

WEEK'S PRODUCTION IS 15,000 BARRELS

GAZETTE

Fifteen Producers Are Reported From El Dorado Field.
8-29-22

Special to the Gazette.
Shreveport, La., Aug. 28.—Eighteen successful tests completed during the week in the north Louisiana, east Texas and Arkansas districts yielded nearly 15,000 barrels initial production. The week also netted one gasser and two failures.

El Dorado, as usual, came through with the largest number of completions, scoring 15 producers for a perfect mark. The initial production of these 15 wells approached 14,000 barrels.

Production figures for the week showed a decline of 10,000 barrels, 122,470 against 132,942 barrels for the week before. The figures by districts were as follows:

Caddo light oil, 7,580; Caddo heavy, 6,890; Haynesville, 8,350; Homer, 37,500; Red River, 7,650; De Soto, 2,100; El Dorado, 52,400; total, 122,470.

This gives all fields a total output for the seven-day period of 857,290 barrels.

Completions of the week were as follows:

El Dorado District.

The Humble O. and R. Company completed No. 6 Weldon in section 31-17-15, making 140 barrels at 2,182 feet. Keen and Woolf completed their No. 3 McKinney, in 30-17-15, with 10 barrels at 2,230 feet. The Caddo Central O. and R. Corporation brought in No. 1 Mack, in 8-18-15, making 845 barrels at 2,144 feet. The Gladys Belle Oil Company completed two wells on its Fitzgerald lease, in 8-18-15, No. 3, coming in with 800 barrels at 2,151 feet and No. 6 with 3,000 barrels from 2,129 feet.

Henderson et al. brought in No. 4 Pratt in 8-18-15, making 500 barrels at 2,130 feet. Hickman & Baird completed No. 7 McKinney, in 5-18-15, with 200 barrels at 2,125 feet. Keen & Woolf brought in No. 5 Pratt, in 5-18-15, with 200 barrels from 2,152 feet. The Lucky Six Oil Company completed No. 2 Pickering, in 17-18-15, with 1,000 barrels at 2,145 feet. The Pure Oil Company brought in No. 3 Brown, in 18-18-15, making 50 barrels at 2,143 feet. The Bunas Syndicate completed No. 1 Carroll, in 17-18-15, making 1,500 barrels at 2,134 feet. The Cox Realization Syndicate completed its No. 1 Carroll, in 17-18-15, with 1,500 barrels at 2,170 feet.

Stewart et al. completed their No. 4 Ward, in 17-18-15, making 2,500 barrels from 2,134 feet. The Sun Company brought in two wells during the week, its No. 8 Brown, in 8-18-15, from 2,159 feet with 550 barrels and its No. 2 Harmon, in 8-18-15, with 400 barrels at 2,167 feet.

North Louisiana.

Haynesville district—The Gulf Refining Company of Louisiana completed No. 1 Weller, in section 11-23-8, testing salt water at 2,856 feet and abandoning the location. The Ohio Oil Company, drilling in the same district, got a 200-barrel well in No. 2 Hunt, in 16-23-8, at 2,776 feet.

In Webster parish the Louisiana Oil Refining Corporation decided definitely to abandon No. 2 Gleason, in section 18-22-9, drilled on a 50-50 basis with J. K. Wadley, which came in at 2,788 feet with gas pressure estimated at 10,000,000 cubic feet and 25 barrels of oil and a large flow of salt water.

In the old Caddo field the Dixie Oil Company reopened Robert Shaw No. 7, in 14-21-15, and drilled 400 feet deeper to 2,902 feet, getting 800 barrels of .45 gravity oil. The well is in the Pine Island district. The Gulf Refining Company completed its No. 211 Perry Lake in section 21-20-16, Mooringsport district, with 100 barrels at 2,295 feet.

In Morehouse parish the La Del Oil Company completed No. 2 La Del, in section 16-19-5E, making 7,000,000 feet of gas at 2,207 feet. This well was drilled in 25 days' drilling time, believed to constitute a record for this district of the Louisiana field.

WEEK'S SUMMARY OF THE OIL NEWS

Gazette. 12-25-1921
Thirty Wells Are Completed, of Which 23 Are Oil Producers.

Special to the Gazette.
Shreveport, La., Dec. 24.—Twenty-three "stockings" were filled with oil by Santa Claus, four others "inflated" with gas, while three were left empty during the week. Haynesville seems to be the special pet of Saint Nick, being presented during the week with a 5,000-barrel well.

Louisiana scored 11 completions, of which seven were oil wells, three gassers and one a dry hole. The total initial production was 11,175 barrels, all from Haynesville.

Arkansas completed 19 wells, 10 in the El Dorado district and nine in the new El Dorado south pool. In the original field there were eight producers, averaging 105 barrels each for a total initial production of 840 barrels. Two other wells were failures. In the south pool eight oil wells added 7,370 barrels. One other test was a gasser. The total initial production of both fields was 8,210 barrels.

Morehouse parish scored a gasser. Union came to the front with two gassers and Caddo reported a dry hole.

Outside of Louisiana and Arkansas, Marion county, Tex., reported the completion of a 75-barrel well by the Monterey Lake Oil Company in its No. 1 woods on the J. Williams headright survey of 2,500 feet.

An inkling of the extent of the scope of operations promised for the new year in the Haynesville field may be had from the following:

The Ohio Oil Company has made 125 new locations, the Gilliland Oil Company receivers 40, built 20 new derricks and have 15 new rigs running. The Louisiana Oil Refining Company is keeping pace with Gilliland.

It is predicted that the Haynesville field will reach a production of 100,000 barrels daily by February 15.

Production figures for the fields during the week were: Caddo light, 7,300 barrels; Caddo heavy, 4,300; Haynesville, 40,200; DeSoto-Red River, 8,500; Homer, 22,000; El Dorado, 42,500. Total, 124,800.

Completions for the week were:

North Louisiana.

Claiborne parish, Haynesville district—Smitherman & McDonald No. 2 A. Taylor, in 16-23-8, came in, making 5,000 barrels from 2,750 feet; Belchic & Laskey completed No. 1 Orr, in 27-23-8, making 200 barrels at 2,809 feet; Morefield & Tanner brought in No. 2 DeLoach, in 22-23-8, making 1,000 barrels at 2,799 feet. The Ohio Oil Company brought in three wells, its No. 2 Bond, in 21-23-8, with 1,275 barrels at

2,804 feet, its No. 2 Hearn, in 22-23-8, with 325 barrels at 2,801 feet, and No. 10-A. Taylor, in 15-23-8, with 2,775 barrels from 2,831 feet. The Palmer Trust completed No. 2 Williamson, in 28-23-8, with 600 barrels at 2,806 feet.

Caddo parish—The Fortuna Oil Company completed its No. B1 Hampton, in 15-21-15, and abandoned the test at 3,225 feet on account of salt water.

Morehouse parish—H. S. Morris, trustee, brought in No. 1 Grayling, in 7-22-4E, making 4,000,000 cubic feet of gas at 2,134 feet.

Union parish—The Federal Petroleum Company completed No. 5 U. S. M. Co. in 15-20-3E, with 1,000,000 cubic feet of gas at 2,108 feet. The Transcontinental Oil Company completed No. 1 Spencer, in 2-20-3E, making 6,000,000 cubic feet of gas at 2,246 feet.

FIRST ANNIVERSARY OF EL DORADO FIELD

\$23,000,000 Worth of Oil Is Produced Since Initial Well Came In.

Special to the Gazette. 1-11-22
Shreveport, La., Jan. 10.—Today is the first anniversary of the El Dorado oil field, which has done more to bring Arkansas to the fore as a producer of wealth, given it wider publicity and more favorable attention than any of its other manifold natural resources.

In the year it has existed 617 producing wells have been drilled with a total initial production amounting to 563,032 barrels. The total output since March 24, 1921, when the first commercial shipment of oil was made, amounts to 11,495,280 barrels at an average price of \$2 per barrel, making the value of this production \$22,990,560. The fortunate landowners' share in this amount, on the usual one-eighth royalty, is approximately \$3,000,000 aside from the other millions received for the leases on their lands which in many cases ran into the hundreds of thousands of dollars as a starter. One hundred will cover the number of these landowners.

The discovery has started a campaign of explorations covering the entire state in the course of which hundreds of thousands of dollars have been expended to be spent in search of new oil pools.

It was the Homer boom in Louisiana in 1919-20 that intensified wildcatting in southern Arkansas, which, under the influence of the El Dorado strike, spread throughout the state. The extreme southwestern counties were the first to feel this influence, a dozen or more tests in Miller, Lafayette, Ouachita and Union counties proving dry or salt water.

While El Dorado and Union county get the credit for being the first oil field in the state, the first oil in commercial quantities was found in Ouachita county. Arkansas made its debut as a potential oil producing state in August, 1920, when S. S. Hunter of Shreveport completed a 25-barrel well on the Lester & Halton lease in the southeast corner of section 13-15-19, Ouachita county. The pay sand was struck at 2,197 feet, and the well completed at a total depth of 2,203 feet. After flowing for a short while, however, the well went to salt water and was abandoned. Meanwhile, the Standard Oil Company of Louisiana and other large interests had acquired immense leaseholds, which they still hold, and pay rentals on in that territory.

Exploration continues, territory to the east being the favorite locality. When the Constantin Oil and Refining Company of Oklahoma completed an immense gas well near El Dorado, in the southwest corner of the southeast quarter of section 1-18-16 Union county, still more attention was attracted to the state with consequent increased activity. This well likewise ended disastrously, forming craters and finally catching fire when a curious spectator, standing on the brink of the largest crater, lighted a cigarette. He and five others were fatally burned.

Mitchell & Bonham, drilling contractors, were attracted to El Dorado by this strike and secured acreage on which they drilled. They had more than their share of the average ill luck of the average wildcat. They lost two holes and had spent their last dollar on the third in the northeast of the northeast of 31-17-15.

Dr. Busey the "Hero."

Dr. S. T. Busey, lately arrived in El Dorado, came to the rescue and financed a "unit" syndicate, unit holders paying \$10 per unit. Bonham, a young Shreveporter, sold out for a nominal sum. Matoc & Hinton, who had previously come to the rescue, retained their interests. Under the reorganized combination the well was completed January 10, making 10,000 barrels of fluid of which 7,000 barrels was oil and 3,000 salt water from 2,223 feet. It smeared the landscape for a half mile or more around with oil and a new El Dorado was born.

Before the well was 24 hours old a train had arrived from Shreveport bearing representatives of the major companies who had been watching the operation for weeks as well as members of smaller independent com-

panies and individuals. Another came from Little Rock and within two days hundreds of operators and oil field followers had arrived to swell El Dorado's population from a few thousand to 25,000 and more.

The Constantin Oil and Refining Company got the second completion in section 12-18-16, on the Parnell farm, making 20,000,000 feet of gas and 25 barrels of oil at 2,243 feet, and the Home Oil and Gas Company, an El Dorado company, formed following the Constantin's first completion, got the third in 1-18-16 on the Mellor farm at 2,200 feet, making a like amount of gas, but no oil.

Thereafter there were scattered failures until Walter George of Shreveport completed the second El Dorado well as a 20,000,000-foot gasser, which later began spraying 800 barrels of oil, on the Goodwin farm in 6-18-15, a mile south of the discovery well, at 2,155 feet. In the meantime several score derricks had sprung up with as many wells drilling.

Development Is Sensational.

The development of the field from then on was on a sensational scale as shown in the following table. In the early days of the field there was some exploration to the northwest of the discovery well, but the trend of development was early determined to be to the south, so that the producing territory as outlined today is contained within a strip two miles wide and nine miles long (including the four miles embraced within the new south pool), making the field one of the largest, if not the largest, single producing area in the entire Mid-Continent area. The table follows:

Jan.	Comp.	I. Prod.	Gas.	Dry.	P.	P. L. R.
Jan.	9	16,925	2	6	1	.....
Feb.	4	19,550	1	2	12	.....
March	15	49,815	1	2	12	.....
April	25	28,830	3	3	19	.....
May	60	54,050	4	3	51	930,000
June	98	76,849	3	5	90	1,168,350
July	76	65,848	3	2	71	1,396,500
Aug.	97	97,215	4	2	91	1,948,753
Sept.	78	52,980	1	5	70	1,437,730
Oct.	69	52,713	3	4	83	1,355,847
Nov.	41	23,129	5	5	81	1,389,800
Dec.	83	88,977	3	5	75	1,494,500

Until pipe lines were built to the new field, two extensions of lines serving Homer and a third an entirely new project built direct to serve Shreveport refineries, drilling was confined largely to necessary offset wells and those necessary to preserve leases. No oil was shipped from El Dorado in commercial quantities until March 24 when the Shreveport Producing and Refining Company shipped a train of 22 cars. This was followed, May 9, by the Standard Oil Company of Louisiana announcing the first posted prices for El Dorado crude, 70 cents being paid for oil testing 38 and above, scaling down to 50 cents per barrel for oil 33 and below. Shortly afterward, however,

EL DORADO LEADS IN MONTH'S OUTPUT
Haynesville, However, Gradually Forging Ahead of the Arkansas Field.

WEEK'S SUMMARY OF THE OIL NEWS

1-22-22

Bossier Parish Occupies Center of Interest, With Three Completions.

Special to the Gazette. 1922
Shreveport, La., Jan. 21.—Bossier parish, with three producers, occupied the center of interest in the week's operations in the north Louisiana and Arkansas mineral districts. Two of the completions in Bossier were in the shallow field, around the 375-foot level. The other Bossier parish completion was in the Elm Grove district. Two of the completions marked extensions.

Outside of Bossier, Haynesville was the only north Louisiana field to break into the completions columns. This youngest Louisiana producing district added 11 wells, with a total of 4,776 barrels. The El Dorado pool recorded a total of 16 completions, of which 12 were producing oil wells, with a total initial output of 7,590 barrels. Three other tests in El Dorado were gassers and another was abandoned.

Another outstanding feature of the week was a mass meeting of citizens of Claiborne parish at Homer, La., late in the week, at which resolutions were adopted strongly condemning the practices of lawyers and other persons who attack titles to properties after lands have been proven to have valuable mineral content. As a result of the mass meeting the Claiborne Parish Landowners Protective Association was formed. This organization will have for its purpose the compiling of data for the legislature with a view of compelling enactment of laws, where necessary, and putting "teeth" in existing statutes.

Production Statistics

	This Wk.	Last Wk.
Caddo Light	7,000	7,300
Caddo Heavy	4,000	4,200
Red-River-DeSoto	8,000	8,300
Haynesville	51,000	48,000
Homer	20,000	21,000
El Dorado	28,000	33,000
Totals	128,000	136,800

There was a total of 33 completions in all fields against 30 for the week before.

Bossier parish scored heavily with the completion by A. O. Roy & Co., of their No. 8 Railroad Lands Company in section 9-19-11, making about 50 barrels from 375 feet. This well marks a quarter-mile extension of the shallow field in Bossier westward. The Louisiana Oil Refining Corporation (Invisible Oil) brought in its No. 1 Fee in section 15-19-11, with an estimated flow of about 500 barrels at around 350 feet. R. O. Roy & Co., completed their No. 2 Caplis in section 25-16-12 with 100 barrels at 1,569 feet. This well is located in the Elm Grove district and extends this producing territory about one mile west.

Other completions of the week follow:

Louisiana.

Haynesville district—Gilliland Oil Company completed No. 6 Bond, making 250 barrels at 2,752 feet in section 21-23-8. The Humble O. and R. Company brought in No. 2 Knox in 20-23-8 making 436 barrels from 2,777 feet. The Louisiana Oil Refining Corporation brought in two wells on the Bond lease in section 21-23-8, No. 7, with 140 barrels from 2,768 feet and No. 8 with 240 barrels from 2,759 feet. The Ohio Oil

Company completed three wells. Its No. 1 G. A. Hillburn in section 22-23-8 came in with 2,130 barrels from 2,803 feet. Its No. 1 T. W. Sherman in 15-23-8 came in with 440 barrels at 2,801 feet, and No. 11 A. Taylor in 14-23-8 came in with 350 barrels from 2,836 feet. The Roxana Petroleum Company completed No. 4 Williamson in 28-23-8 making 50 barrels at 2,782 feet. The Standard Oil Company abandoned No. 1 Lewis in 23-23-8 at 6,529 feet on account of salt water. The Mission Oil Company tested salt water in its No. 1 Birdsong in section 25-23-8 and abandoned the well at 2,901 feet. Tarver Oil Company completed No. 2 Orr in 27-23-8 making 160 barrels from 2,802 feet. Wideman et al. brought in No. 3 Hunt in 16-23-8 making 600 barrels at 2,803 feet.

WEEK'S SUMMARY OF THE OIL NEWS

Jan 29-1922

Bossier Parish Commands Most Interest, With Important Completions.

1-29-22

Special to the Gazette. 1922
Shreveport, La., Jan. 28.—Bossier parish, with two completions out of a total of 30 in the north Louisiana and Arkansas oil districts, commanded the entire interest of the week. These completions extended the producing territory and convinced whatever Doubting Thomases there may have been that the Princeton (Bellview) district is an accomplished fact.

That the Bossier shallow sand discovery is the great discovery in the oil annals of the United States is gradually dawning on the members of the oil fraternity. When R. O. Roy & Co. completed its first well, some operators were hesitant lest the new field was merely one of those phenomena encountered in mineral exploration. Recent development, however, show that this district is one of the most promising in point of production as well as extent.

Haynesville completed 10 wells during the week, adding an initial production of 9,625 barrels from seven producers. El Dorado reported 16 wells, all producers, equally divided as follows: In the discovery pool, five wells with 610 barrels initial production, and in the new South pool 11 wells with 3,935 barrels.

In Louisiana wildcat territory one test was abandoned.

Production on Increase.
The summary for the week shows a total of 30 completions of which 21 were producers with an initial production of 5,720 barrels and five failures. Production figures for the week showed a net gain of 1,500 barrels 129,500 against 128,000 for the week before. The figures follow: Caddo light oil reported runs of 7,100 barrels, 100 more than the week before; Caddo heavy, 4,000, unchanged; Haynesville, 52,000, a gain of 1,000 barrels; Red River-De Soto, 7,400, a loss of 900; Homer, 20,000, unchanged; El Dorado, 28,000, gain of 1,000.

A record of completions in the various districts follows:

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Weekly
Summaries

Louisiana. — district. — Bernsteln trustee, completed No. 2 Goree, in section 27-23-8, making 200 barrels at 2,825 feet; Gilliland Oil Company completed three wells. Its No. 10 Bond, in 21-23-8, came in with 100 barrels at 2,836 feet, and its No. 1 Coon, in 15-23-8, made 5,300 barrels from 2,793 feet. Its No. 1 Sherman, in 23-23-8, came in with 250 barrels from 2,829 feet. The Ohio Oil Company brought in No. 1 Sherman, in 15-23-8, making 700 at 2,801 feet. Ouachita Oil and Gas Company completed No. 1 Phillips, in 32-23-8, testing salt water and abandoning location at 2,830 feet. The Standard Oil Company brought in two wells, No. 3 Alken, in 27-23-8, making 75 barrels from 2,866 feet, and No. B-1 Barker, in 20-23-8, making 8,000 barrels at 2,768 feet. The Western Oil Fields Corporation abandoned No. 1 Lewis, in section 23-23-8, at 2,834 feet on account of salt water. Grier et al. tested salt water in their No. 1 Taylor, in 7-23-8, and abandoned the location. Caddo district.—Muslow Oil Company abandoned No. 2 Muslow, in 9-20-15, on account of salt water at 2,215 feet. Bossier parish, Bellview district.—National Oil Company brought in No. 2 Elston, in section 10-19-11, making 700 barrels at 305 feet. Chandler et al. completed No. 1 Bliss and Wiltherby, in section 10-19-11, making 1,000 barrels at 352 feet. Ouachita parish.—H. S. Harris, trustee, completed No. 4 Crossett Lumber Company, in section 8-23-6e, abandoning on account of salt water at 3,206 feet.

WEEK'S SUMMARY OF THE OIL NEWS

Heavy Gain in Initial Production at El Dorado a Feature.

2-5-22

Special to the Gazette. Shreveport, La., Feb. 4.—Haynesville, with a 5,000-barrel well, Webster with a big gasser and Bossier with new sensational producers in the shallow field occupied the cynosure of interest in north Louisiana oil fields during the week. Another feature was the heavy gain by the El Dorado field in initial production.

The record of the fields shows 34 completions, with a total of 21,494 barrels initial production from 29 producers. Three other tests came in as gas wells and two were failures.

On the whole, the week showed a marked improvement over the preceding seven days, when 32 wells were completed, of which 26 were producers, with an initial production of 15,770 barrels, and six were dry.

The completions of the week were distributed as follows: Haynesville, seven producers, with 10,800 barrels; Bellevue district, Bossier parish, three completions, with 2,100 barrels; Elm Grove gas district, Bossier parish, one gasser; Webster, a gasser; Ouachita and Winn parishes, a gasser and a failure, respectively; El Dorado discovery pool, 10 producers, with 2,649 barrels out of 11 completions; El Dorado south pool reported a perfect score, with 10 producers estimated yielding 5,949 barrels.

Production Declines. Production figures for the week showed a slight decline, being 100 barrels off from the preceding period. The figures follow: Caddo light oil, 7,100 barrels; Caddo heavy, 4,200; Homer, 19,400; Haynesville, 52,800; DeSoto-Red River, 7,400; El Dorado, 38,500; total, 129,400 daily average pipe line runs.

Another interesting development of the week was the announcement of Governor Parker that he would at the next session of the legislature advocate a three per cent severance tax on oil and gas, in which the producing parishes would share to the extent of one per cent. This action of the governor followed a release from the so-called "gentlemen's agreement" into which he had entered with the oil interests. The release was given by the Mid-Continental Oil and Gas Association, Louisiana Division, of which C. D. Keen is chairman of the Executive Committee. The operators explained their action, saying they regretted the oil question threatened to become a political issue in Louisiana.

Completions of the week were as follows:

Bossier Parish.

Bellevue district—Louisiana Oil Refining Company completed No. 1 Fee, in section 15-9-11, making 100 barrels from 259 feet. R. O. Roy brought in No. 2 Scanland, in 15-19-11, with over 2,000 barrels at 405 feet.

Elm Grove district—The Standard Oil Company completed No. 4 McDade, in section 12-16-12, making 6,000,000 cubic feet of gas at 843 feet.

Haynesville—LeVert Oil and Gas Company completed No. 2 Hudson, in 17-23-8, making 5,000 barrels at 2,774 feet. Amerada Petroleum Company brought in its No. 2 Hudson, in 17-23-8, making 1,900 barrels at 2,791 feet. Gilliland Oil Company completed No. 9 Bond, in 21-23-8, making 706 barrels at 2,759 feet. Hunt & Smith brought in No. 1 Garrett, in 24-23-8, with 300 barrels at 2,867 feet. Ohio Oil Company completed two wells, No. 1 H. P. Camp, in 24-23-8, with 165 barrels at 2,847 feet, and No. 2 Sherman, in 15-23-8, making 2,228 barrels at 2,782 feet. Smitherman & McDonald completed No. B-2 C. Taylor, in 16-23-8, making 500 barrels at 2,780 feet.

brought in the Standard Oil Company, in section 34-23-11, making 15,000,000 feet of gas at 2,695 feet.

Ouachita parish—The Southern Carbon Company completed No. 5 Fee, in section 7-19-5E, making 24,000,000 cubic feet of gas at 2,139 feet.

Winn parish—The Gulf Refining Company abandoned No. 1 L. & A., in section 19-10-4W, at 3,805 feet on account of junked hole.

WEEK'S SUMMARY OF THE OIL NEWS

Shreveport Fields Show an Increase of 6,000 Barrels.

2-19-22

Special to the Gazette. Shreveport, La., Feb. 18.—An upward sweep of more than 6,000 barrels in the production of the Shreveport oil fields was an outstanding feature in the week's development. This gain was contributed mostly by the Haynesville field. The Caddo light oil and DeSoto-Red River districts showed slight increases, but the largest advance came from Haynesville, which showed an average daily run of 8,000 barrels over the week before. The Homer field declined 1,300 barrels and the Caddo heavy oil district 300. El Dorado lost 700 barrels.

Daily average pipe line runs from the various districts were as follows: Haynesville, 71,000; El Dorado, 36,000; Homer, 18,700; DeSoto-Red River, 7,300; Caddo light, 7,400; Caddo heavy, 3,600; total 144,000. Last week's total was 137,000.

Thirty-six completions were reported from all districts. The remarkable feature of the week was that the field showed a perfect record, 35 tests being producers and one a gasser.

In initial production Haynesville led all fields, 11 wells yielding 17,850 barrels. The Caddo district reported four wells, three of these producers with an initial production of 1,080 barrels, the other a 1,000,000 cubic foot gasser.

Bellevue reported two small wells with an estimated initial output of 75 barrels.

Nineteen completions were reported by Union county, Ark., eight of these with an initial production of 1,040 barrels in the El Dorado discovery pool and the other with 2,220 barrels in the southern extension of the field.

Compared with last week, figures show a decline of six producers and 2,550 barrels less initial production.

Completions of the week follow:

Haynesville district—The Gilliland Oil Company, with five completions, led all operation in this district. A signal triumph was scored by this company in its operations on the G. W. Taylor lease in section 14-23-8, the discovery section, their No. A-8 G. W. Taylor was the banner well of all five for the week, coming in with 8,600 barrels from 2,780 feet. Their No. A-3 was a close second on the same lease, making 4,000 barrels at 2,795 feet, the other three completions were the following: No. 1 Garrett et al. in 24-23-8, with 300 barrels at 2,855 feet; No. 3 and 5 Bond, the former in section 16-23-8, with 300 barrels at 2,756 feet, and the latter in section 21-23-8 with 380 barrels at 2,770 feet.

The Gulf Refining Company completed No. 1 S. Taylor, in section 14-23-8, with 275 barrels at 2,845 feet. The Humble Oil and Refining Company brought in No. 3 Knox, in 20-23-8, making 625 barrels at 2,785 feet. The Louisiana Oil Refining Corporation completed No. 8 Waller, in 14-23-8, making 2,500 barrels from 2,780 feet. The Ohio Oil Company brought in No. 3 S. Taylor, in section 24-23-8, making 100 barrels at 2,840 feet. Palmer Trust Co. completed No. 5 Orr, in section 27-23-8, with 150 barrels at 2,855 feet. Roxana Petroleum Company (Shell Union) completed No. 6 Bond in section 21-23-8, making 625 barrels at 2,760 feet.

Caddo parish—Austin Oil Company No. 21 Hoss, in 23-22-15, was completed as a 1,000,000-foot gasser at 2,048 feet. Dixie Oil Company (Standard of Indiana) completed No. 24 Dillon Heirs, in section 14-21-15, making 75 barrels at 2,950 feet. Gulf Refining Company completed No. 6 E. Tyson, et al. making 505 barrels at 2,925 feet. Woodley et al. brought in No. 3 Noel, in section 25-21-15, making 500 barrels from 2,335 feet.

Bossier parish—Humble Oil and Refining Company brought in No. 1 Bliss and Weatherbee, in 10-19-11, making 30 barrels from 405 feet. R. O. Roy completed No. 9 Railroad Lands, in section 15-19-11, making 50 barrels at 350 feet.

WEEK'S SUMMARY OF THE OIL NEWS

Haynesville Field Continues to Lead in Production, With 20,000 Barrels.

2-26-22

Special to the Gazette. Shreveport, La., Feb. 25.—Prospects of an extension of a mile west of the Haynesville producing district were

being increasing its daily production by thousands of barrels each week for the past two months, larger gains for the past two weeks following completion of additional pipe line capacity by the Standard Oil Company from 50,000 barrels to 75,000 barrels.

The Standard, however, is not running all its purchases direct, but since completion of the first units of its first 550,000-barrel capacity tank farm it has been running approximately 16,000 barrels daily to storage. The Ohio Oil Company also is running its production to storage, having, according to unofficial reports, approximately 1,000,000 barrels in steel on its tank farm north of town. Louisiana Oil Refining Corporation has 20,000 barrels daily production handled by its own line.

Against Haynesville's increasing production, both Homer and El Dorado show a decline for the past several weeks, present figures being 18,000 barrels daily for Homer and 31,000 for El Dorado. Caddo and DeSoto-Red River production remains practically stationary at 10,700 and 7,100 barrels, respectively. Against Haynesville's 83,000 barrels other Louisiana fields and El Dorado are running 66,800 barrels.

February Completions. One hundred and fifty-eight tests were completed in the north Louisiana, east Texas and Arkansas fields in February. Total initial production for all fields was 98,790 barrels, while pipe line runs averaged 139,830 barrels a day.

Haynesville led with a total of 51 completions, of which only one was a failure. El Dorado came next, the discovery pool yielding 38 wells, with 37 producers and the South pool 39 wells, with 37 oil wells and one a gasser, giving Union county a total of 77 new wells.

The Bellevue shallow field completed 11 wells, of which eight were producers. Caddo reported eight completions, of which six were producers and two were gas wells. The Elm Grove district of Bossier parish completed two gas wells. Three gassers were completed in the Monroe gas fields, while miscellaneous Louisiana districts reported three dry tests.

East Texas reported the completion of three wells, one a gasser and two failures.

Flush Production. Flush production from new wells gave Haynesville the commanding lead with approximately 64,500 barrels. The El Dorado discovery section ran around 5,700 barrels, while the new South pool wells came in with an initial production of 14,000 barrels. Caddo's new production was 6,300 and that of the Bellevue district, 7,725 barrels.

There was no activity in the Homer, DeSoto or Red River fields which netted completions. To summarize: February yielded 158 completions, with 138 producing oil wells, nine gassers and 11 dry tests initial production of 99,000 barrels.

The figures for January follow for comparative purposes. Total wells completed 160, producers 114, dry 38, gas 8, flush production 73,000, daily average pipe line runs 132,592.

At the end of February there were a total of 684 operations under way in 11 north Louisiana parishes and seven counties of south Arkansas in which interest is centered, divided as follows Louisiana 363, Arkansas 316. Louisiana operations are divided: W. O. S. R. 12, temporarily abandoned 14, drilling 139, rigging up 24, derricks 69, locations 60. Arkansas operations were W. O. S. R. 54, temporarily suspended 21, drilling 149, rigging up 18, derricks 69, locations 5.

The first week of March proved exceptionally successful, 34 completions being recorded without a failure. An outstanding feature was the completion of a well in Red River parish. Haynesville recorded 15 wells, Union county 17 wells, 13 of them in the El Dorado South pool. East Texas reported a gasser.

Haynesville Shows Gain. Haynesville showed another gain of approximately 6,600 barrels daily in pipe line runs, thus exceeding the total output of all other districts combined by 16,200 barrels. The runs were as follows: Haynesville 83,000, Caddo light 7,100, Caddo heavy 3,600, DeSoto-Red River 7,100, Homer 18,000, El Dorado 31,000; total 149,800, an increase of 1,480 barrels over the week before.

