a permit to plug and abandon the G. W. Crank

No. 1 test, 600 feet east and 750 feet south of the northwest corner of the southwest quarter of the northwest quarter of section 19-16-25, Miller county.

The Ozark Natural Gas Corporation obtained a permit to correct location of the J. N. Ewing Estate No. 1, in the center of the southwest quarter of the southeast quarter of section 23-8-30, Sebastian county.

J. R. Lockhart, trustee, filed log of the Abramson No. 1, 969 feet west and 309 feet north of the southeast corner of section 19-18-1W, Monroe county. The Phillips Petroleum Company filed log of the L. W. Harriss No. 1, 660 feet south and 330 feet west of the northeast corner of the southwest quarter of the northeast quarter of section 28-15-15, Ouachita county.

The King Oil Corporation filed log of the Mann Estate No. 1 test, 330 feet south and 330 feet east of the northwest corner of the southwest quarter of section 1-16-26, Miller county.

Tests of Well at Snow Hill Begin

El Dorado — Testing of another well in the Snow Hill area of the Smackover field is now in progress but completion is not expected before some time Tuesday.

The well is the Amanda Cheatham No. 1 of the Phillips Petroleum Company in section 27-15-15. The plug has been drilled and the well washed with water. "Shooting" of the well was scheduled for some time today, and since this operation requires some time, bailing is not likely to start until Tuesday morning.

Field followers are hopeful of completion of a big producer, probably the biggest to date in the Snow Hill area. The well showed indications of production ranging from 1,000 to 1,500 barrels daily in a drill stem test recently. The showing was obtained at a depth of 4,913 feet around the same level from which other wells have been completed in that area.

High Hopes For New Well In Snow Hill

Amanda Cheatham Promising; Berg-Reynolds Capped.

El Dorado—Completion of what may prove to be the best producer yet developed in the Snow Hill deep pool area of the Smackover field is expected within the next few days, with drilling in of the Amanda Cheatham well of the Phillips Petroleum Company, in section 27-15-15.

Though nothing official has been announced, it has been reported here that operators plan to drill the plug on the test Sunday for completion in the next few days.

Casing was set in the well last week after a drill stem test was made that indicated a producer good for 1,000 to 1,500 barrels daily.

The Lion Oil Refining Company this week succeeded in closing in its giant gasser, the Berg-Reynolds No. 1, in section 28-15-15, which ran wild for two weeks, producing about 40,000,000 to 50,000,000 cubic feet of gas daily.

When the well was closed in it began to make a good showing of high gravity oil. Officials of the company announced that the well will be turned into a separator in the next few days and a gauge made of the oil production. Gas from the well is to be used by the Lion Company in operating its pumping wells in the field.

Reports received here Saturday were that the Phillips Company is coring at 5,500 feet on its C. H. Murphy No. 1 wildcat, in the southern end of Bradley county.

The Phillips Company is reported temporarily to have halted operations on the Morgan No. 1 in the Schuler area, in the western end of Union county, for the installation of heavier rig, so that the well may be drilled to a deeper level. The test was at first planned for a depth to the Permian lime formation, as encountered in the Snow Hill sector, but indications now are that it may be taken to a depth of 10,000 feet or more.

Completion of Cheatham 1 Delayed

Special to the Gazette.

El Dorado, Aug. 22.—Completion of what was expected to be the largest

producer in the new Snow Hill area of the Smackover field was delayed this week when a showing of salt water was made in final testing of the Amanda Cheatham No. 1 of the Phillips Petroleum Company, in section 27-15-15, Ouachita county, and operators decided to plug back to a higher level for another test.

Casing was set in the test two weeks ago at a depth of 4,910 feet after a drill stem test was made that indicated a producer of about 1,000 to 1,500 barrels of oil a day. Plug was drilled early this week and the casing "shot," and final testing started Monday. Bailing and swabbing operations then were started and a showing of salt water was obtained Tuesday. Operators then decided to plug back and cement was set in the hole for a testing to be made about 10 feet higher up.

The same process of completion is expected to be used when the well is tested again, probably early next week. The well is the farthest east yet to be drilled in the deep sand area, being northeast of the discovery Reynolds No. 1 of the Phillips company. The test is located in the northwest corner of the southwest quarter of the northeast quarter of section 27-15-15.

8,000,000-Foot Gasser.

The Berg Reynolds No. 1 test of the Lion Oil Refining Company which was placed under control last week after flowing wild as a gasser for two weeks, is flowing through a quarter-inch choke and producing about 8,000,000 cubic feet of gas daily through the choke. No gauge has been made of the distillate that the well is producing but field followers have estimated that the flow will be good for 50 barrels a day.

Officials of the Lion company said that the gas flow is being placed in the company's pipe lines and is being used to operate pumping wells in the Smackover field and to operate the Lion refinery in El Dorado. The test is located in the southeast corner of the southeast quarter of the northeast quarter of section 28-15-15.

To Make Deep Test.

In the Schuler area of Union county, west of El Dorado, the Phillips Petroleum company is drilling at 2,500 feet on the Morgan No. 1 test in section 18-18-17. Though no announcement could be obtained from officials of the company, it was reported here that operators plan to make an 8,000 to 10,000-foot test on the well.

After a temporary shut down the past few days, operators have resumed drilling operations on the C. H. Murphy No. 1 wildcat test in the southern end of Bradley county, in the Perigee lake section. The well, which is being drilled by the Phillips company, is now at a depth of slightly below 5,350 feet. The test is located in the northwest corner of section 12-17-11.

Penn-Ark to Drill.
Rigging up is nearing completion on a test to be drilled in the Rainbow City area east of El Dorado, in Union county, by the Penn-Ark Petroleum Company. No permit has as yet been issued for the test, but drilling operations are expected to be started in a few days. The test is located in section 12-17-14.

Plans for drilling a wildcat test in Dallas county were announced with issuance of a drilling permit to A. F. Tarver for a test on the B. T. Welborn farm, in section 21-9-13. Operations on the test are expected to be started in a few days. The test, to be known as the B. T. Welborn No. 1, is located in the northeast quarter of the southeast quarter of section 21-9-13.

Activity is also being revived in the Urbana field in Union county with plans being made by the McCreslean Oil Company for a test in section 3-18-13. The new test is the Atkins No. 3 and will be located 819 feet north of the south line and 310 feet east of the west line of section 3-18-13.

The East Texas Oil Company is reported making plans for a deep test to be drilled in Columbia county. The well is reported to be planned for a depth of 6,000 feet. It will be located in section 8-17-19.

Hole to Be Plugged.
After drilling to a depth of 1,635 feet without obtaining a showing, Donald Trumbo shut down operations and ob-

tained a permit to plug and abandon the Craddock No. 1 test in the center of the northwest quarter of the northeast quarter of section 3-11-30 in Crawford county.

Seven Permits Issued.
The state Conservation Department this week issued six permits to plug and abandon tests and one permit to plug and perforate. Logs of three wells also were filed.

The Ohio Oil Company obtained permit to plug and perforate in the Riley Furlow No. 2 well, 330 feet north and 300 feet east of the center of section 12-17-14 in Union county.

The Deep Rock Oil Company obtained permit to plug and abandon the Williams No. 1 test, 330 feet south and 176 feet east of the northwest corner of the southwest quarter of the northwest quarter of section 6-16-26, in Miller county.

Proet & Brown obtained permit to plug and abandon the Calion Lumber Company No. 1, 610 feet east and 300 feet north of the southwest corner of the southeast quarter of the southwest quarter of section 22-15-15, in Calhoun county.

S. J. Carnes and associates obtained permit to plug and abandon the wildcat test, Roberson No. 1, in the center of the southwest quarter of the northeast quarter of section 7-12-19, in Ouachita county.

The Standard Oil Company of Louisiana obtained permits to plug and abandon three tests in Union county. They are the J. R. Burns No. 5,190 feet north and 215 feet east of the southwest corner of the northwest quarter of section 31-17-15; the T. J. Thompson No. 1,220 feet south and 200 feet west of the northeast corner of the southeast quarter of the northeast quarter of section 19-18-15, and the Mrs. Lula Hearin No. 1, 200 feet south and 200 feet east of the northwest corner of the northeast quarter of the northwest quarter of section 18-18-15.

J. C. Buckbee, trustee, filed log of the Harry Ezell No. 1 wildcat test, 390 feet north and 330 feet east of the southwest corner of the northeast quarter of the northwest quarter of section 13-17-15, in Union county, which was abandoned temporarily last week at a total depth of 6,003 feet.

The King Oil Corporation filed log of the G. W. Crank No. 1 test, 660 feet east and 750 feet south of the northwest corner of the southwest quarter of the northwest quarter of section 19-16-25, in Miller county.

The S. J. Carnes Drilling Company filed log of the Roberson No. 1 test in the center of the southwest quarter of the northeast quarter of section 7-12-19, in Ouachita county.

Deeper Test In Snow Hill Area Planned

Special to the Gazette.

El Dorado, Aug. 29.—Plans for a deeper test in the Snow Hill area of the Smackover field and wildcat tests being drilled in scattered sections of south Arkansas, held the attention of oil interests in south Arkansas this week, with no outstanding developments being recorded.

The new deeper test in the Snow Hill area is the Arnold No. 1 test of the Phillips Petroleum Company in section 27-15-15. The Arnold crew is reported to have resumed drilling operations after casing was set at a depth of 5,300 feet.

It is reported that operators plan to make a test of the formation below the lime. If no sand is encountered at the lowest level operators are reported planning to plug back to a higher level for a test of formations encountered where the second string of casing was set.

The Arnold well is located in the northwest corner of the northeast quarter of the southwest quarter of section 27-15-15, southwest of the discovery well of the Phillips company in the deep sand area.

The Arnold test is the only well in the Snow Hill area which is being operated following a salt water showing in the Amanda Cheatham test of the Phillips company last week. The Cheatham test is located in the northwest corner of the southwest quarter of the northeast quarter of section 27-15-15. Plans for further operations on the Cheatham test have not been announced by the Phillips company.

The Phillips company, which has been more or less secretive about information on its wells operating in south Arkansas, has clamped down on drilling information and little first hand information can now be obtained on operations on Phillips' wells in this area.

The Reynolds No. 1 discovery well of the Phillips company in section 27-15-15 is reported to be dead, but operators are said to be making plans for efforts to revive it.

In the southern end of Bradley county, near Perigee lake, the Phillips company is reported to be drilling below 5,400 feet on its C. H. Murphy No. 1 wildcat test in the northwest corner of section 12-17-11.

Wildcat Down 3,000 Feet.

The Phillips company is reported to be drilling below 3,000 feet on the Morgan No. 1 wildcat test west of El Dorado, in the Schuler area of Union county, in section 18-18-17.

In the Rainbow City area east of El Dorado, in Union county, the Penn-Ark Petroleum Company has set surface casing in the Raulston No. 1 test in the northeast corner of the northwest quarter of the southeast quarter of section 12-17-14.

The Raulston well is the first to be drilled in the Rainbow City area in several months, and is expected to revive interest in the area and may result in resumption of drilling activities.

Drilling in Urbana Sector.

In the Urbana field, which has proved to be one of the best oil fields in south Arkansas, several producers, the McCreslean Oil Company has started operations on the Atkins No. 3 test in section 3-18-13. The test is located 819 feet north and

310 feet east of the southwest corner of the southwest quarter of the northeast quarter of the section. Reports from the well are that operators are drilling around 2,800 feet and completion of the well is expected next week.

J. C. Buckbee and associates, who recently abandoned a deep test in the Sloan park area of Union county, have announced plans for a wildcat test to be drilled in Columbia county. The test will be the Lelia Cumbie No. 1, and will be located in the northeast corner of the northwest quarter of the northwest quarter of section 17-18-17. Derrick is being built and drilling operations are expected to be started in a few days. No drilling permit has been issued for the test.

Another well attracting interest is the wildcat test being drilled by Wingfield, McCurry & Keever in section 9-17-16. The test was drilled to a depth of 5,016 feet. Operators are said to be planning to plug back to the 4,450-foot level for a test. A good showing was obtained in cores taken at that level.

In Dallas county, near the Cleveland county line and about 10 miles north of Fordyce, A. F. Tarver of Shreveport

is expected to start operations soon on the B. T. Welborn No. 1, in the northeast quarter of the southeast quarter of section 21-9-13.

In Columbia county southeast of Atlanta the Eastern Texas Production Company is ready to start drilling operations on the Kendrick No. 1, in section 7-19-18.

Benendum & Trees are preparing to spud in on the Groves No. 1 wildcat test in section 10-14-20, about three miles east of the old production area, which is expected to be a deep test.

The Montana Realty Company No. 1 of the Joiner Oil Corporation in section 3-17-28, Miller county, has been shut down at 3,105 feet for clearing of titles. Operations are expected to be resumed in a few days.

Three Drilling Permits.

Three drilling permits were issued by the Arkansas Board of Conservation this week and one permit was issued to plug and abandon. Logs of two wells were also filed.

A. F. Tarver of Shreveport obtained permit for the B. T. Welborn No. 1, 330 feet south and 330 feet west of the northeast corner of the northeast quarter of the southeast quarter of section 21-9-13, in Dallas county.

The McCreslen Oil Company obtained permit for the L. Atkins No. 3, 819 feet north and 310 feet east of the southwest corner of the southwest quarter of the northeast quarter of section 3-18-13, in Union county.

The Ozark Natural Gas Company obtained permit for the J. E. Bonner No. 1, in the center of the northwest quarter of the northwest quarter of section 13-8-29, Franklin county.

The Standard Oil Company obtained permit to plug and abandon the M. J. Lacy No. 1, 200 feet north and 670 feet west of the southeast corner of the southwest quarter of section 31-17-15 in Union county.

Proetz & Brown filed log of the Calion Lumber Company No. 1, 610 feet east and 300 feet north of the southwest corner of the southeast quarter of the southwest quarter of section 22-15-15, Calhoun county, and the Lion Oil Refining Company filed log of the Berg-Reynolds No. 1, 534 feet north and 330 feet west of the southeast corner of the southeast quarter of the northeast quarter of section 28-15-15, in Ouachita county.

Thorough Test of Deep Area Planned at Arnold Well.

Special to the Gazette.

El Dorado, Sept. 5.—Scattered tests in various sections of south Arkansas attracted interest of oil field followers this week along with operations on the Arnold No. 1 deep test of the Phillips Petroleum Company in the Snow Hill area of the Smackover field in Ouachita county which operators are drilling deeper below the lime formation.

It is said that the Arnold test will be used for a thorough testing of the Snow Hill deep area formations following disappointing showings made by several tests in the oolitic lime formation around the 5,000-foot level.

Several tests in the Snow Hill area have been plugged and abandoned, and the discovery well of the Phillips company in the area has quit producing. Operators, however, are making efforts to renew the well by plugging back to a higher level.

The Arnold test is drilling below 5,475 feet with coring now in progress. Operations on the test are being taken slowly as a precaution against striking the salt water that has been encountered in several other tests in the area.

The Arnold test is located in the northwest corner of the northeast quarter of the southwest quarter of section 27-15-15.

The Reynolds No. 1 test of the Phillips company, in the southeast corner of the southeast quarter of the northwest quarter of section 27-15-15, the discovery well in the area, last week stopped producing and operators began further operations on the test in an effort to revive the producer. The well

has been plugged back to the top of the lime formation where good showings were obtained when the well first was drilled, and efforts are to be made to complete the test there for a producer.

Three Wells Producing.

Three wells in the area still are producing. The Berg-Reynolds No. 1 test of the Lion Oil Refining Company in the southeast corner of the southeast quarter of the northeast quarter of section 28-15-15, is producing 6,000,000 feet of gas and 40 barrels of oil daily through a quarter inch choke on the tubing. Tubing pressure is 1,200 pounds

and casing pressure is 1,550 pounds.

The Reynolds B-3 test of the Standard Oil Company in the southeast corner of the northwest quarter of the southwest quarter of section 27-15-15, is producing about 30 barrels of oil and several million cubic feet of gas daily through tubing.

Both the Lion and Standard companies are using their gas production to operate pumping wells in other sections of the Smackover field, and the Lion company also is using gas for operation of its refinery in El Dorado.

The L. W. Harriss No. 1 test of the Phillips company in the northeast corner of the southwest quarter of the northeast quarter of section 28-15-15, is producing a small quantity of oil along with water and an unestimated amount of gas daily.

Operations have been abandoned on the Hildebrand test of John Pugh and associates in section 28-15-15.

Operations also are at a standstill on the Amanda Cheatham No. 1 test of the Phillips company in section 27-15-15. Operators are waiting orders at a depth of 4,917 feet.

It was reported this week that the Phillips company plans to plug and abandon the Rose (E. Gette) No. 1 test in the northeast corner of the north half of the southeast quarter of section 28-15-15.

The Phillips company also is reported to be planning to plug and abandon the C. H. Murphy No. 1 wildcat test in the southern end of Bradley county after failing to make a showing after being drilled to below 5,500 feet. The test is located in the northwest quarter of section 12-17-11.

The Penn-Ark Petroleum Company is drilling below surface casing in its Raulston No. 1 test in the northeast corner of the northwest quarter of the southwest quarter of section 12-17-14 in the Rainbow City field east of El Dorado.

In the Schuler area west of El Dorado in Union county the Phillips Petroleum Company is coring below 4,000 feet on the Morgan No. 1 wildcat in section 18-18-17.

In the Lisbon area northwest of El Dorado, Don Keever and associates are preparing to make a test on the Slaughter No. 1 in section 9-17-16 at a depth of 4,460 feet. The well was drilled to a depth of 5,016 without a showing being made, and the well was plugged back to the 4,460-foot level.

Permits Issued.

One permit for a new well was issued by the state Conservation Department this week, one to plug and abandon, one for temporary abandonment and logs of three wells were filed.

The Citizens Gas Company of Fort Smith obtained permit for the J. W. Joyce No. 2, 300 feet east of the state line and 500 feet south of the north line of the northwest quarter of the northwest quarter of section 6-9-32, in Crawford county.

The Petroleum Reclamation Company obtained permit to abandon the M. E. Wilson No. 1, 330 feet north and 150 feet east of the southwest corner of the southwest quarter of the northeast quarter of section 17-17-18, in Columbia county. Ben G. Barnett obtained

permit to plug and abandon the Freeman Smith Lumber Company No. 1, 132 feet east and 145 feet north of the southwest corner of the northeast quarter of the southwest quarter of section 36-15-14, in Calhoun county.

Barnett and the Petroleum Reclamation Company filed logs of their tests and the Deep Rock Oil Corporation filed log of the Williams No. 1, 330 feet south and 176 feet east of the northwest corner of the southwest quarter of the northwest quarter of section 6-16-25, in Miller county.

Urbana Field Has One New Completion

Special to the Gazette.

El Dorado, Sept. 12.—Completion of one well in the Urbana field of Union county and a drilling boom in Dallas and Cleveland counties near Fordyce featured oil activities of South Arkansas during the past week.

Activities in the Snow Hill sector of the Smackover oil field, in Ouachita county have about come to a standstill with work being continued on only a few wells in the area. Activities also were reported on scattered tests in Union, Columbia and Miller counties. Ac-

tivities also are picking up in Hempstead and Dallas counties where several tests are under way and plans made for other operations.

The only completion this week was the Atkins No. 3 of the McCreslen Oil Company in the Urbana area which was completed for a 100-barrel producer. The well is being standardized and will begin pumping in the next few days. The test is located 819 feet north and 310 feet east of the southwest corner of the southwest quarter of the northeast quarter of section 3-18-13.

In the Rainbow City field east of El Dorado the Penn-Ark Petroleum Company has halted operations below surface casing on the Raulston No. 1 in section 12-17-14 while title work is being completed on leases. The test is located in the northeast corner of the northwest quarter of the southwest quarter of the section.

Would Revive Discovery Well.

Operations are being continued by the Phillips Petroleum Company on two of its tests in the Snow Hill area in an effort to revive the Reynolds No. 1 discovery well and to make a producer of the Arnold test.

Operators on the Arnold test were reported to have struck salt at about 5,656 feet and will plug back to a higher level in the Permian lime formation in an effort to complete a gas well or a small oil producer. The test is located in the northwest corner of the northeast quarter of the southwest quarter of section 27-15-15.

The same company has plugged back to a higher level in the Reynolds No. 1 test in the southeast corner of the southeast quarter of the northwest quarter of section 27-15-15, and is bailing and swabbing in an effort to complete the well at that level.

Two wells in the Snow Hill sector still are producing small quantities of oil and large quantities of gas. They are the Berg-Reynolds No. 1 of the Lion Oil Refining Company in the southeast corner of the southeast quarter of the northeast quarter of section 28-15-15, which is making about 20 barrels of oil and 5,000,000 cubic feet of gas a day, and the Reynolds B-3 of the Standard Oil Company, in the southeast corner of the northwest quarter of the southwest quarter of section 27-15-15, which is producing about 20 barrels of oil and 2,500,000 cubic feet of gas a day. Both wells are also making some water.

The Phillips Petroleum Company this week temporarily halted operations on the Morgan No. 1 wildcat test in section 18-18-17 in the Schuler area west of El Dorado at a depth of 4,260 feet.

In the Lisbon area of Union county, northwest of El Dorado, Don Keever and associates are making a test of a sand encountered at 4,460 feet in their Slaughter No. 1, in section 9-17-16. The well had been drilled to a depth of 4,519 feet without a showing being obtained, and was plugged back to the shallower sand.

J. C. Buckbee and associates have started drilling on the Lelia Cumbie No. 1 test in section 17-18-17 in Columbia county, and are drilling at a depth below 1,700 feet. The same operators recently abandoned a test in section 17-17-18 in the same county. The new test is located 330 feet west and 330 feet south of the northeast corner of the northwest quarter of the northwest quarter of the section.

Erwin & Leach obtained permit and are expected to start drilling operations soon on the Red River Land Company No. 1 in the northeast corner of the northeast quarter of the northeast quarter of section 2-17-26 in Miller county.

Hempstead County.

Intensive activity is scheduled to get under way in a short time in Hempstead county with permit issued for one test and acreage being assembled for numerous other tests.

Permit has been issued to the Imperial Oil and Gas Products Company for a test on the Eliza W. Foster land in the southwest corner of the north half of the southwest quarter of section 35-12-26. A 122-foot steel derrick has been erected on the location and rigging up is nearing completion for operations to start soon.

The Buffalo Oil Company is preparing to test its Lafferty No. 2 in section 17-14-24 in Hempstead county at a depth of 2,552 feet. The Conway-Tiller No. 2 of H. D. Easton and associates is drilling below 1,000 feet in section 34-12-27. The same group is assembling acreage on a block two and one-half miles southeast of Fulton for a test.

Three miles east of Hope the Stewart Oil Company is moving materials for the Fee No. 1 test in section 26-12-23.

In Nevada county Benedum & Trees are shut down at 770 feet on their Groves No. 1 wildcat test in section 10-14-20 because of lack of water for drilling and operating boilers.

A. F. Tarver and associates are shut down at 2,135 feet on the Welborn No. 1 test in section 21-9-13 in Dallas county because of lack of water. The test is proposed for 3,000 feet.

Another test in the Fordyce area

causing considerable interest is the proposed test of W. B. Patty on the Lown-Atkinson No. 1 in section 7-10-13. South of Fordyce the L. B. P. Drilling Company has started work on the Hearnberger No. 1, in section 9-11-13, with a contract depth of 2,500 feet. Patty and associates also are planning a test in section 10-10-12 between Fordyce and Kingsland.

Southeast of Fordyce in Cleveland county R. L. Saxon has completed derrick for the Tipton No. 1 in section 13-11-12. East of Edinburgh in section 11-11-11 has set surface casing on the

Diffey test for a 4,000 foot well and two miles northeast of the test. Bon Lockhart is building derrick for a test in section 36-9-11 for a 3,000 foot test.

Week's Permits.

Three permits to drill, eight to plug and abandon and one transfer of permit were issued by the Conservation Department this week. The Pennark Petroleum company obtained permit for the Raulston No. 1, 330 feet east and 330 feet south of the northwest corner of the northwest quarter of the southeast quarter of section 12-17-14 in Union county; the Imperial Oil and Gas Products Company obtained permit for the Eliza W. Foster No. 1, 330 feet north and 138 feet east of the southwest corner of the north half of the southwest quarter of section 35-12-26 in Hempstead county; J. C. Buckbee, trustee, obtained permit for the Lelia Cumbie No. 1, 330 feet west and 330 feet south of the northeast corner of the northwest quarter of the northwest quarter of section 17-18-17 in Columbia county; Permit for the Kendrick No. 1, 330 feet south and 330 feet east of northwest corner of the southeast quarter of section 7-19-18 in Columbia county was transferred to Burford and company by the Eastern Texas Production Company.

The Gulf Refining Company obtained permits to plug and abandon the Graves No. 1, 1,543 feet west and 2,875 feet north of the southeast corner of section 3-16-15, the Graves No. 2, 1,521 feet west and 3,761 feet north of the southeast corner of section 3-16-15, the Graves No. 7, 1,675 feet west and 3,326 feet north of the southeast corner of section 3-16-15, the Alphin No. 5, 1,120 feet south and 200 feet east of the northwest corner of section 11-16-15, the John Berry No. 11, 608 feet west and 414 feet south of the northeast corner of the northwest quarter of section 8-16-15 and the Murphy and Hardy No. 43, 1,120 feet west and 660 feet north of the southeast corner of section 4-16-15 all in Union county and the John Goodwin No. 4, 513 feet south and 2,440 feet east of the northwest corner of section 5-16-15 in Ouachita county. Mr. Brannon obtained permit to plug and abandon the McKinney No. 3 in the northwest corner of the southwest quarter of the southwest quarter of section 30-17-15 in Union county.

Urbana Gets A Producer

9-13-1936 Dem.

McCreslen Well Makes 100 Barrels; Snow Hill Inactive.

El Dorado—Completion of a producer estimated at from 100 to 125 barrels per day by the McCreslen Oil Company in the Urbana field of Union county featured the oil news this week.

Activities in the Snow Hill area is at a standstill with only two wells producing, and efforts being made by the Phillips Company to revive an old producer and complete a gas well on another test. Several wildcat tests in Union and Columbia counties are also attracting attention.

The new well is the Atkins No. 3, of the McCreslen Company, in section 3-18-13, which was completed for a producer and has been placed on the beam.

In section 9-17-16, Don Keever and associates have plugged back to 4,319 feet in their well in an effort to get a producer. Operators were reported planning Saturday to start testing Sunday or in the next few days.

The two wells producing in the Snow Hill area are the Berg-Reynolds No. 1 of the Lion Oil Refining Company which is making about 20 to 30 barrels of oil and 5,000,000 cubic feet of gas daily, and the Reynolds B-3 of the Standard Oil Company, which is producing about 20 barrels of oil and 3,500,000 cubic feet of gas per day.

The Phillips Company is reported to have plugged back to the top of the lime formation in the discovery well, Reynolds No. 1, in section 27-15-15, in an effort to complete a producer at that level, since the well

stopped producing at the lower level.

The same operators are also reported to have made plans to perforate casing at a higher level in the Rose No. 1 in the same area in an effort to make a gas well.

Drilling operations are under way on two wildcat tests in Columbia county. One is the L. Cumbie No. 1 of J. C. Buckbee and associates, in section 7-17-18, drilling at 2,140 feet. The other is the Kendrick No. 1 of the Eastern Texas Petroleum Company, section 7-19-18, drilling at 2,750 feet.

The Phillips Company has temporarily halted drilling on the Morgan No. 1 wildcat in the Schuler area, after drilling below 4,000 feet. The same company has also abandoned the Murphy No. 1 wildcat in the southern end of Bradley county at below 5,000 feet.

Old Snow Hill Well Revives

9/20/1936 Dem.

Discovery Hole Makes 200 Barrels, Gives New Encouragement.

El Dorado—Hopes for good deep sand production in the Snow Hill area of the Smackover field were revived here Saturday on the showing of two wells in that vicinity.

Good showings of high gravity oil and of gas were reported from both wells. One is the discovery well in the deep sand area and the other is a new test that has not reached the completion stage.

The new well is the Arnold No. 1 of the Phillips Petroleum Company, in section 28-15-15. It gives indications of resulting in a good producer, according to reports from the field Saturday. The Arnold well is making both oil and gas, but there is much drilling fluid in the hole and it was difficult to obtain an estimate of possible production.

No showing of salt water has appeared with the high gravity oil and gas that the well is producing. The well is pinched down and it is not expected to complete itself before the first of the week. Field followers were highly encouraged by the showing, and particularly by the fact that no salt water has appeared.

The other well coming in for attention is the J. D. Reynolds No. 1, in section 27-15-15, discovery well of the Phillips. "Dead" for some time the well is now producing more oil than at any time since its completion. It is making at the rate of 200 barrels of oil daily, and is making considerable more fluid and gas. A new type of pump has been installed on the well and officials and others are well pleased with the improved showing.

Although no new tests are in progress in the Snow Hill area, the belief was expressed by some oil men yesterday that the better showing of the two Phillips wells may lead to increased activity in that sector.

An Extensive Wildcat Drilling Campaign Under Way.

9/20/1936

Special to the Gazette.

El Dorado, Sept. 19. — One of the most intensive wildcat drilling campaigns in several years is under way in south Arkansas with test wells being drilled in six counties and other tests being planned.

With the intensive wildcat campaign in several other counties attracting wide attention, the Snow Hill sector of the Smackover field in Ouachita county has dropped from the spotlight, but activities in the area have not ceased altogether and testing of one well in the area at a higher level than previously tested is expected to get under way soon.

At present there are three wells in the area producing an aggregate of about 100 barrels of high gravity oil a day and more than 10,000,000 cubic feet of gas.

Wildcat activities in Columbia, Hempstead, Dallas and Nevada counties are attracting interest of oil scouts and plans are being made for another wildcat test to the Permian lime formation in Bradley county. Drilling is under way on only two tests in Union county, and the Snow Hill area activity was the only drilling reported in Ouachita county this week.

Snow Hill Area.

In the Snow Hill area the Phillips Petroleum Company has completed plugging back on the Arnold No. 1 test in Section 27-15-15 and has perforated the casing at a higher level in the sand and is preparing to make a test in an effort to complete a small oil well or a large gasser. The test was drilled to 5,656 feet and struck salt and then was plugged back to the top of the Permian lime formation where good gas and small oil showings were obtained. The casing then was perforated and operators were expected to test the well at the higher level this week-end. The well is located in the northwest corner of the northeast quarter of the southwest quarter of section 27-15-15.

The Phillips company has plugged back on the Reynolds No. 1 discovery well in the area and is installing pumps in preparation for final testing after a showing was said to have been obtained in the top of the lime. The well had produced varying quantities of oil and large amounts of gas at the lower level but stopped flowing several weeks

ago. The test is located in the southeast corner of the southeast quarter of the northwest quarter of section 27-15-15.

The three wells flowing in the Snow Hill area are the Harriss No. 1 of the Phillips company, in the northeast corner of the southwest quarter of the northeast quarter of section 28-15-15, which is producing about 20 barrels of oil and 3,000,000 cubic feet of gas daily; the Berg Reynolds No. 1 of the Lion Oil Refining Company, in the southeast corner of the southeast quarter of the northeast quarter of section 28-15-15, which has increased its oil production to 45 barrels a day and its gas flow to about 4,500,000 cubic feet, and the Reynolds B-3 well of the Standard Oil

Company, in the southeast corner of the northwest quarter of the southwest quarter of section 27-15-15, which also increased its production to about 30 barrels of oil a day and about 3,000,000 cubic feet of gas.

Rainbow City Field.

In the Rainbow City field east of El Dorado the Penn-Ark Petroleum Company is expected to resume drilling operations in a few days on the Raulston No. 1, in the northeast corner of the northwest quarter of the southwest quarter of section 12-17-14, which was shut down at a depth of 108 feet while title work was being perfected on leases.

Don Keever and associates are coring down for another test on the Slaughter No. 1 well, in Section 9-16-17, in the Lisbon area northwest of El Dorado after testing the well at about 4,460 feet last week.

Columbia County.

J. C. Buckbee and associates are drilling at 2,462 feet in chalk on their Lelia Cumbie No. 1 test in the northeast corner of the northwest quarter of the northwest quarter of section 17-18-17 in Columbia county, west of El Dorado.

Burford & Co. are coring in gray shale at 3,150 feet in the Kendrick No. 1 test, in the northwest corner of the southeast quarter of section 7-19-18, Columbia county.

Dallas County.

Reports were received here on two wildcat tests in Dallas county, one of which is reaching an interesting stage. It is the Welborn No. 1 test of A. F. Tarver and associates which is coring for the Nacatosh sand at 2,409 feet. The test is located in the northeast corner of the northeast quarter of the southeast quarter of section 21-9-13.

The other Dallas county test is the Atkins No. 1 of Walter Lown, trustee, in section 7-10-13, which is waiting setting of surface casing for resumption of drilling operations. The well was spudded in September 14 and 12 1-2 inch surface casing was set at 76 feet.

Nevada County.

Bendum & Trees are reported to have obtained an oil showing in the Nacatosh sand at 1,230 feet in their Groves Land and Timber Company No. 1 test in the north half of the southeast quarter of the northwest quarter of section 10-14-20, Nevada county.

Steele & Warmack have halted drilling operations on the William Haynie

No. 1 test in Nevada county after drilling only 20 feet. Title work on leases is reported to be the cause of the shut-down. The test is located in the southeast corner of the southeast quarter of the northwest quarter of section 6-14-21. Drilling on the test started early this week.

Hempstead County.

Reports were obtained on four tests in Hempstead county and several other tests are expected to be drilling soon. The Buffalo Oil Company has set 4 1-2 inch casing at 2,271 feet on its Lafferty No. 2 test, in section 17-14-24, and has made preparations for testing the well. The bottom of the hole is at 2,451 feet.

The Imperial Oil and Gas Products Company has set 12 1-2 inch surface casing at 229 feet in the Eliza Foster No. 1, in the southwest corner of the north half of the southwest quarter of section 35-12-26.

H. D. Easton et al. are drilling at 2,485 feet on the Conway Tiller No. 2 test, 330 feet north and 330 feet east of the southwest corner of section 34-12-27.

W. E. Stewart of Tyler, Tex., started drilling Monday on the Stewart No. 1 test, in section 31-12-23, four miles east of Hope. The test is expected to be drilled to a depth of 5,000 feet unless oil is encountered at a lesser depth.

G. P. Birdwell of Tyler, Tex., and the Williver Oil Company of Oklahoma are assembling blocks of acreage west of Hope with tests expected to be drilled in the next 90 days. Several other drilling blocks are being assembled in various sections of Hempstead county and other drilling activities are expected to get under way soon.

Bradley County.

The Phillips Petroleum Company is reported to have made location for the Maggie Bird wildcat test to be drilled in section 28-16-12, Bradley county.

Three Permits Issued.

Three permits for new wells were issued by the state Board of Conservation this week. One permit to plug and abandon a test also was issued and logs of two wells were filed.

Erwin, Leach et al. of Texarkana obtained permit for the Red River Farms No. 1 test, 330 feet south and 330 feet west of the northeast corner of the northeast quarter of the northeast quarter of section 2-17-26, in Miller county. The Arkansas-Louisiana Gas Company of Shreveport obtained permit for the L. C. Smith No. 1, 825 feet north and 486 feet east of the southwest corner of the southwest quarter of the southeast quarter of section 10-8-21, in Pope county. Seele & Warmack obtained permit for the William Haynie No. 1, 200 feet north and 200 feet west of the southeast corner of the southeast quarter of the northwest quarter of section 6-14-21, in Nevada county.

The Phillips Petroleum Company obtained permit to plug and abandon the C. H. Murphy No. 1 test, 660 feet south and 660 feet east of the northwest corner of the northwest quarter of section 12-17-11, in Bradley county.

John Pugh filed log of the Hildebrand No. 1 test, 660 feet south and

test of the northeast corner of the southeast quarter of the southeast quarter of Section 28-15-15, in Ouachita county. J. E. Crosbie, Inc., filed log of the M. W. Sullivan No. 6 test, 560 feet east and 800 feet north of the southwest corner of the southeast quarter of the northwest quarter of Section 12-17-14, in Union county.

An Extensive Wildcat Drilling Campaign Under Way.

Special to the Gazette. 9/20/136
El Dorado, Sept. 19. — One of the most intensive wildcat drilling campaigns in several years is under way in south Arkansas with test wells being drilled in six counties and other tests being planned.

With the intensive wildcat campaign in several other counties attracting wide attention, the Snow Hill sector of the Smackover field in Ouachita county has dropped from the spotlight, but activities in the area have not ceased altogether and testing of one well in the area at a higher level than previously tested is expected to get under way soon.

At present there are three wells in the area producing an aggregate of about 100 barrels of high gravity oil a day and more than 10,000,000 cubic feet of gas.

Wildcat activities in Columbia, Hempstead, Dallas and Nevada counties are attracting interest of oil scouts and plans are being made for another wildcat test to the Permian lime formation in Bradley county. Drilling is under way on only two tests in Union county, and the Snow Hill area activity was the only drilling reported in Ouachita county this week.

Snow Hill Area.
In the Snow Hill area the Phillips Petroleum Company has completed plugging back on the Arnold No. 1 test in Section 27-15-15 and has perforated the casing at a higher level in the sand and is preparing to make a test in an effort to complete a small oil well or a large gasser. The test was drilled to 5,656 feet and struck salt and then was plugged back to the top of the Permian lime formation where good gas and small oil showings were obtained. The casing then was perforated and operators were expected to test the well at the higher level this week-end. The well is located in the northwest corner of the northeast quarter of the southwest quarter of Section 27-15-15.

The Phillips company has plugged back on the Reynolds No. 1 discovery well in the area and is installing pumps in preparation for final testing after a showing was said to have been obtained in the top of the lime. The well had produced varying quantities of oil and large amounts of gas at the lower level but stopped flowing several weeks ago. The test is located in the southeast corner of the southeast quarter of the northwest quarter of Section 27-15-15.

The three wells flowing in the Snow Hill area are the Harriss No. 1 of the Phillips company, in the northeast corner of the southwest quarter of the northeast quarter of Section 28-15-15, which is producing about 20 barrels of oil and 3,000,000 cubic feet of gas daily; the Berg Reynolds No. 1 of the Lion Oil Refining Company, in the southeast corner of the southeast quarter of the northeast quarter of Section 28-15-15, which has increased its oil production to 45 barrels a day and its gas flow to about 4,500,000 cubic feet, and the Reynolds B-3 well of the Standard Oil Company, in the southeast corner of the northwest quarter of the southwest quarter of Section 27-15-15, which also increased its production to about 30 barrels of oil a day and about 3,000,000 cubic feet of gas.

Rainbow City Field.
In the Rainbow City field east of El Dorado the Penn-Ark Petroleum Company is expected to resume drilling operations in a few days on the Raulston No. 1, in the northeast corner of the northwest quarter of the southwest quarter of Section 12-17-14, which was shut down at a depth of 108 feet while title work was being perfected on leases.
Don Keever and associates are coring down for another test on the Slaughter No. 1 well, in Section 9-16-17, in the Lisbon area northwest of El Dorado after testing the well at about 4,460 feet last week.

Columbia County.
J. C. Buckbee and associates are drilling at 2,462 feet in chalk on their Lelia Cumbie No. 1 test in the northeast corner of the northwest quarter of Section 17-18-17 in Columbia county, west of El Dorado.
Burford & Co. are coring in gray shale at 3,150 feet in the Kendrick No. 1 test, in the northwest corner of the southeast quarter of Section 7-19-18, Columbia county.

Dallas County.
Reports were received here on two wildcat tests in Dallas county, one of which is reaching an interesting stage. It is the Welborn No. 1 test of A. F. Tarver and associates which is coring for the Nacatosh sand at 2,409 feet. The test is located in the northeast corner of the northeast quarter of the southeast quarter of Section 21-9-13.
The other Dallas county test is the Atkins No. 1 of Walter Lown, trustee, in Section 7-10-13, which is waiting setting of surface casing for resumption of drilling operations. The well was spudded in September 14 and 12 1-2 inch surface casing was set at 76 feet.

Benedum & Trees are reported to have obtained an oil showing in the Nacatosh sand at 1,230 feet in their Groves Land and Timber Company No. 1 test in the north half of the southeast quarter of the northwest quarter of Section 10-14-20, Nevada county.
Steele & Warmack have halted drilling operations on the William Haynie

No. 1 test in Nevada county after drilling only 20 feet. Title work on leases is reported to be the cause of the shut-down. The test is located in the southeast corner of the southeast quarter of the northwest quarter of Section 6-14-21. Drilling on the test started early this week.

Hempstead County.
Reports were obtained on four tests in Hempstead county and several other tests are expected to be drilling soon.
The Buffalo Oil Company has set 4 1-2 inch casing at 2,271 feet on its Lafferty No. 2 test, in Section 17-14-24, and has made preparations for testing the well. The bottom of the hole is at 2,451 feet.

The Imperial Oil and Gas Products Company has set 12 1-2 inch surface casing at 229 feet in the Eliza Foster No. 1, in the southwest corner of the north half of the southwest quarter of Section 35-12-26.

H. D. Easton et al. are drilling at 2,485 feet on the Conway Tiller No. 2 test, 330 feet north and 330 feet east of the southwest corner of Section 34-12-27.

W. E. Stewart of Tyler, Tex., started drilling Monday on the Stewart No. 1 test, in Section 31-12-23, four miles east of Hope. The test is expected to be drilled to a depth of 5,000 feet unless oil is encountered at a lesser depth.

G. P. Birdwell of Tyler, Tex., and the Williver Oil Company of Oklahoma are assembling blocks of acreage west of Hope with tests expected to be drilled in the next 90 days. Several other drilling blocks are being assembled in various sections of Hempstead county and other drilling activities are expected to get under way soon.

Bradley County.
The Phillips Petroleum Company is reported to have made location for the Maggie Bird wildcat test to be drilled in Section 28-16-12, Bradley county.

Three Permits Issued.
Three permits for new wells were issued by the state Board of Conservation this week. One permit to plug and abandon a test also was issued and logs of two wells were filed.

Erwin, Leach et al. of Texarkana obtained permit for the Red River Farms No. 1 test, 330 feet south and 330 feet west of the northeast corner of the northeast quarter of the northeast quarter of Section 2-17-26, in Miller county. The Arkansas-Louisiana Gas Company of Shreveport obtained permit for the L. C. Smith No. 1, 825 feet north and 486 feet east of the southwest corner of the southwest quarter of the southeast quarter of Section 10-8-21, in Pope county. Steele & Warmack obtained permit for the William Haynie No. 1, 200 feet north and 200 feet west of the southeast corner of the southwest quarter of the northwest quarter of Section 6-14-21, in Nevada county.

The Phillips Petroleum Company obtained permit to plug and abandon the C. H. Murphy No. 1 test, 660 feet south and 660 feet east of the northwest corner of the northwest quarter of Section 12-17-11, in Bradley county.

John Pugh filed log of the Hildebrand No. 1 test, 660 feet south and

330 feet west of the northeast corner of the southeast quarter of the southeast quarter of Section 28-15-15, in Ouachita county. J. E. Crosbie, Inc., filed log of the M. W. Sullivan No. 6 test, 560 feet east and 800 feet north of the southwest corner of the southeast quarter of the northwest quarter of Section 12-17-14, in Union county.

330 feet west of the northeast corner of the southeast quarter of the southeast quarter of Section 28-15-15, in Ouachita county. J. E. Crosbie, Inc., filed log of the M. W. Sullivan No. 6 test, 560 feet east and 800 feet north of the southwest corner of the southeast quarter of the northwest quarter of Section 12-17-14, in Union county.

Snow Hill Has Two New Producers

9/22/1936
Special to the Gazette.
El Dorado, Sept. 21.—Completion of one well for a producer that previously had failed to make a showing and revival of another well in the area that had stopped producing, revived interest in the Snow Hill deep area of the Smackover field over the week-end. They brought to five the total number of wells in the area that are producing. Production from the five wells is about 300 barrels of high gravity oil and about 15,000,000 cubic feet of gas daily.

The newest producer is the Arnold No. 1 test of the Phillips Petroleum Company. It had been plugged back to 4,914 feet and casing perforated at that level when the well failed to make a showing at a lower level. The well now is flowing at an estimated rate of 50 barrels of oil and 3,000,000 cubic feet of gas a day through a half-inch choke on the tubing.

Oil "Kicked" Out.
The revived producer is the Reynolds No. 1 of the Phillips Company, in section 27-15-15, the discovery well in the

area which topped its flow several weeks ago. Operators plugged the well back to a higher level in the sand and installed a Reeder pump in the bottom of the hole, and oil is being "kicked" out. The pump is electrical and fits in the bottom of the well and forces the fluid out of the top of the well. The production is about 150 barrels of oil and 2,500,000 cubic feet of gas a day.

The other producing wells in the area are the Berg Reynolds No. 1 of the Lion Oil Refining Company, the Reynolds B3 well of the Standard Oil Company and the Harris No. 1 test of the Phillips company.

The Lion well is producing about 45 barrels of oil a day and 3,500,000 cubic feet of gas. The Standard well's production is estimated at 30 barrels of oil and 3,500,000 cubic feet of gas a day.

The Harris test of the Phillips company is producing an estimated 20 barrels of oil and 2,000,000 cubic feet of gas.

No showing of salt water has been made in either of the latest producers, and field followers were pleased with the showing the wells made. Though no new tests have been announced for the area, the good showing of the latest wells is expected to revive drilling.

Much Interest Shown in New Wildcat Test

El Dorado—Much interest is being shown here in a new wildcat test to be drilled in the vicinity of Moro Bay, Bradley county. Plans for drilling the test were revealed after permit had been obtained from the El Dorado office of the Arkansas board of conservation.

The wildcat will be drilled by a well-known El Dorado operator and producer, Joe Modisett. The well will be known as the Brown Estate No. 1 and will be located in the northeast quarter of the northwest quarter of section 28-16-12.

It is understood that drilling will begin soon.

For a number of years there has been much interest in that portion of Bradley county, several blocks of leases having been obtained. This will be the second deep test in Bradley county this year, the Phillips Petroleum Company having recently abandoned a test after taking it below 5,000 feet.

Permits for two other wildcat tests were announced from the office of C. E. Harris, chief conservation agent. One calls for a well by Walter Lown and associates, Atkinson No. 1 in the northeast corner of the northwest quarter of the southeast quarter of section 7-10-13, Dallas county, six miles north of Fordyce. It reported operators have started drilling.

The third permit went to C. W. Hays, who plans a test in the bed of Red river in Hempstead county. Hays' well will be known as the State of Arkansas No. 2, in the southwest quarter of the southwest quarter of section 18-14-25.

In the Snow Hill area production from five wells remains about the same. Best of the five is the recently revived J. D. Reynolds No. 1, discovery well of the Phillips Petroleum Company, section 27-15-15, showing about 150 barrels of oil daily along with a bigger flow of water. It is also making some gas.

Three Drilling Permits Issued By Conservation Board

9/24/136
Special to the Gazette.
El Dorado, Sept. 23.—Three drilling permits for new tests in south Arkansas were issued today by the state Conservation Department, each test being in a different county. Of chief interest to El Dorado oil interests is a permits issued to Joe Modisett for a test to be drilled near Moro Bay, in Bradley county. The test will be known as the Brown Estate No. 1, and is to be located in the northeast quarter of the northwest quarter of Section 28-16-12. No information could be obtained today as to when drilling operations would be started.

Walter Lown and associates obtained

a permit to drill the Atkinson No. 1, in the center of the northeast quarter of the northwest quarter of the southeast quarter of Section 7-10-3, six miles north of Fordyce. Operators are said to have started drilling operations.

C. W. Hays received a permit to drill a test in the bed of the Red river in Hempstead county. The test will be known as the State of Arkansas No. 2, and is located in the southwest quarter of southwest quarter of Section 18-14-25.

Activity In Snow Hill Continues

9/27/1936
Special to the Gazette.

El Dorado, Sept. 26.—With completion of one well which previously had failed to make a showing and revival of another producer that had stopped flowing, the Snow Hill deep sand area of the Smackover field in Ouachita county regained the spotlight of oil interest in south Arkansas this week. The two latest producers bring to five the number of wells in the area that are producing

from the Oolitic lime formation. The wells are making 310 barrels of oil and 15,500,000 cubic feet of gas a day.

Sharing the interest with the Snow Hill activity are wildcat operations in six counties of south Arkansas, some of which are nearing interesting stages. Wildcat activities are now being carried on in Columbia, Dallas, Nevada, Hempstead, Cleveland and Miller counties.

Arnold No. 1 Producing.

The newest producer in the Snow Hill area is the Arnold No. 1 test of the Phillips Petroleum Company, in the northwest corner of the northeast quarter of the southwest quarter of section 27-15-15, which was completed for a producer of about 50 barrels of oil and about 3,000,000 cubic feet of gas a day. The test had been drilled to a total depth of 5,656 feet where salt was encountered and operators plugged back to the top of the lime formation at about 4,914 feet where casing was perforated and the well complete from the top of the lime where a showing had been obtained in the early drilling stages of the well.

Reynolds No. 1 Revived.

The revived well is the Reynolds No. 1 of the Phillips Petroleum Company, the discovery well in the area, in the southeast corner of the southeast quarter of the northwest quarter of section 27-15-15.

After producing varying quantities of oil and large quantities of gas for a considerable time the well stopped its flow. Operators then decided to plug the test back to the top of the lime formation and complete it again from that level. The hole was plugged and the casing perforated and the well made a showing but did not flow.

A Reeder pump operated by electricity then was placed in the bottom of

the hole and oil is now being "kicked" out of the well at the rate of about 150 barrels a day. The well also is making about 2,500,000 cubic feet of gas a day.

Production has increased slightly on the Berg-Reynolds No. 1 test of the Lion Oil Refining Company, in section 28-15-15, which is producing about 60 barrels of oil and 4,500,000 cubic feet of gas a day. The test is located in the southeast corner of the southeast quarter of the northeast quarter of the section.

The Reynolds B-3 test of the Standard Oil Company, in the southeast corner of the northwest quarter of the southwest quarter of section 27-15-15, is flowing about 30 barrels of oil and 3,500,000 cubic feet of gas a day, and the Harriss No. 1 test of the Phillips Petroleum Company, in the northeast corner of the southwest quarter of the northeast quarter of section 28-15-15, is flowing about 20 barrels of oil and 2,000,000 cubic feet of gas.

Two Tests in Union.

Only two tests are being drilled in Union county. In the Rainbow field east of El Dorado the Penn-Ark Petroleum Company is waiting on drill stem at a depth of 1,146 feet on its Raulston No. 1, in the northeast corner of the northwest quarter of the southwest quarter of section 12-17-14.

In the Lisbon area northwest of El Dorado, Don Keever has encountered difficulties which prevented him from making a test in the middle of the week on his Slaughter No. 1, in section 9-16-17. After being plugged back from a deeper level the hole was reamed down to 4,450 to 4,460 feet where a showing was made and testing was to have started Wednesday but was delayed.

Two tests are being drilled in the eastern part of Columbia county and a third test that was abandoned several months ago is expected to be resumed in a short time.

Burford & Co. are coring in sandy shale at 3,318 feet in the Kendrick No. 1 test, in the northwest corner of the southeast quarter of section 7-19-18.

J. C. Buckbee and associates are waiting orders at 2,747 feet on their Lelia Cumbie No. 1 test, in the northeast corner of the northwest quarter of the northwest quarter of section 17-17-18. The well was coring in sandy shale when drilling operations were halted.

With completion of a well at Cotton Valley, in northwest Louisiana recently, interest is being revived in drilling possibilities in the southern part of Columbia county. The Southern States Gas Company is reported planning to resume drilling operations on the Pine Wood Lumber Company No. 1 test, in section 10-20-22, 20 miles north of Cotton Valley, which was shut down at a depth of 1,904 feet six months ago.

Miller County.

In Miller county Erwin & Leach are waiting on cement after setting 12-inch casing at 447 feet in their Red River Farms No. 1 test, in the northeast corner

of the northeast quarter of the northeast quarter of section 2-17-26. In the same county C. V. Lenz is reported preparing to rig up to drill on the old May B. Dale No. 7 test in section 24-15-26 which was shut down at 2,867 feet.

Eight miles south of Texarkana, Hinson & Joiner are coring ahead below 4,850 feet in the Montana Realty Company No. 1, in section 3-17-28, after reporting an oil saturate section that was believed too tight for production.

McClannahan et al. are reported to be drilling below 5,440 on the Miller Land and Lumber Company No. 1 test, in section 2-18-28, also in Miller county.

Dallas County.
In Dallas county A. F. Tarver and associates are drilling in sandy shale at 3,050 feet on the Welborn No. 1 test, in the northeastern corner of the northeast quarter of southeast quarter of section 21-9-13. Walter Lown is waiting the

setting of cement on surface casing on the Atkinson No. 1 test, in the center of the northeast quarter of the northwest quarter of the southeast quarter of section 7-10-13, six miles north of Fordyce. Twelve-inch surface casing was set at 76 feet.

Nevada County.

In Nevada county Benedum & Trees have set 13-inch casing at 1,470 feet in their Groves Land and Timber Company No. 1 after a showing was said to have been obtained which failed to produce. The test, in the north half of the southeast quarter of the northwest quarter of section 10-14-20, is planned for a depth of 4,000 or 5,000 feet.

Steele & Warmack still are shut down on their William Haynie No. 1, in the southeast corner of the southeast quarter of the northwest quarter of section 6-14-20, in Nevada county, after drilling only 20 feet. Title work on leases is reported to be the difficulty.

Cleveland County.

In Cleveland county Lockhart and associates have started drilling on one test and are making preparations to start another. One hundred feet of surface casing has been set on the Rose No. 1 test, in section 11-11-11, and preparations are being made to resume drilling. The same operators are drilling a water well preparatory to rigging up for a test to known as the Roberson No. 1, in section 36-10-11, in the same county.

Hempstead County.

Four wells are being drilled in Hempstead county, and operations are expected to get under way soon on two more. The Buffalo Oil Company has set casing at 2,443 feet with bottom of the hole at 2,470, on the Lafferty No. 2, in section 17-14-24, three miles south of Hope. The Imperial Oil and Gas Products Company is coring at 2,100 feet in the Eliza Foster No. 1, in the southwest corner of the north half of the southwest quarter of section 35-12-26.

H. D. Easton et al. are coring at 2,670 feet in the gray blue shale in the Conway-Tiller No. 2, in the southwest corner of section 34-12-27.

W. E. Stewart has set 10-inch surface casing at 70 feet in the Fee No. 1, in section 31-12-23, four miles east of Hope.

The Dixie Drilling Company is rigging up for a test to be known as the Wheatley No. 1, in section 14-11-26. Hempstead county, and C. W. Hays will drill a test in the bed of the Red river in Hempstead county to be known as the State of Arkansas No. 2, in the southwest quarter of the southwest quarter of section 18-14-25.

Bradley County.

Another wildcat test to be started soon in south Arkansas will be the Brown estate No. 1 of the Phillips company, in the northeast quarter of the northwest quarter of section 28-16-12, Bradley county, near Moro Bay. The well will be drilled by Joe Modisett.

Week's Permits.

One permit to plug and abandon and two to abandon temporarily were issued by the state Conservation Board this week. Two corrections of location were filed and logs of two wells were also filed.

The Phillips Petroleum Company obtained permit to plug and abandon the Amanda Cheatham No. 1 test, in the northwest corner of the southwest quarter of the northeast quarter of section 27-15-15, Ouachita county. The same company obtained permits to abandon temporarily the E. Gette No. 1 test, in the northeast corner of the north half of the southeast quarter of section 28-15-15, Ouachita county, and the Edna Morgan No. 1, 1,980 feet north and 4,237 feet east of the southwest corner of the southwest quarter of section 18-18-17, Union county.

Steele & Warmack filed correction of location for the William Haynie No. 1 test, 200 feet north and 200 feet west of the southeast corner of the southeast quarter of the northwest quarter of section 6-14-20, Nevada county, and J. C. Buckbee, trustee, filed correction of location on the Lelia Cumbie No. 1, 330 feet west and 330 feet south of the northeast corner of the northwest quarter of section 17-17-18, Columbia county.

W. B. Streett filed log of the Rath & Cartier No. 1, 330 feet north and 330 feet east of the southwest corner of the southwest quarter of the northeast quarter of section 35-13-18, Ouachita county. The Phillips Petroleum Company filed log of the C. H. Murphy No. 1, 660 feet south and 660 feet east of the northwest corner of the northwest quarter of section 12-17-11, Bradley county.

El Dorado, Oct. 3.—No new completions were reported in south Arkansas oil circles this week, although several tests in scattered sections of the area are nearing interesting stages and unconfirmed reports have been received here that other tests will be drilled in the Snow Hill deep area of the Smackover field in Ouachita county.

The five wells in the Snow Hill area this week maintained their average production of last week, indicating that there is a steady flow of oil and gas in the Oolitic lime formation which thus far has failed to develop into the large scale production indicated when the first two wells were completed several months ago.

Interest in Wildcats.

Wildcat interests in Columbia, Miller, Nevada, Hempstead, Dallas and Cleveland counties continue to attract attention, and another wildcat operation in Bradley county started this week also places that county in the wildcat lime-light.

Union and Ouachita counties, with the exception of the Snow Hill sector, are attracting little or no attention of the oil fraternity with only two wells being drilled in Union county and none in Ouachita.