New Orleans looms as the world's largest oil port. Announcement of the consummation of a deal in New York which practically gives Henry L. Doherty & Co. control of the property and terminals of the Carson Company at St. Rose, La., comes from New York. Doherty interests will invest large sums in the erection of one of the largest refineries in the country. The Standard Oil Company recently acquired the storage and shipping terminals of the New Orleans Export Company at Avondale. The concentration of these large interests undoubtedly will give New Orleans a commanding position as an oil port. Completions of the week follow:

Louisiana. — Amerada Pet. Co., No. 4 Hudson, 17-23-8, 1,500 barrels at 2,800; Gilliland Oil Co. No. 6 DeLoach, 22-23-8, 125 at 2,800; Houston Oil Co. Knox No. 3, in 20-23-8, 325 barrels at 2,805; La. Oil Ref. Corporation brought in seven wells as follows: Two on the DeLoach lease in 22-23-8, No. B3, with 1,550 at 2,790 and B4 with 725 at 2,790; three on the Beene lease in 15-23-8, No. 2 with 650 at 2,825 feet, No.

WEEK'S SUMMARY OF THE OIL NEWS

Haynesville Continues to Lead District in Total Production.

3-5-22

Special to the Gazette. Shreveport, La., March 4.—Showing a gain over last week of 6,600 barrels, Haynesville's daily average production for the week will be, in round figures, 83,000 barrels, 16,200 barrels more than all the other Louisiana fields and El Dorado combined.

at 2,829; No. 5 with 150 barrels and 3,000,000 feet of gas at 2,782 feet; two on the Waller lease in 14-23-8, No. 2 with 600 barrels at 2,805 feet and No. 4 with 4,000 at 2,800. National Refining Co. No. 1 White, 20-23-8, with 300 barrels at 2,795 feet. Ohio Oil Co. No. 1 A. Taylor et al., 15-23-8, 1,600 at 2,847; No. 2 G. W. Taylor, 16-23-8, 2,160 barrels at 2,810. A. Williamson No. 5 in 21-23-8, 750 barrels at 2,785 feet. Standard Oil Co. B2 Barker, 20-23-8, 550 barrels at 2,800.

Red River parish—Bull Bayou district, Gulf Refining Co. 18 Christopher, 16-13-10, 150 barrels at 2,180 feet. East Texas—Industrial Gas Co. No. 1 Lawless, L. Chism survey, 20,000,000 cubic feet of gas at 1,935 feet.

February Completions.

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WEEK'S SUMMARY OF THE OIL NEWS

Haynesville Field Continues to Lead All Others in Total Production.

3-12-22

Special to the Gazette. Shreveport, La., March 11.—Thirty-three completions, including 25 producing oil wells, three gassers and five failures, were reported in the Shreveport oil fields during the week. Haynesville wells, 13 in number, continued to average more than 1,000 barrels each. The Haynesville district also continued its tremendous gains in daily pipeline runs, showing an average per diem gain of 10,000 barrels, bringing the output to 33,000 barrels.

Attention of the fraternity is focused on the operations of the Terry-Summerfield Oil Company in the El Dorado district, where they completed a 10,000,000-foot gas well spraying some oil which, as the week closes, is reported to be increasing in volume. It is generally believed that the operation marks the possible extension of the El Dorado field four miles to the east. In fact, if proven up, the section would be classed as an entirely new pool, intervening territory having been tested out as unproductive. The conditions surrounding the operation practically parallel those attending the pioneer explorations of the Constantin O. & R. Co. in the El Dorado discovery pool. A heavy play in this territory is in prospect.

The record by districts of their performance during the week was as follows: Caddo scored one well; Bossier two producers and one failure in the Bellevue district and another unsuccessful test in wildcat territory; DeSoto abandoned one operation; Morehouse completed a gasser; Haynesville 13 producers and one failure on the edge of the field; El Dorado, four producers, two gassers and one failure in the discovery district and six producers in the south pool.

Production Figures. The production record of the fields follows: Haynesville, 93,000 barrels; El Dorado, 30,500; Homer, 19,000; De Soto-Red River, 7,000; Caddo Light oil, 6,500; Caddo heavy, 3,550; total 159,550.

Completions of the week follow:

WEEK'S SUMMARY OF THE OIL NEWS

El Dorado Makes Perfect Score With 15 Completions — Production Increases.

3-26-22

Special to the Gazette. Shreveport, La., March 25.—All records of this section for daily average production were shattered by the Shreveport oil fields during the week, the new high mark of 174,970 barrels daily.

There were three factors which combined for this happy result. First, the Haynesville district continued its tremendous upward sweep, scoring 98,320 barrels daily, a gain of more than 18,000 barrels over the preceding week and an advance of 5,000 barrels over the best previous mark for this latest wonder pool of the mid-continent field. Next in importance was the entry of the Bellevue district among the producing districts linked with market centers by pipe line. This shallowest pool on the continent showed an average of 2,200 barrels daily, surpassing the De Soto field.

The third factor was the steady gain in production of the El Dorado field which reported 38,500 barrels. This increase was largely due to the yield of the Southern extension of the field. In this part of the pool operators seemingly have overcome initial troubles of water and excessive gas pressure, and latest completions are reported free of salt water or basic sediment.

Reports of probable cuts in the price of crude in the Shreveport field were not borne out. The price of \$1 per barrel was posted in the Bellevue field during the week. This figure surprised some as the oil is only 20.5 gravity. It is explained, however, by the fact that Bellevue is rich in lubricant content.

In the El Dorado field the Shreveport-El Dorado Pipe Line Company revised its quotations upward again, after a reduction of 25 cents posted several weeks

Shreveport-El Dorado Pipe Line is 34 and over, \$2; 32 to 39.9, \$1.75 below 32, \$1.50.

Productive Statistics.
Production figures for the week in daily average pipe line runs follow:

Haynesville	98,320
El Dorado	38,500
Homer	17,500
Caddo, light	7,500
Caddo, heavy	7,500
De Soto-Red River	7,500
Bellevue	2,200
Total	174,970

El Dorado's Score Perfect.
Completions of the week totaled 37. Of these 33 were producing wells. The El Dorado field, both the south pool and the discovery section, came through 100 per cent, with nine wells in former section of the district and six in the latter, giving Arkansas' great pool 15 new producers. Haynesville completed 12 tests, of which one, an edge well, was a duster. Caddo completed four pro-

ducers oil wells. Bellevue scored three producers out of the same number of completions. Miscellaneous Louisiana districts completed three wells, one of these a gasser and the other two dry. A detailed report of the completions of the week follows:

WEEK'S SUMMARY OF THE OIL NEWS

Discovery of New Pool in North Louisiana Features Period. 1922

Special to the Gazette.
Shreveport, La., April 8.—Another gas pool has been uncovered in north Louisiana. This news was the outstanding feature of the week's developments in the mineral districts within the Shreveport radius.

The definite entry of Webster into the established mineral districts had been expected, but the completion of two big gasers in one week was a development which was unlooked for even by the most optimistic followers of the oil and gas game.

S. S. Raymond et al Tuesday completed their No. 1 Jordan & Young, in section 33-23-10, making from 25 to 45 million cubic feet of gas at 2,660 feet. This well is located about three and one-half miles northeast of the Portland Syndicate's No. 1 Munn, which came in several months ago with a production of 44,000,000 cubic feet of gas.

The second signal success of the week was scored by I'ullilove & Wadley, who completed their No. 1 Martin, in section 12-22-10 making from 25 to 30 million cubic feet of gas at 2,673 feet. This test blew in unexpectedly. It is located about four miles south of the Munn well.

The tests are in proximity also to the Gleason wells, of which the third a relief test, is now under way. The oil spray in the Gleason wells combined with the terrific volume of gas uncovered in the recent tests is generally accepted as presaging the near-discovery of another great oil pool. So far, however, Webster has demonstrated that the parish in the gas production fields of the mid-continent field.

Forty-one Completions.
In addition to these outstanding completions, 41 other tests were brought in during the week. Of these 37 were producing oil wells, one was a gasser and the other three failures. The completions by districts were as follows: Haynesville, 15, of which one was dry; Caddo, two producers; Bossier parish, Bellevue district, four producers and one failure; Elm Grove, two producers; El Dorado discovery pool, four producers, south pool, 11 producers, northeast extension, one gasser and a failure.

Production figures, due to high water conditions, showed a sharp decline during the week, the figures being as follows: Haynesville, 67,250; El Dorado, 39,000; Homer, 18,200; Caddo light, 7,300; Caddo heavy, 3,500, and De Soto-Red River, 6,500.

WEEK'S SUMMARY OF THE OIL NEWS

Inclement Weather Has Disastrous Effect Throughout the Field.

Special to the Gazette.
Shreveport, La., April 15.—Havoc wrought by recent heavy rains and consequent high water conditions, coupled with the results of a recent storm, appeared in its influence on production figures, principally in the Louisiana field, and the El Dorado pool also, showed that it had been affected by the weather conditions.

All fields combined showed a drop in production on the basis of daily average runs of 15,697 barrels. Haynesville showed the heaviest decline, production falling off more than 11,000 barrels daily. The condition in this field is due to the natural decline in production of existing tests and further to the fact that wells in the proven territory are coming in with relatively smaller flush

enough sieved. El Dorado production declined over 3,000 barrels during the week. In both of these fields it is to be considered also that wet weather conditions have prevented new operations and in instances have interfered with the gathering of oil from old producers.

The De Soto-Red river pool still remains below normal, but showed an encouraging recovery. This field was struck several weeks ago by a severe storm which leveled more than 100 derricks. The gain of nearly 500 barrels in production for the week therefore reflects the progress made in repairing the damage done by the elements.

Production Figures.
The situation in the Shreveport field

is best shown at a glance in the following table, giving the production for the current week and the week before:

Louisiana.	This Wk.	Last Wk.
Haynesville	55,425	67,250
Homer	17,420	18,200
Caddo, light oil	7,128	7,300
Caddo, heavy oil	3,415	3,500
De Soto-Red river	7,056	6,500
Bossier	1,840	2,000

Total 92,285 104,750
Arkansas—
Eldorado 34,768 38,000
Grand total 127,053 142,750

Optimism Prevalent.
Despite the decline in production figures, there was more optimism in the oil fraternity than there has been for many months. This was due to several important developments of the week, notable among which was the definite entry of two wells in Webster parish in the gas column, an extension of the Haynesville producing area with a large gusher an extension of the El Dorado territory, a revival of activity in the old Spider pool in De Soto parish, one of the pioneer mineral districts of the state, and a completion in the Dolet Hills region of the same region, and, finally the good tidings of another large well in the shallow pool of Bossier parish.

Week's Completions.
The following was the record of completions for the week as to district, completions, producers, gas and dry wells:

District	C.	P.	G.	D.
Haynesville	20	18	0	2
Webster	2	0	2	0
Caddo	2	2	0	0
Bossier (Bellevue)	4	4	0	0
De Soto	2	1	1	0
El Dorado	4	3	0	1
Discovery Area	2	1	0	1
East Extension	2	1	0	1
South Pool	9	9	0	0

Totals 45 38 3 4
These completions were distributed over the various fields as follows:

WEEK'S SUMMARY OF THE OIL NEWS

Haynesville Field Gets 22 Completions and Makes Perfect Score.

Special to the Gazette.
Shreveport, La., April 30.—Haynesville came back with a punch in operations of the week, completing 22 wells for a perfect score. These completions practically stabilized the daily average production, although adverse weather conditions continued to be reflected in the daily runs, which showed declines of about 800 barrels per diem.

Most impressive in the Haynesville field were the completions in the northwest extension of the field. In this sector the Amerada Petroleum company was exceptionally successful, bringing in four wells with an aggregate flush production of 7,500 barrels.

Other portions of the field, reflecting the effect of multiple operations, the total initial production being around 4,000 barrels of about 225 barrels.

Bossier parish continued to report operations from the Bellevue shallow pool and also another from the Elm Grove field. Caddo completed one small pumper and tested dry in another operation.

Diminution of the reservoir in the El Dorado discovery pool was shown in the completion in three wells, two of which were small pumpers.

The El Dorado southern extension, however, reported seven wells, averaging higher and among them one completion with a flush production of 1,700 barrels.

The failure in Caddo parish was the single unsuccessful test of the week in all districts. To sum up, there were 38 completions in all fields, 37 of these producing oil wells. No gas wells were reported, operations in the natural fuel belt being hampered by rains and the high water situation.

A comparison of the daily average pipe line runs for the week with the preceding seven days, follows:

	This week.	Last week.
Haynesville	43,260	44,115
El Dorado	33,162	37,212
Homer	17,182	17,000
De Soto-Red River	8,100	6,500
Caddo, light oil	7,310	6,800
Caddo, heavy oil	3,490	3,100
Bellevue	2,110	2,700

Totals 114,614 117,427
Completions of the week follow:

WEEK'S SUMMARY OF THE OIL NEWS

General Revival of Activities Lends Encouragement to Operators.

Special to the Gazette.
Shreveport, May 6.—Shreveport operators begin the month of May under brightening skies. The first week of May gives every encouragement that the tide has turned and happier days are ahead.

The general revival of activities appears in a total of 47 completions in all fields within the Shreveport radius during the week. Of these only three tests were dry, 42 producing oil and two gas. This increased activity was coupled with a gradual gain in production which enhanced the optimism of the oil fraternity. Runs from all fields showed a gain of 3,562 barrels over the preceding week, Haynesville's yield increasing more than 1,000 barrels per day and El Dorado more than 3,000. The DeSoto-Red River and Bellevue districts scored slight gains, while Homer and Caddo declined. The comparative figures follow:

	This Week.	Last Week.
Haynesville	44,620	43,260
El Dorado	36,420	33,162
Homer	16,520	17,182
DeSoto-Red River	7,750	8,100
Caddo, light	7,118	7,310
Caddo, heavy	3,408	3,490
Bellevue	2,350	2,110

Totals 118,186 114,614
Another important development of the week was the completion by the Ohio Oil Company of its No. 4 Bond, in the heart of the producing territory of the Haynesville pool with a flush production of 3,500 barrels.

As the week closes there is prevalent the feeling that the El Dorado pool will be extended to the northeast by the operation of the Quaker City Petroleum Company, which is testing in its No. 1 Polk-Ezell in the southeast corner of section 11-17-15. The well is showing 20.5 gravity oil at 2,197 feet.

Completions of the week in all districts follow:

WEEK'S SUMMARY OF THE OIL NEWS

Daily Average Output in Various Districts Shows Large Increase.

Special to the Gazette.
Shreveport, La., May 13.—Completions in the oil fields in the Shreveport radius reported for the week totaled 31, of which 29 were producing oil wells and one a gasser and the other a dry hole. Distributed over the various fields, the record showed as follows: Haynesville, 15 oil wells; Bossier parish, Bellevue district, 4 wells, 3 producing and 1 dry; Caddo one pumper; El Dorado, 11 completions, 10 oil and 1 gas.

Encouraging to the operators in the local fields was a further advance in the daily average output of the various producing districts of nearly 2,000 barrels. The comparative record follows:

	This Week.	Last Week.
Haynesville	48,000	44,600
El Dorado	36,000	36,420
Homer	16,150	16,520
DeSoto-Red River	6,950	7,750
Caddo, light oil	7,180	7,118
Caddo, heavy oil	3,500	3,408
Bellevue	2,350	2,350

Totals 120,140 118,186
Completions of the week were the following:

WEEK'S SUMMARY OF THE OIL NEWS

Total of 53 Are Completed, 43 of Which Are Producers.

Special to the Gazette.
Shreveport, La., May 20.—Daily average production figures took another healthy leap upward during the week. Pipe line runs per diem were 4,559 barrels in excess of the week before.

This was due in the main to the rapid progress in the development of the fields within the Shreveport radius. Haynesville alone reporting 35 new wells, of which 32 were producers. The return of warm and clear weather was reflected in operations along the fringes of the pool.

Clark and Greer completed the most important test of the week, a 2,500-barrel well in the western extension of the Haynesville field. This well lies south of the well, completed last week by A. C. Glassell et al. on their Baucum lease. The Glassell well carried the Haynesville field within a quarter mile of the Webster parish line.

As the week closes the eyes of the oil fraternity are focused upon the operation of Bond and Evans in Webster parish, just over the Claiborne line, in 13-23-9 on their Winn No. 1. This test is standing 2,500 feet in oil at 2,797. The test is three-quarters of a mile southeast of the Gleason wells of J. K. Wadley and the Louisiana Oil Refining corporation, which created the original Webster sensation. If the test of Bond and Evans comes in, the long looked-for link between Haynesville would be found and tremendous territory opened to exploration.

Another sensation of the week was the fire in gasser of the Oil Operators' Trust Company in section 8-16-15, Union county, Arkansas, nine miles north of El Dorado. This company, drilling No. 1 Murphy, ran into a great gas blowout at 2,500 feet. The drillers had set 250 feet of surface casing and had reached to 1,900 feet, ratholing the rest of the way. The gas blew in at pressure estimated from 65,000,000 to 150,000,000 cubic feet. The derrick was wrecked. Later a huge crater formed at the well and smaller craters opened in the vicinity, the entire locality was in flames in a short while, sand against the casing firing the igniting spark. Heavy sand cavings put out the flames. Some operators believe the blowout a freak, saying the operators ran into a gigantic gas pocket. A

thorough test of the locality, however, is in prospect.

Wells completed in all fields totaled 51, of these 43, producers.

Comparative production figures follow:

	This Week.	Last Week.
Haynesville	51,872	48,000
El Dorado	34,782	36,000
Homer	16,875	16,150
DeSoto-Red River	7,800	6,950
Caddo, light	7,850	7,190
Caddo, heavy	3,420	3,500
Bellevue	2,100	2,350

Totals 124,699 120,140
Gain for week, 4,559 barrels.

Completions of the week in the various districts follow:

WEEK'S SUMMARY OF THE OIL NEWS

Only Slight Increase Noted in Production Figures Over Last Report.

Special to the Gazette.
Shreveport, La., July 1.—Efforts to link the Haynesville and Webster fields continue to be the outstanding feature in the operations in the north Louisiana oil fields. A number of tests are drilling on both sides of the line, dividing the Webster and Claiborne parishes. In the Claiborne parish field efforts are also under way to extend the original Haynesville pool, several tests being drilled in sections 7 and 8. Three wells were reported from this sector of the field, totaling 230 barrels initial production.

Possibly the item of deepest concern to the oil industry was the imposition by the lower House of the Louisiana legislature of the three per cent oil severance tax during the week. The vote was a great surprise, 102 voting for the tax and only two against it. The Mid-Continent Oil and Gas Association, Louisiana division, through Jos. B. Elam, secretary, has issued a statement in which he declared the membership in the future would devote its efforts of exploration to fields outside of Louisiana, where operations are less costly. He also stated that the levy imposed by the legislature will be paid only after the constitutionality of the act has been tested in the higher courts of the state and, if need be, in the Supreme Court of the United States.

Outstanding in the record of the week is the perfect score of the fields, 36 wells being completed, all producers. The wells were distributed over the fields as follows: Haynesville, 25; El Dorado, 7; Bellevue, 3; Caddo, 1.

Production Statistics.
Production figures, compared with the week before, were practically stationary, a slight increase being noted. The figures follow:

	This Week—Last Week	
Haynesville	51,250	51,784
Homer	15,720	15,120
El Dorado	31,560	31,230
Bellevue	3,208	2,511
Caddo, light	8,124	8,520
Caddo, heavy	3,620	3,512
Red River-De Soto	7,968	7,750

Totals 121,390 120,427

With the Shaw case as a criterion, assessments in Caddo parish on oil production will be cut from \$5,500,000 to \$687,500. The suit was brought recently by G. T. Shaw in the Claiborne District Court. Henceforth, oil property owners will be assessed only on the basis of their royalty interest, instead of on the \$500 basis, which prevailed before. Completions of the week follow:

SLUMP IN OUTPUT DURING THE WEEK

Louisiana - Arkansas-Texas Triangle Falls Off 48,000 Barrels.

Special to the Gazette.

Shreveport, La., Aug. 20.—Nine hundred and thirty thousand five hundred and ninety-four barrels of oil were produced by the oil fields within the southern Arkansas-north Louisiana and east Texas triangle during the week. These figures mark a decline in the output of the seven days, compared with the corresponding seven-day period of the week before, of more than 48,000 barrels. The difference is accounted for by slumps in the El Dorado, Haynesville, Caddo and Bull Bayou fields, Homer being the only district to show an increase.

Daily average runs from the fields were as follows:

El Dorado	74,364
Homer	29,703
Haynesville	7,674
Bull Bayou (De Soto-Red River)	6,581
Caddo, light oil	7,780
Caddo, heavy oil	6,840

Total 132,942
The weekly output for the fields

follows:

El Dorado	520,548
Homer	207,921
Haynesville	53,718
DeSoto-Red River	46,967
Caddo, light oil	54,460
Caddo, heavy oil	47,880

Total 930,594

A total of 33 wells were completed in all districts during the week. Of these El Dorado scored 20 wells, of which eighteen were producers, one a gasser and the other a dry test. Caddo added three producing wells. Homer recorded two failures. Haynesville had two producers. Red River added three wells, two of these producers and the other a failure. Webster and Bienville parishes and East Texas reported a failure each. New wells yielded an initial production, estimated at 22,712 barrels, of which 22,067 came from new El Dorado producers.

Completions for the week follows:

El Dorado District.
The Humble Oil and Refining Company completed No. 5 Weldon in section 31-17-15, making 72 barrels at 2,147 feet. The Standard Oil Company brought in No. 2 Ingram, in section 25-17-15, with 150 barrels at 2,164 feet. They also completed the No. 3 Weldon, in section 3-17-15, making 120 barrels at 2,188 feet. The White Oil Corporation got a 200-barrel producer in No. N-1 Armstrong, in section 30-17-15, at 2,199 feet. The Arkansas Inevincible Oil Corporation completed No. 1 Carroll, in section 17-18-15, making 3,000 barrels at 2,163 feet. The Blue Grass Oil Company tested salt water in No. 1 Harrison, in section 16-18-15, at 2,188 feet. The B. M. B. Drilling Company completed a 1,000-barrel well in No. Pratt, in section 8-18-15, at 2,180 feet. Empire Oil Company and Hickman & Baird completed a 5,000,000 cubic feet gasser in No. 1 Lacy in section 6-18-15, at 2,135 feet. The Gulf Refining Company of Louisiana completed three wells. Its No. 4 W. J. Baker, in section 7-18-15, came in with 1,200 barrels at 2,147 feet. The No. A-2 Pratt, et al. in section 7-18-15, came in with 700 barrels at 2,163 feet and the No. 3 J. C. Rowland, in section 5-18-15, made 125 barrels at 2,122 feet. Keen & Woolf completed No. 4 Pratt, in section 5-18-15, making 2,000 barrels at 2,134 feet. Mountz et al. brought in their No. 2 Pratt, in section 8-18-15, with 1,500 barrels at 2,143 feet. Sobesky et al. completed No. 1 Pickering, in section 17-18-15, making 2,500 barrels at 2,154 feet. The Standard Oil Company of Louisiana added three more wells, in addition to its earlier pair of completions giving the company a total of five for the week. The trio of wells comprised: No. B-3 Hinson, in section 6-18-15, making 3,000 barrels at 2,149 feet; No. C-2 Hinson, in section 7-18-15, making 2,000 barrels at 2,166 feet; No. B-1 Coombs, in section 18-18-15, making 1,800 barrels at 2,142 feet. The Sun Company completed No. A-3 Carroll, in section 17-18-15, making 1,000 barrels at 2,137 feet. The Ten Dollar Bill Company completed No. 1 Pickering, in section 17-18-15, making 2,000 barrels at 2,160 feet. Woodley et al. brought in their No. 1 Wood, in section 6-18-15, making 5,000,000 cubic feet of gas and 200 barrels of oil at 2,165 feet.

North Louisiana.

HAYNESVILLE FIELD HAS 5,000-BARRELER

Roxana Company Brings In One of Best Wells in the District.

Special to the Gazette.
Shreveport, La., Nov. 23.—Completing the first of six wells for which they have contracts with the Roxana Petroleum Company, Boatright & Cheesman today brought in No. 1 Bond, in 21-23-8, Haynesville district, making 5,000 barrels from 2,744 feet, in 12 feet of sand. The completion is regarded as one of the best wells in the field and, it is said, will increase its production with the addition of a second flow line.

The Roxana Petroleum Company barely missed opening the Haynesville district two years ago. A fortune was spent in geological exploration previous to the drilling of two wells, both of which were abandoned about 200 feet above the pay later discovered by Smitherman et al. Following these failures the Roxana holdings were taken over by J. E. Smitherman, R. T. Layne and E. G. Palmer and several Haynesville people, who completed the discovery well in the last week of March this year and later bought back a part of the leases.

A second big well in the same field was completed the same day by the Ohio Oil Company, in its No. 7 Taylor, in 14-23-8, making 2,500 barrels from 2,806 feet.

Since Haynesville, with 68 wells, showed up last week with half the daily average production of the El Dorado district with approximately 200 producers, predictions are being made that the newest of developed districts in the Shreveport territory will, within the next two or three weeks, pass Arkansas production and go to 60,000 barrels. Daily average production last week was 22,000 barrels, against El Dorado's 42,000, and since then three big wells have been added. Half a dozen more wells, in which indications are for big producers, are due for completion within the next four or five days.

J. Moffett, president, and W. C. Teagle, chairman of the board of the Standard Oil Company, accompanied by other New York officials, reached Shreveport Tuesday night and left Wednesday morning for Haynesville. After spending the day in an inspection of that district, they will go to El Dorado to look over company properties and general operations in that field before resuming the trip back to New York. They arrived from New Orleans and Baton Rouge following a trip through the Kansas, Oklahoma and Texas fields.

WEEK'S SUMMARY OF THE OIL NEWS

Haynesville Field, El Dorado's Rival, Fast Coming to the Front.

Special to the Gazette.
Shreveport, La., Nov. 26.—Haynesville, on the face of the week's operations, demands prominence and promises to bear out forecasts that its daily average production will shortly surpass that of the El Dorado district. This youngest field of the mineral district surrounding Shreveport came within 500 barrels of equalling the daily average output of the Homer pool and yielded half as much as the Arkansas wonder field.

Another outstanding feature was that the seven completions added a total initial production of 13,725 barrels, or an average of more than 2,000 barrels per well. In the El Dorado district 25 wells were completed with an estimated initial production totaling 15,040 barrels, or a little more than 600 barrels per well.

The Haynesville district came through 100 per cent while El Dorado yields a total of 25 new wells, of which 21 were producers, one a gasser and three failures. No other districts reported wells.

In the Haynesville district there was a slight extension of the original producing territory to the south. In El Dorado there was a quarter-mile southern extension of the Cates tract carrying the pool within six miles of the Louisiana state line.

Doubting Tomases who had fears lest the shallow sand discovered in Bossier parish was only a flash in the pan, were forcibly convinced during the week when R. O. Roy & Co. gave a three-hour demonstration of the capacity of its No. 2 Railroad Landa Company, in section 15-19-11, which came in with an estimated flow of 1,500 barrels and gauged 6,000 barrels at 397 feet. Oil was sent Tuesday through a two-inch line into a 250-barrel tank. During three hours of the test the well made an average of more than 55 barrels an hour, or approximately 1,500 barrels daily. If permitted to flow through 4-inch line the well, it is estimated, would make 6,000 barrels a day. The new field is known as the Bellview district.

Big Lease Deal.

Accentuating these developments and their importance came the news of the purchase of an offset forty to the discovery location by the Houston Ice and Brewing Association for

\$20,000, with a clause attached to the transfer requiring immediate drilling of two offsets. This lease is located in the southeast quarter of the southeast quarter of section 10-19-11, the Caddo-Bossier Hunting Club being the lessor. Drilling operations will begin at once.

Daily average production figures for the week were as follows: Caddo light oil, 7,692; Caddo heavy, 4,497; DeSoto and Red River, 8,542; Haynesville, 23,500; Homer, 24,000; El Dorado, 47,000; total, 115,231.

A summary of the week's completions follows:

WEEKLY REVIEW OF THE OIL INDUSTRY

Louisiana and Arkansas Fields Have Only Four Small Completions.

Special to the Gazette. 11-26-27
Shreveport, La., Nov. 19.—North Louisiana and South Arkansas oil and gas areas have passed another quiet week. Deep sand activity in the Trinity horizon of Caddo parish, Pine Island, furnished the only flurry of interest aside from two gas fields, Richland and Waskom.

Two flowing wells, both at the 3,900 foot level, were completed in the Pine Island area, being the only Louisiana contributions to the oil completions column and half of the four producers completed in the two states for a combined initial yield of 785 barrels. This rather meager showing, however, was a somewhat better record than the week before when only three producers were completed with a combined yield of 655 barrels.

The last week also accounted for six gassers and no failures, while the preceding seven days had recorded one gas well and four failures. Four of the gas wells completed during the week were in the Waskom area, which with Cartersville, Bossier parish, and Richland parish, is furnishing the bulk of the gas activity.

In the Richland field renewed activity is expected to follow on the heels of the announcement that Moody & Seagraves, who have large acreage in that district, will pipe gas from there to St. Louis and intermediate Arkansas towns. Already Richland has 18 gas wells that are producing, although the field is only one year old. However, the gas from only one well is being utilized because of a lack of a market.

The two flowing wells completed in the Trinity horizon of Pine Island were the Texas Company's C. M. L. No. 49, section 23-21-15, brought in at 3,909 feet, making 225 barrels and the Arkansas Fuel Oil Company's Bashara No. 2 in the same section, flowing 360 barrels from 3,900 feet.

Louisiana.
Caddo parish—Pine Island: Arkansas Fuel Oil Co., Bashara No. 2, section 23-21-15, at 3,909 feet, 360 barrels flowing; Texas Co., C. M. L. No. 49, section 23-21-15, at 3,909 feet, 225 barrels.

Bossier parish—Cartersville—Magnolia Petroleum Company, Roberson No. 1, section 23-23-12, at 3,077 feet, 38 million cubic feet gas.

Ouachita parish—Hatcher & Evans, Hatcher No. 6, section 16-19-4E, at 2,209 feet, five million feet dry gas.

Caddo parish, to drill—Belchic & Laskey, P. A. Sharp No. 3, section 11-18-18; Double H Oil Co., Wadkins No. 8, section 27-21-15. To abandon—Gulf Refining Co., Perry Lake No. 159, section 14-20-16; R. G. Newland No. 10, section 27-20-15; Pittsburgh Oil and Development Co., Herndon No. 1, section 15-21-15.

Calcasieu parish, to drill—Vinton Petroleum Co., Gordon 2 Acres No. 1, section 34-10-12W. To work over—C. M. Crotty, J. F. Lillard No. 7, section 28-9-11W.