Of the five wells producing in the Snow Hill sector, the Reynolds No. 1 of the Phillips Petroleum Company, the discovery well in the area, continues to be the largest producer with about 150 barrels of oil and 2,500,000 to 3,000,000

cubic feet of gas a day. After failing to flow, the well was revived by installation of a Reeder pump in the bottom of the hole. The well is located in the southeast corner of the southeast quarter of the northwest quarter of Section 27-15-15.

The Berg-Reynolds No. 1 test of the Lion Refining Company in the southeast corner of the southeast quarter of the northeast quarter of Section 28-15-15 is flowing about 60 barrels of oil and 5,000,000 cubic feet of gas a day.

The Arnold No. 1 of the Phillips company, in the northwest corner of the northeast quarter of the southwest quarter of Section 27-15-15, is producing 50 barrels of oil and 3,000,000 cubic feet of gas daily. The Reynolds B-3 well of the Standard Oil Company, in the southeast corner of the northwest quarter of the southwest quarter of Section 27-15-15, is producing about 40 barrels of oil and 3,500,000 cubic feet of gas daily. The Harriss No. 1 test of the Phillips company, in the northeast corner of the southwest quarter of the northeast quarter of Section 28-15-15, is flowing about 25 barrels of oil and 2,000,000 cubic feet of gas daily.

The Phillips company is reported to be contemplating starting drilling operations soon on the Farris No. 1 test in the Snow Hill area. Location was made and rigging up started on the Farris test several weeks ago, but drilling was held up pending outcome of the testing of several other tests of the company. Since that time, two tests of the Phillips company in the area, the E. Gette No. 1 and the Amanda Cheatham No. 1, have been abandoned by the company.

Of chief interest in Union county is the Slaughter No. 1 of Don Keever and associates in the old Lisbon field area, northwest of El Dorado, where testing of a showing at 4,460 feet is expected to be made soon. Some difficulties were encountered in plugging back in the hole to the higher level, and it was necessary to re-cement the hole. The test is expected to be reamed down for a test in a few days. The test is located in Section 9-16-17.

The Penn-Ark Petroleum Company still is shut down at 1,146 feet on its Raulston No. 1 test in the northeast corner of the northwest quarter of the southwest quarter of Section 12-17-14.

Columbia County.

Two tests in Columbia county were this week reported to be nearing interesting stages. The Kendrick No. 1 well of Burford & Co., in the northwest corner of the southeast quarter of Section 7-19-18, is drilling below 4,100 feet in shale, while the Lelia Cumbie No. 1 of J. C. Buckbee, trustee, and associates in the northeast corner of the northwest quarter of the northwest quarter of Section 17-17-18, is coring at 3,085 feet in shale and sand.

In the same county the Southern States Gas Company is reported planning to resume drilling operations on the Pine Wood Lumber Company No. 1 test, in Section 10-20-22, 20 miles north of Cotton Valley, La., where a deep well recently was completed. The Columbia county test was abandoned about six months ago at a depth of 1,905 feet.

Miller County.

Erwin & Leach are waiting the setting of cement on surface casing in their Red River Farms No. 1 test, in the northeast corner of the northeast quarter of the northeast quarter of Section 2-17-26, in Miller county. C. V. Lenz has resumed drilling operations on his old May B. Dale No. 7 test in Section 24-15-26, Miller county, which was abandoned at 2,867 feet. The test this week was reported drilling in anhydride below 3,000 feet.

South of Texarkana, Hinson & Joiner are coring in blue shale at 5,037 feet in their Montana Realty Company No. 1 test, in Section 3-17-28. McClannahan and associates are coring in green and gray shale at 6,037 feet in their Miller Land and Lumber Company No. 1 test, in Section 2-18-28, also in Miller county.

Dallas County.

Operation in Dallas county were near a standstill this week with one well being abandoned and the other being shut down for refinancing. The Welborn No. 1 test of A. F. Tarver and associates was reported to have been abandoned at 3,056 feet after failing to make a showing. The test was located in the northeast corner of the northeast quarter of the southeast quarter of Section 21-9-13. Drilling operations are reported to have been halted on the Atkinson No. 1 of Walter Lown and associates after surface casing was set, until the test is refinanced. The well is located in the center of the northeast quarter of the northwest quarter of the southeast quarter of Section 7-10-13.

Nevada County.

No report could be obtained from the Groves Land and Timber Company No. 1 test of Benedum and Trees in the north half of the southeast quarter of the northwest quarter of Section 10-

14-20, Nevada county, after casing was set at 1,470 feet after a showing was said to have been obtained. Steele & Warmack are waiting on cement after setting surface casing on their William Haynie No. 1 test, in southeast corner of the southeast quarter of the northwest quarter of Section 6-14-20, also in Nevada county.

Cleveland County.

Lockhart and associates are waiting cement after setting casing at 100 feet on their Rose No. 1 test, in Section 11-11-11, Cleveland county, and are rigging up for the Roberson No. 1 test in Section 36-10-11 in the same county.

Hempstead County.

The Buffalo Oil Company was reported to have obtained salt water in a test of the Lafferty No. 2 test, at 2,462 feet, in Section 17-14-24, three miles south of Hope, Hempstead county. The Imperial Oil and Gas Company is drilling in blue shale and shell at 2,330 feet in its Eliza Foster No. 1 test, in the southwest corner of the north half of the southwest quarter of Section 25-12-26, in the same county.

Also in Hempstead county H. D. Easton and associates are coring at 2,947 feet in red gumbo in their Conway Tiller No. 2, in the southwest corner of Section 34-12-27, and W. E. Stewart is drilling at 1,010 feet on his Fee No. 1, in Section 31-12-23, four miles east of Hope. C. W. Hays has shut down after drilling 50 feet on his State of Arkansas No. 2 test, in the southwest quarter of the southwest quarter of Section 18-14-25, Hempstead county.

Bradley County.

A wildcat test destined to attract considerable attention of El Dorado interests is the Brown Estate No. 1 test of the Phillips Petroleum Company, being drilled by Joe Modisett near Moro Bay, in Bradley county. The test is at a depth of 600 feet. Preparations are being made to set surface casing. The test is located in the northeast quarter of the northwest quarter of Section 28-16-12.

Drilling Permits.

Five drilling permits and four to plug and abandon tests were issued by the state Conservation Department this week. Logs of five wells were also filed with the department.

C. W. Hays obtained permit for the State of Arkansas No. 2 in the southwest quarter of the southwest quarter of Section 18-14-25 in Hempstead county. Walter Low, trustee, obtained permit for the Atkinson No. 1 in the center of the northeast quarter of the northwest quarter of the southeast quarter of Section 7-10-13, Dallas county. Joe Modisett obtained permit for the Brown Estate No. 1, 330 feet south and 660 feet west, of the northeast corner of the northeast quarter of the northwest quarter of Section 28-16-12, Bradley county. W. E. Stewart obtained permit for the W. E. Stewart No. 1, 350

feet north and 400 feet west of the southeast corner of the northeast corner of the northeast corner of Section 31-12-23, Hempstead county. The Ozark Natural Gas Company obtained permit for the Mrs. Sarah Girard No. 1, 660 feet east and 1,000 feet north of the southwest corner of the northwest corner of the northeast quarter of Section 21-7-30, in Sebastian county.

The Louisiana Iron and Supply Company obtained permits to plug and abandon the E. L. Beck No. 1, 150 feet north and 150 feet east of the southwest corner of the southwest quarter of the southeast quarter of Section 33-15-26, the E. V. Olivet No. 1, 150 feet south and 150 feet east of the northwest corner of the northeast quarter of the northeast quarter of Section 4-16-26 and the Ben F. Smith No. 1, 150 feet north and 150 feet west of the southeast corner of the southeast quarter of the southwest quarter of Section 33-15-26, all in Miller county. Mr. Brannon obtained permit to plug and abandon the Goodwin No. 3, in the southwest quarter of the northwest quarter of Section 31-17-15 in Union county.

The Phillips Petroleum Company filed logs of the B. T. Welborn No. 1, 330 feet south and 330 feet west of the northeast corner of the northeast quarter of the southeast quarter of Section 21-9-13, Dallas county. The McCreslenn Oil Company filed log of the Atkins No. 3, 519 feet north and 310 feet east of the southwest corner of the southwest quarter of the northeast quarter of Section 3-18-13 in Union county.

Output In Snow Hill Increases

Special to the Gazette.

El Dorado, Oct. 10.—With one well reported to have made a favorable showing and permits issued for four more tests in the same section, Nevada county took the spotlight of oil interest in south Arkansas this week. The Snow Hill deep area of Ouachita county in the Smackover field continues to attract attention as the production of the five wells there has increased. Scattered wildcat tests in various counties of the state are also attracting attention with particular interest being shown in two tests in Miller county.

The test that is the center of interest at present is the Groves Land and Timber Company No. 1 of Benedum and Trees in Nevada county. The well is located on the edge of the old Irma field in the north half of the southeast quarter of the northwest quarter of section 10-14-20.

Several weeks ago the operators obtained a good oil and gas showing in the Nacatosh sand at 1,235 feet. At that level, a showing of 30,000,000 cubic feet of gas daily was obtained and an oil sand about 14 or 15 feet was cored. However, after a drill stem test, operators were said to have been of the opinion that the sand was not porous enough for good production and decided to drill deeper.

Good Showing Reported.

Thirteen and three-eighths inch casing was set at 1,470 feet and drilling resumed. This week the test was reported to have encountered the Woodbine sand at 2,214 feet to 2,260 feet. Although the well is "tight" and operators are not releasing any information, it was reliably reported here that the showing was the "best ever obtained in this area." The well has now been closed down for perfection of titles and other lease work before further testing is started. Operators are also said to be waiting further orders from the home office. It is expected that the test will be completed in about two weeks.

Interest in the test and the area was enlivened this week with the issuance of permits by the Arkansas State Conservation Department of four new tests to be drilled in the same section as the Benedum and Trees test. The four tests are to be drilled by L. M. Glasco of Tyler, Tex., in the four corners of a 40-acre tract off-setting the Benedum and Trees test. All of the tests are to be on the Ritchie farm. The wells will be known as the Ritchie No. 1, Ritchie No. 2, Ritchie No. 3 and Ritchie No. 4. The No. 1 test is to be located in the center of the northwest quarter of the northwest quarter of the southeast quarter of section 10-14-20. The No. 2 test will be located in the center of the northeast quarter of the northwest quarter of the southeast quarter of section 10-14-20. The No. 3 test will be located in the center of the southwest quarter of the northwest quarter of the southeast quarter of section 10-14-20, and the No. 4 test will be located in the center of the southeast quarter of the northwest quarter of the southeast quarter of section 10-14-20. No information could be obtained here as to when the four new tests will be started.

Also being watched closely after the showing of the Benedum and Trees test is the William Haynie No. 1 of Steel and Warmack in the same vicinity. The operators are reported to have resumed drilling operations after the setting of surface casing. The test is located in the southeast corner of the southeast quarter of the northwest quarter of section 6-14-20.

It is expected that if the Benedum and Trees should make a good production considerable drilling activity in that section of Nevada county will result. Trading in leases and royalties in the area already is reported to have increased on the reported good showing of the Benedum and Trees test.

Miller County.

In Miller county, the Joiner Oil Corporation and Odell Hinson are drilling below 5,500 feet on their Montana Realty Company No. 1 in section 3-17-18, eight miles south of Texarkana. The test is being watched with considerable

interest, as the zone producing at Rodessa in north Louisiana is expected to be encountered in the next few hundred feet. Cores taken from the test are said to check favorably with the Rodessa area.

Also watched with interest is the Miller Land and Lumber Company No. 1 of McClannahan and associates, which is coring in shale below 6,065 feet. Erwin and Leach are reported to have resumed drilling operations on their Red River Farms No. 1 in the northeast corner of the northeast quarter of the northeast quarter of section 2-17-26.

Ouachita County.

In the Snow Hill area of the Smackover field in Ouachita county, the Reynolds discovery well of the Phillips Petroleum Company in the southeast corner of the southeast quarter of the northwest quarter of section 27-15-15 has increased its production to about 200 barrels of high gravity oil and 2,500,000 cubic feet of gas per day. Other tests in the area and their production are: Berg-Reynolds No. 1 of the Lion Oil Refining Company, in the southeast corner of the southeast corner of the northeast quarter of section 28-15-15, producing 65 barrels of oil and 5,000,000 cubic feet of gas daily; the Arnold No. 1 of the Phillips Petroleum Company in the northwest corner of the north east quarter of the southwest quarter of section 27-15-15, producing about 50 barrels of oil and 3,000,000 cubic feet of gas daily; the Reynolds B-3 of the Standard Oil Company, in the southeast corner of the northwest quarter of the southwest quarter of section 27-15-15 is producing 40 barrels of oil and 3,500,000 cubic feet of gas daily and the Harriss No. 1 of the Phillips company in the northeast corner of the southwest quarter of the northeast quarter of section 28-15-15 is producing 35 barrels of oil and 2,000,000 cubic feet of gas daily.

Union County.

In the Lisbon area of Union county, northwest of El Dorado, Don Keever and associates are reported to have

abandoned the Dumas No. 1 in section 9-16-17, after failing to complete a producer after a showing was said to have been obtained at 4,460 feet. The Penn Ark Petroleum Company is drilling below surface casing in its Raulston No. 1 in the northeast corner of the northwest quarter of the southwest quarter of section 12-17-14 in Union county.

Columbia County.

In Columbia county, Burford and Company are nearing the Rodessa pay zone in their Riley-Kendrick No. 1 test in the northwest corner of the southeast quarter of section 7-19-18 at a depth below 4,200 feet. The well may be carried to the Travis peak. Rumors still persist that Southern States Gas Company will resume operations shortly on its abandoned Pine Wood Lumber Company No. 1 in section 10-20-22 north of Cotton Valley, La., which was abandoned at a depth of 1,905 feet six months ago.

Joe Modisett is drilling well below surface casing in his Brown estate No. 1 test for the Phillips Petroleum Company in the northeast quarter of the northwest quarter of section 28-16-12 in the Moro Bay area of Bradley county. The test is to be a deep test to the Oolitic lime formation.

In addition to the four new drilling permits the State Conservation Board issued five permits to plug and abandon tests, one to plug and perforate to the Primm sand and two corrections of location. The Standard Oil Company obtained permit to plug and perforate to the Primm sand in the M. W. Hardy et al in the southwest corner of lot 4, in the northeast quarter of section 5-16-15 in Ouachita county.

C. W. Hays et al. filed correction of location for the State of Arkansas No. 2 which is located 495 feet north and 214 feet east of the southwest corner of the northwest quarter of the southwest quarter of section 18-14-25 in Hempstead county. Joe Modisett filed correction of location for the Brown estate No. 1, which is located 330 feet south and 660 feet west of the northeast corner of the northwest quarter of the northeast quarter of section 28-16-12 in Bradley county.

A. F. Tarver obtained permit to plug and abandon the Welborn No. 1 in the northeast corner of the northeast quarter of the southeast quarter in section 21-9-13 in Dallas county; F. F. Martin obtained permit to plug and abandon the A. J. Fallert No. 1 in the southeast corner of the southeast quarter of the northwest quarter of section 17-14-24 in Hempstead county; Earl Patterson obtained permit to plug and abandon the Stephens No. 1 in section 7-17-14 in Union county; the Standard Oil Company obtained permits to plug and abandon the Lula Hearin "B" 3 in section 18-18-15 in Union county and the R. P. Combs "B" 6 in section 18-18-15 in Union county.

Arkansas Wildcat Watched.

Another Arkansas wildcat watched was Joiner Oil Corporation et al.'s Montana No. 1, section 3-17-28, Miller county, eight miles south of Texarkana which cored ahead to test other Rodessa producing levels after reporting a strong gas show and trace of oil from what corresponds to the Hill at Rodessa at 5,554 feet.

In Louisiana, interest centered on J. W. Leonard et al.'s Courtney 1, section 5-17-7, Bienville parish wildcat seeking Travis Peak production, as it was running casing at total depth of 7,313 feet, to test several shows reported in cores in the last 200 feet.

The southwest flank test of the United Gas Public Service Company in the Sligo gas district of Bossier parish at Skannal No. 1, section 26-17-12, cored slowly ahead from 5,190 feet after three drill stem tests from 5,175 to 90 feet showed gas with fair trace of oil. The field has had nearly a dozen tests drilled this year in search of oil on its flanks.

Interest Centers On Nevada Well

Special to the Gazette.

El Dorado, Oct. 17.—Nevada county continues to hold the spotlight of interest of the oil fraternity in south Arkansas this week, though no actual operations were reported to be under way in that county. Chief interest centers in the Groves Land and Timber Company No. 1 test of Benedum and Trees on the edge of the old Irma field in section 10-14-20, which is reported to have made a good showing in the Woodbine sand.

No information has been released by the operators and the only news of the well is reports of various oil men and scouts in this area. Operators have built a fence around the well and spectators are not allowed within about a quarter of a mile of the test.

However, it was reported that a drill stem test of the well was made early this week for an official of Benedum and Trees from Pittsburgh, Pa., and the showing was reported to have been "very satisfactory." The test was said to have shown 800 feet of oil in a 25-minute test from a depth of 2,248 to 2,278 feet.

The test, which is located in the north half of the southeast quarter of the northwest quarter of section 10-14-

20, four miles south of the old Irma shallow flow, was originally planned for a deep test.

The well made a showing of 30,000,000 cubic feet of gas in the Nacatosh sand at 1,225 to 1,285 feet and tested dry in the Ozan sand at 1,960 feet, reports say.

Thirteen-inch casing was set at 1,470 feet and the new sand was encountered at 2,248 feet.

No operations have been reported from the well since the drill stem test, though other reports have been circulated that the well had been estimated at good for production of 500 barrels of oil daily of 21 degrees gravity, and from 5,000,000 to 8,000,000 cubic feet of gas daily.

Four New Tests Adjoining.

On a 40-acre tract of land adjoining the Benedum and Trees test in the same section, L. M. Glasco of Tyler, Tex., has made locations for four new tests and has the derrick erected for one test and is reported to be installing rig for the test.

Derrick has been erected for the Ritchie No. 1 test located in the center of the northwest quarter of the northwest quarter of the southeast quarter of section 10-14-20. Other locations made by Mr. Glasco are the Ritchie No. 2, located in the center of the northeast quarter of the northwest quarter of the southeast quarter of section 10-14-20; the Ritchie No. 3, in the center of the southwest quarter of the northwest quarter of the southeast quarter of section 10-14-20, and the Ritchie No. 4, located in the center of the southeast quarter of the northwest quarter of the southeast quarter of section 10-14-20.

Also holding interest in the southern part of the state is the Montana Realty Company No. 1 of the Joiner Oil Corporation and Odell Hinson, which is reported coring around 5,600 feet in a sand corresponding to the Hill sand in the Rodessa field. Showings of gas are reported to have been obtained and operators are planning to continue coring to test other Rodessa levels. The test is located in section 3-18-18, eight miles south of Texarkana.

In the same county McClannahan and associates are reported below 6,200 feet in their Miller Land and Lumber Company No. 1 in section 2-18-28 and are reported nearing the Travis peak.

Northeast of the Garland City area C. V. Lenz is reported drilling below 3,895 in his Dale No. 7 test in section 24-15-26.

Columbia County.

In Columbia county, the Eastern Texas Production Company is reported to be drilling below 4,200 feet in the lower Glen Ross in the Kendrick No. 1 test in the northwest corner of the southeast quarter of section 7-19-18. J. C. Buckbee and associates are reported to be temporarily shut down at 3,174 feet on their Lelia Cumbie No. 1 test in the eastern part of Columbia county, near the Union county line.

Hempstead County.

In Hempstead county, the Imperial Oil and Gas Company is reported to be drilling below 2,800 feet on its Foster No. 1 in section 25-12-26. The Fee No. 1 of the Stewart Oil Company in section 31-21-23 east of Hope is drilling below 2,150 feet.

Union County.

Southwest of El Dorado, in Union county, E. W. Smith and J. H. Houseman are assembling a block of acreage with agreement to drill a test within a year. It is also reported that Frank J. Wilbert is assembling a block of acreage for a wildcat test around section 21-12-23 in Nevada county.

Saline County.

Only one drilling permit was issued this week by the Arkansas Board of Conservation. The permit was issued to Duncan and Gibbons of Henderson, Tex., for the Williams No. 1 test to be drilled 375 feet south and 420 feet east of the northwest corner of the northeast quarter of the northeast quarter of section 18-3-15 in Saline county.

Ouachita County.

The Standard Oil Company of Louisiana obtained permit to plug and perforate to the Meekin sand in J. Griffin No. 7, 650 feet south and 330 feet east of the northwest corner of the northeast quarter of the southwest quarter of section 33-15-15, in Ouachita county.

Logs of two wells were filed this week. They were for the J. N. Erwin estate No. 1 of the Ozark National Gas Company, located in the center of the southwest quarter of the southeast quarter of section 23-8-30, in Sebastian county, and for the J. E. Bonner No. 1 of the Ozark Natural Gas Company, located in the center of the northwest quarter of the northwest quarter of section 13-8-29, in Franklin county.

Seven Permits to Abandon.

Permits were issued to plug and abandon seven tests. J. D. Reynolds of Camden obtained permit to plug and abandon the C. L. Saxon A-2, 200 feet south and 200 feet east of the northwest corner of the southeast quarter of the southwest quarter of section 32-15-16, in Ouachita county, and the C. L. Saxon A-1, 200 feet north and 200 feet east of the southwest corner of the southeast quarter of the southwest quarter of section 32-15-16 in Ouachita county. The Gulf Refining Company obtained permit to plug and abandon the Ben Goodwin No. 5, 330 feet west and 200 feet north of the southeast corner of the southwest quarter of section 32-15-15, in Ouachita county.

The Louisiana Iron and Supply Company obtained permit to plug and abandon the Wood No. 2, located in the

Nevada County Test Is Due

El Dorado—Although there is little activity in the El Dorado oil district, aside from a few wildcat operations, at least one important test is scheduled for the coming week. Testing is expected to start about the middle of the week on the Benedum and Trees well in Section 10-14-20, Nevada county. Casing has been set at 2,200 feet for a test of a sand that is reported to have shown both oil and gas.

Following setting of the casing, the operators started erection of four 500-barrel storage tanks. It is understood from reports reaching here that the crew will start "drilling in" Tuesday or Wednesday. Much interest has been shown in the test and it is reported there has been much trading in leases and royalties in that vicinity.

Some field followers are enthused over the prospects for a good producer, and it is believed that if a well is obtained, several other tests will be drilled.

Another wildcat to come in for attention is the J. C. Buckbee, trustee Mrs. Combie No. 1, in Section 17-

17-18, just over the line from Columbia county. Buckbee and V. C. Carter, geologist, returned to El Dorado Saturday and announced operations will be resumed on the well next week. Located on what is known as the "Magnolia High," the well is now down to 3,170 feet. It is likely that the well will be drilled below 5,000 feet unless production is encountered at lesser depth.

In Bradley county, Joe Modisett is reported drilling at 3,200 feet on the wildcat of the Phillips Petroleum Company. In the Rainbow City area, the Penn-Ark Oil Company is drilling below surface casing in the Raulston No. 1, in Section 17-17-14.

Operations Resumed At Nevada Well

Special to the Gazette.

El Dorado, Oct. 24.—After being shut down for several weeks while land titles were being cured, operations have again been resumed on the Groves Land and Timber Company No. 1 test of Benedum and Trees in Nevada county. Reports from the well this week were that casing has been set for final testing of the well.

Three drill stem tests have been made on the well since it first encountered the Woodbine sand several weeks ago. The test is located 170 feet north of the center of the north half of the southeast quarter of the northwest quarter of section 10-14-20, four miles southeast of the old Irma shallow field and was originally planned as a deep test.

A showing of thirty million cubic feet of gas and no oil was obtained in the Nacatosh sand at 1,225 to 1,285 feet and the Ozane sand at 1,960 feet tested dry.

Thirteen and three-eighths inch casing was set at 1,470 feet and the Woodbine sand was encountered at 2,248 feet. In the first drill stem test the well was said to have made a showing good for production of about 500 barrels per day. Last week, another test was made for an official of the company from Pittsburgh, Pa., and it is said the well made 800 feet of oil in a 25 minute test.

Third Test Made.

The third test was made early this week and the well was said to have made two barrels of oil per hour through a half inch choke for four hours with no showing of gas. The oil was said to have tested 21 gravity. Casing for the oil string was placed on the ground about the middle of the week and reports here Thursday were that casing was being set for final testing.

The well is surrounded by a high barbed wire fence and patrolled by guards and spectators are not allowed near the test.

Although four permits have been issued for tests in the vicinity of the well and derrick has been erected on one location other operations in the immediate vicinity of the new well are being held up pending outcome of final testing of the Benedum and Trees test. The four permits were taken out by L. M. Glasco of Tyler, Tex., all being for tests on a forty-acre tract adjoining the Groves test on the Ritchie farm.

Derrick has been erected for the Ritchie No. 1 test in the center of the northwest quarter of the northwest quarter of the southeast quarter of section 10-14-20. The other three tests are to be the Ritchie No. 2 in the center of the northeast quarter of the northwest quarter of the southeast quarter of the same section; the Ritchie No. 3 in the center of the southwest

quarter of the northwest quarter of the southeast quarter of the same section and the Ritchie No. 4 in the center of the southeast quarter of the northwest quarter of the southeast quarter of the same section.

Union County.

In the Rainbow city sector of Union county east of El Dorado, the Pennark Petroleum Corporation is drilling below 2,000 feet on the W. N. Raulston No. 1, 330 feet south and 330 feet east of the northwest corner of the northwest quarter of the southeast quarter of section 12-17-14. Operators are reported to be drilling only during the day with no night operations.

Bradley County.

In the Moro Bay sector of Bradley county, Joe Modisett is reported to be drilling ahead below 3,000 feet on the Brown estate No. 1 test for the Phillips Petroleum Company. The well is located 330 feet south and 660 feet west of the northeast corner of the northeast quarter of the northwest quarter of section 28-16-12. The test is expected to be drilled to the Permian lime formation from which five wells are producing about 350 barrels per day in the Snow Hill sector of the Smackover field in Ouachita county. The Moro Bay test, like the Bendum and Trees well in Nevada county is "tight" and little drilling information is available on the well.

Columbia County.

A new test which was expected to be started this week-end is the Kitchens, Rhea, and Fullenwider No. 1 test of the King Oil Corporation of Texarkana to be drilled in Columbia county. Steel derrick has been erected and rig moved in for the test which is located 500 feet south and 566 feet west of the northeast corner of the southeast quarter of the northwest quarter of section 13-17-22, six miles west of Magnolia.

The new location is half a mile southwest of a test drilled in section 12-17-22 last year by the same operators in which a showing of oil was reported to have been obtained. The new operation is planned as a Travis Peak test and is located on a block of approximately 5,000 acres assembled by D. W. Raley and W. S. Parham of Magnolia.

In the same county Burford and Company of Dallas, Tex., are reported to be drilling around 5,000 feet on the Kendrick No. 1 test in section 7-19-18. The test is located 330 feet south and 330 feet east of the northwest corner of the southeast quarter of the section.

J. C. Buckbee, trustee, is still temporarily shut down at 3,174 feet on the Lelia Cumbie No. 1 test 330 feet west and 330 feet south of the northeast quarter of the northwest quarter of the northwest quarter of section 17-18-17, also in Columbia county.

Hempstead County.

In Hempstead county, the Imperial Oil and Gas Products Company of Pittsburgh, Pa., is coring in the redbeds of the Travis Peak below 3,160 feet in the Eliza W. Foster No. 1 located 330 feet north and 138 feet east of the southwest corner of the north half of the southwest quarter of section 35-12-26. East of Hope, the Stewart Oil Company is coring in the same formation below 2,755 feet in the Fee No. 1 test in section 31-12-23. The well was reported to have encountered showings of gas. C. W. Hays et al. is drilling ahead at 2,900 feet on the State of Arkansas No. 2 in the Red river bed 495 feet north and 214 feet east of the southwest corner of the northwest quarter of the southwest quarter of section 18-14-25 in Hempstead county.

Archer of the Root Petroleum Company of El Dorado is shooting on the company's block in Hempstead and Nevada counties centering in section

28-13-23 and a test in that vicinity is expected to be made in the near future.

One Drilling Permit.

Only one drilling permit was issued by the Arkansas Board of Conservation this week. Log of one well was filed and five permits were issued to plug and abandon wells.

The drilling permit was issued to the King Oil Corporation of Texarkana for the Kitchens, Rhea, and Fullenwider No. 1, located 500 feet south and 566 feet west of the northeast corner of the southeast quarter of the northwest quarter of section 13-17-22 in Columbia county.

The log was filed by Donald Trumbo for the Craddock estate No. 1 well located in the center of the northwest quarter of the northeast quarter of section 3-11-30 in Crawford county. G. W. James obtained permit to plug and abandon the Vesser No. 2 test located 330 feet east and 150 feet south of the northwest corner of the northwest quarter of the southwest quarter of section 12-17-14 in Union county.

The Gulf Refining Company obtained permit to plug and abandon the J. H. Alphin No. 3 test located 330 feet south and 330 feet west of the northeast corner of section 10-16-15 in Union county. The same company also obtained permits to plug and abandon three tests in Ouachita county. They are the Solmsen trustee No. 8 located 1,520 feet west and 200 feet north of the southeast corner of section 29-15-16, the Solmsen trustee No. 9 located 1,520 feet west and 700 feet north of the southeast corner of section 29-15-16 and the John Goodwin "A" 7 located 2,840 feet north and 330 feet west of the center of section 5-16-15.

Gazette 11-15-36
Union County.
Operations were started this week on a new wildcat test in Union county. The test is the Taylor No. 1 test of B. F. Tomlin and is located in the northwest corner of the southwest quarter of the northwest quarter of section 27-19-15. Drilling operations were started on the test Monday.

Hollyfield and McFarlane obtained permits to plug and abandon two tests in Union county. They are the J. S. J. Lyell No. 1, located 200 feet from the southwest corner of the north half of lot four in the northwest quarter of section 3-16-15 and the J. S. J. Lyell No. 2, located 200 feet from the northeast corner of the north half of lot four in the northwest quarter of section 3-16-15.

Earl Patterson obtained permit to plug and abandon the Sloan No. 1,

located 330 feet north and 330 feet east of the southwest corner of the southeast quarter of the northwest quarter of section 14-17-15 in Union county.

The Phillips Petroleum Company obtained permit to plug and perforate back to the upper Graves and Meekin sands in the B. C. Fleming No. 6, located 175 feet east and 200 feet south of the northwest corner of the southwest quarter of the southeast quarter of section 5-16-15 in Union county.

Democrat 11-15-36
Daily average production last week by districts in Arkansas follows: El Dorado, 1,588 barrels, down seven barrels; Calion, light, 1,965 barrels, down 116 barrels; Calion, heavy, 2,040 barrels, down 121 barrels; Smackover, heavy, 17,372 barrels, down 418 barrels; Lisbon, 287 barrels, up six barrels;

Deepened Well Good Producer

Democrat 11-13-36
New Sand in Rainbow City Field Is Important Discovery.

El Dorado—A good producer from a new sand in the Rainbow City field was indicated in a drill stem test on an old well that had been deepened. The test was made on the E. F. Gregory No. 2 of the S. H. A. Oil Company, in the southwest quarter of section 10-17-14.

The showing in the test indicated a big producer of somewhat the same gravity oil as from other sands in that area. It was estimated that the well would make from 1,000 to 2,000 barrels daily.

Casing will be set at once for final testing of the new formation, which is another sand section of the Travis Peak. In the drill stem test the well started making oil within 14 minutes. There was no sign of water with the oil.

Total depth of the well is 3,436 feet in a formation known as the Taylor B sand. The well was deepened from the Taylor A sand at a depth of 3,360 feet. The Gregory No. 2 was a small producer in the first sand.

The showing of the well brought new hope of more production from a field that is producing from a number of sands. It also brought the prospect of increased activity since a number of wells may be deepened if a good producer is obtained in the final test.

The S. H. A. Company brought in the Taylor sand discovery well and drilled a number of other tests along with H. L. Hunt and other companies.

In Union county, B. F. Tomlin of Ada, Okla., made location for No. 1 Taylor, section 27-19-15, not far north of the Louisiana line and on a supposed fault extending southeast from Arkansas to the Monroe, La., gas field.

Gaz. 11-29-36
Pesses & Fisher obtained permit to plug and abandon the Edwards No. 2 located 130 feet west and 125 feet north of the southeast corner of the northeast quarter of the southwest quarter of section 16-16-15 in Union county.

North Louisiana and Arkansas saw few completions the past week outside the 14 in the Rodessa field. North Louisiana added one small pumper in Pine Island, Caddo parish and two small gasers in the Monroe field, both in Morehouse parish. Arkansas had only one completion, a wildcat abandonment in Union county.

Dem. 11-13-36
State Line Test of Interest to Fraternity
El Dorado—With little activity in nearby fields, members of the El Dorado oil fraternity are giving their attention to progress of work on wells in other widely scattered sectors, one in Arkansas and the other in Louisiana.

Much interest continues in the rapidly growing Troy field in Nevada county, near Stephens, where another producer is indicated. A favorable showing was obtained in L. M. Glasco's Ritchie No. 1, in Section

10-14-20, at a depth of 1,217 feet. The well will be placed on the pump.

An interesting test in Louisiana not far from the Arkansas line is the Patton No. 1 of E. T. Oakes, in Section 1-20-5, Claiborne parish. The well is east of Homer. Drilling of plug was scheduled to start Saturday and completion of the well is expected late Sunday or Monday. Total depth of the well is 5,379 feet. It is reported to be eight feet in a lime formation, and it is believed that a water sand, which was struck at 5,030 feet, has been successfully cased off.

There has been much trading in the vicinity of the well during the past week.

In the Rainbow City field the S. H. A. Oil corporation is completing deepening of another old well. Recently the company obtained a 300-barrel producer in the completion of the Gregory E-2, in Section 12-17-14.

Deepened Well Good Producer

Democrat 12-13-36
New Sand in Rainbow City Field Is Important Discovery.

El Dorado—A good producer from a new sand in the Rainbow City field was indicated in a drill stem test on an old well that had been deepened. The test was made on the E. F. Gregory No. 2 of the S. H. A. Oil Company, in the southwest quarter of section 10-17-14.

The showing in the test indicated a big producer of somewhat the same gravity oil as from other sands in that area. It was estimated that the well would make from 1,000 to 2,000 barrels daily.

Casing will be set at once for final testing of the new formation, which is another sand section of the Travis Peak. In the drill stem test the well started making oil within 14 minutes. There was no sign of water with the oil.

Total depth of the well is 3,436 feet in a formation known as the Taylor B sand. The well was deepened from the Taylor A sand at a depth of 3,360 feet. The Gregory No. 2 was a small producer in the first sand.

The showing of the well brought new hope of more production from a field that is producing from a number of sands. It also brought the prospect of increased activity since a number of wells may be deepened if a good producer is obtained in the final test.

The S. H. A. Company brought in the Taylor sand discovery well and drilled a number of other tests along with H. L. Hunt and other companies.

Gazette 12-27-36 Operations at Warren No. 1 Well Suspended.

Special to the Gazette.
El Dorado, Dec. 26.—After failing to obtain a showing in the new deep sand in its deepened Warren No. 1 test in section 10-17-14 in the Rainbow City field east of El Dorado, Union county, the S. H. A. Oil corporation has halted operations. The company recently deepened its Gregory A-2 to the new sand at 3,486 feet and obtained a good producer. The Warren well was deepened from 3,342 feet to the new level with cores being taken all the way down, but failed to make a showing.

Though no announcement has been made by the operators, it is reported that they will plug the well back to the old production level for a producer in the original sand.

Interest this week was revived in the Snow Hill sector with rumors that the Lion Oil Refining Company of El Dorado would drill two more tests in the area in search for deep oil. The same report also contained the rumor that the Phillips Petroleum Company would also start new activities in the area.

The Phillips company has three small oil producers, the Lion a small oil and large gas producer and the Standard a small oil and big gas producer in the area. Total oil production of the five wells is little more than 200 barrels of high gravity oil a day, and the gas production totals about 25,000,000 cubic feet daily.

The Lion company also is reported to have agreed to deepen a test recently drilled by the Phillips company in the Schuler area west of El Dorado, in Union county. The test was abandoned by the Phillips company at 4,270 feet several months ago when it failed to make a showing.

The Lion is reported planning to deepen the test to 8,000 feet in search for the Permian lime formation encountered in the Snow Hill area. The test to be deepened is the Morgan No. 1, in section 18-18-17.

In Pope county, the Arkansas-Louisiana Gas Company is drilling ahead at 3,639 feet on its L. C. Smith No. 1 test, in the southwest corner of the southwest quarter of the southeast quarter of section 10-8N-21W.

One drilling permit and two permits to plug and perforate to the Meekin sand were issued by the state Conservation Department this week. Log of one well was filed.

Joe G. Strahan of Ashdown obtained permit for the Dierks Lumber and Coal Company No. 1 test, located 1,000 feet south and 500 feet east of the north-west corner of the southwest quarter of the southeast quarter of section 21-12-28, in Little River county.

The Gulf Refining Company obtained permit to plug and perforate to the Meekin sand in the Ralph Bennett No. 9 test, located 990 feet east and 300 feet north of the southwest corner of section 33-15-15, in Ouachita county, and also obtained permit to plug and perforate to the Meekin sand in the Umsted "A" 22, located 1,600 feet north and 725 feet west of the southeast corner of section 33-15-15 in Ouachita county.

B. F. Tomlin filed log of the R. C. Taylor No. 1 test, located 330 feet south and 330 feet east of the northwest of the southwest quarter of the northwest quarter of section 27-19-15 in Union county.

New Producer Completed In Union County

Gazette 11-29-36

Special to the Gazette.
El Dorado, Nov. 28.—One new producer was completed in South Arkansas this week and another is expected to be completed this week-end to feature oil activities. The new producer is the E. F. Gregory No. 3 test of the S. H. A. Oil Company in the Rainbow field east of El Dorado in Union county and the expected completion is the Groves No. 3 test of Benedum & Trees in the new Nevada county field northwest of Stephens.

The Rainbow City test was completed at a depth of 3,455 feet for a producer of from 500 to 600 barrels of oil per day.

The test is the deepest producer in the field and is producing from the sixth sand discovered in the area. The present strata is known as the Taylor B sand.

The Gregory test, located in section 10-14-17, was producing from the original Taylor sand at about 3,360 feet and was deepened to the new level. The new sand was encountered at about 3,450 feet, and after a drill stem test two weeks ago, which showed for a good producer, casing was set.

Plug was drilled Tuesday and swabbing started. After a short time the well began flowing and production was estimated at about 500 barrels per day.

Completion of the well for a better producer at a new depth is expected to result in the deepening of several other tests in the area or the drilling of new tests.

Pesses & Fisher obtained permit to plug and abandon the Edwards No. 2 located 130 feet west and 125 feet north of the southeast corner of the northeast quarter of the southwest quarter of section 16-16-15 in Union county.

Oil Tests May Be Made Near Huttig, Union County.

Gaz 1-15-37

Special to the Gazette.
El Dorado, Jan. 14.—Possibility of oil play in the southeastern part of Union county and northern Union parish in Louisiana was indicated this week when a seismograph crew of the Phillips Petroleum Company moved into Huttig to start operations.

The crew of 16 men arrived Monday with members of their families and started operations which will be continued for three or four months.

Similar crews tested the areas around Snow Hill, and Schuler, in the western part of Union county, last year.

Oil Company to Plug Back On Test on Snow Hill.

Special to the Gazette. *2-5-37*
El Dorado, Feb. 5.—After obtaining a showing of salt water in a test on the E. Gette Rose No. 1 test in the Snow Hill area, the Phillips Petroleum Company this morning was reported planning to plug back to a higher formation for a test of an oil sand encountered there.

The test was made at a depth of 4,957 feet after casing had been set slightly above the depth. Operators are reported planning to plug back to about 4,830 feet, where a good oil showing is reported to have been obtained in the Permian lime formation. The test is located in Section 28-15-15.

In the same area the Lion Oil Refining Company this morning was reported to be drilling at 3,706 feet in its Levy No. 1 test in Section 21-15-15. Operators are not expected to test any formations until the Permian lime formation is encountered.

Wildcatting Likely Near Junction City

Gazette 3-7-37
Standard Seismograph Crew Shooting—Snow Hill Well Halted.

El Dorado—Possibility of drilling of a wildcat test in the vicinity of Junction City, on the Arkansas-Louisiana line, loomed here this week.

The indication that pointed toward new development in a section of the county that is of wide interest was the filing by the Standard Oil company of Louisiana of a number of leases and assignments in the office of Circuit Clerk L. B. Smith.

Acreage listed in the leases and assignments is in sections 21-22-23 and 26-27-28, to the west of Junction City. It is understood that seismograph crews have started "shooting" operations in that vicinity.

With operations halted, at least temporarily, on the one remaining well in the Snow Hill area of the Smackover field, attention is being drawn to another deep test in another part of Union county, a well in the Rainbow City field, and to the possibility of additional wildcatting.

Rumor have it that several blocks are being assembled over the court.

The Lion Oil Refining company has halted operations for the present on the Levy No. 1, in section 21-15-15, Snow Hill section, after going to a depth of about 5,350 feet. The well is more than 400 feet in the Permian lime from which about six wells are producing distillate and gas.

The Lion continues with drilling activities on the Edna Morgan No. 1, section 18-18-17, in the vicinity of Schuler, to the southwest of El Dorado. The well is now down 4,900 feet.

Last-minute complications delayed the start of testing operations on the Raulston No. 1 of the Penn-Ark Oil company, in section 12-17-14, in the Rainbow City field. Casing was set in the well recently after a showing in a drill stem test that indicated a small producer. Enough time has elapsed for the casing to set, but operators have been busy with other details in connection with the bringing in of a producer and no date so far as could be learned, has been set for drilling operations.

Bad weather is delaying drilling on the newest test to be started in this vicinity but operations are expected to get under way during the coming week. The well is the G. G. Simmons No. 1 of the Arkansas Southern Oil company, in the northeast quarter of section 15-18-13, a slight distance from production in the Urbana field to the southeast of El Dorado. The crew is rigging up but heavy rains have placed roads leading to the location in bad condition.

Deep Sand Oil Production Looms

Gazette

Special to the Gazette. *3-20-37*
El Dorado, March 19.—Prospects for development of a new deep sand oil field in south Arkansas appeared bright today after a successful drill stem test on a wildcat well in the Schuler area, 14 miles west of El Dorado, in Union county. The test is Theedna Morgan No. 1 of the Lion Oil Refining Company, located in Section 18-18-17. The well is expected to make a producer of from 2,500 to 5,000 barrels a day. Officials of the company immediately decided to set casing and complete the well in about 10 days.

The prospective producer is in wildcat territory, and is expected to result in considerable drilling activity in that section of the state.

Little Lease Activity.
There is little lease trading in the immediate vicinity of the new well because the Lion company and its associates have the acreage in that area fairly well leased. Since the good showing of the well this morning, leases have been reported traded in an area several miles from the well.

Considerable lease activity in the area was evident several months ago when seismograph crews of the Phillips Petroleum Company were reported to have obtained several "rigs" in the vicinity and started drilling operations on the test. The Phillips company abandoned the test at 4,270 feet after failing to obtain a showing.

The Lion company took over the well several weeks ago, reconditioned the hole and made plans to deepen the test to 8,000 feet unless commercial production was encountered at lesser depth.

The present showing was obtained at 5,559 feet, the deepest sand yet encountered in south Arkansas. Lion officials said that the sand never had been encountered before in south Arkansas, and named it the Morgan sand. The oil is of about 37 degrees gravity, and there was a sufficient showing of gas to cause Lion officials to believe that it will be a flowing well.

Deep Sand Long Sought.
Deep oil production long has been the hope of south Arkansas. Several previous tests have been drilled in and around Union county, but with the exception of five small high gravity oil producers in the Snow Hill area of the Smackover field, all other tests proved dry. The Snow Hill production is from the 4,800 to 4,900-foot level in the Permian lime formation. In the Schuler area the Permian lime formation was not expected to be encountered above about 7,000 feet.

Already many oil field scouts and representatives of oil companies have arrived in El Dorado to "look over" the new test, and the Garrett hotel, mecca for oil scouts, again is assuming the air of a boom hotel with many groups of oil men standing about the lobby and in front of the hotel discussing the new well.

Gusher In Union County Schuler Area

Gazette 3-21-37

Special to the Gazette.
El Dorado, March 20.—A second drill stem test late this afternoon on the Edna Morgan No. 1 wildcat test of the Lion Oil Refining Company in the Schuler area of Union county west of El Dorado indicated that the well will make a much better producer than indicated in the first drill stem test Friday morning.

Several oil scouts and other oil men that witnessed today's test estimated that the well would make a producer of better than 5,000 barrels per day and some estimated that the production may reach as high as 10,000 barrels per day.

The good showing in the test is in the Travis peak formation from a new sand never yet encountered in south Arkansas operations. The sand is 15 feet thick having been topped at 5,551 feet and the bottom of the hole is 5,566 feet.

The first drill stem test was made yesterday at a depth of 5,559 feet. The hole was reamed out today and another test made at 5,566 feet. The well made about a joint and a half of brackish water in today's test along with the showing of oil. When the drill stem was being removed after the test the oil shot up in the top of the derrick as it did yesterday. It resembled the gushers of early boom days.

The oil is 37 degree gravity.

The test made a considerable showing of gas. Officials of the Lion company said that the well will be a flowing producer.

Additional Tests Probable.
After the first test yesterday operators announced plans to set casing immediately for final testing of the well but tonight would make no statement as to when casing will be set indicating that further tests may be made Sunday or Monday.

The sand is not the Permian lime formation encountered in the Snow Hill area of the Smackover field in Ouachita county, it is said by Conservation officials but is an entirely new sand for

south Arkansas and has been named the Morgan sand by the operators.

Although leases in the immediate vicinity of the well are pretty well "sewed up" by the Lion and Phillips companies, reports have been circulated here that prices as high as \$35 an acre are being offered for leases within three miles of the test.

Activities Increase.
The prospective producer is expected to result in considerable additional drilling in the western section of the county. El Dorado is crowded with scouts and other representatives of major companies and independent operators, all interested in the prospects of development of a new deep sand area.

It is reported that several permits will be issued for new tests in the area next week.

The new test is one which was being deepened by the Lion company after having been temporarily abandoned by the Phillips company at 4,270 feet. The Phillips company, however, is reported to have retained considerable of its holdings in the area.

The Lion company reconditioned the hole several weeks ago and resumed drilling operations.

El Dorado Is Thrilled by Morgan Well

Democrat 3-21-37

Second Drill Stem Test Indicates Possible Big Producer.

El Dorado—Hope of opening a new deep sand oil field for south Arkansas was revived anew here Saturday night as the result of the excellent showing obtained in another drill stem test on the Edna Morgan No. 1 well of the Lion Oil Refining Company, in section 18-18-17, near Schuler, to the southwest of El Dorado.

Estimates Saturday night of possible production from the well ranged from 5,000 to 10,000 barrels daily.

The indicated production is from a new sand for Arkansas at a total depth of 5,560 feet. The oil tests slightly above 40 gravity.

There was only a small amount of water in the drill stem test, the amount being so small that company officials were ignoring it. It had not been determined from which depth the water is coming.

There was enough gas to cause the oil to shoot over the top of the derrick. Apparently there was more fluid and more gas in the showing than in the first drill stem test Friday morning, when it was estimated the well would make from 2,500 to 5,000 barrels a day.

It has not been determined, but it is thought that the new sand corresponds in some respects to the formation from which wells are producing in the Cotton Valley field in Louisiana. The formation is believed to be the Travis Peak formation, and is an entirely new stratum for Arkansas.

Since the first test there has been considerable trading and a great influx of oil men. Hotels are crowded and the Saturday afternoon street crowds today were similar to those in the early boom days.

Members of the oil fraternity and citizens generally are more jubilant over the showing than over any development in petroleum activities here in recent years.

Mishap Delays Operations At Lion Test Well.

Special to the Gazette. 3-23-37

El Dorado, March 22.—A fishing job developed on the prospective new producer of the Lion Oil Refining Company in the Shuler area of west Union county today, when the drill bit and a joint of six-inch pipe were twisted off in the hole as the well was being reamed down preparatory to the setting of casing.

Officials of the company announced that part of the pipe had been recovered and that only about 25 feet remain in the hole. It is expected that the remainder of the pipe and the bit will be recovered tonight and reaming resumed in the morning.

Following the second drill stem test on the well Saturday afternoon, officials of the Lion company began reaming operations so that casing can be set for final testing of the well. The six-inch hole is being reamed out so that 9 7-8 inch casing can be set. The reaming was well under way when the pipe twisted off at 5,027 feet. It is expected that the well will be ready for final testing about the first of next week.

Morgan Well Being Reamed

Democrat 3-25-37

Final Test Due Soon—Rainbow City Well Makes Showing.

El Dorado—Reaming operations were resumed this morning on the Edna Morgan No. 1 wildcat of the Lion Oil Refining Company, in the Schuler area, to the southwest of El Dorado, after the recovery of the pipe and drill bit which had been lost in the hole. The pipe was twisted off at slightly below 5,000 feet and the hole had been reamed down to about 5,100 feet at noon today.

The hole is being reamed out for the setting of nine and five-eighths inch casing.

Officials of the company announced that casing has been received for the well and there will be no delay in the setting of the pipe. It was estimated that it will be about three or four days before the casing can be set, and the concrete will be allowed several days to set before the final test is completed.

Another producer is indicated in the Rainbow City field, northeast of El Dorado where the Penn-Ark Company is completing its Raulston No. 1, section 12-17-14.

Casing was set in the Crain sand at about 3,000 feet and swabbing operations have been in progress for several days. Operators announced that considerable oil is being obtained in the swabbing and the well is expected to be good for about 200 barrels per day.

Morgan Test Brings Scouts To El Dorado

Democrat 3-26-37

Possibility of New Deep Field Causing Incipient Boom.

El Dorado—Brisk trading is in progress in the vicinity of the Lion Oil Refining Company wildcat, Morgan No. 1 well, near Schuler, to the southwest of El Dorado.

The excellent showing obtained in drill stem tests, indicating a deep sand producer, good for from 2,500 to 10,000 barrels daily, has attracted oil scouts from fields in Louisiana, Texas and Oklahoma.

El Dorado has the appearance of "old times", oil men, "lease hounds", and others crowding the streets of the downtown area and filling hotel lobbies.

The office of Circuit and Chancery Clerk L. B. Smith is being swamped with lease filings. Many oil and gas leases, assignments and mineral deeds are being offered daily. The "play" is extending in nearly every direction from the well and is taking in a wide territory.

Due to the fact that completion of the well as a big producer would mean opening of a new field in south Arkansas, an active drilling campaign is expected.

New interest was stirred with the completion of the fishing job in which one joint of pipe and the drill bit were removed from the hole after several days of effort. The pipe had been twisted off at 5,027 feet. Casing has been received and hauling of the pipe to the location, in section 18-18-17, started Thursday afternoon. Several days probably will be required for reaming operations before casing is set, and then it will be from five to ten days before the well is drilled into the sand.

The oil showing is from a new level, a total depth of 5,560 feet. The formation is believed to be of the Travis Peak stratum and is said to correspond in some respects to the sand from which wells are producing in the Cotton Valley field in Louisiana.

Bonus in Prospect for Owners Of Prospective Oil Well.

Special to the Gazette. 3-28-37

El Dorado, March 27.—Since the recent spurt of oil activities in the Shuler area, in the southwestern section of Union county, lawyers have called attention to an act passed by the 1935 legislature providing for payment of a bonus for the location of new oil fields or new producing horizons.

The act, No. 201, provides that any firm, person, company, corporation or association which brings into production in the first commercial oil well from a new horizon which is not known to be productive or formerly productive, will receive a bonus from the state as follows: For discovery of a new commercial well in a new producing area in Union, Nevada, Columbia, Ouachita, Lafayette or Miller counties, \$1,000; for the discovery of a new oil well in other counties, \$5,000.

A commercial well as defined in the act is a well that produces 100 barrels (of 42 gallons each) of oil each day (24 hours) for a period of 30 successive days.

The Lion Oil Refining Company is on the verge of bringing in a new well in the Shuler area in which there never has been a producer.

Pipeline Planned From Morgan Well To El Dorado.

Special to the Gazette. 3-28-37

El Dorado, March 27.—Right-of-way is being surveyed and construction of a temporary four-inch pipeline from the Edna Morgan No. 1 wildcat test of the Lion Oil Refining Company, in section 18-18-17 in the Shuler area west of El Dorado, is expected to get under way in a few days, officials of the Lion company said today.

The pipeline will be 14 miles long. Its construction will eliminate the necessity for storage tanks at the well, which is expected to be completed in about 10 days for a producer of from 2,500 to 7,500 barrels a day.

Officials said that the well has been reamed down below 5,288 feet and that unless difficulties are encountered the hole is expected to be reamed to the bottom, 5,559 feet, by Monday night.

Oil Men Keen About Lion's Deep "Strike"

Democrat 3-29-37

Excitement Is Greatest Since Boom Days of the 20's.

El Dorado—So confident are Lion Oil Refining Company officials that their Shuler wildcat well will open a new deep oil field in the southwestern part of Union county, that plans are going forward for a pipeline from the area to the huge refining plant of the company in El Dorado.

Officials of the company announced Saturday that right of way now is being surveyed and that construction of a temporary four-inch line from the Edna Morgan No. 1 well, in section 18-18-17 to the company's plant will start within the next few days.

The line is expected to be completed in time to take care of the anticipated big production from the Morgan well, which probably will be completed in about ten days. The line to the local plant will eliminate the necessity of erection of storage tanks.

Opening of the new field is expected to provide a big new source of crude oil for the Lion refinery which has been in need of additional oil to keep the plant running at capacity.

Plans for setting of casing for final testing of the well are moving ahead as reaming operations continue. It is expected that the well will be reamed down to the bottom by Monday night or Tuesday morning and pipe already is at the location for setting of casing.

Scouts Throng El Dorado. Other deep field for the El Dorado territory overshadowed everything else in petroleum development during the past week.

With final testing of the new well still about a week or 10 days away, scouts and field followers generally are agreed on the fact that a new pool has been unearthed and preparations to take advantage of the discovery are moving along at a fast clip.

The "strike" is being hailed as probably the best in south Arkansas in many years and oil men and others look forward to big production as the dream of years for deep sand oil apparently is about to be realized.

Just as the oil went over the top as in the case of a number of wells back in the "boom days," El Dorado once again is taking on the appearance of an oil boom town. There is feverish trading activities, hotel lobbies are filled to capacity and khaki-clad men crowd the streets in the downtown district.

First news of the excellent showing of the Edna Morgan No. 1 of the Lion Oil Refining Company in section 18-18-17, near Schuler, southwest of El Dorado, brought in scouts, lease hounds, royalty buyers and oil men generally. More have followed daily, and not since the first days of the oil boom back in the '20s has there been such a "big play" in connection with the discovery of a new sand.

Drill stem tests have indicated a large producer of high gravity oil. Showings in two such tests have brought estimates ranging all the way from 2,500 to 10,000 barrels daily as the most conservative estimate.

Col. T. H. Barton, president of the Lion Oil Refining Company, is highly pleased over the showing. Urging that a "remarkable field of oil has been discovered," Colonel Barton said he expected the well to be the largest producer in the history of his company.

The usual "bad luck" that accompanies wildcat tests was present this time but this difficulty has been overcome and no additional delay in preparations for final testing is anticipated. Casing has been hauled to the location and the nine-and-five-eighths-inch pipe will be set in the hole during the next few days. Reaming down operations are in progress now below 5,000 feet and will continue until a depth of 5,560 feet, where the sand was hit, has been reached. The bad luck came when the crew in charge twisted off a joint of pipe and lost the pipe and drill bit in the hole. Several days were required in the fishing operations but the pipe finally was removed and reaming resumed 5,027 feet.

Test Ten Days Away.

The well probably will not be tested for a week or 10 days. It will be several days before the job of setting casing has been completed, and then it will be necessary to allow the pipe to set for about five days.

An intensive drilling campaign is taken for granted. No new locations have been announced and no permits for new wells have been issued, but it is certain that there will be much activity if the Lion wildcat is brought in as a gusher or even a good size producer. The Lion has extensive holdings around the well,

the block exceeding 5,000 acres, and it is expected that he company will begin additional development as soon as possible after the completion of the first well.

The fact that the oil from the well is high gravity and will bring top price of around \$1.20 a barrel will make it worth while for both small and big companies to drill for the new "pay dirt." The depth of 5,560 feet is a new producing level for the El Dorado territory and its discovery comes after long and persistent efforts to locate a deep sand. The latest attempt was in the Snow Hill area of the Smackover field, where a half-dozen producers of gas and distillate were completed from a line formation below 4,000 feet.

Practically all attention is being given to the Shuler area but there are a few other operations that are being watched. One new producer was added during the week for the Rainbow City field to the northeast of El Dorado with the completion by the Penn-Ark Oil Company of the Raulston No. 1, in section 12-17-14. The crew spent most of the week swabbing and the well is expected to make around 200 barrels a day from the Crain sand at 3,000 feet. It is the first producer in the Rainbow area for some months.