Claborn parish, to abandon—Louisiana Oil Refining Corporation, Beene No. 2, section 15-23-8W; W. E. DeLoach A2, section 22-23-8; Garrett No. 2, section 24-23-8; Ohio Oil Co., T. G. Seegars No. 1, section 10-23-8; J. H. Whaley No. 1, section 9-23-8.

DeSoto parish, to drill—American Controlled Oil Co., Lanier No. 2, section 5-11-11; William Sebastian, trustee, Wolf No. 1, section 3-10-13.

Franklin parish, to drill—Louisiana Petroleum Corporation, Tensas Delta and Co. No. 1, section 11-11-6E.

Jackson parish, to abandon—Ferguson & Thurman, Martin Land and Cattle Co. No. 1, section 5-15-1E.

Natchitoches parish, to drill—Lawson & Pharis, Dave Delrie No. 1, section 18-5-5.

To abandon—Lawson & Pharis, Clark & Morse Lumber Co. No. 3, section 25-5-6.

Ouachita parish, to drill—Imperial Oil and Gas Products Co., E. W. Stubbs No. 3, section 13-19-3E; Palmer Corporation of Louisiana, West Virginia Timber Co., No. 3, section 5-18-4E; Ouachita Natural Gas Co., Smith No. 7, section 38-20-4E; West Virginia Oil and Gas Co., West Virginia Land and Timber Co., No. 5, section 5-18-4E.

Richland parish, to abandon—Moody & Seagraves, Jones No. 1, section 15-18-7E.

Texas.
Harrison county—Waskom—Ford et al, Purh No. 1, E. M. Jenkins headright survey, at 1,004 feet, five million feet gas; C. H. Lyons et al, Bryson No. 4, T. D. Wilson headright survey, at 965 feet, five million feet dry gas; R. W. Torrans, Z. E. Vaughan No. 1, W. R. Anderson headright survey, six million feet dry gas at 974 feet; A. L. Waller et al, Z. M. Bryson No. 1, W. R. Anderson headright survey, at 958 feet, four million feet dry gas.

Arkansas.
Nevada county—Humble, R. R. Fairchild No. 2, section 6-14-20, at 1,197 feet, 50 barrels pumping.

Smackover—Marine Oil Co., Snyder No. 14, section 34-15-15, at 2,355 feet, 150 barrels, pumping; Exchange Oil Co., Berg No. 4, section 4-16-15, at 2,599 feet, 8,000,000 feet gas.

Permits issued were: Bossier parish, to drill—Belchic & Laskey, G. W. Roberson No. 1, section 22-23-21; Arkansas Natural Gas Co., G. C. Barnett et al. No. 1, section 17-23-12.

Sabine parish—To drill—Dixie Oil Co., Inc., Steinfeld No. 1, section 20-10-12W; Tarpe Drilling Co., Logan Oil Co., No. 1, section 86-10-13W.

Webster parish, to drill—Arkansas Natural Gas Company, North Central Texas Oil Co., Inc., et al. No. 1, section 36-23-10; Northwest Louisiana Gas Company, Inc., J. L. Munn No. 1, section 36-23-10.

Daily average oil production in North Louisiana and south Arkansas dropped 2,541 barrels during the week ending November 16. Recessions in Smackover, heavy, as well as in Caddo light, caused the recession. Nevada county showed the largest per cent of gain during the week, rising 795 barrels to 4,005 barrels, a new high point.

Averages by districts for the two weeks follow:

Louisiana.	Nov. 16.	Nov. 9.
Caddo, light	12,485	12,945
Caddo, heavy	4,302	4,255
Red River-De Soto-Sabine		

WEEKLY REVIEW OF THE OIL INDUSTRY

Field Extensions in Both Arkansas and Louisiana Feature Activities.

Special to the Gazette.
Shreveport, La., Nov. 26.—Oil and gas activity in north Louisiana and south Arkansas during the last week while showing only a slight improvement in amount over the preceding week, was a period of important developments, two extensions, one in Richland parish, Louisiana, and the other in El Dorado, east field, and a new producing stratum in the Trinity horizon of the Pine Island (Caddo parish, La.) field being the trio of important accomplishments.

Woodley Petroleum Company's Herler Noel in section 31-18-7E, Richland parish completed as a 3,000,000-foot gasser at 2,478 feet was important in that it extended that area over four miles to the northeast and indicates that the area, where 20 gas wells have been completed, is a large one.

The Humphrey No. 1 of E. M. Jones in section 2-17-14, Union county, in south Arkansas' newest producing territory was an extension of that field and caused a considerable flurry of excitement around El Dorado where oil development has been comparatively quiet recently. The Jones well is the best producer in this area being good for 1,000 barrels and while it did not reach the completions column because of lack of a 24-hour gauge is nevertheless of great importance. The well came in around 3,000 feet.

In Pine Island new lower levels in the Trinity horizon continue to be reached. The Dixie Oil Company's Robertson No. 89 in section 14-21-15 at 3,997 feet has uncovered a second producing level below the Colles formation where the First Trinity produc-

tion might ago the Texas company in one of its Herndon wells in the same section had gone below the Oolites for a new stratum. The well is a 1,000-barrel gusher.

During the week five producers added 1,070 barrels of new yield as compared to 785 barrels from four producers the week before. The last week also recorded 11 gassers as compared to six the preceding week. Only one failure was recorded last week and none the week before.

Completions for the week were as follows:

Louisiana.
Pine Island—Dixie Oil Co., Robertson No. 89, Caddo parish, section 14-21-15, at 3,997 feet, 1,000 barrels; T. G. Gray et al, J. J. Hart No. 1, section 29-12-16, at 2,393, 15 barrels; Superior Oil Co., Youree No. 6, section 26-20-15, at 2,301, 10 barrels.

Webster parish—Cotton Valley; Magnolia Petroleum Co., Ira Cox No. 3, section 23-21-10, at 4,618 feet, 5,000,000 feet gas.

Webster parish—Spring Hill; Magnolia Petroleum Co., Wise No. 1, section 30-23-9, at 2,718 feet, 35,000,000 feet gas.

Caddo parish—Blanchard; Belchic & Laskey, R. T. Sharpe No. 3, section 10-18-16, at 910 feet, 3,000,000 feet of gas.

Morehouse parish—Ladell et al. Fee No. 45, section 20-20-5E at 2,223 feet, 13,000,000 feet gas.

Ouachita parish—Imperial Oil and Gas Products Co., Stubbs No. 2, section 13-19-3E at 2,155 feet, 5,000,000 cubic feet gas; Industrial Gas Co., McGee No. 1, section 3-18-4E, at 2,189 feet, 2,000,000 feet of gas.

Richland parish—Woodley Petroleum Co., Hemler No. 1, section 31-18-7E, at 2,478 feet, 3,000,000 feet of gas.

Waskom—Caddo parish; W. H. Cross, State Line and Natural Gas and Fuel Co., No. 1, section 17-17-16, at 942 feet, 5,000,000 feet of gas.

Arkansas.
Texas Company, Davission No. 1 section 26-15-16, at 2,755 feet, junked and abandoned.

W. R. Keever, Ezzell No. 3, section 12-17-15, at 2,163 feet, 40 barrels.

Sun Company, Hays No. 12, section 3-16-15, at 1,975 feet, 15 barrels.

Drilling permits issued during the week ending November 23 in Louisiana showed a slight gain over the level of the preceding week 19 new tests being authorized during the last week as compared to 17 the preceding week. The last week also recorded two permits to deepen and seven to abandon. One workover and eleven to abandon were issued the week before.

A list of the permits follows:
Arcadia Parish, to drill—Evangello Oil Corporation Inc., Conekin No. 1, section 45-9-2W.

Bossier, to drill—Autrey Oil Co., Snider No. 3, section 22-19-11; R. L. Crook, Larkin No. 9, section 14-19-11; O'Brien Brothers, C. O. Farrington No. 1, section 21-23-12; Palmer Corporation, Lewis Burke No. 1, section 26-17-12.

Caddo, to drill—Bee Oil Co., Enslow No. 1, section 29-20-15; J. L. Ferguson, Z. Abney No. 1, section 7-17-16; Greenwood Production Co., Cooper & Ellere No. 1, section 15-18-14; Rogers & Jensen, Newton Smith No. 1, section 22-20-15; Standard Oil Co. of La., W. P. Stiles et al No. 190, section 27-21-16; Texas Company, A. Herndon No. 8, section 14-21-15; A. Herndon No. 9, section 14-21-15; Woodley Petroleum Company, Knight B-5, section 2-15-12.

Calcasieu, to deepen—Vinton Petroleum Co., Gray No. 48, section 33-10-12.

Cameron, to drill—Calcasieu Oil Co., Inc., et al, Olevia No. 1, section 36-12-10; Yount-Lee Oil Co., State Land No. 6, section 36-12-10.

Claborn, to deepen—Gulf Refining Co., Len Langston No. 8, section 24-21-8; to abandon Hanszen & Mayberry, J. H. Kennedy No. 2, section 18-23-8.

Morehouse, Consolidated Carbon Co., Perry No. 1, section 14-20-4E, to abandon, Consolidated Carbon Co., Perry No. 1, section 14-20-4E.

Ouachita, to drill—United Carbon Co., Nelson Fee No. 2, section 6-19-5E; to abandon; J. J. Potts, Bruce No. 1, section 27-18-5E, Bruce No. 2, section 4-18-5E.

Rapides, to drill—Louisiana Petroleum Corporation et al., Sam Allen No. 1, section 25-5-1W.

Red River, to abandon—Magnolia Pet. Co., Armistead No. 3, section 23-12-11; Armistead No. 58, section 7-12-10.

Daily average oil production in Louisiana and Arkansas dropped 2,284 barrels to a level of 144,955 barrels during the week recession of 1,545 barrels in the output of heavy Smackover which declined to a level of 74,000 barrels accounted for the bulk of the decline in the two states. The drop in Louisiana was 435 barrels bringing the average yield in this state to 48,124 barrels. Net drop in Arkansas was 1,849 barrels.

The figures by districts for the two weeks follow:

Louisiana.	Nov. 23.	Nov. 16.
Caddo, light	12,300	12,485
Caddo, heavy	3,985	4,302
Red River, DeSoto and Sabine	5,760	5,802
Homer	4,450	4,400
Haynesville	6,680	6,620
Cotton Valley	5,050	5,105
Bellevue	1,200	1,005
Urania	7,890	7,960
Little Creek	809	840
Total La.	48	48,559

Arkansas.
El Dorado

Smackover, light

Smackover, heavy

Lisbon

Total

Total

MANY LOCATIONS IN UNION COUNTY

Arkansas Field and Bossier Parish in Limelight During Week.

Special to the Gazette.
Shreveport, La., Dec. 3.—Union county, Arkansas, and the Cartersville field in Bossier parish, La., held the spotlight in the last week's oil and gas activity of Louisiana and Arkansas.

Union county had by far the edge, more than a score of new locations having been made following the completion of the E. M. Jones gusher on the Crane-Pumphrey lease in Section 2-17-14, the newest area in south Arkansas. The Garrett-Modisette Drilling Company's Gregory No. 1 in Section 10-17-14 in the same district, was giving promise of being another producer in the same area as the week neared its close.

In Cartersville, Bahan & Davis' Dodson No. 1 in Section 22-23-12 was completed as a 300-barrel well with 15,000,000 feet of gas and some salt water at a depth of 3,103 feet, although as a 24-hour gauge was lacking, official completion of the test was not listed. This is one of the largest oil producers completed in Cartersville, other wells being gassers aside from a spray of oil.

To add interest to Cartersville, Sales & Walker's Bolinger No. 3 in Section 30-23-11, an old well completed as a small gasser at 2,690 feet four years ago, was deepened 300 feet during the week and completed as a 25-barrel oil pumper. It was officially listed as a producer.

The Pine Island field of Caddo parish recorded only one well, a small one, and the Trinity horizon, where a number of sizeable gushers have been added lately, failed to enter the completions' list. This resulted in a considerable slump in the initial output for the week, the seven producers added in the two states aggregating only 285 barrels, as compared to 1,070 barrels from five producers the week before. The last week also recorded six gassers, as compared to the previous week's 11 gas wells, and both weeks recorded one failure each.

The low price of oil is making itself felt in new activity. During the week a cut of 15 cents sent the price of Cotton Valley crude to 85 cents.

Completions for the week follow:

Louisiana—Bossier Parish.
Cartersville—O'Brien Brothers, Dodson No. 1, Section 22-23-12, at 3,095 feet, 15,000,000 feet of gas; Sales & Walker, Bolinger No. 3, Section 30-23-11, at 3,091 feet, pumping 25 barrels.

Bellevue—R. L. Crook, Larkin No. 6, Section 14-19-11, at 396 feet, ten barrels.

Elm Grove—Sligo Syndicate, Smith No. 2, Section 24-17-12, at 1,722 feet, 3,000,000 feet of gas.

Caddo Parish.
Pine Island—Falcon Drilling Co., Schmidt No. 1, Section 27-20-15, at 2,292 feet, 75 barrels.

Blanchard—Belchic & Laskey, P. A. Sharpe No. 3, Section 11-18-16, at 950 feet, 3,000,000 feet.

DeSoto Parish.
American Controlled Oil Co., Lanier Oil and Gas Co. No. 1, Section 7-11-11, at 2,735 feet, pumping 50 barrels.

Union Parish.
Interstate Natural Gas Co., Steele No. 1, Section 36-20-3E, 6,000,000 feet of gas at 2,162 feet.

LaSalle Parish.
Urania—Pima Petroleum Company, Urania No. 10, Section 7-10-2E at 1,538 feet, pumping 60 barrels.

Waskom-Harrison Co. Texas.
J. R. Bahan, Hickman No. 2, E. Pollock headright survey, at 900 feet, 3,000,000 feet of gas.

Panola County.
Magnolia Petroleum Company, C. G. Steel No. 12, Yarrell headright survey, at 984 feet, 4,000,000 feet of gas.

Arkansas-Nevada County.
Burnham et al., A. McKinney No. 1, Section 9-14-21, at 1,262 feet, pumping 25 barrels; O'Brien et al., Moss 1-A-14, Section 1-14-21, at 1,180 feet, 50 barrels.

Columbia County.
Texas Company, Alexander No. 1, Section 8-17-19, at 3,003 feet, dry abandoned.

Production Shows Decrease.
Daily average oil production continued on the toboggan for the week ending November 30, dropping 563 barrels to a level of 144,392 barrels. A drop of 922 barrels in Louisiana was partially overcome by a gain of 359 barrels in Arkansas. The latter state's increase was caused largely by a rise of 520 barrels in the output of heavy Smackover, which increased to 74,520 barrels.

The figures for the two weeks follow:

Louisiana.	Nov. 30.	Nov. 23.
Caddo, light	11,840	12,300
Caddo, heavy	3,935	3,985
Red River-DeSoto & Sabine	5,700	5,760
Homer	4,435	4,450
Haynesville	6,703	6,680
Cotton Valley	5,025	5,050
Bellevue	1,020	1,200
Urania	7,745	7,890
Little Creek	800	809
Total	47,202	48,124

Arkansas.		
El Dorado	5,710	5,701
Smackover, light	9,380	9,420
Smackover, heavy	74,520	74,000
Lisbon	2,530	2,560
Stephens	1,200	1,220
Nevada county	3,840	3,980
Total	97,190	96,831
Total both states 144,392 144,955		

WEEKLY REVIEW OF THE OIL INDUSTRY

New Wells in Trinity Sand Feature Pre-Christmas Activities.

Special to the Gazette. 12-25-27
Shreveport, La., Dec. 24.—Trinity sand wells in Pine Island and Cotton Valley, La., developments in the new Rainbow City field of Union county, Ark., and continued completion of big gassers in Richland parish, La., were the high spots of the pre-Christmas week in the oil and gas territory of north Louisiana and south Arkansas.

Despite the imminence of the holidays, activity in the two states showed a marked increase over that of the preceding week, the week just closed accounting for nine producers with a combined initial yield of 1,110 barrels, 13 gassers and one failure as compared to two producers with 880 barrels the week before, three gassers and three failures.

The largest well of the week was Magnolia Petroleum Company's Robbershaw No. 21 in section 23-21-15, Pine Island district, completed in the Trinity sand at 3,938 feet, flowing 625 barrels entirely free of water. This was not the only Trinity well of the week, as the Ohio Oil Company's R. L. Holoway No. 4 in section 23-21-10 of Webster parish was completed as a 3,000,000-foot gasser at 4,537 feet with 1,300 pounds of rock pressure.

While the new Union county field in Arkansas entered the production column only with a 20 million-foot gasser of the Ohio Oil Company in its Rich Pumphrey No. 1 in section 2-17-14, and a 150-barrel pumper of the Grimes Brothers in their Williams No. 2 in section 8-18-14, more than a dozen other wells are well under way in the new field, and the Ohio apparently has added its Crain No. 5 in section two as a producer from a depth of 3,060 feet.

Besides Moody & Seagraves' McClanahan No. 1 in section 36-16-5E of Richland parish as a 36,250,000-foot gasser, the Natural Gas and Fuel Corporation added one of the field's largest gassers when its Sartor A-1 in section 9-16-6E came in as a 66,207,000-foot gasser, the well being gauged by the Conservation Commission.

Completions for the week follow:

survey at 2,402 feet, 20 barrels oil (pumping); A. W. Waller, J. M. Bryson No. 2, W. R. Anderson headright survey at 1,916 feet, gauged 5,600,000 cubic feet gas; S. H. Gardner et al., Roquemore No. 1, B. C. Jordan headright survey at 2,296 feet, two and one-half million feet of gas.

Arkansas.

Miller county—E. A. Martin, trustee, Mann No. 1, section 22-15-26 at 3,000 feet, dry, abandoned.

Union county—Rainbow, Ohio Oil Company, Rich Pumphrey No. 1, section 2-17-14 at 3,012 feet, twenty million feet of dry gas. Hillsboro—Grimes Brothers, Williams No. 2, section 8-18-14 at 2,239 feet, 150 barrels, pumping. Smackover—Lion Oil & Refining Company, Hays No. 1, section 4-16-15 at 2,345 feet, 30 barrels, pumping; Sunny Jim Oil Company, Plenniken No. 7, section 9-16-15 at 2,455 feet, 25 barrels, pumping.

A recession of 1,213 barrels in the output of heavy Smackover crude materially aided a drop of 1,452 in the daily average oil output of north Louisiana and south Arkansas, which fell to a level of 141,830 barrels for the week ended December 21. The average of heavy Smackover for the last week was 72,725 barrels.

Louisiana fields declined 449 barrels to an average of 46,435 barrels, while the combined drop in Arkansas was 1,003 barrels, that state averaging 95,395 barrels for the last week.

Averages by districts for the two weeks follows:

Arkansas.		
El Dorado	5,710	5,701
Smackover, light	9,380	9,420
Smackover, heavy	74,520	74,000
Lisbon	2,530	2,560
Stephens	1,200	1,220
Nevada county	3,840	3,980
Total	97,190	96,831

Louisiana.		
Caddo Light	11,810	11,990
Caddo Heavy	3,825	3,700
Red River-DeSoto, Sabine	5,700	5,585
Homer	4,408	4,525
Haynesville	6,410	6,550
Cotton Valley	4,685	4,990
Bellevue	980	990
Urania	7,665	7,785
Little Creek	725	820
Total Louisiana	46,698	46,435

Arkansas.		
El Dorado	5,710	5,701
Smackover, light	9,380	9,420
Smackover, heavy	71,685	72,752
Lisbon	2,370	2,495
Stephens	1,250	1,310
Nevada county	3,365	3,490
Total Arkansas	93,890	95,395

Probably the most interesting feature was the completion of a 50-barrel Trinity sand producer in the Pine Island field in Caddo parish by the Texas Company, which brought in its Noel B-14, in section 14-21-15, at a total depth of 3,050 feet, considerably higher than previous deep sand wells in that area, which have varied in depth from 3,600 to 3,950 feet.

There were only three producing oil wells completed in the two states with a combined initial yield of 133 barrels, a rather sudden drop from the new production of the week before when nine producers had added 1,150 barrels.

Besides the Texas company's well, J. H. Askew completed his Richardson No. 2 in section 25-13-11, in the old Naborton field of DeSoto parish as a 63-barrel well at a depth of 2,550 feet, and W. D. Chew added a 30-barrel pumper in section 33-21-16, Caddo parish, at a depth of 1,868 feet in his Fee No. 7.

Besides the three producers the last week also accounted for nine gas wells as compared to 13 gas wells the week before and one failure as compared to one the week before.

Despite the rather inglorious ending of the year 1927 the oil fraternity is facing the new year with optimism. The new Rainbow City field in Union county Arkansas, the Richland gas area in Louisiana, the recent extension of the Pleasant Hill field in Sabine and DeSoto parishes, and the Cartersville gas field in Bossier, all hold great promise aside from what the usual wildcat campaigns may uncover.

The last year has seen the discovery of the Rainbow City area, the Pleasant Hill field, and the development of the Cartersville and Richland gas areas which were uncovered just at the end of 1926.

While present producing levels in Smackover have apparently passed their peak, what production may be encountered at lower horizons is as yet undetermined and should the immense territory of the Smackover area duplicate the old Pine Island field in Caddo parish and become a Trinity sand horizon field the productivity of the field appears almost unlimited.

Further exploration of the deep horizons in both Louisiana and Arkansas can be expected in 1928, at least as soon as the flush production peak occasioned by overproduction in west Texas and Oklahoma is passed and the price of crude begins to climb.

What the two states have accomplished during the last year was done in spite of the greatest flood disaster in the history of Louisiana and Arkansas and high water interfered for weeks with activity in both states to say nothing of the effect the floods had upon automobile tourist traffic and the consequent falling off in the consumption of gasoline throughout the nation.

Completions for the weeks were:

Arkansas.		
Smackover (Ouachita county)—Phillips Petroleum Company, B. Joyce No. 19, section 33-15-15, at 2,650 feet, 5,000,000 feet gas, 125 pounds rock pressure; Standard Oil Company of Louisiana, Umstead No. 5, section 32-15-15, at 2,660 feet, 5,000,000 feet of gas, 125 pounds rock pressure.		

Daily average oil production in Louisiana and Arkansas dropped 1,242 barrels to an average of 140,588 barrels for the week. A decline of 1,040 barrels in heavy Smackover, which fell to 71,685 barrels, caused the bulk of the decline. Like heavy Smackover light production, that area also dropped, falling 200 barrels to 9,180 barrels.

The drop of 1,505 barrels in Arkansas, where the daily yield for the week averaged 93,980 barrels, was somewhat offset by a gain in Louisiana, where the average daily output rose 263 barrels to 46,698 barrels.

Figures for the two weeks follow.

Louisiana.		
Caddo Light	11,810	11,990
Caddo Heavy	3,825	3,700
Red River-DeSoto, Sabine	5,700	5,585
Homer	4,408	4,525
Haynesville	6,410	6,550
Cotton Valley	4,685	4,990
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Urania	7,665	7,785
Little Creek	725	820
Total Louisiana	46,698	46,435

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El Dorado	5,710	5,701
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Lisbon	2,370	2,495
Stephens	1,250	1,310
Nevada county	3,365	3,490
Total Arkansas	93,890	95,395

WEEKLY REVIEW OF THE OIL INDUSTRY

Three Completions in Arkansas-Louisiana Fields Features Year's Closing.

Special to the Gazette. 1-1-28
Shreveport, La., Dec. 31.—The last week of the year 1927 failed to bring a thrill to the oil fraternity of Louisiana and Arkansas, although the week was not devoid of important developments.

INITIAL PRODUCTION SHOWS DECLINE

Oil Review of Three States Records Drop in Producers During Year.

Special to the Gazette. 1-8-29
Shreveport, La., Jan. 7.—A total of 1,046 oil producers were completed during the year 1927, adding an initial yield of 59,124 barrels in north Louisiana, south Arkansas and east Texas, completed figures for the year reveal. This is a decided drop from the total of 1926, when 2,150 producers added 146,496 barrels of initial yield in the territory.

Figures for the two years are not as discouraging as first glance would indicate. Gas exploration has forged to the front to divide interest with oil in this territory and the money spent in the three states for pipe lines, gas royalties and labor probably exceed the figures which would have been paid out had just as many oil wells been completed last year as the year before. Gas figures for the last 12 months are not yet available.

Activity in the two states during the last week were considerably hampered by the excessive cold which gripped the territory for a majority of the period. Despite the cold a total of seven producers added 300 barrels of new yield as compared to 140 barrels from three producers the week before. The last week also accounted for eight gassers and three failures as compared to nine gassers and one failure during the preceding seven-day period.

Three of the new wells were in the Trinity horizon of the Pine Island field in Caddo parish, while the new Rainbow City field in Union county, Arkansas, added one of the last week's oil wells. In fact, the three deep wells comprised all of Louisiana's producers for the week, a similar number being added in Arkansas, all in various districts in Union county, while the Panola county (east Texas) field accounted for the seventh producer.

Completions for the week were as follows:

Louisiana.		
Webster Parish—Spring Hill Northwest Louisiana Gas Co., J. L. Munn No. 1, section 36-23-10, at 2,729 feet, 6,000,000 feet gas (estimated).		

Arkansas.		
Caddo Parish—Pine Island—Dixie Oil Co., C. M. L. No. 9, section 23-21-15, at 3,909 feet, 60 barrels, pumping; Texas Company, C. M. L. No. 51, section 23-21-15, at 3,942 feet, 50 barrels; Texas Company, Mabry No. 10, section 15-21-15, at 3,930 feet, 50 barrels, pumping. Greenwood—Ferguson et al., Z. Abney No. 2, section 7-17-16, at 1,936 feet, 4,000,000 feet gas (estimated).		

Probably the most interesting feature was the completion of a 50-barrel Trinity sand producer in the Pine Island field in Caddo parish by the Texas Company, which brought in its Noel B-14, in section 14-21-15, at a total depth of 3,050 feet, considerably higher than previous deep sand wells in that area, which have varied in depth from 3,600 to 3,950 feet.

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Bossier Parish—Bellevue, Autrey Oil Company, Snyder No. 4, section 22-19-11, at 411 feet, 1,000,000 feet gas.

Ouachita Parish—Monroe, West Virginia Oil and Gas Co., Fee No. 5, section 5-18-4E, at 2,173 feet, 5,000,000 feet gas (estimated).

East Texas.

Harrison county—Waskom—C. H. Lyons et al., Furrh No. 1, J. Short headright survey, at 1,037 feet, salt water, abandoned; Simms Oil Co., Polard No. 1, J. Short headright survey, at 1,029 feet, five million feet gas (estimated); Thomason et al., Timmons No. 2, Joel Lipscomb headright survey, at 985 feet, four million feet gas.

Panola county—Magnolia Petroleum Co., Sarah Davenport No. 2, Jesse Dunlop headright survey, at 2,398 feet, 15 barrels; Magnolia Petroleum Co., Jernigan-Estes No. 1, B. Lovell headright survey, at 1,075 feet, three million feet gas; C. Steele No. 13, B. C. Jordan headright survey, at 996 feet, one million feet dry gas.

A total of 1,453 permits were issued in Louisiana during the year 1927, of which 808 were permits to drill, according to the year's figures released by the Minerals Division of the state Conservation Commission.

In 1926 a total of 1,976 permits were issued in Louisiana, of which 1,311 were permits to drill new wells. Besides the permits to drill other permits were divided as follows: To deepen, 64; to abandon, 514; to perforate, 17; to work over, 14; to abandon temporarily, 22; to side-track, 10; to shoot, 2; to plug back, 1; and to whip out, 1.

The monthly permits list for December, 1927, shows the following: To drill, 60; to deepen, 7; to abandon, 37; to work over, 1; to abandon temporarily, 1; total for the month, 106.

Six drilling permits were issued for the week ending January 4 as compared to eight issued to drill the preceding week. The last week also recorded permits to abandon six wells and deepen one as compared to 13 to abandon the week before.

Probably the most interesting drilling permit issued was to Benson Oil Company to drill its Wolf No. 2 in section 3-10-13, DeSoto parish, an offset to the same company's Wolf No. 1 in the same section completed several

weeks ago as a 50 to 100-barrel producer and extending the Pleasant Hill producing area five miles northwest into DeSoto parish from Sabine parish where the field was uncovered last February.

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Acadia parish: To abandon—Texas Company, Houssiere Latrille No. 106, section 47-9-2E.

Bossier parish: To drill—Belchic & Laskey, H. H. Bain No. 1, section 31-23-11; Palmer Corporation, Roberson No. 1, section 26-23-12.

Caddo parish: To drill—Belchic & Laskey, Mrs. B. L. Croom No. 1, section 10-18-16; to abandon—Greenwood Production Co., S. A. Alexander No. 1, section 27-18-16; Louisiana Oil Refining Corporation, Fee No. 1, section 8-20-15.

Calcasieu parish: To deepen—Marrs-McLean, J. G. Gray Estate No. 1, section 33-10-12.

Clabourne parish: To abandon—El Dorado Pipe & Supply Co., G. T. Goree No. 1, section 28-23-8; G. T. Goree No. 2, same section.

DeSoto parish: To drill—Benson Oil and Gas Company, Wolf No. 2, section 3-10-13.

Natchitoches parish: To drill—Lawson & Pharis, Crowell & Spencer Lumber Co., No. 1, section 22-5-6W. To abandon: Lawson & Pharis, Dave Delrie No. 1, section 18-5-5.

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DeSoto parish—To abandon, Louisiana Public Utilities Company, Inc., Roscoe No. 1, section 22-12-13.

Iberia parish—To drill, Louisiana Land and Exploration Company, Avery Planting and Improving Company, No. 1, section 25-13-5E.

Ouachita Parish.

To drill: Palmer Corporation of Louisiana, Central Immigration Real Estate and Loan Company No. 2, section 1-19-4E; Peerless Carbon Company, R. L. Moore No. 3, section 49-20-4E.

To deepen: Coco Bend Oil and Gas Company, Cordell No. 1, section 23-15-3E.

Red River Parish.

To abandon: A. A. Hollingsworth No. 1, section 8-12-10W; Magnolia Petroleum Company, W. W. Armistead No. 8, section 24-12-11; J. C. Pugh No. 2, section 13-12-11.

Sabine Parish.

To abandon temporarily: S. P. Borden, trustee, Logan Oil Company No. 1, section 36-10-13W.

Terrebonne Parish.

To drill: Southern Gas Company, Inc., Southdown No. 4, section 103-17-17.

Webster Parish.

To abandon: Simms Oil Company, Waller No. 1, section 28-23-11.

Daily average oil production in north Louisiana and south Arkansas continued on the toboggan during the week, showing a drop of 1,502 barrels over the average for the preceding week. The week's average was 134,875 barrels. Louisiana gained 753 barrels, rising to 45,400 barrels, but Arkansas declined largely due to a recession of 1,035 barrels in heavy Smackover, which dropped to 69,035 barrels.