The Marine Oil Company is starting a new well in the vicinity of Urbana and one other outside test is planned in that vicinity. Shooting crews of the Standard Oil Company are reported still at work on a block in the vicinity of Junction City, one other wildcat is planned and several more blocks are being assembled.

Operators in Rush for Leases in Schuler Area

Dem 3-30-37

El Dorado—Oil and gas trading in the Schuler and Junction City areas of Union county are increasing, according to records in the office of Circuit Clerk L. B. Smith.

During the past week 573 instruments were accepted to be recorded in the clerk's office. Nearly all of the papers involving oil and gas leases, oil and gas assignments and royalty deeds, cover acreage in the vicinity of the Edna Morgan No. 1 well of the Lion Oil Refining Company in section 18-18-17, near Schuler, which is expected to open a new deep field.

Deep Test Well May Be Brought In Tomorrow.

Gaz. 4-3-37

Special to the Gazette.

El Dorado, April 2.—With prospects for completion of one of the best producers in several years, South Arkansas residents anxiously are waiting final testing of the Edna Morgan No. 1 wildcat test of the Lion Oil Refining Company in Section 18-18-17, in the Shuler area west of El Dorado, which is expected to be completed Sunday or Monday.

Officials of the Lion company announced this afternoon that the plug will be drilled Sunday and the well "washed in." It is expected that it will require all of Sunday to break down the drill stem and run tubing in the hole for the washing process which probably will be started Monday.

It is expected that with the strong gas showing obtained in the two drill stem tests, the well will begin flowing after washing, but if the well does not flow it will be abandoned.

The two drill stem tests indicated a producer of from 2,500 to 5,000 barrels daily of 40 degree gravity oil.

The Lion company is rushing construction of a pile line from the well site to the refinery in El Dorado, a distance of 14 miles. It is not expected that the line will be laid before the well is completed. Storage tanks are being erected on the lease to handle the expected production until the line is finished.

Edna Morgan Test Well Due In Today

Special to the Gazette. 4-5-37

El Dorado, April 4.—Completion of what may be one of the largest producers ever completed by the Lion Oil Refining Company is expected tomorrow on the company's Edna Morgan No. 1 test in section 18-18-17, in the Shuler area west of El Dorado.

The plug was drilled on the test this morning and tubing run in the hole tonight. Washing operations will be started in the morning and completion of the well is expected during the day.

Despite occasional showers, thousands of people from South Arkansas and many from other states crowded around the well today. At one time it was estimated that 2,000 persons were watching operations.

Wildcat Territory.

The Lion's test is in wildcat territory, and completion of a good producer would result in an active drilling campaign with the Lion in the center role with more than 6,000 acres under lease within an area of two or three miles of the Morgan test.

Other companies which have considerable leases in the area include the Phillips Petroleum Company and several independent producers.

17 Miles from El Dorado.

The Lion test is about 17 miles from El Dorado. Ten miles of the road, to Cairo, is paved, and the remainder, with the exception of a few miles of gravel road to a crossroads, is "oil field road." The Lion Company went to considerable expense to cross-lay the road with poles, but despite that, it is almost impassable in wet weather and several cars were reported to have been stuck today.

El Dorado in Fever Pending New Well Test

Democrat 4-4-37

Town Will Be Disappointed If Morgan No. 1 Fails to Flow.

El Dorado—Practically all interest among members of the South Arkansas oil fraternity and citizens generally is centered at this time in the wildcat test of the Lion Oil Refining Company near Schuler, to the southwest of El Dorado.

The well is now at final testing stage and frenzied activity among lease and royalty traders has been in evidence during the past few days.

Testing of the well, Edna Morgan No. 1 in section 18-18-17, is scheduled to start Sunday with completion expected Monday or Tuesday. The crew in charge will start drilling out the plug some time Sunday and washing of the well to bring in a producer is slated for Monday.

Tubing will be run in the hole before the washing process begins.

El Dorado looks forward confidently to the bringing in of a large producer. Officials of the Lion Company are highly optimistic about their chances of a good well, and other oil men are of the belief that a good deep sand pool has been uncovered for this territory.

Much money has changed hands as leases, royalties and assignments have been recorded during the past week. Good prices prevail on acreage near the well and to some extent in each direction from the location.

The Lion Company is rushing completion of a pipeline from the well to the refinery here. The line probably will not be completed in time for taking of the oil if the well is completed Monday, but storage tanks have been erected at the location in event the line is not ready.

Production is expected from a depth of 5,560 feet. Two drill stem tests were made with excellent showings of both oil and gas. The oil is of around 40 gravity some of the highest to be found in the south Arkansas fields. The well is expected to flow because of the large amount of gas in evidence during the two tests.

Taking second place in interest is the Junction City area where there has been much trading in connection with the assembling of a large block by the Standard Oil Company. Shooting crews have been working in that area, and filing of leases by the Standard caused a flurry of excitement.

GREAT NEW OIL WELL EXPECTED TO START BOOM

Estimated at 6,000 to 7,500 Barrels.

April 6, 1937

Special to the Gazette.

El Dorado, April 5.—The Lion Oil Refining Company completed its Edna Morgan No. 1 wildcat test in the Shuler area west of El Dorado this afternoon for a producer estimated at from 6,000 to 7,500 barrels of 41 degree gravity oil a day.

The well began flowing after a swab had been run in the hole three times when it failed to flow while being washed with water. As the flow became stronger, more oil began to come to the surface.

Estimates as High As 7,500 Barrels Daily.

Officials of the Lion Company and the Delta Drilling Company, which drilled the well, declared that it would be about 24 hours before the well cleaned itself entirely of water and flowed only oil. However, field followers estimated that the production would be 6,000 barrels a day and some estimated that the flow would be as high as 7,500 barrels a day.

All estimates on production were higher than the earlier estimates made after two drill stem tests. Those first estimates were from 2,500 to 5,000 barrels per day.

Plug was drilled on the well yesterday morning, and the well washed with the drill stem in the hole. The drill pipe was broken out in the afternoon, and tubing run in the hole last night. Connections were made this morning and washing started at noon.

After a few hours of washing failed to make the well flow, a swab was rigged up and after it had been lowered a short distance in the hole, oil began to flow.

The well started showing gas after being washed a short time, and many at the well believed that the well would have flowed without swabbing if allowed to stand a short time, but operators were anxious to complete the well as soon as possible, and so swabbing was started.

All officials of the Lion Company and the Delta Drilling Company were pleased with the showing. Plans were announced for an extensive drilling campaign by the Lion Company on its more than 6,500 acres of leases in the immediate vicinity.

No announcement was made as to when the next test will be started by the Lion, but it is expected that it will be an offset to the producer.

Intensive Drilling Campaign to Follow.

Col. T. H. Barton, president of the Lion Oil Refining Company, was enthusiastic over the completion of the new producer and predicted an extensive drilling campaign in the area.

"Indications are that the production is absolutely something new for El Dorado and will mean a lot for the city, county and the state," he said. The oil is producing from a sand not heretofore encountered in Arkansas, and it looks mighty good.

"Of course I feel good over the completion of the producer because it means so much for El Dorado and the state. We plan to make an extensive drilling campaign in the area, but decision as to the location of the next well probably will not be made until tomorrow.

"Our pipe line from the well to the refinery will be completed Tuesday afternoon and oil from the well will be started through the line at that time.

"The well is producing from an absolutely new formation, and its full development is expected to mean a great deal to El Dorado."

Colonel Barton would not estimate on the possible production of the well, but when he was told that several oil men who watched the well after it started flowing estimated that it would make 6,000 to 7,500 barrels of oil a day, he said, "well, we expected a good well."

Area May Rank With Great Rodessa Field.

Talk of another Rodessa field was heard among the many oil men who visited the well during the final testing today. Many expressed the belief that the well is showing better in some respects than the producers of that famed Louisiana area.

The well is flowing through two-inch tubing pinched down to about a one-inch choke. Officials plan to let the well flow until it has cleaned itself out.

Four 500-barrel storage tanks have been erected at the well, and the flow was turned into the tanks tonight.

The Lion's four-inch pipe line from the lease to the company's plant here is expected to be completed tomorrow, when oil from the well will be turned into the pipe line.

The well is producing from what officials of the Lion Company report is an entirely new sand at 5,559 feet, a deeper level than at which production has yet been obtained in Arkansas.

The well is in wildcat territory several miles from any previous shallow production.

In addition to the Lion Company, the Phillips Petroleum Company has extensive holdings in the area, as well as several independent south Arkansas producers.

El Dorado and Smackover Expect New Boom.

Days of the earlier boom days of the El Dorado and Smackover fields are expected to be revived. Already there is a housing shortage in El Dorado, and the city is crowded with oil men from Louisiana, Texas, Oklahoma and practically all oil states.

MO' DAWGS DAN WHUT DEY IS DAYS!



El Dorado Scene of Much Activity as Morgan Well Proves to Be Great Producer.

Hotels Crowded

Lion Oil Plans New Locations—Boom Expected to Come as Result of Discovery.

By HARLAN HOBBS.

(Democrat Staff Correspondent)

El Dorado—Cold efficiency may have taken much of the spectacular from the oil industry, but the scene here yesterday and today proves that nothing can rob it of its drama and excitement.

El Dorado was seething with an undercurrent of excitement at noon yesterday. Hotel lobbies hummed and traffic jammed the streets and sidewalks. Lion Oil was to bring in a "wildcat" on the Morgan property 17 miles south of here.

All day there had been a pilgrimage... one long procession of cars... to the test well sunk more than a mile below the earth's surface on the property of Mrs. Edna Morgan. Thousands of small saplings had been cut and laid on the winding muddy road that led from the highway to the derrick to allow passage of traffic.

With approximately 1,500 people gathered about the massive derrick with its piles of pipes and machinery, the well "blew in" after a brief washing and three swabbings. Drillers said there was no salt water and described the oil as 40.5 gravity, a better grade than ever before discovered in Arkansas.

"Indications are that the production is absolutely something new for El Dorado," said Col. T. H. Barton, Lion Oil president. "The oil is producing from a sand not heretofore encountered in Arkansas and it looks mighty good."

New Sand Discovered.

The new sand will probably be named the "Morgan sand" for the people on whose property the producer was found.

The Lion Oil Company planned new locations in the Shuler deep sand area today, according to Colonel Barton, after completing the Edna Morgan No. 1 discovery well and gauging it as a 5,000-barrel producer. Flow in the new well was pinched to 19-100-inch flow today pending scheduled completion of the 14-mile pipe line to the well from the Lion refinery in El Dorado shortly after noon.

The producing sand was struck at 5,559 feet in section 18-18-17. Lion did not announce its next location but indicated it would be an offset to the discovery well. The company has 6,500 acres blocked in the area.

By an odd quirk of circumstance, oil men and spectators who rushed to the scene of the new discovery from El Dorado passed within a hundred feet of the first well ever drilled to produce oil in Arkansas. The well is capped now, but others in the immediate vicinity are still producing.

Reminiscences of the discovery of oil near El Dorado 10 years ago flew from lip to lip as old-timers gathered to watch the flow of "black gold." Many grieved that no longer was there the thrill of watching the black oil shoot high into the air as a gusher was brought in. Modern equipment and careful forethought allowed the driller to stem the flow of oil and throw it into the mud pits within a few seconds after it "blew in."

Boom Is Different.

Colonel Barton pointed out today that the "boom" which will naturally result from the new discovery in south Arkansas will be somewhat different to the "boom" of 10 years ago.

"Naturally, there will be an influx of laborers and experienced

workmen to take care of the sharply increased drilling operations," he said, "but the new field is controlled by such a few companies that the mad speculation characteristic of the old days will not be present."

"Housing shortage in El Dorado is already acute and a building activity of unprecedented proportions will undoubtedly get under way immediately. But the building will be on a permanent basis rather than the usual temporary 'boom' activity."

Oil men were unanimous in their opinion that the new field will be equal to or greater than the famed Rhodessa field in Louisiana. They pointed out that there was the same high test type of oil and indications of a plentiful amount.

Production of crude oil by the Lion company was expected to increase more than 100 per cent within the next three months, Colonel Barton said today. Many plans and arrangements have been made in advance of the bringing in of the well, he said, and production arrangements will be completed as quickly as possible.

In addition to the Lion company, the Phillips Petroleum Company has extensive holdings in the area, as well as several independent south Arkansas producers.

The Delta Drilling Company, which drilled the discovery well, is making arrangements to start another drilling operation for Lion immediately.

If the Lion Oil Refining Company has found a new deep field near El Dorado Col. T. H. Barton, its president, is amply justified in saying the development will mean much for "the city, the county and the state."

The new well, drilled to a depth of 5,559 feet, or more than a mile, is said by oil men to be producing from an absolutely new formation for Arkansas and one that lies at a level deeper than any at which production has ever before been obtained in this state. 4-7-1937.

The courage and enterprise that undertook and carried through this work may have brought the El Dorado area to the eve of a major development which will mean new business activity and general growth and expansion.

Flow of Well

Checked When Gas Appears

Edna Morgan Deep Test Choked Off to 250 Barrels.

El Dorado (P)—The Lion Oil Company choked down its Edna Morgan deep test well to a 250-barrel daily flow after gas pressure increased yesterday.

The well, in section 17-17-18 of Union county, came in Monday as a 5,000-barrel producer. Pressure increased yesterday to 1,865 pounds on the casing and 1,650 pounds on the tubing. The gas flow was gauged at 3,500,000 cubic feet, with no salt water.

The Berry Asphalt Company brought in its Junie Haynie well in the Waterloo area of Nevada county yesterday for a 200-barrel pumper. The well was brought in from the Nacatosh sand at 1,200 feet.

GAS FLOW FROM GREAT NEW OIL WELL INCREASES

Considered Favorable Indication.

Special to the Gazette.

El Dorado, April 6.—The Edna Morgan No. 1 discovery well of the Lion Oil Refining Company in section 18-18-17 in the new Shuler area west of El Do-

rado was holding its own in production today after having been completed yesterday afternoon for a big producer from an entirely new deep sand.

The well is making a strong flow of both oil and gas with no signs of salt water. Since its completion there has been an increase in the gas pressure of the well, which has cut down on the oil flow.

The well today was producing through a choke 19-64 of an inch in size because of the tremendous gas pressure and was producing 250 barrels of high gravity oil and 3,500,000 cubic feet of gas through the choke.

The increased showing of the gas was taken as a favorable showing by officials of the Lion company. Gas pressure on the casing was reported to be 1,865 pounds and pressure on the tubing was reported at 1,650 pounds.

Oil of Highest Gravity In South Arkansas Field.

The gravity of the oil is the same as obtained in drill stem tests which is slightly higher than 41 degrees, the highest gravity oil yet produced in south Arkansas with the exceptions of the distillate produced in the new deep sand wells in the Snow Hill area of the Smackover field in Ouachita county.

Oil produced by the well has been flowing into four 500-gallon storage tanks erected on the lease but the production was expected to be turned into the company's pipe line to its refinery tonight or early tomorrow.

Construction crews of the Lion company this afternoon completed laying the four-inch line from the company's refinery plant here to the well.

Officials of the company late this afternoon said that they were not sure which they would run through the pipe first, the oil or the gas. One is about as valuable to the company as the other as considerable gas is needed to operate the refinery here.

Additional Tests in New Field Expected to Start Soon.

No definite announcements have been made as to when additional tests will be started in the new area. The Lion company is expected to start operations soon on an offset well. Other operators with holdings in the area are reported to be planning tests at once but no official announcements were made.

C. E. Harris, chief conservation agent of the Arkansas state Conservation Board, said that no new permits had been issued for tests but that he expected several to be taken out in a short time.

The Shuler producer is the first satisfactory deep production yet obtained in South Arkansas although deep test wells have been drilled in scattered sections for a number of years. Unconfirmed reports were circulated here that several of the Snow Hill deep tests may be taken deeper and that other wildcat tests may be drilled in other sections of South Arkansas in search for deep production.

Conditions Worse at Already Crowded Hotels.

News of the showing made by the Lion's well caused additional oil men to come to El Dorado to tax the already crowded hotels.

The showing of the well has not yet caused any change in the housing situation in El Dorado. The housing situation has been critical here for more than a year. With the start of an active drilling campaign which is expected soon, many drilling crews and members of their families from East Texas and other oil fields are expected to move to El Dorado and a critical housing shortage will result.

Excitement Said to Exceed That of First Boom.

Many who recalled the boom days of 1921 said today that the excitement far exceeds that of the earlier period. Better roads and more automobiles make possible the arrival here of greater numbers.

Business men said they could hardly believe that such increased business as they have experienced the last two weeks could be possible. One reported a gain of nearly 500 per cent in sales last week over the same period last year.

A noticeable feature of this increased trading has been the stability of commodity prices. Any increase noticed are far short of the overwhelming price gains reported during the first boom. This is explained by the fact that in the earlier boom there was such a sudden development that supply was insufficient to meet the demand, while the present boom has been developing steadily, with merchants gradually readying themselves for it.

Bed and Board in Great Demand on All Sides.

Hotels, rooming houses, cafes and restaurants are reaping the largest part of the benefits. At one hotel it was said last night that for the first time in nearly 10 years every room was occupied

and there were requests for nearly as many more rooms as the hotel had. In the lobby a line of would-be roomers had formed beside the elevator door waiting for guests to come down. They offered premiums for rooms.

Several eating places had to add new shifts of cooks and waitresses. Earlier opening and later closing became a necessity. Gasoline stations sales have increased almost beyond belief. All roads leading in and out of El Dorado, particularly the highway to Magnolia, off which is located the discovery well, had steady streams of cars. A brief survey on one road leading to the well revealed cars bearing licenses from as far west as California and Washington and one from as far east as Maine.

Million Dollars Estimated To Have Changed Hands.

It would be impossible to estimate how much money has changed hands in various forms of trading since news of the "strike" began to be circulated, but a banker and industrialist who has known about some of the biggest transactions said that a conservative estimate would be a million dollars. Trading in leases and royalties has been the biggest single item involved. The Lion Oil Refining Company has about 7,000 acres under lease in the new field. Of this 1,000 was obtained by Lion and the remainder was assumed when the Phillips Petroleum Company abandoned the well. It is reported that the Phillips company still has 4,000 acres under lease in the field.

Farmers Acquire Sudden Feeling of Independence.

The bringing in of the discovery well already has resulted in a feeling of independence among many of the farmers in the vicinity. Many have received large cash payments for part of their royalties, others have sold outright. The wealth in the section already is beginning to be widely circulated. Improved houses, new and second-hand cars are conspicuous.

While it may not be typical of the entire section, one story heard today about a farmer indicates how the spirits of those in the section have been buoyed. This farmer, it is said, was plowing in his field about a mile from the well, when a neighbor told him that the Edna Morgan well had come in. It is said that the farmer asked his neighbor to wait for him. While the neighbor looked, the farmer drove his mule to his barn, pulled out a pocket knife and cut the reins, reached up on a shelf and got a saw and cut off the handles of his plow, and then tossed it into a corner.

The amazed neighbor asked him, "What are you doing that for?"

"I'm through plowing now," the farmer said. "I've struggled all these years trying to make a living, and now I can accept that offer for my royalties and retire comfortably."

Barton Given Credit For New Field

Special to the Gazette.

El Dorado, April 6.—Plans were under discussion today for a celebration or some other form of fitting tribute for what was described as the "progressive pioneer spirit" of Col. T. H. Barton, president of the Lion Oil Refining Company.

It was the confidence and persistence of Colonel Barton that resulted in the drilling of the Edna Morgan wildcat well that was brought in yesterday 14 miles southwest of here, resulting in what is believed to be discovery of an entirely new and vastly improved oil producing area.

Colonel Barton was one of the pioneers in the oil boom in 1921 and 1922, and it was his confidence that resulted in the development of the Lion Oil's huge refinery here.

It is expected that within the next few days a meeting will be called to arrange a celebration in honor of Colonel Barton, who modestly has remained in the background throughout all the current developments.

While Colonel Barton concentrated his discussions for publication today to visualizing just how important the development of the new field will be to El Dorado, Union county and Arkansas, both directly and indirectly, those familiar with the things that have led up to the new discovery said that they all were due largely to Colonel Barton's unwavering confidence in the presence of a deep sand in the El Dorado area.

Test Abandoned Once.

The well that came in yesterday is located 14 miles, air line, from El Dorado in what is known as the Shuler area, so named because at one time there was a postoffice, now an old frame building, named Shuler, located several miles from where the well is flowing.

The well was started by the Phillips Petroleum Company last August, but was abandoned after a depth of 4,270 feet had been reached. Through Colonel Barton's efforts, a huge drilling rig of the Delta Drilling Company was moved to the well and a fresh start made.

"We had decided that we would go down as far as 7,500 feet with the well when we started drilling again," Colonel Barton said. "We were confident that there was oil there."

It was at a depth of 5,540 feet that the first showing of oil was noticed, Vernon Hays, drilling superintendent for the project, said. Fourteen feet further down a rich trace of oil was found. It was at this depth that Colonel Barton and his associates were convinced that a producer was assured.

So strong was this belief that Colonel Barton ordered construction of a pipeline from the well to the Lion Oil's huge refinery here in El Dorado. Crews were started to work on both ends of the line and construction was rushed day and night. The line was completed late today at a cost of about \$40,000. When word got out that work had been started on the pipeline oil circles began to hum with reports that a new producing area had been found.

Conclusive proof of the accuracy of these reports came when a drill stem test was taken, disclosing the presence of a large percentage of oil of high gravity. Then the casing was set and the well brought in yesterday.

Old-timers in the oil industry said that the bringing in of the well was unusual because there was no doubt that it would be a producer long before the oil began flowing from it.

Hundreds Witness Spectacle.

The number of visitors at the well site began to increase about the time news of the pipeline building got out. More than 2,000 persons were on the ground Sunday. Because of the muddy condition of the road for about six miles up to the well, the Lion Oil Company put crews to work corduroying the road with small saplings.

Yesterday when the well was brought in, hundreds were on the ground who had been there all night and all morning. Shortly after noon the first swab was taken. The third swab was pulled at 2:55. When the hoist completed drawing the swab to the top of the casing a wave of excitement broke. Suddenly there was a cry from the derrick: "Get back!"

The crowd scattered in all directions, everyone looking back over his shoulder to witness the expected gush of oil. There was a brief spurt of black mud and oil out of the well. It shot to a distance of about 25 feet above the derrick platform before workmen succeeded in closing the valve at the top of the well, diverting the flow through a three-quarter inch pipe leading to a dirt reservoir at the side of the well.

For two hours the crowd milled around, watching the water, oil and dirt belch forth from this tiny pipe, the pressure growing stronger and stronger, and the stream blacker and blacker as the mud began to diminish.

A Dramatic Moment.

At 4:55 the flow was diverted into the separator. The crowd ran from the derrick to the separator, located about a block away in the center of a cotton field. There was a tense silence as all eyes were centered on the tiny gauge on the side of the tall white tank into which the oil was flowing. Many had watches in their hands. Suddenly there was a spewing noise as the oil filled the separator and tripped the release valve. Eyes fell to watches, remaining there until a second spewing told that the separator had emptied. A second check was made on the next filling. There were nods and smiles, but not much comment. Those familiar with gauging oil flow apparently wanted to keep their conclusions to themselves.

Land Owner Remains Calm.

Probably the calmest individual present during all this excitement was Mrs. Edna Morgan, tiny, modist owner of the land on which the well is located. She sat in a tiny frame shack several hundred yards from the well on a slight incline, hidden from the crowd. With her were her sons, Marvin, Wade and Wallace, and her daughter, Mrs. A. J. Morgan.

She watched silently, too far away to see exactly what was being done.

"Don't you feel excited and enthusiastic about all this?" she was asked.

"I don't understand enough of what's going on to be excited about it," she replied.

Unless questioned, she did no talking. A series of queries disclosed that the well is located on land that was purchased by her late husband, A. T. Morgan, from his father, A. T. Morgan, who settled in Union county after coming from Alabama.

"My husband homesteaded the 80 acres just east of here," she said, pointing to the left of the well. "This was just before we were married. He bought this 80 acres," indicating the site of the well, "from his family."

Mrs. Morgan owns 295 acres in the tract around the well. She has sold half her oil royalties. Her remaining half

entitles her to one barrel of every 16 produced from the land. Her royalties brought from \$95 to \$500 per acre, base, she said.

"But I don't feel a cent richer than I did before," she said, in commenting on her sudden wealth. She did not discuss her plans under her new wealth.

"I know this," she said, emphatically, "It's not going to change our way of living."

RO PENS SEASON PA'S TODAY

By FLETCHER CHENAULT.

On January 10, 1921, the Busey well blew in west of El Dorado and the following day your popeyed correspondent was on the spot annoying every one in sight with questions that revealed his ignorance of the oil game. Some sort of Providence, aided by veteran oil producers, prevented him from exposing this ignorance in the public prints, but even a dumbbell can learn a little if he hangs around an oil field three months. So we have a new oil field in El Dorado, hey?

When El Dorado Howled.

Let us hope there will not be such a wild scramble as we had in 1921, when the whole world was aching for a new oil field. Let us hope that I'll never have to walk through "Pistol Hill" and "Shotgun Valley" again with my heart in my mouth and my ears flapping excitedly.

El Dorado was like a mining town of the Wild West in those days. All roads led to south Arkansas. They came by airplane, automobiles, in buggies and by train. When a freight train stopped in El Dorado the "rods" disgorged their passengers. The town's normal population became insignificant. Thousands poured in from all directions.

I lived three weeks at the Garrett hotel. My room contained three single beds and nearly every night I slept in the same room with two strangers and never saw them. I stayed up late to protect the Gazette's first edition and slept late the next day as a matter of habit. Consequently, I groped my way to my single bed late at night and my two roommates the next morning dressed to the tune of first class snoring.

Easy Money Everywhere.

Came the era of "easy money." A Chinese laundryman sold a piece of worthless land for \$35,000; an old Negro washwoman realized \$65,000 on her tract; the owner of a pressing shop found himself \$75,000 in the money. I don't know what became of all this easy money and I'd hesitate to inquire.

So I attempted a syndicate of Gazette boys to buy a lease on a 40-acre tract for \$7.50 an acre. The syndicate failed. The tract became the heart of the oil field and the lease sold for almost a half-million. What's the odds, anyway? What would a bunch of newspapermen do with \$80,000 each?

Oil fields abound in coincidents and idiosyncracies. The discovery well was brought in by Dr. S. T. Busey and associates, but it is a matter of record that Dr. Busey made very little money and according to rumor all that he made was spent in trying to bring in another wild-cat well. Also the discovery well did not amount to much and finally was abandoned, but it stimulated drilling while it lasted and caused, not one, but several oil fields in south Arkansas.

Good Old Ham an' Eggs.

If you craved something to eat in those days you lined up on the sidewalk outside the Sanitary cafe. After moving forward with the line for an hour you finally reached a seat at one of the tables. A waitress asked: "What will you have?" You replied: "Let's see, H'm, bring me one of these sirloin steaks." Then the waitress said: "Like heck I will. All we have is ham'n' eggs. Every thing else you see on that bill of fare has been sold out."

"All right, all right; I've changed my mind. Give me ham'n' eggs."

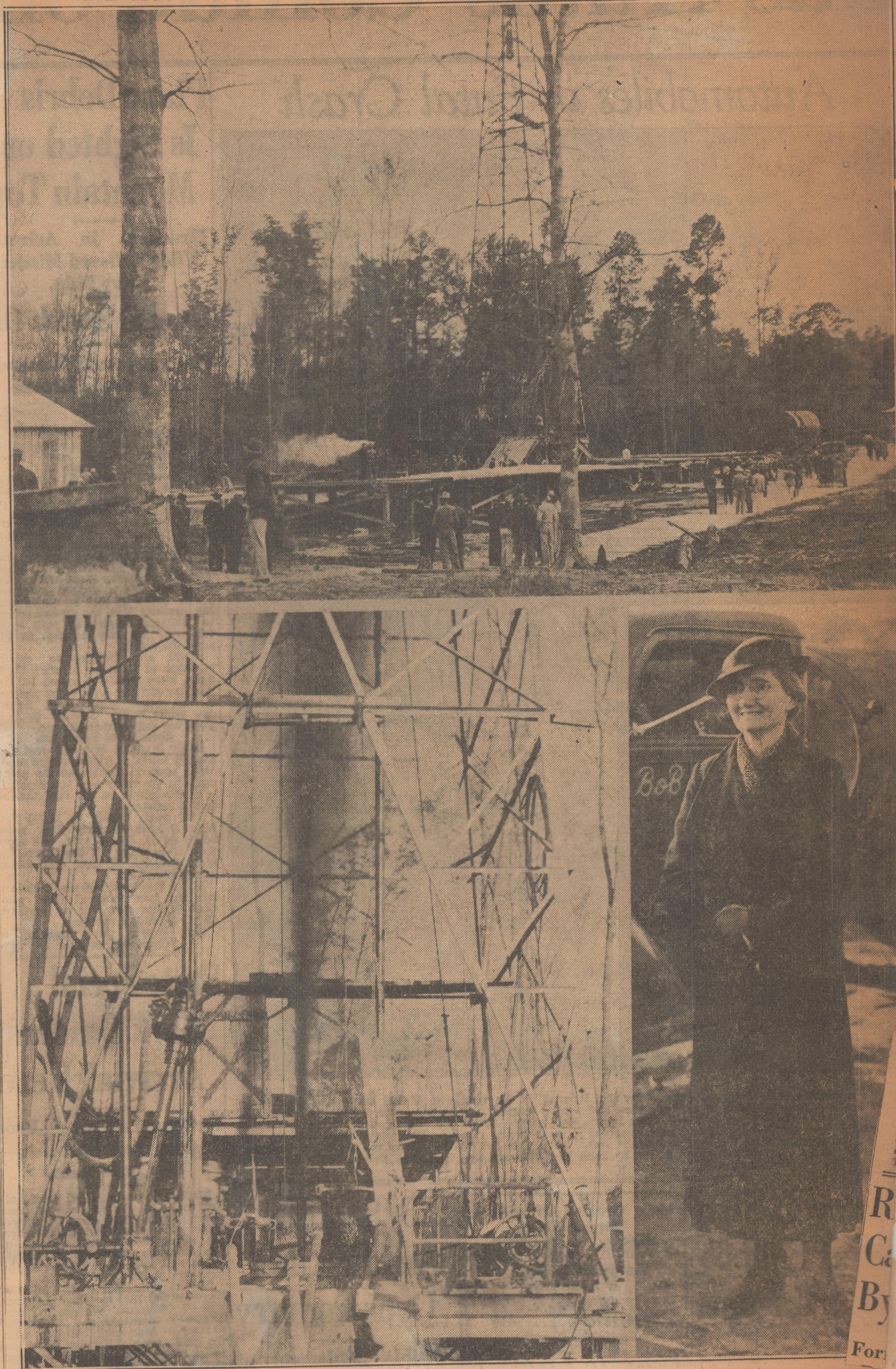
Card sharps came following in along with tin horn gamblers, swindlers, hijackers, prostitutes, bootleggers, and all the buzzards who feed on human frailties. Millionaires rolled in from the East in their private cars. The world was visiting El Dorado.

Out on "Pistol Hill" and in "Shotgun Valley," en route to the discovery well, vice flourished and guns roared. Peace officers were unable to cope with vice rampant. Dice rolled, greasy cards flipped, and dance music smote the balmy air from twilight until dawn. This staid conservative Southern town had become another roaring camp and the bonafide citizens were bewildered by such goings-on.

For 16 years this writer has preached like another John the Baptist the coming of a series of oil fields in south Arkansas and it is no surprise to see Colonel Barton walk out and bring us a new one. Who is next? What are you guys doing down in Columbia county and Miller county? Let's have the oil, boys.

Scenes at El Dorado's Discovery Well

Democrat 4-6-37



Oil operators, drillers, laborers, equipment men, landowners and mere spectators crowded about the Edna Morgan No. 1, Discovery well (top), 17 miles south of El Dorado yesterday as the drill crew made last preparations to bring it in. In the lower left picture the camera caught the first gush of "black gold" as it blew in at 4:05 yesterday afternoon. Her family has tilled the soil on which she stands for generations, but Mrs. Edna Morgan (lower right), for whom the discovery well was named is a rich woman now because Lion Oil broke the soil far deeper than any plow could ever penetrate. Mrs. Morgan is the owner of several hundred acres immediately surrounding the new discovery and has retained 50 per cent of her leases, she said yesterday. The above picture was taken shortly after the oil began to flow.

Morgan Well Pinched Down

"Fraternity" Watches as Owners Experiment With Gusher.

El Dorado—The Shuler wildcat of the Lion Oil Refining Company in section 18-17, near Shuler, continued with its good showing of both oil and gas today, although it was pinched down again from its flow of yesterday.

The well, the Edna Morgan No. 1, was back to making oil at the rate of 12 barrels an hour, and around three and one-half million cubic feet of gas, through a quarter-inch choke on two-inch tubing.

Experiments were made throughout most of yesterday with the use of different sizes chokes and the well's production increased each time the size of the choke was enlarged. The well flowed at the rate of 26 barrels an hour and six million cubic feet of gas daily through a half-inch choke, and then worked up to 31 barrels an hour and eight million cubic feet of gas per day.

The company is expected to continue experiments with the flow today and tests to determine bottom-hole pressure are scheduled for this afternoon.

Reports were current of locations being cleared for new tests but no announcement was made of actual start of additional wells. It is the general belief that a drilling campaign will get under way shortly but most operators appeared inclined to wait a few days longer.

Brought in from around the 5,500-foot level, the well apparently located a new sand. Oil men watched the experiments closely. No trace of salt water developed during the past two days.

New Lion Test Continues As Big Producer

Special to the Gazette. 4-8-37
El Dorado, April 7.—The Lion Oil Refining Company's Edna Morgan No. 1 well, which was brought in Monday, increased its flow tonight to 26 barrels of oil and 6,000,000 cubic feet of gas an hour through a half-inch choke on a two-inch tubing.

The well had been producing 11 barrels of oil and 3,500,000 feet of gas through a smaller choke. At one time this afternoon, the well was allowed to flow through a three-quarter inch choke, and made 31 barrels and 8,000,000 feet of gas an hour.

The test, deepest in the south Arkansas field, is in section 18-17-17, in the Shuler area of Union county.

No Trace of Salt Water.
There has been no trace of salt water since the well started flowing Monday afternoon. Gravity of the oil now being produced is even higher than that shown in the drill stem test, and that made when the well first started flowing. The oil made in the drill stem test tested about 37 degrees gravity, and that in the first production Monday was about 41 degrees gravity. The oil tested 46 gravity today. Temperature of the oil is low, that in the storage tanks being reported at 42 degrees.

The flow of the well is going into a separator with the gas burning through a flare.

May Make Experiments.
It is reported that operators plan to allow the well to flow as at present. Experiments may be made through change of the choke and connections to determine what kind of a producer it is to be expected ultimately from the deep sand not heretofore encountered in Arkansas.

Because of the strong pressure of the well, some difficulty has arisen over either the failure of the casing seat to hold firmly or the cement to have set hard. The well was reported to have made some mud and cement along with gas and oil. The gas is believed to have broken through from above the oil sand and to have caused a decrease in the amount of oil the well is showing. Operators have discounted some of the reports and have not announced plans for any changes in the operation of the well other than the experimenting expected to be made by the crew in changing the connections to determine the type of producer.

Since the first estimates made by oil field followers Monday that the well was producing 5,000 to 6,000 barrels of oil a day, oil men have hesitated to make an estimate of the ultimate production because of the pinched down tubing due to the high pressure built up in the well. Officials of the Lion company have declined from the start to make an estimate on the production.

Pipe Line Ready.
The 14-mile four-inch pipe line from the Lion's new well to the Constantine tank farm at the refining plant here was completed yesterday afternoon, but no oil or gas has been run through the line. It was planned to put oil or gas through the line as soon as it was completed, but the oil is being run through the separator into storage tanks and the gas is being allowed to burn in a flare. It was reported that the oil will be put through the line when the tanks at the lease are filled.

Further production tests with various sized chokes were made on the well late this afternoon and unconfirmed reports were that the production showed an increased ratio with larger chokes and the gravity of the oil lowered when the choke was increased.

More Wells Planned.
Reports of additional tests to be drilled in that area continued, but no announcement of actual location has been made. It was reported that at least three firms in addition to the Lion company plan to start tests immediately, but these reports could not be confirmed and no permits have been issued.

Reports from the Lion office were that the company would wait several days for a "breathing spell" before further tests are started on its holdings in the area. The company has more than 6,500 acres under lease in the vicinity of the Morgan well.

Lion Oil Company Plans Dock On Ouachita Near Calion.

Special to the Gazette. 4-8-37
El Dorado, April 7.—The Lion Oil Refining Company of El Dorado has submitted an application to the United States engineers office at Vicksburg, Miss., for approval of plans for construction of a dock on the right bank of the Ouachita river at Champagnolle Landing, four and a half miles below Calion, Union county, it was announced today.

Plans submitted show a T-shaped dock six feet wide, extending from the top of the bank to the water's edge at pool stage of the pool at lock and dam No. 8, a distance of 46 feet and a length of approximately 315 feet parallel to the river. The dock would have four clusters of piles in front and would support two four-inch pipelines.

Lion Well Continues Steady Flow

Special to the Gazette. 4-9-37
El Dorado, April 8. — Opened last night to show increased production, the Edna Morgan No. 1 wildcat producer of the Lion Oil Refining Company, in the Shuler area, west of El Dorado, was placed back on a quarter-inch choke today and production was reported at the same rate.

When opened to a half-inch choke the well produced at the rate of 28 barrels of oil an hour and 6,000,000 cubic feet of gas daily, compared with 26 barrels of oil an hour and 3,500,000 cubic feet of gas daily through a quarter-inch choke.

Further experiments to determine the type and size of producer to obtain best production will continue, although company officials termed the well completed.

Bottom hole pressure tests were made late today but the result was not available tonight.

No showing of water has been found in the oil produced, Lion officials said.

New Tests Planned.
Unconfirmed reports were circulated today that the Marine Oil Company and Lion Oil were clearing locations for new wells. Officials of the Lion said that it would be at least several days before work would be started on additional tests.

Townsite lots are being offered for sale at Cairo, 10 miles west of El Dorado, on the Magnolia highway. Cairo is expected to be the "boom town" of the new Shuler area. Promoters are offering for sale "surface rights only," retaining all mineral rights on the land.

Edna Morgan Well Crews Get Bonuses

Special to the Gazette. 4-10-37
El Dorado, April 9.—Members of the drilling crew and supervisors on the Edna Morgan wildcat test of the Lion Oil Refining Company, in section 18-17-17, which is expected to open a new field of drilling activity and production in south Arkansas, received bonuses from the Lion company today.

Each of the drillers in charge of the three crews received a bonus of \$50.

They are L. V. Portier, L. W. Carter and Jess Petty.

The 12 members of the three drilling crews received \$25 each. They were: W. H. Burrell, Jack Rogers, W. M. Williams, W. L. Phillips, R. C. Lemman, Pete Welch, T. D. Templeton, W. H. Hargate, L. R. Frizzell, D. D. Horn, D. L. Labethy and J. H. Andrews.

Vernon Hays, drilling superintendent of the Lion company, and Homer Keel, official of the Delta Drilling Company, which drilled the well, received suits of clothes.

Plans were made here for a campaign to raise a community "pot" for the crew. It has been the custom in El Dorado for several years to award the crew of the discovery well in any new area with a fund raised by popular subscription.

Well Closed for Tests.
The Edna Morgan well remained closed today while a series of tests is being made. The well was closed at midnight last night.

Tests are being made by the Parks Engineering Company of Houston, Tex. They will include bottom hole and flow tests.

In the bottom hole test an instrument is lowered in the casing to the producing formation and the pressure there is recorded at the top of the well.

Although the pipe line has been completed to the well, no gas or oil has been run through to the refinery here. The Lion company is reported to have approximately 1,000 barrels of oil in storage at the Morgan lease, but none will be transported to the plant until a sufficient quantity to operate the line has accumulated. Gas from the well can be used in operating the refinery.

Conservation Board to Meet.
An adjourned session of the Arkansas Board of Conservation will be held tomorrow morning to adopt regulations for the development of the Shuler area. Spacing rules and regulations and rules to govern the setting of casing also will be adopted. O. C. Bailey, chairman, will preside.

Another Wildcatter Planned.
Operations on a new wildcat test in Union county will be started in a few days, according to an announcement here tonight by independent operators. It will be drilled in the southern part of the county, adjoining the block of acreage assembled by the Standard Oil Company of Louisiana in the Junction City area.

The new well will be the S. L. Robins No. 1, and will be drilled by C. E. Travis, East Texas Independent, and V. V. Bull, El Dorado operator, in section 12-19-16. Exact location will be 700 feet west and 330 feet north of the southeast corner of the southwest quarter of the northeast quarter of the section. The well will be about six miles north of Junction City and 10 miles southeast of the Shuler producer of the Lion company.

The Robins well will be the first test started since the showing made in the Lion's produce. The test adjoins the Standard company's 6,500-acre block. The new well will be drilled in the center of the territory which has been placed back on a quarter-inch choke for several weeks.

Construction work has been started on the 112-foot steel derrick. The well will be drilled to a depth of 5,500 feet to the Morgan sand encountered in the well. Travis and Bull have a block of about 2,500 acres in and around section 12-19-16, which was assigned to them by Bruce Hunt.

DRILLING RULES AGREED ON FOR NEW OIL FIELD

Safety Declared First Consideration.

Gazette 4-11-37

By EDGAR B. CHESNUTT.
(Staff Correspondent of the Gazette.)

El Dorado, April 10.—Formulation of a set of permanent rules, aimed at safe operations for maximum production without waste, opened the way today for development of the new Shuler oil field 14 miles west of El Dorado, to begin on a big scale next week.

The rules were drafted by the state Board of Conservation after a hearing this morning at the courthouse, at which both large and small operators expressed opinions freely, sometimes bitterly.

Regulations include:
Only one well will be allowed to every 10 acres, each well being located at least 330 feet from the property line. In tracts smaller than 10 acres, application must be made for a special permit, after which the board will give notice of a hearing, and if no objections are filed, a special permit will be granted.

At least 100 feet of surface casing using 25 sacks of cement must be set. At least 1,600 feet of intermediate casing must be set, cemented from top to bottom.

The plug must have 300 sacks of cement and allowed to set for not less than five days.

The oil string must be 24-pound, seven-inch pipe or its equivalent in weight. Blow-out preventers must be sufficient to withstand a 5,000-pound pressure when closed or 2,500 pounds working pressure.

Opinions at Variance Over Size of Tracts.

Considerable feeling developed at the hearing over the size of the tract per well. Dr. J. S. Rushing, an independent operator, argued against hastily fixing a set of permanent rules until further investigation as to the extent of the field could be made.

Col. T. H. Barton, president of the Lion Oil Refining Company who is credited with being responsible for the discovery of the new field, which is in a sand 5,559 feet deep, the deepest in the state, urged that safety be considered first in any rules. Referring to the strong gas pressure that has developed in his company's well, he asked the board to require that precautions as to casings as well as spacing be considered carefully.

Charles Murphy, El Dorado banker, asked the board to make a ruling that would be beneficial from the standpoint of the public. "If too many wells are allowed, and they cost too much, the public will suffer because the public buys the oil," he said.

O. C. Bailey, chairman of the board, presided. Other members present were Ed Hollyfield, Robert J. Short, Alfred MacMillan, all of El Dorado, and J. D. Reynolds, Camden.

C. E. Harris, chief conservation agent, began issuing copies of the regulations to operators a short time after the hearing closed and the board's decisions reached.

Other Wells Planned For Deep Oil Area.

Indications are that drilling of half a dozen wells in the new area will begin as soon as spotting of wells could be completed.

The Lion's well, the Edna Morgan No. 1, brought in last Monday afternoon, was shut down last night for a series of tests as to gas pressure, flow, temperature at the bottom, and other features.

The well was re-opened this afternoon on a quarter-inch choke and production continued. The flow through this small

opening exceeds 500 barrels a day and 3,500,000 cubic feet of gas. Lion officials said that oil from the well, being stored in nearby tanks, would be turned into the \$40,000 pipeline completed about the time the well was brought in, and directed into the refinery. Results of the checks last night will be tabulated and the best choke decided and used. Gas from the well will be used in forcing the oil through the pipeline.

All Lines of Business Brisk in El Dorado.

The planned drilling already has begun to be reflected directly and indirectly, in the business of El Dorado. Supply houses are leasing and seeking sites, hotels and restaurants are working extra shifts to accommodate patrons, and retail prices have shown some increase, although not as great as occurred during the early days of the first boom here 15 years ago.

The New Deal boom, as the present one is being called, is expected to be more orderly than the early-day boom. There seems to be an air of confidence that the new field will be much more permanent because of its great depth.

But the excitement among the residents and visitors is running as high as it was in 1921 and 1922.

Nearly every person seen on the street had a map or a handful of leases or other instruments. Hotel lobbies were full of lease and royalty seekers who buttonholed landowners or lease holders.

Prices of royalties reached \$1,000 an acre today when one tract of five acres figured in a deal at this price. Prices higher than this have been refused for land in the immediate vicinity of the well.

County Officials 'Put On Spot' by New Oil Boom.

The activity has resulted in an unusual condition in the Union county courthouse. Under the salary act voted by the people, the circuit clerk is limited to three deputies, who are sufficient in normal times. The county clerk is allowed two. But the increased business in these offices, because of the oil boom, has piled up work in both. Although the county has more than \$20,000 in the treasury and County Judge Clyde Byrd is anxious to hire additional deputies for the two offices, he cannot under the salary act. "Only an act of the legislature can remedy the situation," he said today. There has been some thought of asking Governor Bailey to call a special session.

Circuit Clerk L. B. Smith said that his staff is more than two months behind in some work. Pulling out his

record, the pointed to filing fees on March 18, the day before the discovery well showed indications of oil. They

Seek Orderly Development Of New Field

Gazette 4-11-37

One Well to 10 Acres, Rule—Locations Made for New Tests.

El Dorado—With the Lion Oil Refining Company's Edna Morgan No. 1 well ready to start pouring both oil and gas to the large refinery here, all indications point toward immediate launching of an active drilling campaign in the Shuler area and another "boom" for El Dorado.

No mad rush has been started to drill new tests but announcement was made Saturday of the start of the second well near Shuler, and many more are expected to follow. The Lion company already has announced that development of extensive holdings will proceed at once, and several other companies and individual operators having holdings in that vicinity have indicated that they will follow the lead of the company that struck the new deep sand and opened another oil field for south Arkansas.

The first new test to be announced is the Hustiss No. 1 of the Marine Oil Company, in section 18-18-17. Exact location of the well has not been announced, pending completion of survey work, but it will be on the 40-acre tract adjoining on the north the Morgan property on which the producer is located. Work will proceed at once toward clearing of the location, erection of derrick and moving in rig.

Announcement of new tests by the Lion and other companies is expected to be made the first of the week.

Meanwhile the production from the well, located in section 18-18-17, continues about the same as during the last few days. It was closed in most of Friday and Friday night for bottom hole pressure tests and flowage tests, but was reopened Saturday morning. The well is making at the rate of 12 barrels of oil hourly and three and one-half million cubic feet of gas daily. Lion officials announced that pressure and flowage tests had been completed but stated that the figures had not been compiled and results of the tests would not be announced for several days. It was also indicated that additional tests to determine the best oil-gas ratio will be made.

Running of oil to the refinery here through the recently completed four-inch line started Saturday night. Gas will start through the line Sunday.

Adoption here Saturday of special rules and regulations for orderly development of the field was believed to have removed one of the last obstacles to a drilling campaign.

The Marine company test was the second new test to be announced in the last few days. Friday night C. E. Travis, East Texas operator, and V. V. Bull, El Dorado man, announced a test to be known as the S. L. Robins No. 1 in section 12-19-18, adjoining the big block assembled by the Standard Oil Company in the vicinity of Junction City. Derrick has been erected and it is understood that drilling will begin in search of the Morgan sand, which was encountered at 5,559 feet by the Lion at Shuler.

Regulations Adopted.
Regulations for the orderly development of the new Shuler oil area west of El Dorado were adopted by the Arkansas State Conservation board Saturday after an open hearing was held at the courthouse to get the opinions of operators and prospective operators in the new field.

Spacing of wells and the setting and cementing of casing were the two main objects on which regulations were sought and needed.

The board issued rules that wells should be spaced one to every ten-acre tract, the well being 330 feet from the property line, or in the center of the ten-acre tract, thus

making four wells to each forty-acre tract.

An operator who seeks to drill a well on a tract of land of less than ten acres must file an application for a special permit and ten days' notice is to be given, and if no protest is filed by adjoining land or lease owners the permit will be issued.

Casing regulations require that 100 feet of surface casing must be set, with at least 25 sacks of cement being used. An intermediate string of casing must be set at least 1,600 feet in the hole and cemented from top to bottom. The oil string must consist of 24-pound, seven-inch pipe or other sized pipe equivalent in weight, and cemented with not less than 300 sacks of cement. Casing must be allowed to set for five days before the plug is drilled.

Blowout preventers must be used, and connections must be used that are of sufficient strength to withstand 5,000 pounds closed in pressure and 2,500 pounds working pressure.

At the hearing considerable discussion was presented on the spacing problem. Col. T. H. Barton, president of the Lion Company, declared that spacing should be made so as to get the maximum ultimate production from the sand and stated that he had no definite suggestion to make as to the best spacing to be used but he indicated that he was of the opinion that wells should not be spaced too close together.

C. H. Murphy, owner of extensive holdings in the new Shuler area, stated that he was of the opinion that with the high gravity oil in the Shuler area and the high gas pressure the oil would drain from a larger area than in the Smackover field where the gravity is low and the gas pressure weak, and suggested that wells be spaced on larger tracts.

Dr. J. S. Rushing, head of the Alice Sidney Oil Company which has operated in the Rainbow City field and in the East City field and in East Texas, declared that land and lease owners should be allowed to drill wells on as small tracts as they please so long as they had the money to finance the well. He declared that large companies spaced wells far apart to freeze out the small lease owners, and then develop the area to suit themselves.

John Trimble, independent, declared that there would be difficulties, no matter what the spacing rule is, and suggested that one well to ten acres would cause less trouble than restricting one well to 40 acres or to let operators drill on any sized lease.

In discussing the setting of casing, operators were of the opinion that an intermediary string of casing should be set below the Wilcox sand at about 1,550 feet, as that sand has proved "tricky."

Members of the conservation board present at the hearing were O. C. Bailey, chairman, Alfred MacMillan, R. J. Short and Ed Hollyfield, all of El Dorado, and J. D. Reynolds of Camden.

State Sells Land in Oil Area, \$1 Acre

Gazette 4-11-37

Their dreams of sudden wealth soaring from "bringing in" of the Edna Morgan oil well near El Dorado, speculators and oil company scouts jammed the state Land Office last week to purchase tax-forfeited land in the south Arkansas oil field area, Land Commissioner Otis Page said yesterday.

"Because the Land Office can do nothing else under existing laws, we have sold for \$1 an acre tracts which may be worth hundreds of thousands of dollars if the expected 'deep oil' boom develops," said Mr. Page.

"For weeks before the 1937 legislature convened, I urged passage of an act to create a state Land Use Committee to prevent just this type of sacrifice of state owned lands. No such act was passed. When a person properly applies for tax forfeited lands, pays the current year's taxes and those for two subsequent years and \$1 an acre plus a very small cost, we have no alternate but to sell."

Demand Brisk. He opened one of his record books to show that of 121 separate tracts in Columbia county certified to the state late Wednesday for delinquent 1933 taxes, 89 tracts have been purchased. Thirteen of the remaining 32 tracts have incomplete descriptions and thus a clear title to them cannot be obtained. Most of the speculation is in Union, Miller, Lafayette, Columbia and Nevada counties.

"The scouts and speculators have bought up a lot of those 'cloudy title' lands," the commissioner said.

He revealed the finding and purchase of a "lost" 40-acre tract one mile from the Edna Morgan producer, as an example of what lack of a land use survey may cost the state in revenue.

An applicant applied for a donation certificate on a 160-acre tract in 1930. Two years later he obtained a donation deed, having fulfilled the requirements for homesteaders. Through some unexplained circumstance, the deed was for 120 instead of 160 acres.

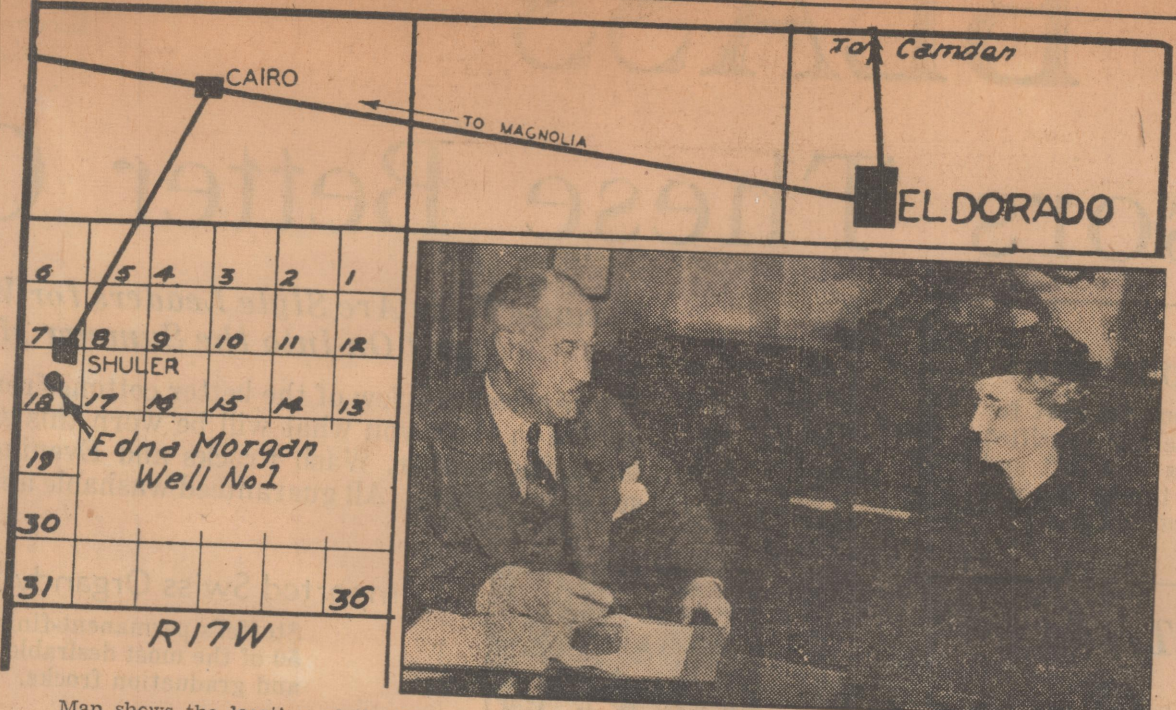
Lost 40 Found. Last week a speculator who knew that the homesteader had not obtained a full quarter section—160 acres—sought to buy the "lost" 40 acres. Land Office employees checked the records. The land cost the speculator slightly over \$40. It may become worth hundreds of thousands.

"Under a land use policy, state owned lands would be surveyed to determine their value, and they would be sold for value determined, not for \$1 an acre," Mr. Page said.

He explained that some landowners opposed the land use policy because under present laws they can let prop-

LOCATION OF NEW WELL AND ITS OWNERS

Gazette 4-11-37



Map shows the location of the Lion Oil Refining Company's Edna Morgan well No. 1 in the new Shuler area Union county.

Mrs. Edna Morgan, owner of the land on which the well is located and Col. T. H. Barton, president of the Lion company, met for the first time yesterday morning. They are shown in Colonel Barton's office examining some of the block borings from the Edna Morgan well.



Offsets To Morgan Well Planned

April 13, 1937

Special to the Gazette. El Dorado, April 12.—It is expected that three new test wells in the vicinity of the Edna Morgan No. 1 discovery producer of the Lion Oil Refining Company in Section 18-18-17, Shuler area of Union county, will be started soon although permit has been issued for only one.

The permit for the new test was issued today to the Marine Oil Company which has extensive operations in the Urbana field southwest of El Dorado. The Lion Oil Company is expected to announce location for an offset test to the discovery well soon, and the Phillips Petroleum Company, which has a half-interest in the discovery well and extensive holdings in the Shuler area, also will drill a test soon.

The Marine test will be the Justiss No. 1. It will be located 330 feet east and 330 feet north of the Southwest corner of Lot 7 in the northwest quarter of Section 18-18-17. The well will be on the 40-acre tract north of the Lion discovery well.

Offset On 80-Acre Tract. The Lion Oil Company is expected to drill an offset test east of the discovery well, on an 80-acre tract in the same lease as the discovery well.

It is expected that the Phillips Petroleum Company will drill its test to the west of the discovery well.

Because of the large block of holdings of the Lion and Phillips companies in the area around the discovery well, most of the lease buying has been removed from the location of the test and limited to routine protection along trends. The favored directions for lease and royalty trading have been northwest toward Mt. Holly and southwest toward Junction City where the Standard Oil Company of Louisiana has assembled a big block and is making sismograph tests.

To Drill Near Junction City. In the northern part of the Junction City area, about 10 miles southeast of the discovery well, a derrick is being erected by C. E. Travis and V. V. Bull, local operators and it is believed that drilling will start in a few days. The test will be the S. L. Robbins No. 1, 700 feet west and 330 feet north of the southeast corner of the southwest quarter of the northeast quarter of Section 12-19-16, on a 2,500-acre block assigned over to the two operators by Bruce Hunt.