The averages for the last week follow:

Louisiana.		Jan. 11	Jan. 14
Caddo light	11,620	10,950	
Caddo heavy	3,870	3,802	
Red River-DeSoto and Sabine	5,510	5,400	
Homer	4,400	5,235	
Haynesville	6,155	6,380	
Cotton Valley	4,700	4,563	
Bellevue	1,020	927	
Urania	7,530	7,665	
Little Creek	605	725	
Total Louisiana	45,400	44,647	
Arkansas.		Jan. 11	Jan. 14
El Dorado	5,580	5,865	
Smackover light	8,235	8,975	
Smackover heavy	69,035	70,070	
Lisbon	2,300	2,255	
Stephens	1,225	1,225	
Nevada county	3,100	3,240	
Total Arkansas	89,475	91,730	
Total both states	134,875	136,377	

WEEKLY REVIEW OF THE OIL INDUSTRY

Pine Island Sand Wells Features Development in Two States.

Special to the Gazette. **1-22-28**

Shreveport, La., Jan. 21.—Aside from two Trinity sand wells in Pine Island district of Caddo parish, both of comparatively small capacity, the last week was devoid of features in the oil and gas area of north Louisiana and south Arkansas. The Rainbow City field in Union county, Arkansas, which featured the report of the preceding week, failed to register a producer, although two failures were recorded in that area.

The last week accounted for four producers with a combined initial yield of 305 barrels, which was a considerable slump from the level of the initial yield of the week before, when nine producers added 4,055 barrels new yield. Two big wells in the Rainbow City field, however, added the bulk of that week's initial yield. The week also recorded four gassers and six failures, as compared to 13 gassers and two failures the week before.

Besides the two producers in Pine Island, Nevada county, Arkansas, added two producers. Smackover did not enter the completions column, a small gas well being the only well completed in the largest area of the two states. Richland parish added a large gas well during the week and the old Spring Hill gas area in Webster parish also accounted for a good-sized gasser. A small gasser in Waskom on the Texas side rounded out all the wells accounted for during the last week except failures.

An effort to extend the Sabine parish field south resulted in failure when S. P. Borden's Logan No. 1 in section 36-10-13, resulted in a dry hole. Arkansas Fuel Oil Company's Logan No. 1, in section 32-10-12 of the same area was likewise a duster. The Borden well was abandoned at 3,314 feet while the Arkansas went approximately 1,000 feet below the producing level in the area to test dry at 3,980 feet.

Completions for the week were as follows:

Louisiana.

Webster parish, Spring Hill—Magnolia Petroleum Company, W. B. Roseberry No. 1, section 29-23-9, at 2,725 feet, 32,000,000 cubic feet of gas.

Caddo parish (Pine Island)—Dixie Oil Company, Clark et al. No. 1, section 14-21-15, at 3,956 feet, 160 barrels (flowing); Texas Company, J. K. Herold No. 10, section 14-21-15, at 3,925 feet, 80 barrels. Caddo parish (Shreve-

port)—Woodley, Johns, Mevey D-1, section 23-19-14, at 2,603 feet, dry and abandoned. Blanchard, Belchic & Laskey, B. L. Croom No. 1, section 10-18-16, at 956 feet, salt water, abandoned. Magnolia Petroleum Company, John John Furrh No. 1, section 32-18-16, at 2,755 feet, junked and abandoned.

Sabine parish (Pleasant Hill)—Arkansas Fuel Oil Company, Logan No. 10, section 32-10-12, at 3,980 feet, dry and abandoned; S. P. Borden, trustee, Logan No. 1, section 36-10-13, at 3,314 feet, dry; abandoned.

Richland parish (Lucknow)—Moody & Seagraves, Hemler B-2, section 6-15-15-3E, at 2,495 feet, 55,000,000 cubic feet of gas.

Texas.

Harrison county (Waskom)—J. R. Bahan, Furrh No. 6, J. Short, headright survey, at 1,015 feet, 5,000,000 cubic feet of gas.

Arkansas.

Ouachita county (Stephens)—Buffalo Oil Company, Culp No. 3, section 22-15-19, at 2,176 feet, 15 barrels; O'Brien et al., R. Haynie 1-B-1, section 6-14-20, at 1,218 feet, 50 barrels.

Union county, Rainbow City—Ohio Oil Company, H. R. F. Goode No. 1, section 2-17-14, at 3,025 feet, junked and abandoned; Rich Pumphrey No. 3, section 2-17-14, at 3,087 feet, salt water, abandoned. Smackover—Humble Oil and Refining Company, M. Murphy No. 4, section 3-16-15, at 2,630 feet, 4,000,000 cubic feet gas (estimated), 135 pounds rock pressure.

Daily average oil production dropped 394 barrels during the week, the average in the two states for the last week being 134,491 barrels. The decline in Arkansas was only 99 barrels, the remainder of the decline being in Louisiana.

Arkansas dropped from 89,475 barrels to 89,376 barrels, while Louisiana fell 295 barrels to 45,105 barrels. Light Caddo accounted for the drop in Louisiana, falling 470 barrels to 11,350 barrels.

The figures for the two weeks follow:

Louisiana.		Jan. 18	Jan. 11
Caddo, light	11,350	11,620	
Caddo, heavy	3,810	3,870	
Red River-DeSoto-Sabine	5,560	5,510	
Homer	4,410	4,400	
Haynesville	6,270	6,155	
Cotton Valley	4,625	4,700	
Bellevue	875	1,020	
Urania	7,550	7,530	
Little Creek	655	695	
Total Louisiana	45,105	45,400	
Arkansas.		Jan. 18	Jan. 11
El Dorado	5,715	5,580	
Smackover, light	8,421	8,235	
Lisbon	2,255	2,300	
Stephens	1,230	1,225	
Nevada county	3,020	3,100	
Total Arkansas	89,376	89,475	

Drilling permits in Louisiana remained at practically the same level for the week, 19 drilling permits being issued each week by the Minerals Division of the state Conservation Commission.

Caddo and Webster parishes led in number of drilling permits with four new wells being authorized in each of the two parishes.

Besides the 19 drilling permits issued during the week, there were five permits issued to abandon during the last week, one to abandon temporarily and one to deepen, as compared to nine for abandonment the week before, two to abandon temporarily and one workover.

Drilling activity continues in the Cartersville area of Bossier parish, it is indicated by the issuance of two permits to drill in that area. Richland parish, where there has been much activity in gas exploration and where many large gassers have been added in the last 15 months, did not enter the permit list for the week.

Two of the four drilling permits issued in Caddo parish were for wells in the Pine Island area and probably will be tests to be drilled to the Trinity deep horizon.

Permits for the week were:

Bossier Parish.

To drill—Ellis & Markley, Hunter No. 6, section 13-16-12; Woodley & Collins H. H. Bain No. 1, section 31-23-11; S. H. Bolinger Lumber Company No. 1, section 36-23-12.

To abandon temporarily—Woodley &

WEEKLY REVIEW OF THE OIL INDUSTRY

Ascension Parish and Rainbow City Fields Feature Developments.

Special to the Gazette. **1-27-28**

Shreveport, La., Jan. 28.—A wildcat gas well opening an entirely new area in Ascension parish, Louisiana, development in the Rainbow City field of Union county, Arkansas, and a large deal in Richland parish, Louisiana, gas rights approximating \$1,000,000, were the outstanding feature of the last week in the north Louisiana and south Arkansas oil and gas territory.

Gulf Refining Company completed its McElroy No. 3, in section 15-10-4E at 1,660 feet, as a 10,000,000-foot well after its McElroy No. 1 in the same section blew in several months ago, cratered and swallowed the derrick and drilling equipment. The well is the first commercial gasser ever completed in Louisiana east of the Mississippi river. Considerable drilling activity is expected to follow. The Gulf has secured permit to drill an offset.

After approximately ten new locations had been made offsetting Keen & Woolf's and Murdock's Gregory No. 1 in section 10-17-14, Union county (Rainbow City) where a completely separate horizon than that encountered in sections 1 and 2-17-14 had been encountered, the Gregory well sanded up and went dead. It had been flowing approximately 500 barrels of oil daily, with a similar amount of salt water.

The Gregory well was completed around 2,750 feet, approximately 300 feet above the wells completed in sections one and two, giving rise to the belief it had revealed an entirely different structure. This, however, was disputed by some geologists.

Belchic & Laskey, Shreveport oil and gas operators, during the week announced the purchase of approximately 3,000 acres of gas rights in the Richland gas field from the Roxana Petroleum Company and the Louisiana Oil Refining Corporation for an consideration reported to have been approximately \$1,000,000. The operators within six months plan to have a gas line serving 30 south Louisiana cities and towns with gas from that area where lines to St. Louis, Memphis and other out-of-the-state cities are already being planned.

Completions for the week were as follows:

Louisiana.

Caddo parish (Pine Island)—Simplex Oil Corporation, Thomas et al. No. 4, section 15-20-15 at 2,208 feet, 25 barrels, pumping.

Bienville parish—Louisiana Petroleum Corporation, Hayes No. 1, section 18-16-5W at 2,970 feet, salt water, abandoned.

Ouachita parish (Monroe)—Palmer Corporation, West Virginia Lumber Co. No. 3, section 5-18-4E at 2,193 feet, 8,000,000 feet of gas (estimated).

Richland parish (Lucknow)—Stovall Drilling Co., W. Dunning No. 1, section 26-16-6E at 2,450 feet, 28,000,000 feet of gas.

East Texas.

Panola county—Magnolia Petroleum Company, L. Fletcher No. 1, B. C. Jordan headright survey, at 2,835 feet, dry, abandoned; J. M. Trosper No. 1, James Shadoins headright survey, at 2,416 feet, 25 barrels, pumping.

Arkansas.

Union county, Rainbow City—Ohio Oil Company, Crane No. 5, section 1-Union county, Smackover—Rice et al. 17-14, at 3,056 feet; 125 barrels.

al, Newton No. 1, section 13-17-16, at 3,286 feet; dry, abandoned.

New drilling operations in Louisiana showed a considerable slump during the week as compared to the week-end previous, according to the list of drilling permits issued by the minerals division of the State Conservation Commission. Eleven new wells were authorized during the week just closed as compared to 19 during the preceding period.

Ouachita parish, which is located in the Monroe gas field, led in number of new wells authorized for the week

with four drilling permits issued. In addition to the 11 new wells authorized during the week, there were seven permits to abandon, one to plug and perforate, and one to work over, as compared to five to abandon, one to abandon temporarily, and one to deepen the week before.

The permit to plug and perforate was issued to the Ohio Oil Company for its E. K. Smith No. 25, in section 12-21-15, Caddo parish, where a test reaching below 6,000 feet had been drilled in this well. The permit authorizes the owners to plug and perforate at 4,369 feet, where it is intended to attempt to complete the well as a gasser. The well, which is located in the Trinity field of the Pine Island area, was drilled for geological purposes and to see what formations lay below the Trinity. It is one of the deepest holes sunk in north Louisiana.

Richland parish, where much drilling is under way in the gas area there, 21 rigs being operated at present, showed two permits to drill. Bienville parish will have an interesting wildcat test in S. P. Borden's L. and A. Oil Company No. 3, in section 1-15-8W, which was authorized during the week. The Cartersville area of Bossier parish did not enter the permits list, only one new well being authorized in that parish, it being located in the Elm Grove gas field.

Permits for the week were as follows:

Bienville parish, to drill—S. P. Borden, Louisiana and Arkansas Oil Company No. 2, in section 1-15-8W.

Bossier parish, to drill—William Gross, Mercer Estate No. 1, in section 21-16-12.

Caddo parish, to perforate and plug—Ohio Oil Company, E. K. Smith No. 25, section 12-21-15. To abandon—Bayou State Oil Corporation, Fee No. 3, in section 24-22-15; Dixie Oil Company, D. A. Huckaby No. 1, in section 33-22-15.

Calcasieu parish, to drill—Glimmer Oil and Gas Company No. 1, in section 28-9-11; Vacuum Oil Company, Lock-Moore No. 5, in section 4-10-9; to rework—J. G. Sutton et al., A. Reed No. 1, section 28-9-11.

LaSalle parish—Wingfield, Debie & Gibson No. 2, section 2-9-1E; Urbana Lumber Company No. 1, in section 2-9-1E; Chal Daniels No. 1, in section 2-9-1E.

Morehouse parish, to drill—Elbert Petroleum Company, Morehouse Planting Co. No. 1, in section 40-19-7E.

Ouachita Parish.

To drill—Jordan Drilling Company, J. D. McGee No. 2, section 10-18-4E; Natural Gas and Fuel Corporation, McEnery No. 1, section 21-19-4E; Ouachita Natural Gas Company, Inc., Smith No. 8, section 37-19-4E; Southern Carbon Company, Phillips No. 3, section 8-19-4.

Richland Parish.

To drill—Moody & Seagraves, Sartor C-1, section 17-16-6E; Southern Carbon Company, Spann et al No. 1, section 8-16-6E.

St. Mary Parish.

To abandon—Louisiana Land and Exploration Company, West Cote Blanche Bay No. 1, section 18-15-8E.

Webster Parish.

To abandon—Magnolia Petroleum Company, Elijah Smith No. 1, section 29-21-10.

After dropping consistently for the last several weeks, the daily average oil production in north Louisiana and south Arkansas rallied during the week and showed a gain of 734 barrels rising to a level of 135,215 barrels. The gain was attributed by oil men to the improved weather conditions which prevailed in the territory.

Both Louisiana and Arkansas showed gains, the former state's output rising 358 barrels to 45,463 barrels and the latter increasing 376 barrels to an

average of 89,752 barrels. A gain of 365 barrels was made in heavy Smackover which rose to 69,100 barrels.

Figures for the two weeks by districts follows:

Louisiana.		Jan. 25	Jan. 18
Caddo, light	11,630	11,350	
Caddo, heavy	3,865	3,810	
Red River-DeSoto-Sabine	5,450	5,560	
Homer	4,380	4,410	
Haynesville	6,255	6,270	
Cotton Valley	4,810	4,625	
Bellevue	853	875	
Urania	7,540	7,550	
Little Creek	660	655	
Total Louisiana	45,463	45,105	
Arkansas.		Jan. 25	Jan. 18
El Dorado	5,590	5,715	
Smackover, light	8,817	8,421	
Smackover, heavy	69,100	68,735	
Lisbon	2,300	2,255	
Stephens	1,235	1,230	
Nevada county	2,710	3,020	
Total Arkansas	89,752	89,376	

Gain 734 barrels.

WEEKLY REVIEW OF THE OIL INDUSTRY

Ascension Parish Discovery Well Features Developments in Louisiana.

Special to the Gazette. **2-5-28**

Shreveport, La., Feb. 4.—Discovery of an entirely new oil field in Ascension parish, with the completion of Gulf Refining Company's McElroy No. 3 in section 15-10-4E at a depth of 1,660 feet as a 10,000 to 12,000 barrel gusher was the outstanding feature of the last week in the oil activity of Louisiana and Arkansas.

The new field, which is located on a salt dome formation, is more than 100 miles from nearest production and is the first commercial oil well completed east of the Mississippi river in the South. The well blew in while operators were attempting to obtain a gauge after the well had come in as a small gasser.

The well, which is carried on the records of the Conservation Commission as United Lands Company No. 4, is the third well drilled in that section by the Gulf. McElroy No. 1 came in as a gasser, cratered and swallowed the derrick. No. 2 was a failure and No. 3 is a gusher. Geologists declare that in a salt dome formation the oil if found will be found along a fringe around the dome. The peak of the dome is barren of oil and when tests are drilled at the base of the dome, salt water is encountered. Prediction is made by "the rock hounds" that the Ascension field will not be over a mile square, but it will be a field of gushers. However, others contend the geologists are wrong and the field will be large. It was discovered by tortion balance and seismograph.

Four producers in the new Rainbow City field in Union county, Arkansas, one a 1,000-barrel gusher completed by E. M. Jones in his Crain No. 2 in section 2-17-14, comprised four of the five wells added in the two states during the last week aside from the Ascension well, which is capped in. A 24-hour gauge has not been obtained consequently it is not on the official completions list. The five producers on the list added 1,191 barrels of new yield as compared to 175 barrels from three producers the preceding week. The last week also accounted for one gasser and six failures as compared to two gassers and four failures the week before.

Completions for the week were as follows:

Louisiana.

Claiborne parish (Haynesville)—Magnolia Petroleum Co., Lee No. 1, section 16-22-8, at 5,100 feet, dry, abandoned.

Caddo parish (Waskom)—Arkansas Natural Gas Co., Alexander No. 1, section 20-16-15, at 3,075 feet, dry, abandoned.

Bossier parish (Elm Grove)—J. S. McCullough, Hodges No. 5, section 25-16-12, at 1,548 feet, 30 barrels, pumping.

Grant parish (Colfax)—W. D. Ball et al., Calhoun No. 1, section 4-7-4W, at 2,108 feet, dry, abandoned.

Richland parish (Lucknow)—Natural Gas and Fuel Corporation, Thomson A-1, section 2-16-6E, at 2,477 feet, sixty-six million cubic feet of gas.

Arkansas.

Ouachita county (Smackover)—J. W. Reynolds No. 1 section 21-14-17 at 2,297 feet, dry abandoned.

Union county (Rainbow City)—E. M. Jones, Crain No. 2, section 2-17-14 at 3,012 feet, 1,000 barrels; Crain No. 4, section 2-17-14 at 3,067 feet, 100 barrels; Ohio Oil Co., Crain No. 6, section 1-17-14 at 3,031 feet, 25 barrels pumping; Crain No. 7, section 1-17-14 at 3,033 feet, 36 barrels, pumping.

Upland district (Union county)—Pitcher & White, Kinard No. 1, section 17-19-15 at 3,054 feet, salt water, abandoned.

Oil Production Drops.

Daily average oil production in Louisiana and Arkansas dropped 631 barrels to a level of 134,684 for the week as compared to the average for the week ending January 25. Louisiana's recession was 225 barrels, the average for the last week being 45,228 barrels.

Despite the fact that heavy Smackover which furnishes the bulk of the yield in Arkansas rose 100 barrels to 69,200 barrels for the week, Arkansas as a whole dropped 396 barrels to 89,356 barrels. Light Smackover which fell 315 barrels to 8,502 contributed most of the drop.

Figures for the districts for the last two weeks follow:

Louisiana.		Feb. 1	Jan. 25
Caddo, light	11,435	11,630	
Caddo, heavy	3,875	3,865	
Red River-DeSoto-Sabine	5,380	5,450	
Homer	4,327	4,380	
Haynesville	6,335	6,255	
Cotton Valley	4,550	4,810	
Bellevue	1,140	853	
Urania	7,496	7,540	
Little Creek	690	660	
Total Louisiana	45,228	45,463	

El Dorado	5,575	5,590
Smackover, light	8,502	8,817
Smackover, heavy	69,200	69,100
Lisbon	2,240	2,300
Stephens	1,219	1,235
Nevada county	2,620	2,710
Total Arkansas	89,356	89,752

Total both states .. 134,584 135,215
Decline 631 barrels.

Issuance of a permit to drill an offset to Gulf Refining Company's McElroy No. 3 was the outstanding feature of the list of permits issued for the week by the minerals division of the state Conservation Commission.

The new well authorized and which already has been started in Gulf Refining Company's United Lands Co. No. 5 in the same section. The new Ascension test was one of the six drilling permits issued during the last week for the state of Louisiana as compared to 11 new wells authorized for the week ending January 25.

Another feature of the permits list was the large number of permits to abandon, 23 abandonments being authorized for seven days as compared to seven to abandon the week before. The last week also recorded one permit to deepen and one to work over as compared to one to plug and perforate and one work-over the preceding week.

The bulk of the abandonments was in the old Haynesville area of Claiborne parish, where 12 old wells were abandoned. Some of them were among the earliest producers in the field which was opened in 1921. Caddo parish had five wells abandoned during the week.

Besides Ascension parish, Bossier, Cameron, Ouachita, Richland and Webster each accounted for one drilling permit each.

Permits for the week were as follows: Ascension parish—To drill—Gulf Re-

fining Co., United Lands Co., No. 5, section 15-10-4E.

Acadia parish—To abandon—Texas Company, Rayne Heirs No. 2, section 40-9-2W.

Bossier parish—To drill—Natural Gas Production Co., A. H. Floyd No. 1, section 25-23-12.

To deepen—Palmer Corporation of La., W. A. Caplis No. 10, section 25-16-12.

To abandon—Arkansas Natural Gas Co., G. C. Barnett et al. No. 1, section 17-23-12.

Caddo Parish.

To abandon—Arkansas Natural Gas Co., A. L. Alexander No. 1, section 20-16-15; Crystal Oil Refining Corp., Star Nos. 32, 33 and 50, section 27-20-16; Magnolia Petroleum Co., John Furrh No. 1, section 32-18-16.

Calcasieu parish—To work over—Green Oil Co., Moore No. 9, section 28-9-11W.

To abandon—Union Sulphur Co., Union Sulphur No. 719 and No. 720, section 29-9-10.

Cameron parish—To drill—Calcasieu Oil Co., Inc., Magnolia Petroleum Co. and Union Sulphur Co., Watkins No. 2, section 24-12-10.

Claiborne parish—To abandon—Gilliland Oil Co., Goodwin No. 1, section 15-23-8; Louisiana Oil Refining Corporation, DeLoach B-4, section 22-23-8; Magnolia Petroleum Co., C. C. Lee No. 1, section 16-22-8; Roxana Petroleum Corporation, Baum Nos. 2, 3, 4, section 20-23; Hunt No. 1 and S. T. Hunt No. 3, section 17-23-8; J. P. Lowe Nos. 1, 2 and 4, section 16-23-8.

Natchitoches parish—To abandon—Eugene Kelly, E. Kelly No. 1, section 29-11-10.

Ouachita parish—To drill—Ouachita Natural Gas Co., Smith No. 8, section 37-20-4E.

Red River parish and No. 3—To abandon—Crystal Oil Refining Co., Pugh No. 1, section 13-12-11.

Richland parish—To drill—Oliver & Masters, Margye Hatch No. 1, section 2-15-5E.

St. Martin parish—To abandon—Rycade Oil Co., Rycade Atchafalaya Fee No. 1, section 18-9-9.

Webster parish—To drill—Magnolia Petroleum Co., Voila Mitchell No. 1, section 31-23-9E.

To abandon—Crusader Oil Co., Hope B-2 and B-8, section 24-21-10; Humble O. & R. Co., John Rabb No. 2, section 14-21-10.

Special to the Gazette.

Shreveport, La., Feb. 11.—A week of wild and flaming gasers might summarize the oil and gas activity in Louisiana and Arkansas during the last week. The week also was characterized by a slice of 10 cents in the price of Smackover and Cotton Valley oils, which will not add anything in the way of an incentive for development of old fields or exploration for new ones.

Natural Gas and Fuel Corporation's Thomason A-1, in section 21-16-6E, Richland parish, officially completed last week as a 60,000,000-foot gasser, broke loose and early this week ignited and has been a flaming mass of burning gas since that time, imperiling near-by property and forcing a school at Alto, La., to close.

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In the same field, Moody & Seagraves Hemlar C-1, also a gasser, broke loose and is running wild, the derrick being cut to pieces by sand from the well Wednesday night.

While these gas wells were out of control J. P. Beck and associates No. 4 Southdown in Terrebonne parish, which also ran wild, was brought under control by agents of the Conservation Commission, minerals division.

An interesting feature of the last week was the completion as a 3,000,000-foot gasser of State No. 1, in section 16-16-10, Bienville parish, by the Lake Bisteneau Gas Company. Several small gasers have been completed in this wildcat area leading to considerable exploration there in hopes of uncovering a large gas area. So far all gasers completed have had some salt water along with the gas, which has been in small quantities.

Two Producers in Pine Island.

Trinity sand development in both Pine Island, Caddo parish, and the Cotton Calley (La.) area, added two producers in Pine Island and two gasers in Cotton Valley during the week. The Pine Island producers were two of the five producers added in the two states during the week. The combined initial production of the quintet was 295 barrels as compared to five wells with a combined yield of 1,191 barrels the week before. The last week also added 12 gasers and one failure as compared to one gasser and five failures the week before.

East Texas.

Panola county—Texas Company, Adams B-7, Isom Hatcher headright survey at 1,003 feet, four million feet of gas (estimated).

Arkansas.

Union county (Rainbow City)—Magna Production Co. et al., Dumas No. 1, section 11-17-14, at 3,068 feet, 25 million feet of gas, 20 barrels oil.

Smackover—W. R. Keever, Ezzell No. 5, section 12-17-15 at 2,170 feet, 20 barrels.

Lafayette county—Kensaw Pet. Co. Kensaw No. 1 section 31-19-24, dry abandoned.

Daily average oil production in Louisiana and Arkansas remained at practically the same level although the average fell 182 barrels to 134,402 barrels for the week as compared to the week ending February 1. Arkansas yield rose 76 barrels to 89,432 barrels while Louisiana fell 258 barrels to 44,970 barrels. Smackover heavy rose 225 barrels to 69,425 barrels.

Figures by districts for the last two weeks follow:

Louisiana.	
Feb. 8.	Feb. 1.
Caddo, light	11,725 11,435
Caddo, heavy	3,820 3,875
Red River-DeSoto-	
Sabine	5,312 5,380
Haynesville	6,318 6,335
Homer	4,320 4,327
Cotton Valley	4,575 4,550
Belleuve	775 1,140
Urania	7,500 7,496
Little Creek	625 690
Total Louisiana	44,970 45,228

Arkansas.	
Feb. 8.	Feb. 1.
El Dorado	5,505 5,575
Smackover, light	8,532 8,502
Smackover, heavy	69,425 69,200
Lisbon	2,260 2,240
Stephens	1,205 1,219
Nevada county	2,605 2,620
Total Arkansas	89,432 89,356

WEEKLY REVIEW OF THE OIL INDUSTRY

Special to the Gazette. *2-15-28*

Cut in Crude Prices Reflected by Slump in Developments.

Special to the Gazette.

Shreveport, La., Feb. 18.—Effects of the recent cut in the price of crude oil in Smackover and Cotton Valley were reflected in the activity in Louisiana and Arkansas during the last week when only one oil well, a small producer in DeSoto parish, was completed in the area.

For the first time since Smackover was discovered in the summer of 1922 Arkansas did not enter the completions list either with a producer, gasser or failure.

Besides the lone producer, J. H. Askew's Richardson No. 3 in section 25-13-11, DeSoto parish, good for 35 barrels, there were nine gasers and three failures recorded, five of the gasers being in the east Texas counties of Harrison and Panola.

The outstanding feature of the week was the behavior of Gulf Refining Company's McElroy No. 3 (State Lands Co. No. 4) in section 15-10-4E of Ascension parish completed several weeks ago as a gasser, later developing into a 10,000 barrel gusher. After flowing a short time after completion it was closed. Thursday when opened it again started its huge flow of oil. It is in strictly wildcat territory, over 100 miles from production.

Another important development was the quenching of the fire in Natural Gas and Fuel Corporation's Thomason A-1 in section 21-16-6E of Richland parish which snuffed itself out after making a big head of mud. It is still running wild and two relief wells offsetting it are being rushed. In the same section Moody & Seagraves during the week brought under control their Hemlar C-1 which had run wild

after blowing in. It has been gauged as a 56,500,000 cubic foot well.

The one producer, nine gasers and two failures are below the level of new production the week before when five producers added 300 barrels of new yield and 11 gasers with no failures were recorded.

Completions for the week were as follows:

Louisiana.

Caddo parish (Pine Island)—Arkansas Natural Gas Co., C. W. Lane No. 1, section 13-21-15 at 4,101 feet, junked abandoned; Ohio Oil Co., E. K. Smith No. 25, section 12-21-15 at 4,309 feet, salt water, abandoned.

Bossier parish (Bellevue)—Louisiana Oil Refining Corporation, Bodcaw Fee No. 32, section 15-19-11 at 425 feet, salt water, abandoned.

DeSoto parish (Naborton)—J. H. Askew, Richardson No. 3, section 25-13-11 at 2,551 feet, 35 barrels.

Ouachita parish (Monroe)—J. M. Huber, Edwards No. 4, section 1-18-4E at 2,211 feet, 6,000,000 cubic feet of gas; Southern Carbon Co., Phillips No. 3, section 8-19-4E at 2,170 feet, 10,000,000 feet gas.

Richland parish (Lucknow)—Moody & Seagraves, Hemlar C-1, section 21-16-6E at 2,503 feet, 56,500,000 cubic feet gas; Lafleur No. 1, section 18-16-6E at 2,465 feet, 55,000,000 feet of gas.

Texas.

Harrison county (Waskom)—D. M. Lide et al., Abercrombie No. 1, Bedford headright survey at 1,898 feet, five million feet of gas; State Line Oil and Gas Company, Z. Abney No. 4, Anderson headright survey at 956 feet, four million feet gas.

Panola county—S. H. Gardner et al., Roquemore No. 5, B. C. Jordan headright survey at 2,285 feet, four million feet gas; Magnolia Petroleum Co., Sol Oden No. 2, B. C. Jordan headright survey at 2,348 feet, two million feet of gas; Natural Gas and Products Co., T. C. Adams No. 1, Evans Bracken headright survey at 955 feet, five million cubic feet of gas.

A drop of 936 barrels in the daily average oil production in north Louisiana and south Arkansas was recorded for the week, the average yield in the two states being 133,566 barrels for the week.

Arkansas dropped 921 barrels to 88,511 barrels while Louisiana's drop was only 15 barrels to 44,955 barrels, Arkansas' decline for the most part was caused by a recession of 985 barrels in the yield of Smackover heavy, which fell to 68,440 barrels.

Figures for the past two weeks follow by districts:

Louisiana.	
Feb. 15.	Feb. 8.
Caddo, light	11,465 11,725
Caddo, heavy	3,850 3,820
Red River-DeSoto-	
Sabine	5,410 5,312
Homer	4,440 4,320
Haynesville	6,403 6,310
Cotton Valley	4,400 4,575
Belleuve	905 775
Urania	7,492 7,500
Little Creek	590 625
Total Louisiana	44,955 44,970

Arkansas.	
Feb. 15.	Feb. 8.
El Dorado	5,605 5,505
Smackover, light	8,620 8,532
Smackover, heavy	68,440 69,425
Lisbon	2,219 2,260
Stephens	1,205 1,205
Nevada county	2,422 2,505
Total Arkansas	88,511 89,432

Eleven new drilling operations were authorized in Louisiana during the week by the Minerals Division of the State Conservation Commission as

WEEKLY REVIEW OF THE OIL INDUSTRY

Special to the Gazette. *2-26-28*

Revision of Crude Prices Features Developments in Two States.

Special to the Gazette.

Shreveport, La., Feb. 25.—Increase in the price of north Louisiana and south Arkansas light oils in the revision of prices announced this week by all purchasing companies is expected to give some impetus to activity in the two states, although the cut in heavy oils that accompanied the hike of light oils somewhat offset the good news of the increase. The new schedule is, of course, too recent to be reflected in the last week's activity.