Oil Pumped From New Well. First of the oil from the new Shuler well is being pumped to the Lion's refinery plant here through the company's four-inch pipe line. As soon as the oil in storage on the lease is pumped to the plant, gas will be placed in the line to operate the refinery, which uses considerable gas. Gas will be run through the line until sufficient oil

has accumulated at the lease to make a "run," then oil and gas will be placed in the line alternately.

Production of the well remains at the rate of about 12 barrels an hour and three and a half million cubic feet of gas a day, through a quarter-inch choke on the tubing.

Cost figure top of column opposite page.

were \$22.25. The next day fees totaled \$108.17.

"Today our filing fees are running about \$250 a day," Mr. Smith said. This increase is in the number of mineral deeds, quitclaim deeds, leases, suits to clear titles, etc., that have been filed for record.

In the county clerk's office the number of land redemptions being made daily has reached amazing proportions. This increased work, added to that growing out of the approaching term of court, has caused officers to wonder how they can meet the demands on them.

Ironically enough, the increase in the county clerk's office has included a big gain in the number of marriage licenses issued, along with the additional Probate Court matters arising as estates are straightened out for selling royalties, leases of land.

Area Obtains Name From Once Thriving Community.

While the word "Shuler" was on the tongue of everybody today, few gave thought to its origin.

Shuler at one time was a thriving little community west of El Dorado. Shortly after the Civil war, when Jacob Shuler was postmaster at El Dorado, residents of the community petitioned the Postoffice Department for a postoffice there. They suggested the name "Ibex" for their little settlement. Jacob Shuler gave the would-be Ibexians every assistance possible in obtaining their postoffice, but the first effort failed.

The postal authorities at Washington replied to the petition by citing the fact that there already was one "Ibex" in Arkansas, and a second postoffice of that name could not be established. So the residents of the community, appreciative of the El Dorado postmaster's assistance, asked that their town be named for him. This was done. Mr. Shuler died in 1903.

Four of his children live here. They are Mrs. Helen S. Henry, Mrs. John V. McKinney, Mrs. R. N. Benson and Stone Shuler.

To Set Casing For New Deep Sand Test

Special to the Gazette. 4-20-37

El Dorado, April 19.—Drilling operations were started today and plans made to set surface casing on the Justiss No. 1 test of the Marine Oil Company in Section 18-18-17, a north offset to the Edna Morgan No. 1 producer discovery well of the Lion Oil Refining Company in the Shuler area west of El Dorado.

After the well was spudded in plans were made this afternoon to set 100 feet of surface casing which, according to

regulations of the Arkansas state Board of Conservation, requires 25 sacks of cement. It is expected that drilling below surface casing will be started tomorrow night or Wednesday.

The Justiss test is located 330 feet east and 330 feet north of the southwest corner of lot 7, in the northwest quarter of Section 18-18-17.

New Lion Test.

The Lion Oil Company this afternoon had completed digging the cellar for its Morgan B-1 well, an east off-set to the discovery well, and plans are being made to start erecting a 136-foot steel derrick tomorrow. The derrick is believed to be the tallest ever used in south Arkansas. The Lion's new well is located 330 feet east of the west line and 330 feet north of the south line of the northwest quarter of the southwest quarter of Section 18-18-17.

Though no announcement has been made by officials, the Phillips Petroleum Company is expected to make a location in a few days for a west off-set to the Lion's discovery well, and announcement of location by an independent producer also is expected soon.

North of Junction City, in Section 12-19-16, H. C. Detrick is expected to spud in tomorrow or Wednesday on his S. L. Robbins No. 1 test, which will be a deep test to the Morgan sand encountered at 5,559 feet. The test is located 700 feet west of the east line and 330 feet north of the south line of the southwest quarter of the northwest quarter of Section 12-19-16, in the center of a 2,500-acre block, assigned to Detrick by Travis & Bull to whom the block had been assigned by Bruce Hunt who assembled the block.

To Drill in Urbana Area.

The McCreslenn Oil Company of El Dorado obtained permit to drill another test on its lease in Section 3-18-13, in the Urbana section. The new test will be the Atkins No. 5, and will be located 330 feet north and 330 feet east of the southwest corner of the southwest quarter of the northeast quarter of the section. Drilling operations are expected to start soon. The same rig used to drill the Hadley No. 3 will be used. The company also obtained a permit to plug and abandon the Hadley well which failed to make a producer. The test was located 330 feet south and 330 feet west of the northeast corner of the northeast quarter of the southwest quarter of the section.

A new wildcat test will be drilled in Ouachita county, 11 miles west of Camden, by H. H. Taylor. The test will be the Joe McCree No. 1, and will be located in the center of the northwest quarter of the southwest quarter of the northwest quarter of Section 21-13-19.

The test is a wildcat well in un-proven area, and no announcement has been made as to when drilling operations will be started or to what depth the well will be taken.

Deepening of Many Wells Is Expected

Democrat 4-16-37
Drillers Expected to Seek Morgan Sand Near Shuler Area.

El Dorado—Although main interest in oil field activity continues to center on the Shuler field developments and the increasing activity in the Junction City area, attention was diverted somewhat by what appears to be a shallow sand producer in another sector, and a pumper in a proven field.

The latest producer is indicated in the showing reported to have been obtained in the Cordell No. 1 test of the Sklar Oil Corporation of Shreveport, in section 24-17-16, northwest of El Dorado. Casing was set in the well after a good showing in the Nacatosh sand at a depth of 2,150 feet. The well probably will be drilled in next week.

The newest pumper is the Raulston No. 1 of the Penn-Ark Oil Company in section 12-17-14, Rainbow City, said to be good for 200 barrels daily. It is understood that the company will proceed with the drilling of other tests on large holdings in that area at once.

Deepening of a well as the result of the Lion Oil Refining Company's discovery of a new sand in the Shuler area as indicated. The well is the Aaronson No. 1 of H. C. Detrick, in the center of the southwest quarter of the southeast quarter of section 3-18-16, about six miles west of El Dorado. The well was drilled to the Nacatosh sand and work halted, and it is now understood that it will be taken to below 5,000 feet.

It is not known whether deepening operations will be in charge of the original owners or whether other operators or companies will take over the well. The deepening of this well is expected to mark the start of a general deepening program. Similar operations on a number of other tests are being considered at the present time.

Erection of derrick for the second test to be drilled near Shuler has been completed by the Marine Oil Company for the Justiss No. 1, section 18-18-17, just north of the Lion discovery well. Drilling operations are expected to start within a few days, following installation of rig. Captain Roberts, well-known drilling contractor, has the contract.

Gradual increase of the choke on the Edna Morgan well of the Lion has resulted in an increase in production. The latest check shows the well made 301 barrels and over 4,000,000 cubic feet of gas during one 24-hour period.

To the south of El Dorado, in the direction of Junction City, Travis and Bull are reported rigging up for the start of drilling operations on the S. L. Robbins No. 1 wildcat in section 12-19-16.

Lion Oil Gets Permit For New Well

Gazette 4-18-37

Special to the Gazette. El Dorado, April 17.—The Lion Oil Refining Company today announced plans to drill an offset test well to its Edna Morgan producer in Section 18-18-17 in the Shuler area west of El Dorado, and obtained a permit from the Conservation Board.

The test will be to the south and east of the discovery well, and will be 330 feet east of the west line and 330 feet north of the south line of the northwest quarter of the southwest quarter of the section. The well will be the Morgan B. No. 1 well.

Officials of the company said that location is being cleared and cellar for the well is being dug. It is expected that work of erecting a derrick will begin Monday. The same rig used on the discovery well is expected to be used on the offset test.

To the north of the Lion test, the Marine Oil Company is reported nearing completion of rigging up operations on the Justiss No. 1 to be drilled in the southwest corner of lot seven in the northwest quarter of Section 18-18-17.

Although no announcement has been made by officials, the Phillips Petroleum Company, which owns half interest in the Morgan well and extensive holdings in the Shuler area, is expected to drill an offset test west of the Lion well.

Production on the Lion well continued at about 300 barrels a day through a 19-64 to 22-64 inch choke on the tubing with gas production at about 4,450,000 cubic feet per day. Oil and gas are being piped alternately through the Lion pipe line to the refinery.

Following Lion's Strike

More than 245 oil and gas leases have been recorded in the office of Circuit Clerk Carl Cathey, since the Lion Oil Company's discovery well in the Shuler field near El Dorado. Leases and royalty trading have been the most active in many years and extra help has been added in the clerk's office here. The clerk's staff is working day and night recording the instruments.

Marine Company Sets Casing In Its Justiss No. 1 Well.

Special to the Gazette. 4-23-37

El Dorado, April 22.—Operators on the Justiss No. 1 test of the Marine Oil Company, in section 18-18-17 in the Shuler area, west of El Dorado, were setting 1,600 feet of intermediate casing tonight.

One hundred feet of surface casing was set Monday and drilling resumed Tuesday. Under a ruling of the state Conservation Board, the second string of casing must be cemented from top to bottom. At the present rate of drilling, the well as expected to near the Morgan sand at 5,559 feet in about two weeks. The test is 330 feet east and 330 feet north of the southwest corner of lot seven in the northwest quarter of the section. It is a north off-set to the Lion's discovery well.

The Lion is reported completing derrick and rigging on its Morgan B-1, an east off-set to the first Morgan well. It is expected that operations on the off-set will start in a few days. The well is in the southwest corner of the northeast quarter of the southwest quarter of the section.

In the southern part of the county, H. C. Detrick today resumed drilling under surface casing on his S. L. Robbins No. 1 wildcat, which will be drilled to the Morgan sand at 5,560 feet. The test is in the southwest quarter of the northwest quarter of section 12-19-16.

The Cordell No. 1 test of the Sklar Oil Company, in section 24-17-16, northwest of El Dorado, is being standardized as a 30-barrel pumper. The well is the first of a series of 12 wells to be drilled in the area. The second well is expected to be a northeast off-set. The Cordell No. 1 is located in the northeast corner of the southeast quarter of the southwest quarter of the section.

Three Tests Hold Interest In Union

Gazette

Special to the Gazette. 4-23-37

El Dorado, April 21.—Operations on three wells in widely scattered sections of Union county are sharing the attention of the oil fraternity while preliminary work is being rushed for another deep test in the county. Building of a derrick has been started on a wildcat test in the western part of Ouachita county.

Operators on the S. L. Robbins No. 1 deep test of H. C. Detrick in the Junction City area of Union county started drilling Tuesday and surface casing was set today. The well is in section 12-19-16 a few miles north of Junction City and about nine miles southeast of the Shuler area producer of the Lion Oil Refining Company. The test, located 700 feet west of the east line and 330 feet north of the south line in the southwest quarter of the northwest quarter of the section, is expected to be drilled to the Morgan sand at 5,559 feet.

Detrick took over the test from Travis and Bull who had been assigned the 2,500-acre block of leases by Bruce Hunt. Low surface casing are expected to be low surface casing are expected to be resumed tomorrow.

Marine Resumes Drilling.

In the Shuler area the Marine Oil Company today resumed drilling below 100 feet of surface casing on its Justiss No. 1, a north off-set to the Lion producer in section 18-18-17. The Justiss test is located 330 feet east and northwest quarter of the section.

The Lion today completed erection of a 136-foot steel derrick for the Morgan B-1, an east off-set to its producer and began to install the rig. It is expected that the test will be spudded in shortly. The well is located 330 feet east of the west line and 330 feet north of the south line and 330 feet north of the south line of the northeast quarter of the southwest quarter in section 18-18-17.

Cordell No. 1 Completed.

Northwest of El Dorado, the Sklar Oil Corporation is installing pumping equipment on the Cordell No. 1 test, which was completed last night for a producer of about 30 barrels of 33 degree gravity oil a day. The well was completed in the Nacatosh sand at 2,150

feet. Plug was drilled Monday night. The well is the first of about 12 to be drilled by the Sklar Company. It is located 200 feet south and 200 feet west of the northeast quarter of section 24-17-16.

Activity in Urbana.

In the Urbana area southeast of El Dorado, the Marine Company set 235 feet of surface casing on its Thompson B-6 test in section 10-18-13 today. The well is located 330 feet north and 330 feet east of the southwest corner of the northeast quarter of the northeast quarter of the section.

West of Camden, operators have started erecting a derrick for a wildcat test in section 21-13-19. H. H. Taylor of Tulsa, Okla., owns the lease. The well is the H. H. Taylor No. 1 and is located in the northeast corner of the southwest quarter of the northwest quarter of the section. Drilling operations are expected to get under way on the test in about a week.

Lion Begins Third Shuler Area Test

Gazette

Special to the Gazette. 4-27-37

El Dorado, April 26.—Drilling operations on a third test in the Shuler area have been started by the Lion Oil Refining Company, while the Marine Oil Company is preparing to resume drilling operations tomorrow under intermediate casing in its Justiss No. 1 test north of the discovery well of the Lion company.

The Lion company is preparing to set surface casing in its Morgan B-1 well east of the discovery well, in Section 18-18-17. The second well of the Lion company is 330 feet east of the west line and 330 feet north of the south line of the northeast quarter of the southwest quarter of the section.

The Marine company last week set 1,600 feet of intermediate casing with 300 sacks of cement in the Justiss test. The casing, according to regulations of the Arkansas state Board of Conservation, was cemented from top to bottom, being joined at the top to the 100 feet of surface casing.

Drilling operations on the test are expected to be resumed Wednesday morning. The Justiss test is 330 feet east and 330 feet north of the southwest corner of lot 7, northwest quarter of the section.

North of Junction City H. C. Detrick is preparing to resume drilling operations below surface casing on his S. L. Robbins No. 1 wildcat deep test in Section 12-19-16.

The test, a few miles north of Junction City and about nine miles southeast of the Shuler producer of the Lion Oil Company, will be drilled to the same depth as the Lion well in search of production from the Morgan sand. The test is 700 feet west of the east line and 330 feet north of the south line in the southwest quarter of the northwest quarter of the section.

New Shallow Sand Producer In Union County Expected.

Special to the Gazette.

El Dorado, April 15.—Completion of a new shallow sand producer in Union county looms as a possibility soon with the setting of casing in a wildcat test northwest of El Dorado in section 24-17-16.

The well is the Cordell No. 1 test of the Sklar Oil Corporation of Shreveport which is reported to have set casing at 2,150 feet in six feet of oil sand in the Nacatosh sand without making a drill stem test. It is expected that the test will be completed early next week.

The well is 200 feet south and 200 feet west of the northeast corner of the southeast quarter of the southwest quarter of the section.

West of El Dorado in the Wyatt school area, a wildcat test originally planned for a shallow test well is expected to be deepened to the new Morgan sand level.

The test is the Aaronson No. 1 of H. C. Detrick, in the center of the southwest quarter of the southeast quarter of the northwest quarter of section 3-18-16, which is about six miles west of El Dorado and about one and a half miles south of Wyatt school. The well is about 11 miles northeast of the Lion's Shuler well, in section 18-18-17.

No announcements have been made as to whether the original operators who took the well to about 2,000 feet will continue operations on the well or whether other operators will take over the drilling operations.

In the Shuler area, the Marion Oil Company is reported to have completed erection of a derrick on its Justiss No. 1 test north of the Lion's Edna Morgan No. 1 producer. It is expected that a rig will be erected at once, and drilling started in a few days.

The Lion's well produced 301 barrels of oil and 4,425,000 cubic feet of gas today through a 22-64 inch choke on the tubing. Production had been at 12 barrels an hour and 3,500,000 cubic feet of gas daily through a 19-64 inch choke, but the choke gradually has been increased.

In section 12-19-16 north of Junction

City Travis & Bull are reported to have erected a derrick on their S. L. Robbins No. 1 wildcat, and are preparing to start rigging up preparatory to starting drilling operations.

Permit for Third Shuler Test Issued

Democrat 4-18-37
Lion Company About to Drill Offset to Edna Morgan No. 1.

El Dorado—Announcement of the starting of the third test to be drilled in the new Shuler deep sand field to the southwest of El Dorado was made here Saturday.

The Lion Oil Refining Company announced plans for drilling of an offset test to the Edna Morgan No. 1 discovery well, in section 18-18-17. Permit was issued to the Lion Company Saturday.

Located to the south and east of the discovery well, the new test will be in the northwest quarter of the southwest quarter of section 18-18-17. The well will be known as the Morgan B-1.

In making the announcement Lion officials stated that location is being cleared and the cellar for the well is being dug. Erection of derrick on the location is scheduled to start Monday.

The Loan test is the second to be announced since opening of the new south Arkansas field. The Marine Oil Company started several days ago on a test to the north and is now nearing completion of rigging up operations for the Justiss No. 1, in section 18-18-17.

The next well in the drilling campaign anticipated is expected to be by the Phillips Petroleum Company as an offset to the west of the discovery producer.

The Lion's discovery well continues to more than hold its own from the standpoint of production of both oil and gas. It has been making around 12 barrels of oil hourly and at the rate of three and one-half million cubic feet of gas daily through a quarter-inch choke on the tubing but the size of the choke has been changed from time to time as officials experiment with the well, and each time the choke is increased there is an increase in the output of both oil and gas. The latest test showed the well making 301 barrels of oil and over four million cubic feet of gas in one 24-hour period.

Oil and gas from the well are being brought to the big refinery of the company at the southwest edge of El Dorado.

Plans are underway for drilling another highly important wildcat test. This is the S. L. Robbins in section 12-19-16, to the south of El Dorado in the direction of Junction City, near where a large block has been assembled by the Standard Oil Company of Louisiana. H. C. Detrick, oil operator of Tulsa, Okla., has taken over the operation from V. V. Bull, El Dorado operator, and C. E. Travis, East Texas oil man. Heavy drilling material is being moved to the location following erection of the derrick. The location is eight miles from El Dorado and about nine miles from the Shuler producer.

Detrick may also deepen a well to the Morgan sand depth after taking the test down to the Nacatosh sand around 2,000 feet. The well is the Aaronson No. 1, in section 3-18-16, about six miles west of El Dorado and about 11 miles northeast of the Shuler producer.

Operations have been shut down on the well for more than a week, and it was first reported that the hole might be abandoned.

To the northwest of El Dorado testing at the Nacatosh sand depth is expected next week on the Aloce Cordell No. 1 of the Sklar Oil Company in section 24-17-16.

The Pen-Ark Oil Company, backed by Pennsylvania capital, which recently acquired large holdings in and near the proven area of the Rainbow City field, is understood to be planning an active development campaign. This week the first well of the company, Raultston No. 1, in section 12-17-14, was placed on the pump and it is making at the rate of 200 barrels daily. No new locations have been announced.

Probably the next wildcat deep test will be on a block of acreage lying between production at Rainbow City and the old Smackover field. W. D. Wingfield, El Dorado operator, has completed work of assembling a block.

Tests to Be Drilled to New Morgan Sand

Gazette 4-18-37

April 18, 1937

Special to the Gazette.

El Dorado, April 17.—With the exception of one well scheduled to be drilled

by the Marine Oil Company of El Dorado, the expected drilling boom in the new Shuler area west of El Dorado has as yet failed to materialize. However, several tests have been started in the western part of Union county that will be drilled to the new Morgan sand and a test northwest of El Dorado this week set casing in the Nacatosh sand and is expected to be completed some time next week.

Although three companies including the Lion have been reported planning to start work immediately on off-set tests to the Edna Morgan No. 1 discovery producer in Section 18-18-17, only the Marine company has obtained a permit.

The Lion has been reported planning to start work immediately on an east off-set and the Phillips Petroleum Company, owners of a half interest in the discovery well and considerable acreage in the Shuler area, has been reported planning a west off-set.

Wildcat Started.

Ten miles southeast of the discovery well and three miles north of Junction City, C. E. Travis and V. V. Bull, independent operators, have started work on a wildcat test in Section 12-19-16 on a 2,500-acre tract adjoining a large block of acreage assembled by the Standard Oil Company.

Six miles west of El Dorado and 1 1/2 miles south of the El Dorado-Magnolia highway, a test temporarily abandoned at about 2,000 feet is expected to be deepened to the Morgan sand. The test is in Section 3-18-16, 10 miles northeast of the Lion well.

The most promising well in Union county this week is the Cordell No. 1 wildcat test in the Sklar Oil Corporation of Shreveport in Section 24-17-16, about three miles northwest of El Dorado on the Mount Holly highway which set casing this week in the Nacatosh sand and is expected to be completed next week.

Cordell No. 1 Promising.

Operators were reported to have encountered a good oil showing in six feet of sand in the Nacatosh sand at 2,150 feet. Casing has been set and it is expected that plug will be drilled in the test early next week. Operators are reported not seeking a big producer. The test is located 200 feet south and 200 feet west of the northeast corner of the southeast quarter of the southwest quarter of the section.

Completion of the well for a good producer may result in the drilling of other tests in the area in and around Lisbon which was drilled extensively several years ago.

The test west of El Dorado near Wyatt school which is expected to be drilled to the depth of production in the Lion's well in search of the Morgan sand is the Aaronson No. 1 wildcat of H. C. Detrick in Section 3-18-16. The test was originally scheduled for drilling to the Nacatosh sand and was reported to have been drilled to that depth about a week ago without a showing being made. It was announced that plans were being made to drill it to the new level but it was not stated whether the present operators would continue the deepening or whether other operators would take over the test. The well is located in the center of the southwest quarter of the southeast quarter of the northwest quarter of the section about six miles west of El Dorado.

Although the well is 11 miles northwest of the Shuler well and not in the area which is receiving so much lease and royalty play the well will be watched with considerable interest if deepened as it may give some idea as to the extent of the producing sand in the Shuler area.

North of Junction City Travis & Bull have completed erection of derrick and are reported to have started installing rig for their proposed 5,500-foot test.

Test Near Junction.

Travis, East Texas operator, and Bull, El Dorado operator, were assigned a block of 2,500 acres by Bruce Hunt and obtained a permit to start operations. They said that the well will be drilled to the depth of the Morgan sand.

The test is about 12 miles southeast of the Lion's well but is in the general direction that speculators believe that the Shuler formation will extend. The acreage adjoins a big block of acreage assembled by the Standard Oil Company of Louisiana which the Standard has been "shooting" with seismograph tests for the last several weeks. The test is located in the southwest quarter of the northeast quarter of Section 12-19-16.

There has been little activity in the immediate vicinity of the producer in the Shuler area with only one permit issued for a test. The Marine Oil Company obtained a permit for a north off-set to the Lion's well and has erected a derrick and has begun installing a drilling rig. The well is located in the southwest corner of lot 7 in the northwest quarter of Section 18-18-17 on the M. Justiss lease.

Phillips Will Drill.

The Phillips Petroleum Company, which owns a half interest in the Lion's well and drilled the test to a depth of 4,270 feet before turning it over to the Lion company for deepening, is expected to drill an offset test to the west of

the Lion well though no announcement has been made about the test.

Two officials of the Phillips company from Bartlesville, Okla., were in El Dorado this week conferring with Lion officials on spacing of wells and plans for development of the new field. The Phillips company has considerable acreage in the new area and with the Lion company is expected to be one of the major operators in the field.

Spacing of wells in the new area according to rules issued by the Arkansas Conservation Board will be one well to each 10-acre tract with wells to be drilled not less than 330 feet from property lines. In cases where operators wish to drill tests on leases of less than 10 acres an application for special permit must be filed with the Conservation Board and if after 10 days' notice no protest is filed by adjoining land and lease owners, a special permit will be issued.

Regulations also specify that 100 feet of surface casing must be set with at least 25 sacks of cement and that 1,600 feet of intermediate casing must be set and cemented from top to bottom. The intermediate string is believed necessary because of the Meekin sand which is considered "tricky." The oil string must be of seven-inch 24-pound pipe or its equivalent in weight and cemented with not less than 300 sacks of cement and allowed to set at least five days.

Blow out preventers must be used during the drilling operations and connections on the well must be sufficient to withstand 5,000 pounds closed in pressure and 2,500 pounds working pressure.

Second Deep Well in Shuler Field Spudded

Democrat 4-28-37

El Dorado—Start of work on the second test well in the new Shuler deep sand field came late Monday with drilling operations under way on the Justiss No. 1 of the Marine Oil Company in section 18-18-17.

Spudded in Monday afternoon, the crew in charge will set surface casing some time Tuesday on the well, which is a north off-set to the discovery well. Edna Morgan No. 1 of the Lion Oil Refining Company in the same section. Location of the Marine well is 330 feet east and 330 feet north of the southwest corner of lot seven in the northwest quarter of section 18-18-17.

One hundred feet of surface casing will be set with 25 sacks of cement in keeping with the regulation of the Arkansas board of conservation. Drilling operations below surface pipe probably will get under way some time Wednesday.

The Lion is getting ready for its second well on large holdings at Shuler. Plans are near completion for the erection of 136-foot steel derrick for the Morgan B-1, an east off-set to the first producer. The derrick will be one of the tallest to be erected in south Arkansas fields. The Lion well is 330 feet east of the west line and 330 feet north of the south line of the northwest quarter of the southwest quarter of section 18-18-17.

Two other new tests are understood to be in the making, with the Phillips Petroleum Company said to be planning an offset to the west of the Lion producer and an independent producer getting ready to launch a drilling campaign.

H. V. Detrick is about ready to spud in on his S. L. Robbins No. 1 wildcat in section 12-19-16, north of Junction City. Derrick was erected last week and a heavy rig has been taken to the location. This will be a deep test in search of the Morgan sand hit at Shuler.

Permit has been obtained by the McCreslen Oil Company for another test in the Urbana field. The new well is the Atkins No. 5 in the northeast quarter of section 3-18-13. Rig is being moved from the Hadley No. 3 well in the same section which failed to make a producer and it is expected that drilling will get under way within a few days.

Permit also has been obtained for another wildcat test in Ouachita county. H. H. Taylor will drill the new test, Joe McCree No. 1, in the northwest of section 21-13-19. The location is 11 miles west of Camden.

Shuler Field Developments Gain Impetus

Democrat 4-25-37

Rumored Independent Made Four Locations Near Lion Well.

El Dorado—An unconfirmed report here late Saturday was to the effect that an independent oil operator is making four locations for tests in the new deep sand field at Shuler, southwest of El Dorado.

The operator and his close associates could not be reached for a statement due to their absence from the city, but it is known that the man mentioned in the rumor has holdings near the discovery well of the Lion Oil Refining Company and

has been making plans for development.

Meanwhile the Lion Oil Company started operations on its second well, and work on the third test in that area is well advanced. The Lion spudded in Saturday night on the Morgan B-1, an offset to the east of the Edna Morgan No. 1, discovery well, in section 18-18-17.

The Marine Oil Company has set intermediate casing at 1,600 feet on the Justiss No. 1, a north offset to the Lion well.

If drilling operations continue at the pace set during the past week the Marine well is expected to reach the pay depth in about two weeks. Little change was reported in the

production from the Lion producer. The well is said to be making around 300 barrels of oil daily as during the past few weeks.

As most operators apparently were playing a "waiting game" in the Shuler area, news came of a deepening program in the Nevada county field. It is understood that two wells will be deepened at once.

Benedum and Trees have obtained a permit for deepening of the Groves No. 1, in section 10-14-20, discovery well, from the producing sand at 2,200 feet to the Travis Peak at 4,300 feet. The operators will be in search of a sand from which a showing was obtained in the Black well, in section 9, and in event no production is developed at that level, it is understood that drilling will continue until the big lime is encountered.

Grady Vaughn, who has been shut down at 4,400 feet on his well in section 3-14-20, is reported completing plans for the resumption of operations to take the well down to 5,000 feet in search of the lime. An unconfirmed report stated that a deep well may be drilled to the north of the Nevada producing area, probably in section 31.

Sidney Oil Company Drills Third Shuler Test

El Dorado—The third new well to be drilled in the deep sand field near Shuler was announced today.

The new test is the D. S. and J. C. Morgan No. 1 of the Alice Sydney Oil Company, Dr. J. S. Rushing trustee. The well is across a 40-acre tract to the east of the discovery well of the Lion Oil Refining Company.

Exact location is in the northwest corner of the northeast quarter of section 18-18-17. The well is 330 feet north of the discovery well on the Edna Morgan land and lacks 330 feet of being a half mile from the producer.

The company started moving in materials Sunday night and continued through yesterday with constructions of a road to the location. Derrick will be erected immediately and drilling operations will get under way in a short time, Dr. Rushing stated.

The drilling contract was let to the J. I. Roberts Drilling Company, the same firm that is drilling the well for the Marine Oil Company.

Three tests have been started since the Lion Company brought in the first producer from the sand at 5,559 feet, and all of them are being drilled by El Dorado companies.

Fourth Well Scheduled In Shuler Area

4-28-37

Special to the Gazette.