Nothing out of the ordinary is reflected in the official completions list for the territory during the last seven days, all of the new wells except two small pumpers in Caddo parish, La., being gasers. There were nine gas wells recorded during the week and four failures, as compared to one producer, nine gasers and three failures the week before. The last week's two producers aggregated 60 barrels in initial yield, as compared to 40 barrels from the lone oiler the week before.

Interest in Arkansas was the week drew to a close was largely centered in the showing of Magna Production Company's Rowland No. 1 in section 14-17-14, which was making small heads of oil behind the baller as the test was being balled at a depth of 2,999 feet. This well is in the new Rainbow City field and if a producer will extend the area over a mile southwest.

The Cartersville gas area in Bossier parish made another effort at break-

ing into the oil field column near Palmer Corporation's Robertson No. 1 in section 26-23-12, flowed oil at the rate of 2,000 barrels daily for 12 hours and then bridged. The latest reports from the well are that it has begun to show salt water.

Just enough oil has been found in some of the Cartersville gas wells to spur hope for an oil field in that area. But the oil usually disappears after the wells have been open for a while and salt water appears with the gas in many instances.

The new Ascension parish wildcat producer, Gulf Refining Company's State Land Company No. 4, in section 15-10-4E, remained choked in as an offset in the same section was being rushed toward the testing stage.

Completions for the week were as follows:

Louisiana.

Webster Parish (Spring Hill)—Magnolia Petroleum Company, Munn No. 1, section 29-23-9, at 2,709 feet, 10,000,000 cubic feet dry gas (estimated).

Bossier Parish (Cartersville)—Bahan & Davis, Holmes No. 1, section 36-23-12, at 3,078 feet, 40,000,000 cubic feet dry gas (estimated); Texas Company, Peyton No. 1, section 30-23-11, at 3,067 feet, 40,000,000 cubic feet dry gas (estimated).

Caddo Parish (Pine Island)—Standard Oil Company, J. J. Hart No. 18, section 34-21-16, at 1,836 feet, 50 barrels pumping; Superior Oil Company, Youre No. 8, section 26-20-15, at 2,318 feet, 10 barrels, pumping.

DeSoto Parish (Pelican)—Foster et al., Johnson No. 1, section 7-10-12, at 3,210 feet, dry, abandoned.

Ouachita Parish (Monroe)—Ouachita Natural Gas Company, Smith No. 8, section 37-20-4E, at 2,100 feet, 20,000,000 cubic feet of gas; Moody & Seagraves, United States Government No. 1, section 1-19-3E, at 2,177 feet, 5,000,000 cubic feet gas.

Richland Parish (Lucknow)—Ruston Drilling Company, Sartor No. 1, section 17-16-6E, at 2,445 feet, 56,000,000 cubic feet gas.

LaSalle Parish (Little Creek)—Wingfield et al. Gibson No. 2, section 2-9-1E, at 3,073 feet, salt water, abandoned.

East Texas.

Harrison County (Waskom)—Magnolia Petroleum Company, Vincent No. 1, R. W. Bedford headright survey, at 1,911 feet, 3,000,000 cubic feet gas.

Panola County—Magnolia Petroleum Company, Ella Baker, No. 3, B. C. Jordan headright survey, at 983 feet, 3,000,000 feet of gas.

Arkansas.

Union County (Rainbow City)—E. M. Jones, Crain No. 3, section 2-17-14, at 4,014 feet, salt water, abandoned.

Union County (Smackover)—Lion O. & R. Co., Leverette No. 1, section 11-16-16, at 2,770 feet, salt water, abandoned.

Daily average oil production in north Louisiana and south Arkansas dropped 893 barrels to a level of 132,573 barrels for the week. Louisiana dropped 336 barrels to 44,619 barrels, while the decline in Arkansas was 557 barrels, bringing the average in that state to 37,934 barrels.

Smackover heavy, the largest area in the two states dropped 195 barrels to a level of 68,345 barrels.

Figures for the two weeks by districts follows:

Louisiana.	
Feb. 22.	Feb. 15.
Caddo, light	11,115 11,465
Caddo, heavy	3,785 3,850
Red River-DeSoto-	
Sabine	5,405 5,410
Homer	4,429 4,440
Haynesville	6,475 6,403
Cotton Valley	4,520 4,400
Belleuve	975 492
Urania	7,475 7,492
Little Creek	500 590
Total, Louisiana	44,619 44,955

Arkansas.	
Feb. 22.	Feb. 15.
El Dorado	5,632 5,605
Smackover, light	8,625 8,620
Smackover, heavy	68,345 68,440
Lisbon	2,224 2,219
Stephens	1,178 1,205
Nevada county	1,950 2,422
Total, Arkansas	87,954 88,511

WEEKLY REVIEW OF THE OIL INDUSTRY

Special to the Gazette. *3/4/28*

Rainbow City and Waskom Fields Feature Developments.

Special to the Gazette.

Shreveport, La., March 3.—Extension of the new Rainbow City field in Union county, Arkansas, half a mile or more south by the successful completion of Magna Production Company Rowland No. 1 in section 14-17-14 at 2,999 feet as a producer and completion of another deep gas well in the Waskom gas field along the Texas-Louisiana border were the outstanding developments of the week in the oil and gas territory of north Louisiana, south Arkansas and east Texas.

and may cause a revival of drilling in that field. The Waterman company already has started rigging up for an offset on the same lease to be known as Hickman No. 6.

There was little else of interest in the territory aside from the two completions. Initial production continued at a low ebb, three producers including the Magna well in Rainbow City adding a total of 322 barrels new production during the week, as compared to two small producers with a combined initial of 60 barrels the week before. The week also accounted for seven gasers and seven failures as compared to nine gasers and four failures the preceding seven-day period.

Completions for the week were as follows:

Louisiana.

Caddo parish (Pine Island)—Simplex Oil Corp., Balrd No. 2, section 22-20-15, at 2,225 feet, 142 barrels.

(Blanchard)—Magnolia Pet. Co., J. W. Furrh No. section 28-18-16, at 2,753 feet, salt water, abandoned.

Blenville parish—Edwin J. Forrest et al., Peritt No. 1, section 11-17-6, at 3,048 feet, salt water, abandoned.

Morehouse parish (Monroe)—Moody & Seagraves, Wolff & McInnis No. 1, section 13-20-4E, at 2,175 feet, 16,000,000 foot gas; Natural Gas & Production Co., Waldrop No. 1 section 7-21-3E, at 2,282 feet, four million foot dry gas; John Potts, Bernstein No. 1, section 30-20-4E, at 2,155 feet, 11,000,000 foot gasser.

Ouachita parish (Monroe)—Jordan Drilling Co., McGee No. 2, section 10-18-4E, at 2,218 feet, 5,000,000-foot gasser.

West Carroll parish (Lefay)—Palmer Corp., White No. 1, section 2-19-10, at 2,846 feet, dry abandoned.

Richland parish (Lucknow)—Natural Gas & Fuel Corp., Thomson C-2, section 21-16-6E, at 290 feet, junked and abandoned, cratered; Palmer Corporation, Wayne Land and Timber Co., No. 2, section 23-16-5 E, at 2,525 feet, dry abandoned; United Carbon Co., Mulhern No. 1, section 20-16-6E, at 2,440 feet, 58,000,000 cubic feet of gas.

Caldwell parish (Mason)—Grayson Oil Company, Crockett No. 1, section 6-12-4E, at 2,675 feet, dry abandoned.

LaSalle parish (Little Creek)—Wingfield et al. Gibson No. 3, section 2-9-1E at 1,496 feet, salt water abandoned.

East Texas.

Harrison county (Waskom)—Mississippi Waskom Gas Company, Bush No. 2 Bedford headright survey, at

WEEKLY REVIEW OF THE OIL INDUSTRY

Six Producers Increase Initial Production 365 Barrels in Two States.

Special to the Gazette. 3/11/28

Shreveport, La., March 10.—The first week of spring saw a slight improvement in oil production in north Louisiana and south Arkansas, although only six producers with a combined initial yield of 365 barrels were recorded in the two states' area.

Aside from this small improvement, completion of the semi-annual regauge of the Monroe gas field and the testing dry and abandonment of the deepest test geologically ever drilled in the area, the week was devoid of features.

The semi-annual regauge of the Monroe gas area which takes in parts of three parishes and comprises the largest gas field in America, showed that the 514 gas wells in that district, 426 of which are actual producers, have an open flow daily capacity of 3,470,698,000 cubic feet of gas. Of course, the "pull" from these wells is only a small percentage of this capacity.

Humble Oil and Refining Company tested dry and abandoned their Bliss & Weatherbee No. 30 in section 15-19-11, in the heart of the shallow Bellevue field of Bossier parish. The test was drilled to a depth of 5,302 feet, and due to the fact that formations run higher in that area, the well geologically set a new deep record for the two states, although other wells with the formations lying deeper have gone below 6,000 feet.

The new Rainbow City field in Union county, Arkansas, which has been the center of interest, did not enter the completions list, but several interesting wells are being drilled there.

Sabine parish (Pleasant Hill) which has lain comparatively dormant for some weeks, broke into the completions column with two new wells, both flowing, and having a combined daily output of 160 barrels. The other four wells were in Arkansas and included a 25-barrel pumper in Nevada county; two in Smackover of 55 and 50 barrels' capacity, and one in Hillsboro, Union county, good for 75 barrels daily.

The last week also accounted for 10 gassers and three failures as compared to three producers with a combined initial of 330 barrels the week before, and seven gassers and six failures.

Completions for the week were as follows:

Louisiana.
Webster parish (Cotton Valley)—Magnolia Pet. Co., J. L. Munn No. 1, section 36-23-10, at 2,704 feet, four million feet gas (estimated).

Bossier parish (Cartersville)—Northwest Louisiana Gas Co., Bolinger No. 3, section 38-23-11, at 3,066 feet, forty million feet gas; Sales & Walker, Kilgore No. 1, section 31-23-11, at 3,063 feet, thirty-two million feet of gas; Texas Company, Wilkerson No. 2, section 36-23-12, at 3,093 feet, three million feet gas.

Caddo parish (Pine Island)—Texas Company, D. H. Raines No. 19, section 15-21-15, at 4,457 feet, junked, abandoned.

Bossier parish (Bellevue) Humble O. & R. Co., Bliss & Weatherbee No. 30, section 15-19-11, at 5,302 feet, dry and abandoned.

Sabine parish (Pleasant Hill) Clarke & Sepl, Moore No. 1, section 32-10-12, at 3,290 feet, 50 barrels (flowing); Ruffin et al., McLeroy No. 1, section 33-10-12, at 3,255 feet, 110 barrels (flowing).

Ouachita parish (Monroe)—Peerless Carbon Co., Moore No. 3, section 49-20-4E, at 2,175 feet, eight million feet dry gas; Palmer Corporation, Central No. 2, section 1-19-4E, at 2,127 feet, six million feet gas.

Richland parish (Lucknow)—Ouachita Natural Gas Co., Cummings No. 1, section 24-17-5E, at 2,425 feet, 32 million feet gas; Southern Carbon Company, Sartor No. 2, section 20-16-6E, at 2,440 feet, 54 million feet gas.

East Texas.
Panola County—Natural Gas & Production Co., T. C. Adams No. 2, Evans headright survey, at 966 feet, two million feet gas; Texas Company, Adams B-8, Isom Hatcher headright survey, at 1,011 feet, salt water, abandoned; D. Thomason, Crenshaw No. 3, John Womack headright survey at 2,300 feet, three million feet gas.

Arkansas.
Nevada county—O'Brien et al., William Haynie 3-B-5, section 1-14-21, at 1,170 feet, 25 barrels, pumping.

Smackover—Union and Ouachita counties—Little Fay Oil Co., Robertson No. 4, section 25-15-16, at 2,051 feet, 55 barrels; W. R. Keever, Kavanaugh B-1, section 12-17-15, at 2,143 feet, 50 barrels.

Union county (Hillsboro)—Morefield et al., Hill No. 1, section 7-18-14, at 2,229 feet, 75 barrels.

Daily average oil production in north Louisiana and south Arkansas dropped 2,278 barrels for the week. The average for the week was 129,572 barrels.

Louisiana fell 833 barrels to 44,212 barrels, while Arkansas dropped to 85,360 barrels by reason of a decline during the week of 1,645 barrels. The heavy district of Smackover was off 1,910 barrels, dropping to a level of 65,740 barrels.

Figures by districts for the last two weeks follow:

Louisiana.	March 7	Feb. 29
Caddo, light	11,402	11,510
Caddo, heavy	3,535	3,920
Red River-DeSoto-Sabine	5,305	5,320
Homer	4,340	4,300
Haynesville	6,380	6,435
Cotton Valley	4,530	4,505
Bellevue	810	905
Urania	7,450	7,450
Little Creek	465	500

Arkansas.	March 7	Feb. 29
El Dorado	5,590	5,595
Smackover, light	8,505	8,385
Smackover, heavy	65,740	67,650
Lisbon	2,310	2,235
Stephens	1,365	1,240
Nevada county	1,850	1,900

A total of 105 new wells were authorized in Louisiana during the first two months of 1928, according to a summary of permits issued by the Minerals Division of the State Conservation Commission. A total of 52 new wells were authorized in February, as compared to 53 in January.

During January and February seven permits were issued to deep, 119 to abandon, one to plug and perforate, six to abandon temporarily; six to sidetrack and one to shoot casing. The aggregate of all permits issued for the two months is 245. There were 71 abandonments during February.

Richland, with nine new wells started in February, led other parishes for the month. Webster, with seven, and

Ouachita, with a similar number, were next.

A total of 18 new wells were authorized during the week as compared to 22 authorized during the week ending February 29. There were 10 abandonments and two permits to deepen during the last week as compared to 10 to abandon, three to abandon temporarily, one to sidetrack and one to plug and shoot casing the week before.

Drilling permits during the last week were fairly well scattered. Bossier parish had three new wells authorized, Bienville had one; Caddo, one; Catahoula, one; Calcasieu, one; Iberville, one; Lafourche, one; Ouachita, one; Rapides, one; Richland, two; Union, three and Webster, two.

WEEKLY REVIEW OF THE OIL INDUSTRY

Special to the Gazette. 3/18/28

Completion of Second Well in Pleasant Hill Field Is Feature.

Shreveport, La., March 17.—Completion of a second well, this time a gasser in the five mile northwestern extension of the Pleasant Hill field in Sabine and DeSoto parishes was the only event of importance in the oil and gas territory of North Louisiana and south Arkansas during the last week. The new Pleasant Hill well is Benson Oil Company's Wolf No. 2 in section 3-10-13, DeSoto parish, a 12 million-foot gasser.

The Rycaud Oil corporation's uncovering of a new field in St. Martin parish in its Fee No. 2, 50 miles from the nearest production, while out side this territory created a considerable stir. This is the second rank wildcat gusher completed in southeast Louisiana in recent weeks, the Gulf Refining Company having uncovered production in Ascension parish in its United Lands Company No. 4 in section 15-10-4E. The Rycaud well is estimated to be good for at least 2,500 barrels daily.

The week aside from these two features was comparatively quiet, a total of 11 gassers, one producer and one failure being accounted for during the seven-day period just closed as compared to six producers, 10 gassers and three failures the week before. The lone producer the last week was 20-barrel well in the Upland district of Union county, Ark., completed by C. H. Allison in his Fitzgerald No. 9 in section 17-18-15 at 2,175 feet. The sextet of wells the preceding week had added 375 barrels.

In Arkansas the securing of a loan of \$600,000 by the Mazda Production company on its Arkansas holdings from the Bankers Trust Company of Little Rock was considered significant as the Magda is one of the largest operators in the new Rainbow City field and it was thought likely an extensive expansion campaign may be in prospect. The sum of \$100,000 was secured on the Magda's pipeline system while the remainder was on the rest of its Arkansas holdings.

Another important development of the week in Arkansas the sale by J. W. Robbins, trustee, to the Marine Oil Company of a 30-acre lease in the Smackover field for \$100,000 in cash. The lease known as the Wood-Snyder holdings contains wells producing 500 barrels daily.

Completions for the week were as follows:

Louisiana.
Webster parish (Spring Hill)—C. H. Lyons, Sexton No. 1, section 36-23-10 at 2,642 feet, 10 million feet gas; Magnolia Petroleum Company, R. J. Munn No. 1, section 29-23-9 at 2,670 feet, 13 million feet of gas.

Bossier parish (Cartersville)—Woodley & Collins, Bain No. 1, section 31-23-11 at 3,070 feet, 41 million feet gas; Bolinger No. 1, section 36-23-12 at 3,071 feet, 27 million feet gas.

Figures by districts for the last two weeks follow:

Louisiana.	March 14	March 7
Caddo, light	11,270	11,402
Caddo, heavy	3,750	3,535
Red River-		
DeSoto-Sabine	5,205	5,305
Homer	4,385	4,340
Haynesville	6,390	6,380
Cotton Valley	4,465	4,530
Bellevue	930	810
Urania	7,460	7,450
Little Creek	465	465
Total Louisiana	44,320	44,212

Arkansas.
El Dorado

Smackover, light

Smackover, heavy

Lisbon

Stephens

Nevada county

Total Arkansas

A total of 15 new wells were authorized in the state of Louisiana during the week, according to the list of permits issued here by the minerals division of the State Conservation Commission. Eighteen new wells were authorized for the week ending March 7.

The last week also accounted for six permits to abandon and one to abandon temporarily as compared to 10 abandonments and two to deepen the week before.

The feature of the week is the issuance of a permit to the Gulf Refining Company of Louisiana to drill United Lands Co. No. 6 in section 15-10-4E, Ascension parish, in the same section where the same company completed a gusher in its No. 4 United Lands Co. several weeks ago. The well opened an entirely new field, being in rank wildcat territory.

Bossier parish led in the list of drilling permits with a total of three. Others of the 15 were distributed as follows: Acadia, two; Ascension, one; Caddo, two; Grant, one; Ouachita, two; Sabine, one; Union, two, and Webster, one.

WEEKLY REVIEW OF THE OIL INDUSTRY

Special to the Gazette. 3/25/28

Extension of Richland Parish Field Features Louisiana Development.

Shreveport, La., March 24.—Extension approximately one mile southwest of the Richland parish gas field by the completion of Noe and Meredith's Boughton No. 1 in section 4-15-6E as a 38,000,000-foot gasser at a depth of 2,446 feet, was the outstanding feature of the last week in the oil and gas territory of north Louisiana and south Arkansas.

Another development of the week was the possible uncovering of a new sand in the Rainbow City field of Union county, Arkansas, where Simral and associates encountered about 6,000,000 feet of gas in their Finley No. 1 in section 12-17-14 at a depth around 3,165 feet more than 100 feet below the former producing horizon in that area. The plug in the well was drilled this week and it will be bailed within a short time.

No Arkansas Completions.

For the second time within recent weeks, Arkansas failed to reach the completions column, six gassers and two failures being the report for the week. Three of the gassers and one failure were furnished by the Panola county gas field in Texas, which is located along the Louisiana line. The Waskom field (Texas side) accounted for another gasser. The previous week had accounted for one producer, 11 gassers and one failure.

Attempts to open up a producing field near Shreveport in Caddo parish proved unsuccessful as the Mattie Meyer No. 2 of C. E. Simmons in section 21-17-13 proved a failure, testing salt water and being abandoned at a depth of 925 feet.

Completions for the week were as follows:

Louisiana.
Caddo parish (Reisor)—C. E. Simmons, Mattie Meyer No. 2, section 21-17-13 at 925 feet, salt water, abandoned.

Union parish (Spencer)—Industrial Gas Co., Hill No. 2, section 9-20-3E at 2,162 feet, 5,000,000 cubic feet (estimated).

Richland parish (Boughton)—Noe & Meredith, trustees, Boughton No. 1, section 4-15-6E at 2,446 feet, 38,000,000 cubic feet gas.

East Texas.

Waskom (Harrison county)—Nick Barbare, Hudspeth No. 1, R. W. Bedford headright survey, at 1,889 feet, 9,000,000 feet of gas.

Panola county—Magnolia Petroleum Co., Tillery No. 1, Jane Thorpe headright survey, at 2,369 feet, 2,000,000 feet gas; Natural Gas and Production Co., T. C. Adams No. 3, Evans Bracken headright survey, at 985 feet, 3,000,000 cubic feet gas; Texas Company, T. C. Adams B-9, Isom Hatcher headright survey at 1,069 feet, dry and abandoned; D. Thomason, Crenshaw No. 4, John Womack headright survey at 984 feet, 4,000,000 feet of gas.

Daily average oil production in north Louisiana and south Arkansas continued on the toboggan, dropping 1,505 barrels to an average of 127,945 during the week. The decline in Louisiana was 625 barrels, the average for the last week being 43,795 barrels. Arkansas fell away 980 barrels to a level of 84,150 barrels. A drop of 460 barrels in heavy Smackover which dropped to 65,160 barrels, contributed considerably to the Arkansas recession.

Figures for the two states for the last two weeks by districts follows:

Louisiana.	Mar. 21	Mar. 14
Caddo, light	10,610	11,270
Caddo, heavy	3,790	3,750
Red river, DeSoto, Sabine	5,210	5,205
Homer	4,450	4,385
Haynesville	6,405	6,390
Cotton Valley	4,470	4,465
Bellevue	845	930
Urania	7,550	7,460
Little Creek	465	465
Total Louisiana	43,795	44,320

Arkansas.
El Dorado

Smackover, light

Smackover, heavy

Lisbon

Stephens

Nevada county

Total Arkansas

Gas wells continued to be the order of the day during the last week, the Richland field leading all other parishes of the state with three new tests authorized there. The Cartersville gas area of Bossier parish also accounted for three drilling permits with one to deepen an old test.

The most interesting wildcat authorized during the week was Moody & Seagraves' Caldwell Land and Timber Co. No. 1 in section 27-13-5E in Caldwell parish, in rank wildcat territory. The test is south of the Monroe gas area and southwest of the gas field in Richland parish. Several interesting wildcats have been drilled in Caldwell parish in recent years.

Another attempt to discover a deep producing sand outside the deep horizons producing in Pine Island and Cotton Valley ended in failure, a permit to abandon the Dixie Oil Company's C. E. Jenkins No. 1 in section 9-12-11, DeSoto parish. This is the second exceedingly deep test drilled in DeSoto in recent months, the Gulf Refining Company's Willis Williams No. 3 in the same area proving a failure after going to the 6,000-foot level.

The new drilling permits besides the six in Bossier and Richland were divided as follows: Acadia, one; Caddo, two; Caldwell, one; Iberia, one; Ouachita, two; Union, one, and Webster, one.

Besides the 15 drilling permits, there were one to deepen, one to shoot formation, one to abandon temporarily, and six to abandon, as compared to six to abandon and one to abandon temporarily the week before.

WEEKLY REVIEW OF THE OIL INDUSTRY

Special to the Gazette. 4/8/28

Trinity Sand Well and Rainbow City Gusher Divide Interest in Two States.

Shreveport, La., April 7.—Ohio Oil Company's Crichton No. 2 in section 21-21-10, a gasoline producing gas well completed in the Trinity sand at 4,672 feet, and Pure Oil Company's Gregory No. 1 in section 10-17-14, Union county, Ark. (Rainbow City area) which came in at 3,163 feet as a 2,500-barrel gusher in a new sand in Arkansas, divided honors during the

Louisiana.	April 4	March 29.
Caddo, light	10,350	10,185
Caddo, heavy	3,820	3,870
Red River-DeSoto-Sabine	5,120	5,280
Homer	4,375	4,390
Haynesville	6,215	6,275
Cotton Valley	4,450	4,510
Bellevue	900	835
Urania	7,310	7,520
Little Creek	410	495
Total Louisiana	42,950	43,370

Arkansas.
El Dorado

Smackover, light

Smackover, heavy

Lisbon

Stephens

Nevada county

Total Arkansas

last week in the north Louisiana-south Arkansas oil territory.

The Crichton well, which is one mile southeast of the Bodcaw No. 38, Account No. 2, of the same company, in section 15-21-10, a Trinity sand gusher at 4,683 feet, is making 55,000,000 cubic feet of gas daily, with one and one-half gallons of gasoline per 1,000 cubic feet of gas. So large is the gasoline output that the Ohio's facilities for handling gasoline at Cotton Valley have been enlarged.

The Pure Oil Company well hit the pay over 100 feet below the level of former production in Rainbow City. Its flowing capacity is expected to stimulate activity in that field. The gravity of the crude is 35.1. Due to a lack of a 24-hour gauge it did not reach the official completions list.

The Ohio's Bodcaw No. 38 was officially added to the list this week and its production is better than at first thought. Its actual 24-hour yield is 3,275 barrels while it was estimated at 3,000 barrels daily when it was first completed. It is the first commercial oil well in the deep pay of Cotton Valley.

Three producers added 3,340 barrels initial yield during the last week as compared to 250 barrels new field from five producers the week before. The last week also accounted for seven gassers and five failures as compared to eight gassers and five failures the preceding week.

Completions for the week were as follows:

Louisiana.
Webster parish (Spring Hill)—C. H. Lyons, Porter-Wadley Lumber Co. No. 1, section 36-23-10, at 2,709 feet, 12,000,000 feet gas.

Caddo parish (Pine Island)—D. C. Richardson, Youree No. 6, section 13-20-15, at 2,514 feet, salt water abandoned; Texas Company, A. Herndon No. 9, section 14-21-15 at 3,907 feet, salt water, abandoned.

Webster parish (Cotton Valley)—Ohio Oil Co., Bodcaw Lbr. Co. No. 38, Account No. 2, section 15-21-10, at 4,683 feet, 3,275 barrels; Crichton No. 2, section 21-21-10 at 4,672 feet, 55,000,000 feet of gas and 2,000 gallons of gasoline.

DeSoto parish (Pleasant Hill)—Wingfield et al, Hapgood No. 1, section 18-10-12 at 2,400 feet, dry and abandoned.

Ouachita and Morehouse parishes (Monroe)—Palmer Corporation, Kate Cole No. 3, section 36-20-4E at 2,156 feet, 2,000,000 feet dry gas; Ruston Drilling No. Steel No. 1, section 36-20-3E at 2,171 feet, 6,000,000 feet gas; Ouachita Natural Gas Co., Smith No. 9, section 29-20-4E at 2,129 feet, 13,000,000 feet gas.

Richland parish (Lucknow)—Moody & Seagraves, Sarter C-1, section 17-16-6E at 2,150 feet, 54,000,000 feet gas.

Richland parish (Boughton)—Oliver et al. Hatch No. 2, section 2-15-5E at 2,404 feet, 42,000,000 feet gas.

Franklin parish (Duty)—Louisiana Petro. Co., Tensas-Delta No. 1, section 11-11-6E, at 2,503 feet, dry and abandoned.

Arkansas.
Ouachita county (Smackover)—Little Fay Oil Co., Robertson No. 5, section 25-15-16 at 2,066 feet, 40 barrels (pumping).

Union county (Smackover)—W. R. Keever, Kavanaugh B-2, section 12-17-15 at 2,137 feet, 25 barrels (pumping).

Union county (Rainbow City)—E. M. Jones, Stegall No. 1, section 22-17-14 at 3,250 feet, salt water, abandoned.

Output Shows Decline.
Although heavy Smackover recovered

during the week, rising in its daily yield 975 barrels to a level of 65,095 barrels, the daily average output of Louisiana and Arkansas showed a decline of 293 barrels, falling to 126,347 barrels. In fact, the entire decline was in Louisiana, where the average dropped 420 barrels to 42,950 barrels. Arkansas as a whole showed a gain of 127 barrels, rising to 83,397 barrels.

Figures for the two weeks by barrels follows:

Louisiana.	April 4	March 29.
Caddo, light	10,350	10,185
Caddo, heavy	3,820	3,870
Red River-DeSoto-Sabine	5,120	5,280
Homer	4,375	4,390
Haynesville	6,215	6,275
Cotton Valley	4,450	4,510
Bellevue	900	835
Urania	7,310	7,520
Little Creek	410	495
Total Louisiana	42,950	43,370

Arkansas.
El Dorado

Smackover, light

Smackover, heavy

Lisbon

Stephens

Nevada county

Total Arkansas

WEEKLY REVIEW OF THE OIL INDUSTRY

Gazette 4/15/28
Activities in Rainbow City Field Monopolizes Spotlight of Interest.

Special to the Gazette. Shreveport, La., April 14.—Arkansas' newest field, the Rainbow City area in Union county, practically monopolized the spotlight in the north Louisiana-south Arkansas oil and gas area during the last week by the completion of Magna Production Company's Dumas No. 1 in section 11-17-14 as a 3,000 to 5,000 barrel gusher. The well completed at 3,240 feet, is the deepest producer in the state of Arkansas and is 87 feet lower than the Pure Oil Company's Gregory No. 1 in section 1-17-14 of the same field, which encountered a new sand at 3,153 feet.

Whether the Dumas well picked a second deeper sand or merely a lower stratum of the 3,100 pay is a matter still under discussion. The well coming on the heels of the Gregory gusher, which is gauged as a 2,037-barrel flowing well, has definitely added the Rainbow City field as a gusher pool which may take rank with Smackover. The Dumas is not carried in the official list this week, in absence of a 24-hour gauge. Many new locations have been announced in this new area.

Rainbow City beat the deep field of Cotton Valley to the spotlight during the week, as the Webster parish (Louisiana) area is just at that stage between the completion of two good wells in the Trinity horizon and the starting of offsets. Approximately a dozen locations have been made, however, and three deep tests are ready to spud in. Several producers in the Nacatoch sand of the field will also be deepened to the 4,600-4,700 foot sand. Interest there now is centered in Magnolia Petroleum Company's Cole No. 1 in section 22-21-10, which is nearing the level of 4,600 feet and will be the next deep test in that district.

Another interesting development of the week was the completion of a shallow gas well good for 12,000,000 feet, by the Magnolia Petroleum Company in its J. W. Furrh No. 2 in section 28-18-16, Caddo parish, which was brought in at 888 feet.

Initial production showed a slight drop from the preceding week, four producers adding 2,137 barrels, as compared to 3,340 barrels from three others the week before. Thirteen gassers and three failures were also recorded as compared to seven gassers and five failures the week before.

The effect of the two gushers recently completed in Union county by the Pure Oil Company and in the Cotton Valley field made themselves felt in the daily average oil production, sending the daily yield for the two states upward 5,012 barrels to a level of 131,359 barrels.

Due to the increase in Cotton Valley, which rose 3,637 barrels to 8,087 barrels, Louisiana gained 3,727 barrels for a daily average of 46,677 barrels, while Arkansas' hike of 1,365 barrels raised the output in that state to 84,682 barrels. A gain of 1,695 barrels in El Dorado in which Rainbow City is included, sent the yield in that area to 7,110 barrels. This hike overcame a drop of 593 barrels in heavy Smackover, which fell to 64,502 barrels.

Figures for the two weeks follow:

Louisiana.		April 11	April 4
Caddo, light	10,410	10,350	
Caddo, heavy	3,700	3,820	
Red river, DeSoto,			
Sabine	5,160	5,120	
Homer	4,320	4,375	
Haynesville	6,230	6,215	
Cotton Valley	8,087	4,450	
Bellevue	910	900	
Urania	7,355	7,310	
Little Creek	505	410	
Arkansas.			
El Dorado	7,110	5,415	
Smackover, light	8,220	8,240	
Smackover, heavy	64,502	65,095	
Lisbon	2,135	2,150	
Stephens	1,135	1,112	
Nevada county	1,580	1,485	

Due to increased drilling for the Trinity pay in the Cotton Valley field of Webster parish the number of permits issued for new wells in Louisiana during the week showed a decided spurt from the level of the preceding seven days.

The Minerals Division of the state Conservation Commission reports 16 new wells authorized the last week as compared to seven the preceding period.

Four of the 16 new tests are for deep wells in Cotton Valley. The companies which will drill offsets to the Ohio Oil Company's Bodcaw No. 38, Account No. 8, completed in section 15-21-10 and now flowing 6,000 barrels daily from 4,683 feet, are: Humble O. & R. Co., Louisiana Oil Refining Corporation, Magnolia Petroleum Company and the Woodley Petroleum Company. About four other locations for deep tests there have been made but permits have not yet been issued.

Besides the four permits in Webster parish, other parishes securing drilling permits were: Bossier parish, two; Calcasieu parish, three; DeSoto parish, one; East Baton Rouge parish, one; Jefferson Davis parish, one; LaSalle parish, two; Morehouse parish, one, and St. Martin parish, one.

Probably the most interesting permit outside Webster was Gulf Refining Company's Chess & Wymond A-1 in section 7-18-16. This well is a mile and a half northwest of the same company's Chess & Wymond No. 1 in section 20 which is a mile and a half northwest of the Richland parish gas field and four miles southeast of the Morehouse parish gas area. These linking wells are expected to link definitely the two gas areas. The No. 1 is an 11,000,000-foot well.

Besides the 16 drilling permits the last week also recorded six permits to abandon as compared to 13 to abandon, one to abandon temporarily.

WEEKLY REVIEW OF THE OIL INDUSTRY

Gazette 4/22/28
Rainbow City and Cotton Valley Field Continue in Spotlight.

Special to the Gazette. Shreveport, La., April 21.—A wave of new locations in the Rainbow City field of Union county, Arkansas, and in the deep sand of the Cotton Valley field in Webster parish, La., the two oil areas just now holding the spotlight in the oil and gas territory of North Louisiana and south Arkansas comprised the main development for the week in the two states' area.

Magna Production Company's Dumas No. 1 in section 11-17-14, Union county, Ark., completed through the drill stem as a big oil gusher at 3,240 feet, provided a thrill during the last seven-day period by being completed after casing was set as a 2,500 barrel gusher making oil of 35.5 gravity. The well was making this output through a small choke and is the deepest producer in Arkansas.

In Cotton Valley interest centered in Magnolia Petroleum Company's Cole No. 1 in section 22-21-10, the first deep test made in that field, since the Ohio Oil Company completed a 6,000 barrel gusher there in the Trinity sand at 4,683 feet, and another well at 4,672 feet as a gasoline producer. The Cole was being abled at 4,725 feet this week. Prospects appeared promising for a successful test.

Only two small producers with a combined initial yield of 50 barrels reached the completions list for the week, the Magna well being still ungauged for a 24-hour period. The week before had accounted for four producers with a combined output of 2,137 barrels. The last week also recorded six gassers and three failures as compared to 13 gassers and three failures the week before. The two producers were evenly divided between Louisiana and Arkansas.

The Cartersville gas area in Bossier parish accounted for three of the gas wells. The Bellevue shallow field in the same parish recorded one small gasser. The two other gassers were East Texas wells.

Continued gains in the new fields sent the daily average oil production in the two states up again for the second consecutive week. The average for the week was 132,346 barrels, a gain of 987 barrels.

Louisiana rose 1,198 barrels to a level of 47,875 barrels. The El Dorado daily yield went up 225 barrels to 7,335 barrels but a drop of 466 barrels in Smackover, heavy, which fell to 64,036 barrels caused Arkansas yield to drop 211 barrels to 84,471 barrels. Figures by districts for the last two weeks follow:

Louisiana.		April 18	April 11
Caddo, light	10,390	10,410	
Caddo, heavy	3,590	3,700	
Red River, DeSoto,			
Sabine	5,195	5,160	
Homer	4,405	4,340	
Haynesville	6,355	6,230	
Cotton Valley	9,030	8,087	
Bellevue	960	910	
Urania	7,355	7,355	
Little Creek	505	505	
Total, Louisiana		47,875	46,677
Arkansas.			
El Dorado	7,355	7,110	
Smackover, light	8,150	8,220	
Smackover, heavy	64,036	64,502	
Lisbon	2,280	2,135	
Stephens	1,160	1,135	
Nevada county	1,510	1,580	
Total, Arkansas		84,471	84,682

Six new deep sand tests for the Cotton Valley field in Webster parish kept the drilling activity at a substantial height.

Fifteen new wells were authorized during the seven-day period by the minerals division of the state Conservation Commission as compared to 16 the preceding week. Four new deep wells had been authorized in Cotton Valley for the week ending April 11.

Besides the 15 drilling permits issued the last week, there were also two permits to perforate casing, one to shoot casing, one to deepen, one to abandon temporarily and four to abandon. The week before had accounted for six permits to abandon in addition to the new tests authorized.

Besides the six Trinity horizon wells in Cotton Valley (Webster parish) other parishes securing drilling permits were: Ascension, one; Caddo, one; Morehouse one (amended permit); Ouachita, three; Richland, two; and Winn, one. Ascension parish will be remembered as the area where the Gulf Refining Company, brought in its United Lands Co. No. 4 in section 15-10-4E, one hundred miles from production, as a 10,000-barrel gusher.

WEEKLY REVIEW OF THE OIL INDUSTRY

Gazette 4/29/28
Wind Damage Fails to Cause Slump in Oil Production in Two States.

Special to the Gazette. Shreveport, La., April 28.—Despite the heavy windstorm of a week ago, when more than 700 derricks in the North Louisiana and South Arkansas oil fields were leveled, most of them being in the Smackover area, oil and gas activities in the two states did not show an appreciable slump during the last week.

Official addition of the Magna Production Company's Dumas No. 1, in section 11-17-14, Union county, Arkansas (Rainbow City) as a 950-barrel gusher, making clear oil from a depth of 3,240 feet, was the feature of the week from the state of Arkansas. This well is the deepest commercial well in Arkansas.

Cotton Valley, in Webster parish, La., which also is the center of attention, did not fare so well during the week, the Magnolia Petroleum Company's Cole No. 1 being completed at 4,729 feet as a 5,000,000-foot gasser. This had been the first test after the Ohio Oil Company's Bodcaw No. 38 had been added as a 6,000-barrel gusher and a gasoline well had also been completed by the same company. At first it was intended to deepen the Cole well, but later it was decided to leave it as the small gasser. It is the deepest gasser in Louisiana, being 46 feet deeper than the Bodcaw gusher.

Two producers including the Magna well, during the week added 1,000 barrels of new yield, as compared to two producers with 50 barrels yield the preceding seven days. The week just closed also accounted for nine gassers and no failures as compared to six gassers and three failures the preceding week.

Although added to the completions list long ago, a check-up during the last week showed that the Ohio's Bod-

caw No. 38 in Cotton Valley has yielded over 97,000 barrels of high gravity crude.

Recessions in Cotton Valley, La., and in every Arkansas field except El Dorado (including Rainbow City), sent the daily average oil production in north Louisiana and south Arkansas down 3,139 barrels for the week, to a level of 129,207 barrels.

The drop in Cotton Valley was caused by the slackening up of the Ohio Oil Company's Bodcaw No. 38, in section 15-21-10, which has fallen from 6,100 barrels daily to 3,300 barrels. In Arkansas the drop is attributed to loss of production incident to the storm of the last week. The Cotton Valley area fell to 8,290 barrels, a drop of 740 barrels.

Louisiana's total drop was 1,076 barrels, while in Arkansas the recession was 2,063 barrels, sending the average to 82,408 barrels.

Figures for the two weeks by districts follows, in barrels:

Louisiana.		April 25	April 18
Caddo, light	10,060	10,390	
Caddo, heavy	3,725	3,590	
Red River-De Soto-			
Sabine	5,189	5,195	
Homer	4,350	4,405	
Haynesville	6,390	6,355	
Cotton Valley	8,290	9,030	
Bellevue	925	960	
Urania	7,350	7,355	
Little Creek	520	505	
Total Louisiana		46,799	47,875
Arkansas.			
El Dorado	7,500	7,355	
Smackover, light	7,670	8,105	
Smackover, heavy	62,518	64,036	
Lisbon	2,170	2,280	
Stephens	1,100	1,160	
Nevada county	1,450	1,510	
Total Arkansas		82,408	84,471

Drilling permits showed a small increase during the week as compared to the week before, 18 new wells being authorized during the last seven-day period as compared to 15 the preceding week, according to the figures compiled by the minerals division of the state conservation commission.

Calcasieu parish in southwest Louisiana and the deep Cotton Valley field in Webster parish, north Louisiana, led the state in number of new wells, Calcasieu accounted for five new tests and Cotton Valley four.

The last week also accounted for four permits to deepen, one to whipstock, one to abandon temporarily and 15 to abandon, as compared to two permits to perforate casing, one to shoot casing, one to deepen, one to abandon temporarily, and four to abandon.

Thirteen of the permits to abandon during the last week were secured by the Gulf Refining Company for tests on the Bliss and other leases in section 10-19-11, Bossier parish. All are in the shallow field of the Bellevue area, where production is obtained from 275 to 400 feet.

Besides Webster and Calcasieu, other drilling permits for the week were distributed among the following parishes: Acadia parish, three; Cameron parish, one; Grant parish, one; Ouachita parish, one; Richland parish, two; and Winn parish, one.

WEEKLY REVIEW OF THE OIL INDUSTRY

Gazette 5/6/28
Rainbow City Field Takes Limelight With Two New Completions.

Special to the Gazette. Shreveport, La., May 5.—Rainbow City in Union county, Ark., outshone Cotton Valley, its rival for the limelight in the oil and gas activities of the two states during the week by entering the completions list twice while the Louisiana field was conspicuous by its absence.

The feature well of the two states was Rushing and associates Gregory No. 1 in section 11-17-14 completed at 3,210 feet as a 4,000 barrel gusher. It is one of the best wells in the new Arkansas territory.

Louisiana only entered the completions column with one well, of 95 barrels, in the Pine Island field of Caddo parish. It was the Dixie Oil Company's Robertshaw No. 81 in section 4-21-15, completed at 2,702 feet. The Robertshaw is one of the richest oil leases in the two states.

Besides the four completions which totaled 4,211 barrels, the two states also accounted for 13 gassers and seven failures during the last week as compared to 1,000 barrels from two producers, nine gassers and no failures the preceding week.

All of the gassers during the last week were in Louisiana and the two border counties of Panola and Harrison in East Texas. Arkansas accounted for three producers and a failure as its week's crop.

Cotton Valley in Webster parish did not enter the completions list although several Trinity sand wells are approaching the testing stage. Rainbow City is forging ahead of its rival not only in number of new tests added but in its consistent rise in daily output. The Arkansas field is steadily rising in its output but the Louisiana field after spurring upward has begun to recede.

The effect of the recent storm that swept the south Arkansas oil field and touched slightly the North Louisiana area again is reflected in a decline in daily average oil production for the week. The total was 124,420 barrels for that week, a drop of 4,787 barrels.

In Arkansas El Dorado (including Rainbow City) continued to rise, going up 900 barrels to 8,400 barrels for the last week. Smackover, heavy, showed a big drop, falling 4,018 barrels to 58,500 barrels. Cotton Valley for the second consecutive week dropped again after leaping upward due to deep sand exploration.

Louisiana.		May 2	April 25
Caddo, light	9,755	10,060	
Caddo, heavy	3,790	3,725	
Red River-DeSoto-			
Sabine	5,200	5,189	
Homer	4,410	4,350	
Haynesville	6,350	6,390	
Cotton Valley	7,600	8,290	
Bellevue	1,030	925	
Urania	7,255	7,350	
Little Creek	515	520	
Total Louisiana		45,905	46,799
Arkansas.			
El Dorado	8,400	7,500	
Smackover, light	6,940	7,670	
Smackover, heavy	58,500	62,518	
Lisbon	2,140	2,170	
Stephens	1,135	1,100	
Nevada county	1,400	1,450	
Total Arkansas		78,515	82,402

A total of 238 new wells have been authorized in the state of Louisiana during the first four months of 1928, according to the figures of the Mineral Division of the State Conservation Commission. Fifty-eight new wells were authorized during April.

Permits of all kinds for the first four months of the year, including those to abandon, deepen, etc., total 478, the commission says. Besides the 238 drilling operations, totals for the period in other lines are: to deepen, 20; to abandon, 194; to plug and perforate, 3; to abandon temporarily, 11; to sidetrack, 8; to shoot casing, 3, and to whipstock, 1.

Besides the 58 new wells for April other permits for the month were: to deepen, 6; to abandon, 44; to perforate, 2; to shoot casings, 1; to whipstock, 1, and to temporarily abandon, 2. This makes a total of 114 operations for the month.

Webster parish, where the Cotton Valley field is located, led for the month with new wells authorized, with 15 tests started.

Drilling during the week ending May 2 continued at about the same level as for the week ending April 26, a total of 17 drilling permits being issued for the last week as compared to 18 the week before. The last week also recorded 14 permits to abandon, two to deepen and one to abandon temporarily as compared to four to deepen, one to whipstock, one to abandon temporarily and 15 to abandon.

A wildcat in Tensas, one in Plaquemines, one in Catahoula and one in Jefferson Davis parish were the features of the last week's list of drilling permits.

WEEKLY REVIEW OF THE OIL INDUSTRY

Gazette 5/13/28
Discovery of Wildcat Gas Field in East Carroll Parish Is Feature.

Special to the Gazette. Shreveport, La., May 11.—Discovery of a wildcat gas field in East Carroll parish, in the extreme northeastern portion of Louisiana, by the completion of a 51,000,000-foot gas well, was the outstanding development of the week in the oil and gas area of north Louisiana and south Arkansas.

The gasser was completed by the Palmer Corporation in its O'Brien No. 1 in section 7-19-11 at a depth of 2,354 feet, after the well had first been completed seven feet higher as a small gasser. The only basket to the well is the fact that it is also making around 1,000 barrels of salt water with gas.

The well is a rank wildcat, being approximately 50 miles from the nearest gas production in Morehouse and Richland parishes and is regarded as an exceedingly important development. However, no "boom" drilling campaign is expected, as the well is located on a 40,000-acre tract owned by the Palmer Corporation and the only companies owning nearby acreage are the Roxana and Texas companies. The exploration will probably be of the steady type.

Oil men express the opinion that the gasser is an edge well. An interesting item in connection with the discovery is the fact that geology contributed but little to the completion or location of the test. It was located by "mechanical" means including the torsion balance, seismograph and other late devices just coming into vogue.

Developments for the week in Arkansas were not so optimistic. Rainbow City recording a salt water well when Lion Oil and Refining Company tried to extend production into section 15-17-14, their Rowland No. 1 at 3,130 feet testing salt water. However, hope is surviving of saving the well, as some believe the water is leaking from above the sand due to a faulty casing seat.

The week added three producers with a combined yield of 90 barrels. The week before had accounted for 4,124 barrels from four producers. However, that week one was a 4,000-barrel gusher in Rainbow City, Rushing et al's Gregory No. 1. The last week also recorded five gassers and three failures as compared to nine gassers and six failures the week before.

Recovery from the recession caused by the storm of several weeks ago was recorded in the daily average oil production in north Louisiana and south Arkansas during the week, the average for the territory rising 1,750 barrels to a level of 126,170 barrels.

A rise of 610 barrels in El Dorado output which includes Rainbow City which rose to 9,010 barrels contributed to the rise in Arkansas. The average in this state for the last week was 80,925 barrels, a rise of 2,410 barrels. Heavy Smackover rose 1,380 barrels to a level of 58,880 barrels.

Figures for the last two weeks by districts follows:

Louisiana.		May 9	May 2
Caddo, light	9,705	9,755	
Caddo, heavy	3,715	3,790	
Red River-DeSoto-			
Sabine	5,155	5,200	
Homer	4,365	4,410	
Haynesville	6,350	6,350	
Cotton Valley	7,185	7,600	
Bellevue	970	1,030	
Urania	7,280	7,255	
Little Creek	520	515	
Total Louisiana		45,245	45,905
Arkansas.			
El Dorado	9,010	8,400	
Smackover, light	7,355	6,940	
Smackover, heavy	58,880	58,500	
Lisbon	2,075	2,140	
Stephens	1,210	1,135	
Nevada county	1,395	1,400	
Total Arkansas		80,925	78,515

Drilling permits in Louisiana for the week showed a decline of approximately 50 per cent from the level of the preceding week, according to figures issued by the Minerals Division of the State Conservation Commission.

Eleven new wells were authorized in the state during the last week, as compared to 17 drilling permits issued the preceding seven days.

The last week also accounted for two permits to deepen and four to abandon as compared to two to deepen, one to abandon temporarily and 14 to abandon the preceding period.

Calcasieu parish and Cameron parish, in southwest Louisiana, led during the last week in number of new wells authorized with three drilling permits each.

Probably the most interesting new well authorized during the last week was a wildcat in rank wildcat territory where a gas well in rank wildcat territory was completed several months ago, but later went dead. No other successful tests have been completed in that area since then. The new Franklin well is Louisiana Petroleum Corporation's Mrs. M. A. Daily No. 1, in section 6-11-7E.

The Richland parish gas field recorded one drilling permit during the

week. S. D. Hunter securing a drilling permit for his McCoy No. 1-B, in section 16-16-6E. The Gleason district of Webster parish also accounted for one drilling permit.

Besides the parishes already mentioned the only other securing drilling permits was Acadia parish, with two new wells authorized.

The Cartersville gas area of Bossier parish recorded one permit to deepen during the week. Atlantic Oil Producing Company and J. R. Bahan securing permit to deepen their Bolinger No. 1 in section 38-23-11.

WEEKLY REVIEW OF THE OIL INDUSTRY

Gazette 5/20/28
Rainbow City Field in South Arkansas Retains Spotlight of Interest.

Special to the Gazette.

Shreveport, La., May 19.—Oil and gas activity marked time in North Louisiana and south Arkansas during the week, and aside from a small well in Rainbow City, Union county, Arkansas, and a Trinity sand gasser in Cotton Valley, Webster parish, La., there was little of excitement.

The Rainbow City well, while it did not enter the completions column, due to lack of a 24-hour gauge, was better news than came out of that area in the preceding week. The well is Rushing and associates' Gregory No. 2, in section 11-17-14, which was completed making both oil and water. Some of the more optimistic thought it good for 500 barrels.

Louisiana Oil Refining Corporation completed Davis No. 1, in section 23-21-10, Webster parish (Cotton Valley), at 4,700 feet even, as a 17,000,000-foot gasser. The gas is heavy in gasoline, but nothing of the content of Ohio Oil Company's Crichton No. 2, in section 22-21-10, completed several weeks ago as a gasoline well.

Rainbow City continues to record many new locations while there is a noticeable lack of new locations and drilling permits in Cotton Valley since the Ohio Oil Company's Bodcaw No. 38, in section 15-21-10, the Trinity sand gusher, started its precipitate fall in output, and since several wells in the Trinity since completed showed water. The Louisiana's Davis well, however, was entirely free of water.

Cotton Valley will come under the personal scrutiny of a Bureau of Mines engineer, who will be located in Shreveport after July 1 to make a special study of the Trinity sand in that field.

The week just closed accounted for only one producer, a 40-barrel well in the Pine Island area of Caddo parish. There were also seven gassers and three failures during the week, as compared to three producers with a combined yield of 90 barrels, five gassers and three failures the week before.

Completions in Louisiana were as follows:

Caddo parish (Pine Island)—Bee Oil Co., Muslow No. 1, section 29-20-15, at 2,293 feet, 40 barrels.

Webster parish (Cotton Valley)—Louisiana Oil Refining Corporation, Davis No. 1, section 23-21-10, at 4,700 feet, 17,000,000 cubic feet gas, rock pressure 1,450 pounds.

Caddo parish (Blanchard)—Belchic & Laskey, R. T. Sharp No. 4, section 10-18-16, at 2,480 feet, dry, abandoned.

Union parish (Spencer)—Industrial Gas Co., Simpson No. 1, section 9-20-3E, at 2,159 feet, 5,000,000 feet of gas; Palmer Corporation, Kate Cole No. 4, section 26-20-4E, at 2,176 feet, 5,000,000 feet gas.

Morehouse parish (Bastrop)—United Carbon Co., Bastrop Pulp Co. No. 1, section 18-21-6E, at 2,678 feet, salt water and abandoned.

Richland parish (Lucknow)—Moody & Seagraves, Sartor B-1, section 9-16-6E, at 2,450 feet, 53,496,000 cubic feet of gas; Southern Carbon Co., Sartor B-1, section 9-16-6E, at 2,450 feet, 49,000,000 feet of gas.

Due to a rise of 4,940 barrels in the daily yield of the El Dorado-Rainbow City field in Union county, Arkansas, the daily average oil production of north Louisiana and south Arkansas rose 4,346 barrels to a level of 130,616 barrels for the week.

The total gain in Arkansas was 5,675 barrels, the average for the week in that state totaling 86,600 barrels. Louisiana showed a drop of 1,229 barrels, falling to 44,016 barrels. The decline was caused by a falling off in Cotton Valley, where the yield went down 903 barrels to 6,282 barrels, due to a bad falling off in the Ohio Oil Company's Trinity sand gusher, the Bodcaw No. 38, in section 15-21-10.

Figures for the last two weeks by districts in barrels follows:

Louisiana.		
	May 16	May 11
Caddo, light	9,880	9,705
Caddo, heavy	3,625	3,715
Red River-DeSoto-		
Sabine	5,000	5,155
Homer	4,300	4,365
Haynesville	6,250	6,350
Cotton Valley	6,282	7,185
Bellevue	909	970
Urania	7,320	7,260
Little Creek	450	520
Arkansas.		
El Dorado	13,950	9,010
Smackover, light	7,530	7,355
Smackover, heavy	60,605	59,880
Lisbon	2,005	2,075
Stephens	1,170	1,210
Nevada county	1,340	1,395
Total Arkansas	86,600	80,925

Activity in oil and gas exploration in Louisiana remained at the same level, according to the weekly list of permits issued by the minerals division of the state Conservation Commission. Eleven drilling permits were issued for the last week, the same number as authorized the week before.

Bossier parish, with five new wells authorized, led the state. Three of the five new wells are for the Cartersville gas area in north Bossier parish, while the other two are for the Elm Grove gas area in the southern part of the parish.

One of the most interesting permits issued during the week was a permit to S. D. McDaniel for drilling Clark-Morse Lumber Co. No. 1, in section 23-5-6W, in Natchitoches parish, a wildcat area where considerable drilling has gone on spasmodically for several years.

Besides the 11 drilling permits authorized during the last week, there were also four permits to deepen, one to abandon temporarily, and five to abandon.

The drilling permits were divided among the parish as follows: Bossier, five; Caddo, one; Cameron, one; Natchitoches, one; St. Martin, one; Union, one, and Webster, one.

The permit in St. Martin was issued to the Yount-Lee Oil Co. of Beaumont, Tex., and will mark the starting of the first well in that area by any other company than the Rycade Oil Corporation, which completed a gusher there early in the spring. The Rycade is drilling several wells, but this is the first time another company has entered the field. The Yount-Lee well is Louisiana Pet. Co. No. 1, in section 86-9-5E.

Greenwood Production Company, a subsidiary of the Moody-Seagraves interests, secured permit to abandon its Caldwell Land & Timber No. 1, in section 27-13-5E of Caldwell parish, a wildcat area southwest of the Richland gas field.

SIX MORE GUSHERS IN SOUTH ARKANSAS

Gazette 5/20/28
Rainbow City Takes Rank Alongside El Dorado and Smackover.

Special to the Gazette.

Shreveport, La., May 26.—Rainbow City, in Union county, has joined the ranks of the gusher field. As a matter of fact, it attained that class several weeks ago, but the last vestige of doubt has been eliminated and the new area takes its place alongside El Dorado and Smackover.

Four good wells, three of them gushers of 2,000 barrels or better, was the last week's contribution to the initial production of the north Louisiana and south Arkansas territory. Seven producers in the two states, six of them in Arkansas, added 6,970 barrels' initial yield during the week, quite a contrast to the 40 barrels from a lone producer the preceding week.

The last week also accounted for one gasser and six failures, as compared to seven gassers and three failures.

Louisiana's lone contribution to the production column during the last week was a 60-barrel pumper, completed by the Magnolia Petroleum Company in its Bettie Hall No. 1 in section 33-10-12 of Sabine parish.

Beside the four producers added in Rainbow City, Smackover accounted for two producers, one a 100-barrel and the other a 30-barrel pumper.

The three gushers in Rainbow City were Lion Oil and Refining Company's Rowland No. 1 in section 15-17-14, good for 2,225 barrels at 3,212 feet; Magna Production Company's Dumas No. 2 in section 11-17-14, good for 2,000 barrels, at 3,247 feet, and Pure Oil Company's E. F. Gregory No. 3 in the same section, making 2,250 barrels at a depth of 3,187 feet.

Completions for the week were as follows:

Louisiana.

DeSoto parish (Naborton)—Gulf Refining Company, Jenkins A-35, section 35-13-12, at 2,825 feet, dry, abandoned.

Sabine parish (Pleasant Hill-Pelican)—Magnolia Petroleum Company, Bettie Hall, No. 1, section 33-10-12, at 3,231 feet, 60 barrels (flowing).

Natchitoches parish (Moro)—Lawson & Pharris, Cowell-Spencer Lumber Company No. 1, section 22-5-6W, at 3,019 feet, dry, abandoned.

Ouachita parish (Monroe)—Montgomery et al., Johnson No. 1, section 30-19-4E, at 2,208 feet, 5,000,000 feet gas.

Richland parish (Boughton)—Moody & Seagraves, McDonald No. 1, section 9-15-5E, at 2,864 feet, salt water, abandoned.

Caldwell parish (Mason)—Greenwood Production Company, Caldwell Land and Timber Company No. 1, section 27-13-5E, at 3,502 feet, dry, abandoned.

Grant parish (Little Creek)—L. C. Swoope, Fee No. 3, section 18-9-1E, at 1,607 feet, salt water, abandoned.

Arkansas.

Union county (Rainbow City)—O. W. Estes, Rowland No. 1, section 14-17-14, at 2,998 feet, 305 barrels (flowing by heads); Lion Oil and Refining Company, Rowland No. 1, section 15-17-14, at 3,212 feet, 2,225 barrels clean oil; Magna Production Company, Dumas No. 2, section 11-17-14, at 3,247 feet, 2,000 barrels clean oil; Pure Oil Company, E. F. Gregory No. 3, section 11-17-14, at 3,187 feet, 2,250 barrels, flowing.

Three wells in Rainbow City were gauged for 24 hours during the last week and their total output was 8,725 barrels. The three officially completed were:

Union county (Smackover)—Lion Oil and Refining Company, Hays No. 8, section 4-16-15, at 2,340 feet, 100 barrels (pumping); Murphy G-7, section 8-16-15, at 2,468 feet, 30 barrels (pumping).

Union county (Lapile)—R. W. Rhodes et al., Union Sawmill Company No. 1, section 14-19-11, at 3,210 feet, dry, abandoned.

Production Gains in Arkansas and North Louisiana.

Gazette 5/27/28
 Special to the Gazette.

Shreveport, La., May 26.—Rainbow City, in Union county, Arkansas, continued to swell the oil output of north Louisiana and south Arkansas for the week ended May 23. The output for the week gained 5,894 barrels, rising to a level of 136,510 barrels. The gain in El Dorado, which includes Rainbow City, totaled 4,800 barrels, sending the daily yield to 18,750 barrels, putting it next to heavy Smackover in volume of yield.

The week's gain was made despite a drop of 2,201 barrels in the daily yield of Louisiana, which dropped to 43,695 barrels.

Figures for the last two weeks by districts in barrels, follow:

Louisiana.		
	May 23	May 16
Caddo, light	9,910	9,880
Caddo, heavy	3,555	3,625
Red River-De Soto-		
Sabine	5,210	5,000
Homer	4,250	4,300
Haynesville	6,390	6,250
Cotton Valley	6,020	6,262
Bellevue	955	909
Urania	6,925	7,320
Little Creek	480	450
Total Louisiana	43,695	45,896
Arkansas.		
El Dorado and Rain-		
bow City	18,750	13,950
Smackover, light	7,755	7,530
Smackover, heavy	61,720	60,605
Lisbon	1,990	2,005
Stephens	1,135	1,170
Nevada county	1,465	1,349
Total Arkansas	92,815	86,600
Total both states	136,510	130,616
Increase—	5,894 barrels.	

WEEKLY REVIEW OF THE OIL INDUSTRY

Rainbow City Field in South Arkansas Increases Output 8,655 Barrels.

Gazette 6/3/28
 Special to the Gazette.

Shreveport, La., June 2.—The advent of summer instead of causing a lull in drilling activity in Louisiana showed a considerable gain in number of new wells including several wildcat tests in south Louisiana, according to the list of permits issued by the minerals division of the state Conservation Commission for the week ending May 30. The last week saw 17 new wells authorized as compared to 12 the week before. The last week also accounted for one permit to abandon temporarily and 25 to abandon. The week before had accounted for two permits to deepen and 15 to abandon.

Nineteen of the abandonments the last week were depleted wells in the shallow Bellevue field of Bossier parish, where Gulf Refining Company secured permits to abandon wells on its Bliss & Weatherbee lease. All of them are in section 15-19-11.

Turning to the drilling authorized during the week it is seen that Palmer Corporation intends to explore further the wildcat gas territory uncovered in the East Carroll parish area, where that company recently added a 50,000,000-foot gasser 20 miles or more from the nearest gas production. During the week that company secured a permit to drill E. J. Hamley No. 1 in section 27-20-11.

Another new field which saw a new permit was Ascension parish, where the Gulf Refining Company has completed two producers in a hitherto undeveloped field. This week the Gulf secured permit to drill its United Lands Company No. 8 in section 15-1-4E.

Webster parish (Cotton Valley) after being silent for several weeks after a spurt of drilling for Trinity sand wells following completion of a gusher and gasoline well in the deep pay at 4,500-4,600 feet came back into the limelight with two new tests authorized.