El Dorado, April 27.—A permit was issued today by the Arkansas Conservation Department for the fourth well to be drilled in the Shuler area west of El Dorado and operators resumed drilling operations under surface and intermediate casing in two other tests.

Private Concern to Drill.

The new well will be the D. S. and J. C. Morgan No. 1 test of the Alice Sydney Oil Company of El Dorado, of which Dr. J. S. Rushing is president. Drilling contract for the well was let to the J. I. Roberts Drilling Company, drilling contractors on the Justiss No. 1 well of the Marine Oil Company in the same area.

It is expected that rigging up will be completed and drilling operations started on the Alice Sydney test in about a week. The test is located 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 18-18-17, about 2,400 feet east of the discovery Edna Morgan No. 1 well of the Lion Oil Company and "across a forty" east of the Lion's offset test.

Lion Resumes Drilling.

The Lion Oil Company this morning resumed drilling operations on its Morgan B-1 offset after setting surface casing last night. It is expected that the intermediate string of casing will be set in about four or five days.

The Marine Oil Company today resumed drilling under intermediate casing in its Justiss No. 1 test, a north offset to the Lion's discovery well. Intermediate casing was set last week at

1,600 feet with more than 300 sacks of cement. The well early tonight was drilling below 2,000 feet and is expected to reach the Morgan sand in about two weeks.

Morgan No. 1 Increases Flow.

The discovery well of the Lion company this afternoon was reported to have increased its flow when the choke on the tubing was increased to a half-inch. The well has been producing 300 barrels of oil and 4,000,000 cubic feet of gas daily on a 22-64 inch choke on the tubing. The choke was increased to half an inch Monday and production for the day was 370 barrels of oil and 4,500,000 cubic feet of gas. The oil is of 45 degrees gravity and is piped alternately with the gas to the company's refinery plant here. The discovery well is located 1,980 feet north of the south line and 4,237 feet east of the west line of the southwest quarter of section 18-18-17.

Robbins Well Idle.

North of Junction City, H. C. Detrick still has not resumed drilling operations under surface casing in his S. L. Robbins No. 1 wildcat test in section 12-19-16, about nine miles southeast of the Shuler area. The test is located 700 feet west of the east line and 330 feet north of the south line of the southwest quarter of the northwest quarter of the section.

Deep Test Activity Continues

Special to the Gazette. 4-30-37

El Dorado, April 29.—While drilling operations are being rushed on two deep tests in the Shuler area, west of El Dorado, rigging-up is under way on a third well and surface casing has been set in what is planned as a deep test well in the western part of Ouachita county.

Two Permits Issued.

Two permits were issued today by the state Conservation Department for new wells in Nevada and Clark counties.

The new test in Nevada county is the William Haynie No. 1 test of Clyde Cox, in the center of the northwest quarter of the southeast quarter of the northeast quarter of section 5-14-20. Drilling operations have been started.

The Clark county well will be the Ozan Lumber Company No. 1 test of Carter & Burdick, in the center of the northeast quarter of the northeast quarter of the northwest quarter of section 25-9-19, about nine miles east of Gurdon. The derrick is being erected and rigging-up is expected to be started in a few days.

Marine Below 2,260 Feet.

In the Shuler area, the Marine Oil Company is drilling below 2,260 feet on its Justiss No. 1 deep test in the southwest corner of Lot 7, in the northwest quarter of section 18-18-17, which is to be drilled to the Morgan sand at the 5,559-foot level. The well is a north offset to the discovery Edna Morgan No. 1 producer of the Lion Oil Refining Company.

In the same area the Lion company is drilling below 1,300 feet on its Morgan B-1 test, an east offset to its discovery producer, in the southwest corner of the northwest quarter of the southeast quarter of section 18-18-17.

Alice Sidney Rigging-Up.

The Alice Sydney Oil Company is rigging-up on its D. S. and J. C. Morgan No. 1 test, about half a mile east of the Lion's discovery well, in the northwest corner of the northeast quarter of the southeast quarter of section 18-18-17.

The Edna Morgan No. 1 discovery well, 1,980 feet north of the south line and 4,237 feet east of the west line in the southwest quarter of section 19-18-17, is producing 387 barrels of 45 degree gravity oil and 4,600,000 cubic feet of gas daily through a half-inch choke on the tubing.

Detrick Well Held Up.

North of Junction City, J. C. Detrick is waiting the curing of titles before resuming drilling operations below surface casing on his S. L. Robbins No. 1 wildcat deep test in the northwest corner of the southwest quarter of the northwest quarter of section 12-19-16. The test is about nine miles southeast of the Lion discovery well.

Fourteen miles west of Camden, in Ouachita county, H. H. Taylor has set surface casing in his Joe McCree No. 1 wildcat deep test in section 21-13-19. The test is the first of a series reported to be planned for the western part of Ouachita county.

Three Wells In New Field Get Under Way

Marine Drill Down 2,850 Feet—Urbana Well Is Ready for Test.

El Dorado—One new test is well advanced, another is at the second casing stage, and a third will get under way the first of the week in the Shuler deep sand field.

Meanwhile the discovery producer Edna Morgan No. 1 of the Lion Oil Refining Company, is showing an increase in oil production and the flow of gas is about the same.

The Marine Oil Company is drilling at a depth of 2,850 feet on the Justiss No. 1, in section 18-18-17, an offset to the north of the Lion producer.

Intermediate casing has been set at 1,600 feet in the Morgan B1, in section 18-18-17, second well to be drilled by the Lion company.

The Alice Sydney Oil Company, Dr. J. S. Rushing, trustee, expects to spud in Monday night on the D. S. and J. C. Morgan No. 1, in section 18-18-17, to the east of the discovery well.

As main attention continues to center at Shuler, the past week brought the start of an important deep wildcat test in the county and indications of another producer in the Urbana field. W. D. Wingfield spudded in on the Southern Kraft Company No. 1 in section 18-18-14. The well is between the Rainbow City field and the Smackover field and is regarded as a highly important operation.

The well at Urbana that is expected to make a producer is the Thompson E6, in section 3-18-13. Casing was being set in the well Saturday for final testing. The sand was struck Friday night at a depth of 3,582 feet.

Fourth Deep Test For Shuler Area

May 3, 1937

Special to the Gazette.

El Dorado, May 3.—Drilling operations on the fourth deep test well to be drilled in the new Shuler area west of El Dorado in Union county, were started tonight by the Alice Sydney Oil Company, Dr. J. S. Rushing, trustee, on the D. S. and J. C. Morgan No. 1 test in the northwest corner of the northeast quarter of the southeast quarter of section 18-18-17. It is expected that surface casing will be set in a few days. The Alice Sydney well is about a half-mile east of the discovery Morgan well of the Lion Oil Refining Company.

In the same area the Lion company has resumed drilling operations under intermediate casing in its Morgan B1 test, an east offset to the discovery well. The intermediate casing was set at 1,600 feet and cemented from top to bottom to meet requirements of the Arkansas state Board of Conservation. Drilling was resumed and the well late today was reported drilling around 1,700 feet. The test is located in the southwest corner of the northwest quarter of the southeast quarter of section 18-18-17.

Marine Down 3,400 Feet.

The Marine Oil Company was reported drilling below 3,400 feet on its Justiss No. 1 test, a north offset test to the discovery Morgan well. The Marine is expected to reach the Morgan sand at about 5,550 feet in about two weeks. The Marine test is located 330 feet east and 330 feet north of the southwest corner of lot 7, in the northwest quarter of section 18-18-17.

The Edna Morgan No. 1 discovery well in the center of lot 1 in the southwest quarter of section 18-18-17, is producing 385 barrels of oil and 4,600,000 cubic feet of gas a day through a half-inch choke on the tubing.

North of Junction City, H. C. Detrick was reported planning to resume drilling operations on his S. L. Robbins No. 1 deep test wildcat in section 12-19-16. Surface casing was set last week and drilling held pending curing of titles. The well will be drilled to the depth of the Morgan sand. The test is located in the southwest corner of the southwest quarter of the northwest quarter of the section.

Another Wildcat Test.

Northeast of El Dorado, W. D. Wingfield has started drilling on a wildcat well that is to be taken to a depth of 5,000 or 6,000 feet in search of production in the Permian lime formation. The test is about midway between the Snow Hill deep area in the Smackover field and the Rainbow City deep area east of El Dorado. The Wingfield well is the Southern Kraft No. 1, and is located in the southwest corner of the southwest quarter of the northeast quarter of section 18-16-14.

In the Urbana area southeast of El Dorado the Marine Oil Company has set casing for final testing in the Urbana sand at 3,500 feet in its Thompson B6, in the northwest corner of the northeast quarter of the northeast quarter of section 10-18-13.

Coring On Justiss No. 1 Scheduled

5-16-37

Special to the Gazette.

El Dorado, May 15.—The Justiss No. 1 test of the Marine Oil Company, a north off-set to the discovery producer well of the Lion Oil Refining Company, in section 18-18-17 in the Shuler area west of El Dorado this week is the center of interest of the oil fraternity of south Arkansas as coring operations were expected to be started on the test this week-end.

The test, located 330 feet east and 330 feet north of the southwest corner of lot seven in the northwest quarter of section 18-18-17, was drilling late this week below 5,200 feet and was expected to near the sand Sunday. The Morgan sand was encountered in the discovery well at 5,550 feet and the well is reported to be checking a little "high" as compared with the discovery well and the sand may be encountered at a higher level than in the discovery well.

Coring operations will slow the progress of drilling and it is expected that it will be about the middle of the week before the sand is encountered.

Morgan B-1 Nearing Pay Sand.

Also nearing the interesting stage is the Morgan B-1 well of the Lion Company, an east off-set to the discovery well. The Lion's second well was drilling at a depth below 4,000 feet and is expected to near the sand in about a week. The Lion's test is located 330 feet east of the west line and 330 feet north of the south line of the northwest quarter of the southeast quarter of the section.

Early this week the Lion tested a sand encountered in the second well at 3,165 feet but the test was reported as unsatisfactory. The sand which was believed to be the Tokio was encountered but no cores were taken. The sand was revealed through cuttings when the well was being drilled. A drill stem test was made which showed 17 thribles and one single of oil mud gas and salt water with very little oil and gas being shown. Considerable mud was made in the test and it was reported that the casing seat failed to hold. Operators were reported planning a second drill stem test but decided to pass up the stand and drilling operations were resumed.

The only other test at present being drilled in the Shuler area is the D. S. and J. C. Morgan No. 1 test of the Alice Sydney Oil Company east of the Lion's second well. The Alice Sydney test is drilling below 2,300 feet. The test, which is about half a mile east of the Lion's discovery well, is located 330 feet east of the west line and 330 feet south of the north line of the northeast quarter of the southeast quarter of the section.

Production of oil and gas from the discovery well in the area was reported to have increased this week. The production was gauged at about 400 barrels of oil and 4,000,000 cubic feet of gas per day under a 46-64 inch choke on the tubing. No trace of salt water has as yet been reported in the production. Production from the well is piped through the company's private pipe line to its refinery here. The test is located 1,980 feet north of the south line and 4,237 feet east of the west line of the southwest quarter of the section.

Aside from the activities in the Shuler area a test which is attracting attention of the oil fraternity is the Southern Kraft No. 1 wildcat test of W. D. Wingfield, trustee, in section 18-16-14 northeast of El Dorado between the Snow Hill Deep area in Ouachita county and the Rainbow City deep area west of El Dorado. The test was drilling below 1,800 feet and is expected to be taken to a depth of about 5,000 feet in search of the Permian lime formation. The test is located 330 feet east and 330 feet north of the southwest corner of the southwest quarter of the northwest quarter of the section.

Thompson B-6 Looking Good.

One test which is expected to be a fair sized producer was completed this week in Union county but no report on the production can be made until pumping equipment is installed. The well is the Thompson B-6 well of the Marine Oil Company in section 10-18-13 in the Urbana area southeast of El Dorado. The well was completed at a depth of 3,500 feet in the Urbana sand and operators are now installing pumping equipment. They would make no estimate on the possible production of the well. The test is located 330 feet north and 330 feet east of the southwest corner of the northeast quarter of the northeast quarter of the section.

In the same area the McCreslenn Oil Company was reported to have abandoned operations on its Atkins No. 5

when no showing was obtained at a total depth of 3,667 feet. The test is located 330 feet north and 330 feet east of the southwest corner of the southwest quarter of the northeast quarter of section 3-18-13.

Detrick Still Idle.

H. C. Detrick has as yet failed to resume drilling operations on his Robbins No. 1 proposed deep test wildcat well in section 12-19-16 three miles north of Junction City. Detrick set surface casing at 100 feet on the test and is reported to be curing titles to leases in the vicinity of the well before resuming operations. The test is located 700 feet east of the west line and 330 feet north of the south line of the southwest quarter of the northwest quarter of the section.

Shuler Field Wells Nearing Vital Point

Democrat 5-17-37

Three Tests May Determine Real Value of New Territory.

El Dorado—One of three test wells in the Shuler deep sand field to the southwest of El Dorado is down to an interesting depth, and the two other wells also are rapidly approaching the pay level encountered in the discovery well of the Lion Oil Refining Company, Edna Morgan No. 1, in section 18-18-17.

Most advanced of the wells is the Justiss No. 1 of the Marine Oil Company, in section 18-18-17, which is ready to start coring operations. The well was down 5,466 feet and coring was scheduled to begin Saturday night or early Sunday.

The Marine test is an offset to the north of the Lion discovery well in the same section.

The Lion Company is following close on the heels of the Marine with the drilling of the Morgan B-1, in section 18-18-17. The well is an east offset to the discovery producer and it is now drilling at 4,225 feet. A test was made recently of a sand at 3,100 feet in the Lion well but the hole was deepened when the showing failed to justify setting of casing for final test.

The third test is the D. S. and J. C. Morgan No. 1 of the Alice Sydney Oil Company, in section 18-18-17, a half mile east and slightly north of the first producer. Drilling is in progress at 2,795 feet.

As operators in the area and field followers await hitting of the sand in the new tests, the discovery producer continues to show about the same as during recent weeks. The Edna Morgan No. 1, completed at 5,559 feet, is producing 310 barrels of oil and 4,326,000 cubic feet of gas daily on a half-inch choke, with 650 pounds of pressure on the tubing and 850 pounds on the casing.

Coring operations were started Saturday on another important wildcat test to the southeast of El Dorado. This well is the Southern Kraft Company No. 1, in section 18-16-14, between the production in the Rainbow City and the old Smackover-Norphlet sector. The crew started coring Saturday for the Nacatosh sand at 1,975 feet.

One completion for the El Dorado district was recorded during the past week. This was the Thompson E-6 of the Marine Oil Company, in the Urbana field, to the southeast of El Dorado. The well is being standardized and is expected to produce 100 or more barrels.

Justiss No. 1 Looms As Producer

May 5-19-37

Special to the Gazette.

El Dorado, May 18.—A heavily saturated oil sand with a strong showing of gas was obtained in cores taken from the Justiss No. 1 test of the Marine Oil Company in section 18-18-17 in the Shuler area west of El Dorado today, indicating early completion of a second deep sand producer in Union county.

The core was the fifth taken in the well since operations started Sunday. The core was taken from a depth of 5,589 to 5,598 feet with a nine-foot recovery. The first two feet were green shale and the bottom seven feet were where the saturation was shown. The top four feet of the saturation was broken sand and shale with strong gas showing and the last three feet was heavily saturated with oil.

Coring to Continue.

Company officials said that coring operations would continue for a thorough testing of the formation to determine the thickness of the oil strata. Crews resumed operations late today.

The first core was taken from a depth of 5,538 to 5,554 feet with no showing.

The second from 5,554 to 5,564, showed a little gas. The third core, taken late Monday night from a depth of 5,564 to 5,578 feet, made no showing nor did the fourth from 5,578 to 5,589.

Offset to Discovery Well.

The Marine test which is located 330 feet east and 330 feet north of the southwest corner of lot seven in the northwest quarter of the section is at a 30-foot higher elevation than the discovery well of the Lion Oil Refining Company, the Edna Morgan No. 1, located 1,980 feet north of the south line and 4,237 feet east of the west line of the southwest quarter of the section. The Marine test is a north off-set to the discovery well.

Taking into consideration the 30-foot difference in elevation, officials of the Marine company announced that the Justiss test checked nine feet lower than the Lion's discovery well.

Operators Optimistic.

Operators and others interested in Shuler development were optimistic over prospects for completion of a big producer in the Justiss test. Some predicted that the Marine well may make a larger producer than the Lion well which is producing from three feet of sand at 5,556 to 5,559 feet.

After the formation is thoroughly tested it is expected that a drill stem test will be made of the Marine's well to determine possible production before casing is set for final testing and completion.

Other Tests in Progress.

The Lion company is drilling below 4,705 feet on its Morgan B-1 test, an east off-set to the discovery well located 330 feet east of the west line and 330 feet north of the south line of the northwest quarter of the southeast quarter of the section. The Alice Sidney Oil Company was drilling below 3,450 feet on its D. S. and J. C. Morgan No. 1 test, located 330 feet east of the west line and 330 feet south of the north line in the northeast quarter of the southeast quarter of the section about half mile east of the discovery well.

Discovery Well Continues.

The discovery well continues good production with Monday's production gauged at 316 barrels of oil and slightly more than 4,000,000 cubic feet of gas through a half-inch choke on the tubing with casing pressure of 800 pounds and tubing pressure of about 600 pounds.

Oil Men Watch New Tests in Shuler Area

El Dorado (P)—The oil fraternity here waited today the outcome of the Marine Oil Company's operations at its Justiss No. 1 in the Shuler area, 14 miles east of here.

The company took two cores yesterday, the second containing seven feet of heavily saturated oil sand. It started reaming today.

The well, in section 18-17, is an off-set to the Lion Oil Company's discovery well in that area. The cores were taken at approximately the 5,600-foot level. The first contained seven feet of oil and gas sand, the lower three feet of which was highly saturated. The second contained 12 feet of stratum, the lower seven of which was highly saturated, with good porosity.

Justiss Test Likely To Be Producer

Gazette

5-20-37

Special to the Gazette.

El Dorado, May 19.—The Marine Oil Company announced plans today for setting casing in the Justiss No. 1 test in Section 18-17, in the Shuler area west of El Dorado, following the coring of from 12 to 14 feet of oil sand in a series of seven cores.

The final core was taken this afternoon from a depth of 5,610 1-2 feet to 5,625 feet, which showed four feet of oil sand in the top of the core and the remainder broken shale. A core taken last night at a depth of 5,598 to 5,610 1-2 feet showed broken shale in the top part of the core and five feet of oil-saturated sand in the bottom. A core taken yesterday afternoon from a depth of 5,589 to 5,598 feet showed two feet of green shale in the top part, four feet of gas sand with a showing of oil and three feet of well saturated oil sand in the bottom. The three-foot oil sand from 5,595 to 5,598 is separated from the nine feet of oil sand at 5,606 to 5,615 by about seven feet of broken shale.

Operators announced that the well would be drilled to 5,660 feet where casing will be set and the casing perforated in the oil sands above the 5,625-foot level.

Stem Test Not Necessary.

The showing in the cores was such that Marine officials said that there would be no necessity for making a drill stem test to determine if the well would make a producer.

Field followers said that the oil showings in the Marine well were much better than those in the Lion test and predicted that a larger producer would be completed.

His Namesake: A New Oil Field

Jacob Felix Schuler, for Whom the New Area West of El Dorado Was Named, Was a Native of Switzerland and Was Postmaster for Many Years.

Discovery of a new deep sand oil field west of El Dorado, and the naming of it the Schuler field, has aroused interest in the man for whom the community of Schuler was named, Jacob Felix Schuler.

Mr. Schuler was born in Glarus, Switzerland, February 2, 1834. In 1850, after completing high school, he began making plans for his career and decided that America offered better opportunities for a young man than Europe, so, with the approval of his parents, he sailed, landing at New Orleans. From there, he went to Champagnolle, on the Ouachita river, in Arkansas, and at that time county seat of Union county. He engaged in the cabinet making business, and many homes in Union county still have furniture made in his shop.

After a few years, Mr. Schuler moved to El Dorado. In May, 1861, he enlisted in the Confederate army in Company A, First Arkansas Infantry, and served throughout the war. His company saw service with the army in northern Virginia, and he participated in all the battles in which his regiment engaged, from the first battle of Manassas to Franklin, Tenn.

He was promoted to lieutenant for his gallantry on the field of battle, and had command of his company at the battle of Franklin. He was detailed with a reconnoitering party at Nashville after the battle of Franklin and with Elias Davis and Bob Leverett, the only members of Company A, First Arkansas Infantry with him, was taken prisoner by a large force of the Federal army and sent to prison on Johnson's Island. He was released from prison June 19, 1865. A. S. Morgan, captain of Company A, First Regiment, Arkansas In-



JACOB FELIX SCHULER.

fantry, said of him "The Confederate army had no truer, better soldier than Jacob Felix Schuler."

Mr. Schuler took a leading part in movements for the better interests of the community. One instance was his activity in helping secure the first railroad for El Dorado, the Missouri Pacific. He took an active part in the establishment of the first high school at El Dorado, being a member of the School Board at that time. He was instrumental in establishing El Dorado's first bank and took a leading part in the erection of the first Presbyterian church in El Dorado, of which he was an active member and an elder.

In 1873, Mr. Schuler was married to Miss Louisa Dorsey Lee of El Dorado, daughter of William Dorsey Lee, one of the leading lawyers of south Arkansas, and an outstanding figure in Masonic circles. To Mr. and Mrs. Schuler were born six children, four of whom are now living in El Dorado: Helen S. Henry, Adelle S., wife of J. V. McKinney, Carrie Eleanor, wife of R. N. Benson, and Stone Schuler.

Mr. Schuler served many years as postmaster at El Dorado. It was during this time that the present Schuler community decided to seek a postoffice. Mr. Schuler was asked to assist, and he prepared the petition for presentation to the Postoffice Department. The name "Ibex" was submitted for the proposed postoffice, but this petition was denied because Arkansas had another postoffice by that name at the time. So the residents of the community decided to ask that their postoffice be named "Schuler," and the petition was granted. The postoffice has long since been discontinued. Mr. Schuler was postmaster at the time of his death, November, 1903.

Operators were reaming down to 5,625 feet tonight preparing to resume drilling to the 5,660-foot level. It is expected that casing will be set tomorrow and the plug drilled five days later.

The Marine test, 330 feet east and 330 feet north of the southwest corner of lot 7, in the northwest quarter of the section, is on an elevation 30 feet higher than the discovery well of the Lion Oil Refining Company, the Edna Morgan No. 1, located 1,980 feet north of the south line and 4,237 feet east of the west line of the southwest quarter of the section. The Marine test is a north off-set to the discovery well.

9,000-Foot Test Planned.

The Standard Oil Company of Louisiana obtained a permit for a 9,000-foot deep test to be drilled in the Garland City area of Miller county. It is expected that it will be the deepest test yet drilled in Arkansas. The test will be the Sarah Harvey No. 1, and will be 660 feet north and 660 feet east of the southwest corner of the southwest quarter of Section 33-16-26, about six miles southwest of Garland City. No announcement was made as to when operations will be started.

Two other permits were issued by the Conservation Department today. J. C. Voyles, R. A. Harmon and J. C. Kelly obtained a permit to drill the Sorrells No. 1 test in Section 35-10-16, Dallas county, and Copenhaver and associates of Camden obtained a permit to drill the J. E. Evans No. 1, in Section 20-11-19, Ouachita county.

Justiss No. 1 Ready For Final Casing

Gazette

5-21-37

Special to the Gazette. El Dorado, May 20.—The Marine Oil Company tonight was running pipe in the hole for setting casing on its Justiss No. 1 test in the Shuler area west of El Dorado. Final testing of the well is expected early next week.

Casing and tubing have been on the location for several days while coring operations were under way. It was estimated that about 12 hours will be required for the crew to run the casing in the hole. It is expected that the pipe will be cemented late tonight or early tomorrow. Regulations of the state Conservation Department require that casing be allowed to set for five days before the plug is drilled. Operators may wait longer to allow the cement to harden.

Operators on the Justiss test today ran a Schumberger test in the hole to check the formations. The well was reamed to a depth of 5,660 feet and casing will be set at that depth and perforated back at the 5,625-foot level where more than 12 feet of rich oil sand and strong gas showings were obtained in a series of cores earlier in the week.

Other Drilling Operations. It was reported, but not confirmed, that H. L. Hunt, East Texas and Arkansas operator, will drill a test in Section 18-18-17 if the Marine completed is a big producer.

Operators on the Morgan B-1 test of the Lion Oil Refining Company, an east off-set to the discovery well, are drilling today below 5,139 feet. It is expected that coring will start this week-end.

The Alice Sidney Oil Company, half a mile east of the discovery well, is drilling below 3,982 feet on its D. S. and J. C. Morgan No. 1 test.

The discovery well of the Lion company yesterday produced 336 barrels of oil and 4,000,000 cubic feet of gas through a half-inch choke on the tubing with 800 pounds casing and 600 pounds tubing pressure.

Lion Offset

Gazette

5-24-37

Being Cored

Morgan N-1 of Shuler

Field Believed Near

Producing Sand.

El Dorado — Operations on the Morgan N-1 test of the Lion Oil Refining Company, an east off-set to the discovery well in the Shuler area, began coring operations on the test at 5,416 feet. It was announced that the coring is for the purpose of checking the formation as the well is still more than 100 feet above the level at which oil

sand is expected to be encountered.

There is little difference in elevation between the two wells and the second test is reported to be checking "flat" with the first well, which encountered the producing sand at 5,556 to 5,559 feet. A gas sand was encountered at 5,332 to 5,546 feet and casing was set at 5,554 feet.

Operators on the D. S. and J. C. Morgan test of the Alice Sidney Oil Company, half a mile east of the discovery well, were drilling at 4,465 feet today.

No showing was reported to have been made in a drill stem test today on the Southern Kraft Corporation No. 1, wildcat deep of W. D. Wingfield and associates, in section 18-16-14, northeast of El Dorado. The test was made at a depth of 2,350 feet in what was believed to be the Meekin sand. Location of the wildcat is in a line between the Snow Hill deep area of the Smackover field in Ouachita county and the Rainbow City deep area of Union county, east of El Dorado.

Operators were reported planning to resume coring operations on the Southern Kraft at once.

In the Rainbow City field, east of El Dorado, operators on the W. N. Raulston No. 1 of the Pennark Petroleum Company announced that liner is being pulled in the well in preparation to drill deeper to the Gregory sand at 3,200 feet. The well had been drilled to a depth of 2,980 feet where a small pumpjack was completed.

Operators state that the hole would be cored all the way down to the Gregory sand and that about 600 feet of five and three-sixteenths inch casing will be set and cemented from top to bottom and perforated at 3,200 feet. The test is located in the northwest quarter of the southeast quarter of section 12-17-14.

Strong Gas, Oil Showing In Morgan B-1

Gazette

5-27-37

Special to the Gazette.

El Dorado, May 26.—A strong showing of gas and a little oil were made in a drill stem test late this afternoon on the Morgan B-1 test of the Lion Oil Refining Company in the Shuler area west of El Dorado.

Good oil and gas showings were obtained in cores taken from the well late last night and early today. Operators announced plans to ream down to the bottom of the hole and continue coring for the second oil sand which, in the discovery well and the Marine Company's tests made better showings than the top sand.

Coring on the well was started yesterday and the first showing of gas obtained late last night in a core from 5,555 to 5,566 feet in which a six-foot oil and gas sand was shown. The second core from 5,566 to 5,571 feet showed a two and a half foot oil sand with heavy oil saturation.

The drill stem test was made from a depth of 5,532 feet to which the well was reamed down this morning. The hole from 5,532 to 5,571 feet was tested. In the first four minutes of the drill stem test the gas built up a pressure of 190 pounds and in 15 minutes had built up a pressure of 290 pounds through a half-inch choke on the top and a similar choke on the bottom of the drill stem. This indicated a potential flow as a gas well of from 10,000,000 to 25,000,000 cubic feet of gas a day depending on the choke. A slight showing of oil was made.

Other Activities.

Completion of the Justiss No. 1 test of the Marine Oil Company a north off-set to the discovery well in which casing was set last week is expected tomorrow. Casing was set at 5,660 feet after good showing of oil and gas were obtained in a series of cores at about 5,625 feet. Operators decided to set casing without a drill stem test. Casing was set below the oil sand and will be perforated at the oil level.

It is believed that the plug was placed below the level of the oil sand and it will be necessary to drill the plug to complete the well.

Another test in the Shuler area nearing the interesting stage is the D. S. and J. C. Morgan No. 1 test of the Alice Sidney Oil Company, Dr. J. S. Rushing, trustee, which today was drilling below 5,250 feet. Coring operations on the well were expected to be started tomorrow or Friday. The well is located about a half-mile east of the discovery well.