Other parishes securing drilling permits for the week were: Bossier, one; Caddo, two; Cameron, three; DeSoto, one; Iberia, one; Morehouse, one; Tangapahoa, one; Union, one; West Baton Rouge, one, and West Feliciana, one. While other fields in North Louisiana and south Arkansas marked time during the last week Rainbow City in Arkansas county, continued to add gushers at the rate of practically one daily and gives promise of being another Smackover.

The sand is deeper than the lowest level of Smackover, production in the Rainbow field being from 2,700 to 3,200 feet, the majority of the wells at the latter depth.

Three wells in Rainbow City were gauged for 24 hours during the last week and their total output was 8,725 barrels. The three officially completed were:

H. L. Hunt's Gregory No. 1, section 10-17-14, 4,800 barrels; Murdock and Associates Gregory No. 2 in section 10, making 3,800 barrels.

Rushing and associates Gregory No. 2 in section 11 being good for 125 barrels daily through small tubing. Incidentally these three wells were the only completions during the last week.

The week before had accounted for seven producers with a combined yield of 6,970 barrels. The week also recorded seven gassers and two failures as compared to one gasser and five failures the preceding seven days.

Cotton Valley where deep sand exploration for a well appeared to be ready to rival Rainbow City and then later dropped from the race, is forging to the front again with three wells nearing the testing stage in the Trinity sand.

Another retarding influence to production in Louisiana is the proposal just made to the Louisiana legislature to increase the severance tax on both oil and gas to a volume basis which will work a great hardship to the oil business, it is claimed, especially the independent operators.

A spurt of 10,285 barrels in the output of the Rainbow City field sent the daily average oil production in Arkansas over the 100,000-barrel mark for the week. The rise gave Arkansas a gain of 8,655 barrels bringing the yield of that state to 101,470 barrels.

The increase also sent the production for North Louisiana and South Arkansas to 144,285 barrels, a net gain of 7,775 barrels, Louisiana having declined 870 barrels to 42,815 barrels.

Of the 29,035 barrels credited to El Dorado and Rainbow City during the last week over 24,000 barrels is Rainbow City yield.

Figures for the two states by districts for the last two weeks follow:

Louisiana.		
	May 30	May 23
Caddo, light	9,610	9,910
Caddo, heavy	3,411	3,555
Red River-DeSoto-		
Sabine	5,055	5,210
Homer	4,309	4,250
Haynesville	6,340	6,390
Cotton Valley	5,820	6,020
Bellevue	930	955
Urania	6,905	6,925
Little Creek	435	480
Total Louisiana	42,815	43,695
Arkansas.		
El Dorado and Rainbow		
City	29,035	18,750
Smackover, light	7,840	7,755
Smackover, heavy	60,035	61,720
Lisbon	2,055	1,990
Stephens	1,120	1,135
Nevada county	1,385	1,465
Total Arkansas	101,470	92,815
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WEEKLY REVIEW OF THE OIL INDUSTRY

Gazette 6/10/28
Increased Yield in Rainbow City Boosts Production 4,040 Barrels.

Special to the Gazette.

Shreveport, La., June 9.—Increased yield in the Rainbow City field of Union county, Arkansas, sent the daily average oil production in the north Louisiana-south Arkansas area soaring 4,040 barrels the week ending June 6 and gave the area a daily average yield of 105,545 barrels. Rainbow City rose 3,950 barrels to a level of 32,985 barrels.

Louisiana's yield remained practically unchanged, the yield in this state falling 35 barrels to 42,780 barrels. Smackover, heavy, which is the only area now exceeding Rainbow City in output, gained 135 barrels to reach 60,170 barrels for the week.

Figures by districts for the two weeks follow in barrels:

Louisiana.		
	June 6	May 30
Caddo, light	9,560	9,610
Caddo, heavy	3,190	3,411
Red River, DeSoto-Sabine	5,185	5,055
Homer	4,310	4,309
Haynesville	6,295	6,340
Cotton Valley	5,880	5,820
Bellevue	990	930
Urania	6,875	6,905
Little Creek	495	435
Arkansas.		
El Dorado-Rainbow City	32,985	29,035
Smackover, light	7,850	7,840
Smackover, heavy	60,170	60,035
Lisbon	2,005	2,055
Stephens	1,125	1,120
Nevada county	1,410	1,385

Five gushers in the Rainbow City field added 10,762 barrels of new production, sending the initial yield to 11,017 barrels, was the feature of the seven-day period's oil activity.

Several other areas, however, divided honors with Rainbow City in attracting attention. First is the wildcat well, Myers No. 1, in section 15-22-7, Morehouse parish, which is to be drilled in around 2,900 feet by the Texas Company. This is a rank wildcat but excellent shows of oil have been obtained and the oil fraternity scent the prospects of a new field.

Bruce Richardson drilling his Mayfield No. 1 in section 30-23-9, Webster parish, between the Spring Hill area in Webster and the Haynesville oil field in Claiborne parish, has been working quietly but has the hole of his well standing in 800 feet of oil. He this week secured permit to drill an offset to this well.

Another feature of the week was the completion of a 165-barrel producer in the Pine Island field of Caddo parish which has been dormant for some months. Dixie Oil Company added its Clark et al. No. 9 in section 14-21-15 at 3,989 feet as the Trinity producer.

This well and two producers good for 90 barrels were the only producers added during the week outside of the Rainbow City gushers. The week before

three Rainbow City gushers had added 8,715 barrels of new yield for the area. The last week also recorded nine gassers and four failures as compared to seven gassers and four failures the week before. Completions for the week were as follows:

Louisiana.

Bossier parish (Cartersville)—Arkansas Natural Gas Company, Crawford No. 1, section 6-22-11, at 3,081 feet, six million feet of gas, 1,000 pounds rock pressure.

J. R. Bahan, Bolinger No. 1, section 38-23-11 at 3,053 feet, 25 million feet gas.

Magnolia Petroleum Company, Baker No. 2, section 35-23-11 at 3,078 feet, gauged 10,900,000 feet gas.

Caddo parish (Pine Island)—Dixie Oil Company (Standard of Indiana), Clark et al. No. 9, section 14-21-15 at 3,989 feet, 165 barrels.

Bossier-Caddo (Belcher)—Triangle Drilling Company, Bulkley No. 1, section 9-20-13, at 2,700 feet, dry and abandoned.

Claiborne parish (Arizona)—El Dorado Chief Oil Company, Jones No. 1, section 8-20-6 at 2-600 feet, dry and abandoned.

Bossier parish (Elm Grove)—H. S. Goodwin, trustee, Curtis No. 3, section 2-16-13 at 2,990 feet, salt water abandoned; David B. Johnson, Caddo-Bossier Ind. No. 1, section 13-17-13 at 2,640 feet, dry and abandoned; Sligo Syndicate, H. L. Skannal No. 2, section 14-17-12 at 1,715 feet, two million feet gas.

Union parish (Spencer)—Industrial Gas Company, E. Harris No. 1, section 24-20-3E at 2,188 feet, seven million feet gas (gauged).

Ouachita parish (Monroe)—Jordan Drilling Company, J. T. Cole No. 1, section 50-18-4E at 2,203 feet, five million feet gas.

Richland parish (Lucknow)—Arkansas Natural Gas Company, Thomason C-3, section 21-16-6E at 2,465 feet, 60 million feet gas; Thomason C-4, section 21-16-6E at 2,466 feet 50 million feet gas.

A total of 300 new wells have been started in Louisiana during the first five months of the year, according to the record of drilling permits for that period made public by the minerals division of the Louisiana Conservation Commission.

The month of May kept pace with this average of 60 permits monthly by recording permits for 62 new wells. There were 10 permits to deepen during the month of May, 55 to abandon, and four to abandon temporarily, making an aggregate of permits for the month of 131 for all purposes.

Figures for the first five months of 1928 besides the 300 to drill are as follows: To deepen, 30; to abandon, 249; to plug and perforate, three; to abandon temporarily, 15; to sidetrack, eight; to shoot casing, three; to whipstock, one. This makes a grand total for all purposes for the five months period 609.

RAINBOW CITY FIELD IS IN OIL SPOTLIGHT

Four New Gushers Increase Arkansas Production as Louisiana Drops.

Gazette 6/17/28

Special to the Gazette. Shreveport, La., June 16.—Four new gushers, many new locations, edge wells, and talk of pro-ration of runs in the new Rainbow City field of Union county, Arkansas, has kept that new gusher district in the center of the spotlight in the oil and gas territory of north Louisiana and south Arkansas during the past week.

Aside from a 10-barrel pumper in Union parish, Louisiana, where there was a flurry of excitement several years ago over prospects of uncovering an oil field, Louisiana did not add any oil wells during the last week. The 10-barrel oil well in that area that was completed as Carter and Goodwin's Hudson No. 1 in section 7-23-1E. The Texas Oil Company's Meyers No. 1 in section 15-22-7E, Morehouse parish, a rank wildcat, which will be drilled in Sunday, June 17, at around 2,900 feet, has shown a number of rich oil sand cores and the fraternity is awaiting with great interest the testing of the well.

The four new gushers in Rainbow City added 8,788 barrels of new production, making the total new yield for the two states 8,798 barrels as compared to 11,017 barrels from six producers the week before. The last week also accounted for eight gassers and two failures as compared to nine gassers and five failures during the preceding seven-day period.

Production has become so great in the Rainbow City field that conservation measures, including a proposed pro-ration of runs in that area, were discussed Friday night at an open hearing, held at El Dorado on call of the Arkansas Conservation Department. As the new field has caused a revival of activity in the El Dorado area producers were not inclined to pledge themselves to a pro-ration of cut in the runs from that field. Six pipe lines now serve the new field.

Approximately 15 new wells will be started immediately, as locations for about that number of tests in the Rainbow area were announced during the week.

Completions for the week were as follows:

Louisiana.
Webster parish (Spring Hill)—Magnolia Petroleum Company, Leona Sexton No. 1, section 32-23-9 at 2,697 feet, 28 million feet gas.
DeSoto parish (Narberton)—Monrovia Company, Nabors No. 1, section 32-13-11 at 770 feet, one million feet gas.
Union parish (Spencer)—Carter & Goodwin, Hudson No. 1, section 7-23-1E, at 2,274 feet, 10 barrels oil.
Morehouse parish (Monroe)—Southern Carbon Company, Davis No. 1, section 21-20-4E at 2,148 feet, 45 million feet gas.
Ouachita parish (Monroe)—Southern Carbon Company, Fairbanks No. 9, section 34-20-4E at 2,165 feet, eight million feet gas.
Richland parish (Lucknow)—W. C. Feazel, Pardue No. 1, section 32-16-6E at 2,450 feet, 43 million feet gas; Feazel & Helmar, Pardue et al. No. 1, section 21-16-6E at 2,445 feet, 51 million feet gas; S. D. Hunter, McCoy B-1, section 16-16-6E at 2,440 feet, 30 million feet gas.

East Texas.
Panola county (Bethany)—S. H. Gardner et al., H. L. Brumble No. 1, B. C. Jordan headright survey, at 2,308 feet, five million feet gas.

Arkansas.
Union county (Rainbow City)—E. M. Jones, Stegall No. 1, section 22-17-14 at 3,711 feet, dry abandoned; Ohio Oil Co., J. W. Pumphrey No. 2, section 1-17-14 at 3,247 feet, dry abandoned; Pure Oil Company, E. F. Gregory No. 2, section 11-17-14 at 3,229 feet, 800 barrels flowing; E. F. Gregory No. 6, section 11-17-14 at 3,188 feet, 3,000 barrels flowing; Rovenger Oil Corporation, W. H. Perdue No. 1, section 10-17-14 at 3,246 feet, 4,488 barrels flowing; Alice-Sydney Oil Co., Gregory No. 6, section 11-17-14 at 3,226 feet, 500 barrels flowing.

Union county (Lapile)—H. L. Hunt, Dykes No. 1, section 21-18-12 at 3,203 feet, salt water, abandoned.

Daily Average of Two States Near 150,000-Barrel Mark.

Gazette 6/17/28

Special to the Gazette. Shreveport, La., June 16.—Daily average oil production in the north Louisiana-south Arkansas oil territory continued to mount during the week ending June 13, raising 487 barrels to an average of 148,812 barrels.

A rise of 1,815 barrels in the daily yield of the Rainbow City field in Union county, Arkansas, brought that field to a level of 34,800 barrels and overcame drops in several other fields. The net gain in Arkansas for the week was 1,220 barrels, the average for the state reaching 106,765 barrels. Louisiana declined 733 barrels to 42,047 barrels.

Figures by districts for the last two weeks follow:

Louisiana.		
	June 13.	June 6.
Caddo, light	9,570	9,560
Caddo, heavy	3,202	3,190
Red River, DeSoto, Sabine	5,210	5,185
Homer	4,250	4,310
Haynesville	6,180	6,295
Cotton Valley	5,470	5,880
Bellevue	900	990

Arkansas.		
	June 13.	June 6.
El Dorado-Rainbow City	34,800	32,985
Smackover, light	7,550	7,850
Smackover, heavy	60,010	60,170
Lisbon	1,940	2,005
Stephens	1,105	1,125
Nevada county	1,360	1,410

Total 42,047 42,780

Louisiana.		
	June 27.	June 20.
Caddo, light	9,730	9,940
Caddo, heavy	3,220	3,112
Red river, DeSoto,		
Sabine	5,115	5,120
Homer	4,290	4,310
Haynesville	6,010	6,150
Cotton Valley	4,820	4,910
Bellevue	865	900
Urania	6,970	7,000
Little Creek	405	470

Total 41,425 41,912

Total both states 148,812 148,325

Increase, 487 barrels.

SEVEN NEW WELLS IN SOUTH ARKANSAS

Daily Output Increased 11,300 Barrels in Rainbow City During Week.

Gazette 6/17/28

Special to the Gazette. El Dorado, June 15.—Seven new wells were completed in the Rainbow City oil field during the past week, adding 11,300 barrels of oil to the daily flow and extending one part of the field a half mile.

The Pure Oil Company led in completion with three wells. The largest producer is the E. F. Gregory No. 6 in the southwest of southeast of section 11-17-14, making 4,000 barrels per day. The Pure No. 4 E. F. Gregory in the southeast corner of section 10-17-14 is rated at 2,000 barrels, while the No. 2 E. F. Gregory in the southwest corner of section 11-17-14 is making 1,400 barrels. Dr. J. S. Rushing brought in the second gusher on his 20-acre lease on the E. F. Gregory farm in section 11-17-14, the No. 4 Alice-Sydney, good for 2,000 barrels. The Magna Producing Company completed the Rowland B-1 at 1,500 barrels.

Two other completions, both small ones, were recorded. The Magnolia Petroleum Company brought in its Carroll No. 3 in section 1-17-14, at around 100 barrels, and the Lion Oil Refining Company's Nash No. 1 in section 6-17-13 at 400 barrels. The Lion well extends the old part of the Rainbow field a half mile to the east, and it is believed that a drilling campaign will be started in that section.

29 Producing Wells.

There now are 29 producing wells in the field and 57 others drilling, with perhaps no less than 30 locations where rigs and derricks are being placed on the ground. The region of greatest activity is in the radius of a half mile of the Rovenger Perdue No. 1 in the southeast corner of northeast of northwest of section 10-17-14. Sixteen locations were made during the week on 160 acres in section 10, while others are scattered along the east side of 9 and along the southern border of 3 and 4-16-14.

The center of interest for the first of next week is the forthcoming test of the Root Refiner, Inc., and Sol Simon on the G. N. Jerry No. 1 in section 21-17-14, more than a mile and a half southwest of the nearest producing well. This well was given a drill stem test a week ago and showed 15,000,000 feet of gas and a considerable amount of oil. Casing was set at once at a depth of 2,796 feet, which is 400 feet above the deep area.

The Magna Producing Company uncovered a new producing sand in its Rowland B-1 in the northwest corner of section 14-17-14 when the well was brought in making 1,500 barrels per day from a depth of 3,053 feet. This sand is between the 3,200-foot level and the shallow sand. The company has one well in the same corner of this 40 acres flowing from the 2,990-foot sand and a third is being drilled a few yards away to tap the deeper strata. This is the first instance in the South Arkansas fields of wells being drilled adjacent to each other into different sands. Dr. J. S. Rushing, trustee, is lubricating his No. 3 Alice-Sydney well on the E. F. Gregory farm, which came in at 35,000,000 feet of gas and will core deeper in an effort to secure a flow of oil. The No. 6 is making 500 barrels per day and No. 5 is being cored. Nos. 1 and 2 are making a combined production of approximately 4,000 barrels per day.

Johnson Bros., Arkansas Drilling Company will test their Carroll No. 1 in section 1-17-14 in the next few days. The well stood 350 feet in oil when a drill stem test was made a week ago. It is located on a five-acre lease in the older part of the Rainbow field.

The Hunter-Jones well in the northwest corner of section 33-16-14, three miles northwest of the field, was tested from a depth of 3,204 feet and a fair showing was had, according to reports.

The Ohio Oil Company is reported to have shut down on the Adams lease in section 11-17-14, where they have failed as yet to find anything after drilling below 3,250 feet. The Adams land lies directly north of the prolific Rushing lease. The same company is also abandoning its Lockner No. 1 in the same section to the east of the Adams land. This well was drilled to 3,289 feet. The Locker No. 2 is coring at 3,276.

OIL PRODUCTION IN ARKANSAS DECLINES

Drop Occurs Without Pro-ration of Runs in Rainbow City.

Gazette 6/24/28

Special to the Gazette.

Shreveport, La., June 23.—Although nothing officially was done to pro-ration runs in the new Rainbow City field of Union county, Arkansas, at a meeting held last week, apparently the talk had an effect, for the daily average yield in the new field declined 2,800 barrels for the week ending June 20. Recessions in other districts, added to the drop in Rainbow City, gave the north Louisiana-south Arkansas territory a total decline of 5,050 barrels, the average for the last week totaling 143,762 barrels.

Louisiana yield remained on practically an even keel for the last two weeks, dropping 135 barrels to 41,912; the balance of the decline was in Arkansas. The bulk of the decline in the latter state, aside from Rainbow City, was caused by a drop of 2,150 barrels in heavy Smackover which went down to 57,860 barrels.

Figures for the last two weeks by districts follow (barrels):

Louisiana.		
	June 20.	June 13.
Caddo, light	9,940	9,570
Caddo, heavy	3,112	3,202
Red River, DeSoto,		
Sabine	5,120	5,210
Homer	4,310	4,250
Haynesville	6,180	6,150
Cotton Valley	4,910	5,470
Bellevue	900	900
Urania	7,000	6,845
Little Creek	470	420

Total 41,912 42,047

Arkansas.		
	June 20.	June 13.
Rainbow City and		
El Dorado	32,000	34,800
Smackover, light	7,475	7,550
Smackover, heavy	57,860	60,010
Lisbon	1,960	1,940
Stephens	1,105	1,105
Nevada county	1,450	1,360

Total 101,850 106,765

Total both states 143,762 148,812

Decline, 5,050 barrels.

Completions for the week were as follows:

Arkansas.
Garland county (High Point)—Chaywood Oil Company Malvern Lumber Company No. 1, section 17-2-17, at 1,665 feet, dry and abandoned.
Ouachita county (Stephens)—Wesson & Bonner, Hall & Wilson No. 1, section 22-15-19, at 2,164 feet, 30 barrels, pumping.
Union county (Rainbow City)—Lion Oil and Refining Company, Nash No. 1, section 6-17-13, at 3,058 feet, 210 barrels, flowing; Magna Production Company, Dumas No. 3, section 11-17-14, at 3,300 feet, salt water, abandoned; Rowland No. 2, section 14-17-14, at 3,286 feet, salt water, abandoned; Magnolia Petroleum Company, Carroll No. 3, section 1-17-14, at 2,993 feet, 90 barrels, flowing; Ohio Oil Company, T. E. Adams No. 2, section 11-17-14, at 3,287 feet, salt water, abandoned; T. E. Adams, No. 3, section 11-17-14, at 3,257 feet, salt water, abandoned; T. E. Adams, No. 4, section 11-17-14, at 3,304 feet, salt water, abandoned; Ohio Oil Company, M. E. Lochner No. 1, section 11-17-14, at 3,389 feet, salt water, abandoned; M. E. Lochner No. 2, section 11-17-14, at 3,281 feet, salt water, abandoned; E. A. B. Smith No. 1, section 1-17-14, at 3,254 feet, dry, abandoned; Pure Oil Company, E. F. Gregory No. 4, section 10-17-14, at 3,200 feet, 2,000 barrels, flowing; J. M. Gregory No. 2, section 11-17-14, at 3,249 feet, 90 barrels, flowing; Alice-Sydney Oil Company, Gregory No. 4, section 11-17-14, at 3,238 feet, 1,260 barrels, flowing.

PRODUCTION SHOWS DECLINE FOR WEEK

Due to Continued Drop in the New Rainbow City Field.

Gazette 7/1/28

Special to the Gazette.

Shreveport, La., June 30.—Due to a continued recession in the new Rainbow City field of Union county, Arkansas, which fell off 3,910 barrels during the week to 28,090 barrels, the daily average oil production in the north Louisiana-south Arkansas territory again showed a decline for the week ending June 27. The fall for the whole territory was 3,156 barrels, the average for the week being 140,606 barrels.

A natural decline from initial production of the large gushers that have featured Rainbow City during the first part of its existence and a noticeable absence of gushers of such large size in the last 10 days, is assigned by oil men as the reason for the decline there. Talk of pro-ration of runs may also have aided the decline.

The decline for the week in Arkansas was 2,669 barrels, the average in that state falling to 99,181 barrels. In

Louisiana the daily yield dropped to 41,425 barrels, a decline of 487 barrels.

Figures for the two states by districts for the last two weeks follow:

Louisiana.		
	June 27.	June 20.
Caddo, light	9,730	9,940
Caddo, heavy	3,220	3,112
Red river, DeSoto,		
Sabine	5,115	5,120
Homer	4,290	4,310
Haynesville	6,010	6,150
Cotton Valley	4,820	4,910
Bellevue	865	900
Urania	6,970	7,000
Little Creek	405	470

Total 41,425 41,912

Arkansas.		
	June 27.	June 20.
El Dorado, Rainbow		
City	28,090	32,000
Smackover, light	7,625	7,475
Smackover, heavy	59,055	57,860
Lisbon	1,950	1,960
Stephens	1,056	1,105
Nevada county	1,405	1,450

Total 99,181 101,850

Total both states 140,606 143,762

Decline, 3,156 barrels.

LARGE PRODUCING AREA IS ASSURED

El Dorado East Field and Rainbow City Will Be Joined.

Gazette 7/1/28

Special to the Gazette.

Shreveport, La., June 30.—That the El Dorado East field and the new Rainbow City field in Union county, Arkansas, will be linked into one large producing area appears certain with the completion during the last week of Root Refiner's Jerry No. 1 in section 21-17-14 at around 2,800 feet as a 300-barrel producer. The well is approximately one and a half miles southwest of production in Rainbow City and about the same distance northeast of the extreme boundary of the East field.

While three producers were added in Rainbow City during the week none of them was of the caliber that have featured the area in recent weeks and several salt water wells were added in the field during the last seven days. The salt water wells were not confined to edge wells, either, for three of them were in the producing area centered in sections 10 and 11-17-14. Two of them showed oil along with the salt water.

On the other hand the three producers added in the district added 1,550 barrels new yield but this did not prevent a big decline in the daily production of the district which dropped off for the second consecutive week.

Another feature of the Jerry well is that it is from 200 to 400 feet higher than the producers in the Rainbow City field proper. An attempt to extend Rainbow City southeast ended in failure when Ouachita Natural Gas Company's Perdue No. 1 in section 33-16-14 hit salt water and was abandoned at 3,240 feet.

Besides the three producers in Rainbow City two other small wells, a 15-barrel pumper in Caddo parish and a 10-barrel pumper in the Bethany gas field of Panola county, east Texas, were added, giving the initial yield for the territory as 1,575 barrels from five producers as compared to seven producers with a combined yield of 3,705 barrels the week before. The last week also accounted for four gassers and six failures as compared to two gassers and 10 failures the preceding week.

Completions for the week were as follows:

Louisiana.
Caddo parish (Pine Island)—Simms Oil Co., Glassel No. 1, section 23-20-15 at 2,232 feet, 10 barrels (pumping).
Union parish (Spencer)—Natural Gas & Production Co., L. J. Pace No. 1, section 35-22-3E at 2,187 feet, 2 million feet gas; Moody & Seagraves, Norsworthy No. 1, section 9-21-3E at 2,225 feet, 1 million feet gas.
Richland parish (Lucknow)—Woodley Petroleum Co., Osborne No. 1, section 3-17-7E at 3,131 feet, dry and abandoned; Southern Carbon Co., Sartor No. 3, section 18-16-6E at 2,450 feet, 45 million feet gas.

East Texas.
Harrison county (Waskom)—Mitchell et al., Jones No. 1, Joel Lipscomb headright survey at 966 feet, dry and abandoned.

Panola county (Bethany)—Magnolia Petroleum Co., Vance No. 1, John Womack headright survey at 2,432 feet, 10 barrels oil (pumping); Texas Company, T. C. Adams A-5, B. C. Jordan headright survey at 964 feet, 2 million feet gas.

Arkansas.
Union county (Rainbow City)—Arkansas Drilling Co., Carroll No. 1, section 1-17-14 at 3,015 feet, 250 barrels; Magna Production Co., Dumas No. 5, section 11-17-14 at 3,312 feet, salt water, abandoned; Ohio Oil Co., C. E. Connor No. 1, section 11-17-14 at 3,235 feet, salt water, abandoned; Ouachita Natural Gas Co., Perdue No. 1, section 33-16-14 at 3,240 feet, salt water, abandoned; Rushing and associates, Gregory No. 5, section 11-17-14 at 3,300 feet, salt water, abandoned; Root Refiner's, Jerry No. 1, section 21-17-14 at 2,800 feet, 300 barrels (estimated); H. L. Hunt, J. D. Gregory No. 2, section 10-17-14, at 3,189 feet, 1,000 barrels (estimated).

WEEKLY REVIEW OF THE OIL INDUSTRY

Oil Interest Is Centered on 6,000-Barrel Gusher in Trinity Field.

Gazette 7/6/28

Special to the Gazette.

Shreveport, La., July 7.—Early this year Rainbow City in Union county, Ark., and the deep Trinity sand field uncovered in Cotton Valley, Webster parish, La., gave promise of being rivals for the spotlight of the territory. Then when gusher after gusher was added in Rainbow City and only small gassers and many water holes were the result of the exploration in the Trinity field in Webster, the Arkansas field forged far ahead.

However, the story of the hare and the tortoise may yet be apropos of the two districts, for just when Rainbow City has apparently been definitely marked as to its limits and when production there is rapidly tumbling, the Cotton Valley deep field does a "come-back" and adds a 1,900 barrel gusher from 4,734 feet to hold the spotlight of the territory at least for the last week.

Ohio Oil Company which uncovered gusher production in the Trinity section when its Bodcaw Lumber Co. No. 38 in section 14-21-10, Webster parish, came in as a 6,000 barrel well, the yield in the well later dropping to less than a fourth that yield, has uncovered an eastern offset in the same section and known as Bodcaw Lumber Co. No. 39 as a 1,900 barrel gusher.

Rainbow City, on the other hand, did not fade from the picture, during the

week adding three producers with a combined yield of 1,311 barrels. The Cotton Valley gusher, the three Rainbow City wells, and a small producer in Smackover account for the week's five producers whose combined initial yield is 3,229 barrels.

The week before had accounted for five producers with a combined initial yield of 1,575 barrels. The last week accounted for four gassers and three failures as compared to four gassers and five failures over the preceding seven-day period.

One of the gassers included in the last week's total was a Trinity sand gasser in the Cotton Valley field of Webster parish.

Production Drops.

Daily average oil production in North Louisiana and south Arkansas continued Louisiana and South Arkansas continuing July 4, tumbling 6,126 barrels to an average of 134,480 barrels.

A decline in Rainbow City, Union county, Ark., the newest gusher field of the two states amounted to 5,285 barrels and accounted for the bulk of the drop. The average in Rainbow City for the last week was 22,805 barrels. Louisiana dropped only 290 barrels to 41,135 barrels but in Arkansas besides the recession in Rainbow City, the heavy Smackover district fell away 455 barrels to a level of 58,600 barrels.

Drilling activity in Louisiana in the exploration for oil and gas was at a high level during the first six months of 1928, according to a list of permits for the semi-annual period, issued by the minerals division of the state conservation commission.

A total of 365 wells were started during the six months period, or an average of over 60 wells each month. The total number of permits issued during the six months period totaled 701 and included besides the permits to drill, 35 to deepen, 296 to abandon, three to plug and perforate, fifteen to abandon temporarily, nine to sidetrack, three to shoot casing and two to whipstock.

New Wells Authorized.

Sixty-five new wells were authorized during the month of June which is considered a high level when the low price of oil, the new severance tax legislation pending before the Louisiana assembly, and the usual summer dullness are considered.

Besides the sixty-five drilling permits issued during June, there were also issued that month five to deepen, twenty to abandon, one to sidetrack, and one to whipstock making a total of 92 permits for all purposes issued during the month.

Caddo parish led in number of new wells during the month with ten, with Calcasieu next with nine, Cameron was third with eight, Webster parish was further down the line with six new wells.

The last week, however, the drilling permits list only eight new wells being authorized for the seven days ending July 3, as compared to seventeen authorized the week before. Webster parish, in the Spring Hill-Sarepta eastern area of the parish, led with three wells authorized. Two wells there where it is about five miles from both the Haynesville oil field in Claiborne parish and the eastern edge of production in Sarepta-Spring Hill.

Bruce Richardson's Mayfield No. 1 in this semi-wildcat area recently showed oil and has been standardized to pump, which may account for the three new wells all of which are in section 29-23-9.

The other permits to drill during the week were divided as follows: Ascension parish, one; Caddo parish, one; DeSoto parish, one; Morehouse parish, one; Terrebonne parish, one; Besides these Winn parish accounted for one permit to abandon. The week before besides accounting for seventeen per-

mits to drill had also accounted for two to deepen, four to sidetrack and four to abandon.

Figures by districts for the last two weeks were as follows in barrels:

Louisiana	July 4	June 22
Caddo, light	9,880	9,730
Caddo, heavy	3,270	3,220
Red River-DeSoto-Sabine		
.....	5,110	5,115
Homer	4,200	4,290
Haynesville	5,985	6,010
Cotton Valley	5,550	4,820
Bellevue	845	865
Urania	6,790	6,970
Little Creek	505	405
Total Louisiana	41,135	41,425

Arkansas	July 4	June 22
Rainbow City-El Dorado	22,805	28,090
Smackover, light	7,605	7,625
Smackover, heavy	58,600	59,055
Lisbon	1,935	1,950
Stephens	1,045	1,056
Nevada county	1,355	1,405
Total Arkansas	93,345	99,181
Total both states	134,480	140,606

Decline 6,121 barrels. Completions for the week are as follows:

Louisiana
Spring Hill-Sarepta (Webster parish)—Bethany Oil & Gas Co., Atkins No. 1, section 32-23-9 at 2,678 feet, eight million feet of gas; Cotton Valley—Palmer Corporation Mixon No. 1, section 22-21-10 at 4,729 feet, three million feet of gas; Ohio Oil Co., Bodcaw Lumber Co. No. 39, section 14-21-15 at 4,734 feet, 1,900 barrels oil.

Bossier parish (Elm Grove)—H. S. Goodwin, trustee, McDade No. 2, section 36-17-13 at 898 feet, three million feet gas.

East Carroll parish (Roosevelt)—Texas Company, Boone Live Oak Planting Co. No. 1, section 11-20-12E at 3,505 feet, dry abandoned.

Winn parish (Dodson)—T. S. Sack-rider, trustee, Nelson No. 1, section 26-11-1E at 1,590 feet, salt water abandoned.

East Texas
Panola county (Bethany)—S. H. Gardner, et al, G. E. Brumble No. 1, E. C. Jordan headright survey, at 2,286 feet, five million feet of gas (estimated).

Arkansas
Ouachita county (Smackover)—Frank B. Wood trustee, Turnage No. 1, section 34-15-16 at 2,058 feet, 18 barrels pumping.

Union county (Rainbow City)—H. L. Hunt, Gregory No. 2, section 10-17-14 at 3,210 feet, 361 barrels flowing; C. E. Murdock et al, Dumas No. 1, section

11-17-14 at 3,224 feet, 460 barrels; Ohio Oil Co., T. E. Adams No. 1, section 11-17-14 at 3,379 feet, salt water abandoned; Pure Oil Co., W. E. Gregory Estate No. 2, section 15-17-14 at 3,202 feet, 490 barrels flowing.

WEEKLY REVIEW OF THE OIL INDUSTRY

Activities Slump in South Arkansas and North Louisiana Fields.

Special to the Gazette. Shreveport, July 14. — Comparative quiet reigned for the last week in the oil and gas industry of north Louisiana and south Arkansas, interest continuing to be centered in Rainbow City, Union county, Ark., and in the Trinity sand exploration of the Cotton Valley, Webster parish, La., fields.

Neither of these fields gave encouraging results during the seven-day period. Rainbow City continued to record many saltwater wells, while Cotton Valley's only two gushers in the deep pay showed a dropping off. In fact, shortly after the addition of the second deep gusher which was added toward the end of last week as an offset to the first deep pay flowing well, the original gusher dropped rapidly, and for a few hours went completely dead, later being revived and at present flowing about 400 barrels. The first deep gusher there was Ohio Oil Company's Bodcaw No. 38, in section 14-21-10, and the second was an eastern offset in the same section, being No. 39, of the same lease. It came in at 1,900 barrels, later dropping to half that amount.

Cotton Valley, however, added a huge gasser in the Trinity sand during the week, this being Magnolia Petroleum Company's J. L. Mixon No. 1, in section 22-21-10, good for 45,000,000 feet at a 4,675-foot level. Rainbow City added only two producers during the week, one a 2,697-barrel gusher in Magna Production Company's Townsend No. 2, completed in section 10-17-14, at 3,227 feet in 15 feet of sand. The oil is free of water and basic sediment. The other producer in the new area was Pure Oil Company's J. M. Gregory No. 3, in section 11-17-14, good for 340 barrels at 3,216 feet. All of the six failures in the two state were in the Rainbow City field, five of the abandonments being salt water holes.

The most important well in Louisiana was a semi-wildcat in the White Sulphur area of La Salle parish, where several small producers have been added around the 700-800 foot level. Tunica Petroleum Company, which owns most of the acreage in that area dur-

ing the week added its L. & A. Oil Company No. 42, in section 17-7-2E, at 820 feet, as a 15-barrel producer.

Drilling Permits.
Drilling permits during the week ending July 15 showed a gain over the preceding week, 11 new wells being authorized in Louisiana during the last seven-day period, as compared to eight the week before, according to the list of permits announced by the Minerals Division of the State Conservation Commission.

The permits were widely scattered, no parish having over two new wells authorized. Richland, Morehouse and

Ouachita parishes led with two new wells each, the others being divided between Acadia parish, one; LaSalle parish, one; Webster parish, one, and Winn parish, one.

There were permits for ten abandonments issued during the week and one permit to whipout. The week before had accounted for one permit to abandon besides the eight to drill.

Four of the abandonments during the last week were in the old Haynesville field of Claiborne parish, where the Ohio Oil Company abandoned a quartet of old wells. The other abandonments were in Bossier, Cameron, Calcasieu and Richland parishes.

Probably the most interesting drilling permit issued during the week was Tunica Petroleum Company's L. & A. Oil Company No. 44, in section 16-7-2E, LaSalle parish, White Sulphur district, where an intermittent drilling campaign has been under way since several wells around 700 and 800 feet showed considerable oil, and are good for small commercial pumps.

Production Declines.

Daily oil production in north Louisiana and south Arkansas continued on the toboggan for the week ending July 10, dropping 3,926 barrels, to a level of 130,554 barrels. The sharpest recession was in the new Rainbow City field of Union county, Arkansas, where the yield fell 2,950 barrels to a level of 19,855 barrels.

In Louisiana the yield showed only a minor decline, falling 226 barrels to 40,909 barrels, while in Arkansas the decline in Rainbow City accounted for practically all the drop in that state, which fell 3,700 barrels, to 89,645 barrels. Heavy Smackover dropped 365 barrels to 58,235 barrels.

Figures for the last two weeks by districts follows in barrels:

Louisiana	July 10	July 3
Caddo, light	9,480	9,880
Caddo, light	3,110	3,270
Red River-DeSoto-		
Sabine	5,084	5,110
Homer	4,120	4,200
Haynesville	5,985	5,985
Cotton Valley	4,960	4,550
Bellevue	725	845
Urania	6,905	6,790
Little Creek	560	505
Total Louisiana	40,909	41,135
Arkansas		
El Dorado-Rainbow City	19,855	22,805
Smackover, light	7,410	7,605
Smackover, heavy	58,235	58,600
Lisbon	1,830	1,935
Stephens	1,000	1,045
Nevada county	1,315	1,355
Total Arkansas	89,645	93,345
Total both states	130,554	134,480
Decline	3,926	

Completions for the week were as follows:

Louisiana
Bossier parish (Cartersville)—Arkansas Natural Gas Company, Peyton No. 1, section 30-23-11, at 3,042 feet, 35,000,000 feet of gas.

Caddo parish (Pine Island)—W. W. Dodson, Rives No. 1, section 5-20-16, at 1,850 feet, 20 barrels.

Webster parish (Cotton Valley)—Magnolia Petroleum Co., J. L. Mixon No. 1, section 22-21-10, at 4,675 feet, 45,000,000 cubic feet of gas.

Ouachita parish (Monroe)—United Carbon Company, J. A. Peak No. 1, section 7-20-4E, at 2,134 feet, 18,000,000 cubic feet of gas.

LaSalle parish (White Sulphur)—Tunica Petroleum Company, L. & A. Oil Company No. 42, section 17-7-2E, at 820 feet, 15 barrels.

Arkansas
Union county (Rainbow City)—Arkansas Natural Gas Company, Felsenthal No. 1, section 11-17-14, at 3,159 feet, dry and abandoned; Magna Production Company, Townsend No. 2, section 10-17-14, at 3,227 feet, 2,697 barrels of clean oil (flowing); C. E. Murdock et al., Gregory No. 4, section 10-17-14, at 3,328 feet, salt water and abandoned; Ohio Oil Company, W. S. Rowland No. 1, section 15-17-14, at 3,297 feet, salt water and abandoned; Pure Oil Company, E. F. Gregory B-2, section 10-17-14, at 3,298 feet, salt water, abandoned; J. M. Gregory No. 3, section 11-17-14, at 3,216 feet, 340 barrels; W. E. Gregory No. 3, section 15-17-14, at 3,305 feet, dry and abandoned; Taylor No. 1, section 10-17-14, at 3,259 feet, salt water and abandoned.

Arkansas
Union county (Rainbow City)—Arkansas Natural Gas Company, Felsenthal No. 1, section 11-17-14, at 3,159 feet, dry and abandoned; Magna Production Company, Townsend No. 2, section 10-17-14, at 3,227 feet, 2,697 barrels of clean oil (flowing); C. E. Murdock et al., Gregory No. 4, section 10-17-14, at 3,328 feet, salt water and abandoned; Ohio Oil Company, W. S. Rowland No. 1, section 15-17-14, at 3,297 feet, salt water and abandoned; Pure Oil Company, E. F. Gregory B-2, section 10-17-14, at 3,298 feet, salt water, abandoned; J. M. Gregory No. 3, section 11-17-14, at 3,216 feet, 340 barrels; W. E. Gregory No. 3, section 15-17-14, at 3,305 feet, dry and abandoned; Taylor No. 1, section 10-17-14, at 3,259 feet, salt water and abandoned.

WEEKLY REVIEW OF THE OIL INDUSTRY

Initial Production in Two States Shows Gain of 2,777 Barrels.

Special to the Gazette. Shreveport, La., July 21.—While volume of initial production in North

Louisiana and south Arkansas showed a slight decline the number of new wells in the two states showed a gain of one hundred per cent during the last week, eight producers adding 2,777 barrels of new production.

Drilling in the Rainbow City field of Union county, Arkansas, continues with unabated zeal despite the fact that for the last three weeks failures have numbered more than producers. The last week was no exception, four producers, one gasser, one regauge and six failures being recorded in that area during the week.

The most interesting well in the field was Marr and Hoosier's Hicks No. 1 in section 3-17-14 which was completed at 3,242 feet as a 452-barrel producer. This well is a slight northwestern extension to the original Rainbow City pool in section 1-17-14 being northwest of a line from the original pool to the center of activity in sections 10-11 and 15-17-14.

Root Refineries' Jerry No. 1 in section 21-17-14 half way between the old El Dorado east field and the new Rainbow field completed several weeks ago has been regauged at 175 barrels daily. The well is flowing 400 barrels of fluid approximately half being salt water. Total depth is 2,800 feet with three feet of sand.

While the bulk of the new production in the two states area was in Rainbow city other fields showed signs of renewed activity, the old Smackover field adding two small wells, one a 40-barrel pumper and the other good for 25 barrels.

In Louisiana the Pleasant Hill district in Sabine parish which once gave great promise but later lapsed into a semi-dormant field, broke into the completions column again with a 175-barrel producer. The only other producer in Louisiana was a 60-barrel well in the Little Creek district of Grant parish, which in reality, is an extension of the Urania pool in LaSalle parish.

While two Trinity sand tests in the deep pay of Cotton Valley held some interest for the oil fraternity the deep field in Webster parish was only able to add a three million foot gasser to the official list of completions. This was Humble Oil and Refining Company's Webb No. 2 in section 14-21-10 completed at exactly 4,800 feet. This is in the same section with the Ohio Oil Company's two gushers in that field, the Nos. 38 and 39 Bodcaw. The Ohio's Nos. 40 and 41 Bodcaw in the same section were being tested during the week and the No. 41 gave some promise of being a producer around 4,750 feet.

Besides the eight producers added in the two states the last week also recorded five gassers and seven failures as compared to four producers, three gassers and six failures the preceding seven-day period.

A rally in the new Rainbow City field during the week ending caused the daily average oil production in North Louisiana and south Arkansas to show a gain of 183 barrels raising the average for the two states to 130,737 barrels. The rise in Rainbow City was 920 barrels, the last week's average in that district reaching 20,775 barrels.

Stephens Field Drops.

Louisiana fields recorded a decline of 324 barrels sinking to 40,585 barrels. Smackover, Ark., heavy oil declined 413 barrels to 57,822 barrels. Stephens, Ark., which has been decreasing for several months dropped below 1,000 barrels daily for the first time since early after its discovery. The gain in Rainbow City however, gave Arkansas a net gain of 507 barrels, the average for the last week reached 90,152 barrels.

Figures for the last two weeks by districts follows in barrels:

Louisiana	July 18	July 11
Caddo, light	9,275	9,480
Caddo, heavy	3,080	3,110
Red River-DeSoto-Sabine	5,045	5,084
Homer	3,975	4,120
Haynesville	5,840	5,985
Cotton Valley	5,035	4,960
Bellevue	800	725
Urania	6,950	6,905
Little Creek	585	560
Total Louisiana	40,385	40,909
Arkansas		
Rainbow City-El Dorado	20,775	19,855
Smackover, light	7,385	7,410
Smackover, heavy	57,822	58,235
Lisbon	1,875	1,830
Nevada county	1,300	1,315
Stephens	995	1,000
Total Arkansas	90,152	89,645

Drilling permits in Louisiana for the week ending July 18 showed a gain of one over the week ending July 11, according to the weekly list of permits issued by the Minerals Division of the State Conservation Commission. Twelve new wells were authorized last week as compared to eleven authorized the week before.

Cameron parish in southwestern Louisiana led the list with five new wells authorized in that area. Bossier parish where are located two gas fields and one oil field, was next with two new wells.

Tunica Petroleum Company which is making considerable exploration in the White Sulphur area of LaSalle parish where this company has completed several small producers around 700 to 800 feet has secured permit to abandon its No. 44 L. & A. Oil Company, its most recent test there and located in section 16-7-2E and has secured a drilling permit for No. 45 L. & A. Oil Co. in section 20-7-2E.

Besides the parishes already mentioned drilling permits during the week were issued for the following parishes: Caddo, one; Grant, one; Morehouse,

one; Red River, one; Calcasieu and Webster each accounted for one permit each to deepen former tests. Besides the drilling and deepening permits the last week also accounted for 12 permits to abandon and two to abandon temporarily. Four of the abandonments are in Caddo parish, two of them in the Pine Island area. The week before had accounted for ten permits to abandon and one to whip out.

WEEKLY REVIEW OF THE OIL INDUSTRY

Activities in Both Louisiana and Arkansas Reach 'Boom' Proportions.

Special to the Gazette. Shreveport, La., July 28.—No one familiar with the usual midsummer slump in oil and gas activity in the north Louisiana-south Arkansas territory would judge that this is the last of July to study the last week's activity as reflected in the list of completions in the two states. The list is one of the longest recorded since the boom days of Smackover and Urania fields.

Nor is the activity confined for the most part to the new Rainbow City field which has been in the throes of a "boom" for several weeks, but is reflected in various other districts, including Louisiana fields.

The last week accounted for 10 producers, nine gassers and seven failures. While the producers added only 1,336 barrels the week before with eight producers had added 2,777 barrels. The preceding seven days had also recorded five gassers and seven failures.

Rainbow City continued active during the week, but recorded no huge wells. O. W. Estes' Rowland No. 3, in section 14-17-14 of that field was completed to eight feet of sand at 2,768 feet, as a 25,000,000-foot gasser, with a spray of oil. This is considerably higher than other wells in that section. E. M. Jones' A. W. Perdue, in section 34-16-14, between the old El Dorado East field and Rainbow City, was a failure, being dry at 3,392 feet. A similar fate befell the Root Refineries' J. M. Gregory No. 1, in section 15-17-14, except that it was salt water at 3,207 feet.

Despite the failures there Rainbow City accounted for seven of the two states' 10 wells for the week and one of its nine gassers.

Probably the most interesting development in Louisiana during the week was Palmer Corporation's McDade No. 1 in section 13-17-12, Elm Grove district of Bossier parish added as a 48,000,000-foot gasser at 965 feet. Other gassers have been added that high, but none so large in that field which has two producing levels.

The Trinity sand horizon in Cotton Valley, Webster parish, where two gushers have been obtained, continued to elude the production column again, the best that horizon in that field could do being to add a 4,000,000-foot gasser for Humble Oil and Refining Company in its Davis No. 6, in section

14-21-10, at a total depth of 4,700 feet.

A 4,600-foot wildcat test practically at the gates of Shreveport in Caddo parish, resulted in failure when Empire Gas and Fuel Corporation tested dry and abandoned its H. Nicholson, in section 33-17-14.

Richland parish, comparatively dormant, after an 18-month drilling spurt, broke back into the gas list with a 50,000,000-foot gasser in S. D. Hunter's C. G. Pardue No. 1, in section 21-16-6E, at 2,440 feet.

Daily average oil production in north Louisiana and south Arkansas for the second consecutive week showed an upward trend mounting to 1,154 barrels to 131,891 barrels. Rainbow City gained 555 barrels, increasing to 21,330 barrels.

Louisiana showed some improvement for the week, rising 161 barrels to a level of 40,746 barrels. The gain in Arkansas aggregated 1,013 barrels, going to a level of 91,145 barrels. Smackover, heavy, which is still the largest producing area in the two states, rose 348 barrels during the week to an average of 58,170 barrels.

Figures by districts for the last two weeks follow in barrels:

Louisiana	July 25	July 18
Caddo, light	9,520	9,275
Caddo, heavy	3,075	3,080
Red River-De Soto-		
Sabine	5,100	5,045
Homer	4,110	3,975
Haynesville	5,801	5,840
Cotton Valley	4,920	5,035
Bellevue	805	800
Urania	6,870	6,950
Little Creek	545	585
Total Louisiana	40,746	40,585
Arkansas		
El Dorado-Rainbow		
City	21,330	20,775
Smackover, light	7,540	7,385
Smackover, heavy	58,170	57,822
Lisbon	1,855	1,875
Stephens	1,005	995
Nevada county	1,245	1,300
Total Arkansas	91,145	90,152

Drilling activity in Louisiana show-

ed a big spurt during the week, 20 new wells being authorized for the week, as compared to 12 authorized the preceding week, according to the figures of the Minerals Division of the State Conservation Commission.

Wingfield and Carter of El Dorado have started a drilling campaign in Union parish, a portion of which is already in the Monroe gas field, and where several years ago in the northern portion was uncovered several small producing oil wells, the permits list reveals. During the week just closed this firm secured six drilling permits in Union parish, all being in sections 6 and 7-23-1E. This caused Union to lead all other parishes of the state in number of new wells. Bossier parish was second in number of new wells authorized for the week, with three drilling permits.

Other parishes to have new tests are: Caddo, 1; DeSoto, 1; LaSalle, 1; Livingston, 1; Morehouse, 2; Richland, 1; St. Martin, 1; Tangipahoa, 1; Webster, 1, and Winn, 1.

Besides the 20 new wells authorized the last week also accounted for 15 permits to abandon, 13 of them being in the Bellevue shallow field of Bossier parish. The week before had accounted for two permits to deepen, two to abandon temporarily, and 12 to abandon, besides the 12 new drilling permits. The entire 13 wells to be abandoned in Bellevue this week are owned by the Humble Oil and Refining Company.

To meet a prospective deficit of \$15,000,000, the Australian federal government has been considering the levying of an income tax in investments outside Australia.

WEEKLY REVIEW OF THE OIL INDUSTRY

34 Completions Reported in Arkansas, Louisiana and Texas Fields.

Special to the Gazette. Aug 5, 1928

Shreveport, La., Aug. 4.—Thirty-four completions in north Louisiana, south Arkansas and east Texas in proven, wildcat and semi-wildcat territory this week make things resemble the lively days of four and five years ago when the third Smackover boom was at its height.

Champagnolle, or Rainbow City area of Union county, Ark., and the Cotton Valley and Spring Hill—Shongaloo gas districts of Webster parish remained the most active areas with Cotton Valley continuing to duplicate Pine Island in its failure to live up to early expectations. The prospective East Carroll parish gas field developed another failure and efforts to realize on the promise of production in Morehouse parish were still without results.

The 34 completions resulted in a net of 17 failures, most of them in the Champagnolle proven and wildcat stuff, seven gas wells with 19,269,000 feet initial open flow and 10 producers with an initial 3,223 bbls. Scattered "high" in Champagnolle were confirmed and slightly extended by some of these wells while other successes might be regarded as the first of additional such highly localized pools.

In Cotton Valley Ohio Oil Company's Nos. 40 and 41 Bodcaw in Section 15-21-10 were doubly disappointing in that they were gas wells to begin with and small ones—less than 1,000,000 feet open flow—in the second place. Cotton Valley Trinity stuff is another Pine Island in that it is not living up to expectations warranted by the performance of the discovery well.

Good Well Reported. The Little River (Grant parish) end of Urania field in LaSalle parish reported one of the best wells it has had since it was discovered two or three years ago with Swope and others completed No. 6 Fee in section 17-9-1 as a 50 barrel pumper at a total depth of 1,608 feet, but the same operators' No. 3 on the same lease in Section 18 was abandoned at 1,607 feet.

Woodley Petroleum Co. abandoned No. 1 Garden Homes in section 4-19-12 East Carroll parish as a dry hole at 2,935 feet. Hollifield & McFarlane's No. 1 McCain in section 4-7-4; T. H. Barton et al No. 1 Doss in 16-17-14; E. M. Jones No. 1 Wells in 21-17-14;

Oil well Corporation No. C-2 Perdue in 9-17-14 were dry holes in Champagnolle wildcat territory. Oilwell Corporation's No. C-1 Perdue in 9-17-14 and Root Refineries No. 1 Doss in 16-17-14, were successful wells.

In proven territory of the newest Arkansas pool Magna Producing Co. No. B-2 Rowland, section 14-17-14; Oilwell Corporation's No. 1-A Perdue in 10-17-14; Pure Oil Co. No. 7 Gregory in 10-

Sligo district of Bossier parish a 2,500,000 foot capacity gas well in Sligo Syndicate's No. 1 Carmanche in Section 15-17-12. Magnolia Petroleum Company's No. 3 Furrh in Section 28-18-16 was a Caddo parish failure. Tunica Petroleum Company abandoned No. 45 L. & A. in section 20-7-2e LaSalle parish as a dry hole at 900 feet. Southern Carbon Company abandoned No. 1 Tensas in section 22-21-4 Morehouse parish while the Ouachita parish section of the field had a small gasser in Ouachita Natural Gas Company's No. 1 Potts in-section 33-19-3.

Cotton Valley Completions.

In Cotton Valley Trinity stuff Louisiana Oil Refining Company's No. 4 Lindsey in section 22-21-10 and Ohio Oil Company's No. 40 and 41 Bobcaw in Section 15-21-10 all were completed as gas wells with less than 1,000,000 cubic feet initial open flow each. Magnolia Petroleum Company abandoned No. 1 Wise in 30-23-9 Shongaloo district as a salt water hole and Northwest Louisiana Gas Company's No. 1 Boone-Wheeler in Section 35-23-11, Spring Hill district made 13,000,000 feet initial open flow after being deepened.

Drilling activity, which showed an unusually fine spurt during the week ended July 25 when permits were issued for 20 new wells to be drilled, continued to be encouraging during the week ended August 2, as shown by the official drilling record. A total of 19 permits were issued during the week, seven for abandonments, ten for new wells to be drilled, one for deepening and one to shoot.

Cameron parish, in South Louisiana, had more permits than any other parish, four all told, one to abandon and three for drilling. Bossier parish had two permits, one to temporarily abandon the Louisiana Petroleum corporation Farrington No. 1 in 25-23-12, and one to drill, the Ed Webb well of the Palmer corporation of Louisiana in 23-17-12.

Caddo parish had one abandonment permit, the Magnolia petroleum company's J. W. Furrh No. 3 in 2-18-16; LaSalle parish one permit to abandon, the Tunica Petroleum Company's L. & A. Oil Company No. 45 in 20-7-2;

and Webster parish also had a permit to abandon, the Magnolia Petroleum company's Mary Wise No. 1 in 30-23-9; the Webster permit to shoot was for the Woodley Petroleum company's Allison-Lewis & Derryberry No. 1 in 15-21-10.

In East Carroll, where interesting operations have been going on lately, the Palmer Corporation of Louisiana received a permit to drill Carroll Land Company No. 1 in 21-19-11.

Other parishes, all in south Louisiana, in which permits were had are: Ascension, Calcasieu, Cameron, Iberia, St. Martin, La Fourche and Vermilion.

Louisiana Production.

Daily average oil production for the week is as follows:

	This week	Last week
Caddo (light)	9,660	9,320
Caddo (heavy)	3,075	3,075
Red River-DeSoto	5,560	5,100
Homer	4,030	4,110
Haynesville	5,770	5,801
Cotton Valley	4,590	4,920
Belleveue	840	805
Urania	6,820	6,870
Little Creek	565	545
Total	40,910	40,746
Arkansas.		
El Dorado Rainbow	20,041	21,330
Smackover (light)	7,465	7,540
Smackover (heavy)	57,890	58,170
Lisbon	1,855	1,965
Stephens	1,020	1,005
Nevada	1,230	1,245
	89,611	91,145
Grand Total	130,521	131,891

WEEKLY REVIEW OF THE OIL INDUSTRY

Increase Shown in Louisiana Drilling Operations With 26 Permits.

Special to the Gazette. Shreveport La., Aug. 10.—The week just ended saw an increase in drilling operations in Louisiana, as revealed by official reports by the mineral division of the State Conservation Department. There were 26 drilling permits issued during the week, compared with 19 issued during the week ended August 2. The same number of permits to drill, 10, was issued each week, but there were 14 for abandonments the last week, compared with seven abandonment permits the preceding week. Two permits to deepen were issued last week, against one such permit the week before, when also there was one permit to shoot against none for that activity the week just ended.

Of the drilling permits the week just closed a majority, 14, were in south Louisiana parishes as follows: Four for abandonments and two to drill in Acadia parish; two to drill in Evangeline one each to drill in St. Tammany, St. Martin, St. Landry and Ascension. There was one to abandon in Cameron, in the extreme southwestern edge of the state, and one to temporarily abandon in Evangeline.

North Louisiana parishes received 12 permits for drilling activities, several of them being for activities in northeastern areas where new operations are under way this summer. There was one permit to abandon in Bossier parish,

three to abandon in Claiborne parish, one each to abandon in Jefferson Davis, LaSalle, Franklin and Madison, with one each to drill in Richland, Madison and one to be deepened in Caddo, the Caddo well being Arthur Tubbs' Ben Hymes, in 16-14-16. Webster also had a permit to deepen, being the Magnolia Petroleum Company's J. R. Baker No. 2 in 35-23-11.

The average production in north Louisiana-Arkansas for the week by districts were, as compared to the previous week, as follows:

	Aug. 2.	Aug. 9.
Louisiana.		
Caddo, light	9,560	9,660
Caddo, heavy	3,105	3,075
Red River and DeSoto	5,145	5,560
Little Creek	590	565
Cotton Valley	4,550	4,590
Haynesville	5,860	5,770
Homer	4,005	4,030
Urania	6,810	6,820
Belleveue	820	840
Arkansas.		
Total Louisiana	40,425	40,910
El Dorado	19,010	20,041
Smackover, heavy	57,850	57,890
Smackover, light	7,485	7,465
Lisbon	1,895	1,855
Nevada	1,210	1,230
Stephens	1,020	1,020
Total Arkansas	88,470	89,611
Grand total	128,895	130,521

WEEKLY REVIEW OF THE OIL INDUSTRY

Trinity Sand Development in Cotton Valley Holds Oil Spotlight.

Special to the Gazette. Shreveport, La., Aug. 17.—Although the Rainbow City field in Union county, Ark., continued to hold top place in drilling activity, the Trinity sand development in the Cotton Valley area of Webster parish, La., was the outstanding feature of the last week in the oil and gas territory of North Louisiana and south Arkansas.

There were eleven completions in Rainbow City during the week, of which two were producers, two gassers and the remainder were failures. The two producers added 291 barrels to the total yield.

Cotton Valley's deep horizon held the spotlight for the week with two large Trinity sand gassers below the 4,600 foot level, one good for forty million feet daily and the other thirty five million, and one gusher of 140 barrel capacity from the deep horizon.

Initial production showed considerable improvement in the tri-state area over the week before. The week just closed accounted for five producers, seven gassers and ten failures as compared to three producers nine gassers and nine failures. The five producers the last week added 486 barrels as compared to 205 barrels from three producers the preceding seven-day period.

But Cotton Valley was not the only Webster parish field to attract interest during the last week. The eastern edge of the Spring Hill-Sarepta field, in an undeveloped strip between that field and the old Haynesville oil field in Claiborne parish, added two gassers during the week each, making eight million cubic feet. An oil well which was put on the beam was completed in that area several weeks ago.

Meanwhile R. O. Roy's wildcat gasser in DeSoto parish, ten miles from nearest production, which was completed as a forty million foot gasser and then closed in remains in that condition.

Fourteen new wells were authorized in the oil and gas territory of Louisiana during the last week by the minerals division of the state conservation commission. It is revealed in the weekly list of drilling permits. The week before showed 26 drilling permits.

Calcasieu parish in southwest Louisiana led in number of new wells with five authorized during the week. Bossier parish in North Louisiana was next with two new wells authorized.

Besides these two parishes others having new wells authorized were: Acadia parish, one; Caddo parish, one; Cameron parish, one; DeSoto parish, one; Iberia parish, one; LaSalle parish, one; and Morehouse parish, one.

As the drilling permits for the last week showed a sharp decline from the level of the week before so also did the permits to abandon, there being only seven abandonments during the last seven days as compared to fourteen the preceding week. There was also one permit during the last week

to abandon a well temporarily. This was for Woodley Petroleum company's Garden Home Company No. 1 in section 4-19-12E, a wildcat in East Carroll parish.

Four of the seven abandonments were in Claiborne parishes in the old Homer and Haynesville fields. Two of the abandonments were in the Cotton Valley field of Webster parish.

On the whole the permits list for the last week is regarded as highly satisfactory in view of the excessive heat experienced and the usual summer recession in activity.

Daily average oil production in North Louisiana and south Arkansas showed a drop of 1,434 barrels for the week ending August 15, the average for the last week being 127,461 barrels.

Already several new locations have been made for more tests in the vicinity, C. E. Murdock and associates, large operators in the Rainbow City field has made location for Union Saw Mills Company, Nos. 1 and 2 in the northwest quarter of the southwest quarter of the section.

Taken as a whole Rainbow City showed four producers and five failures during the week, the only other producers in the tri-state territory being a 20-barrel pumper in Stephens (Ouachita county) and a 150 barrel producer in the Uralia field of LaSalle parish, La.

Figures for the last two weeks by districts follows (in barrels):

	August 15	August 7.
Caddo, light	9,295	9,580
Caddo, heavy	3,070	3,105
Red River-DeSoto		
Sabine	5,040	5,145
Homer	4,000	4,005
Haynesville	5,730	5,860
Cotton Valley	4,510	4,550
Belleveue	815	820
Urania	6,790	6,810
Little Creek	515	590
Total Louisiana	39,765	40,425

	Arkansas.
El Dorado-Rainbow	
City	18,120
Smackover, light	7,316
Smackover, heavy	57,850
Lisbon	1,805
Stephens	1,010
Nevada county	1,195
Total Arkansas	87,696
Total both states	127,461
Decline	1,434 barrels

Completions for the week were as follows:

Louisiana. Caddo parish (Pine Island)—Dixie Oil Company (Standard of Indiana), Dillon Heirs No. 94, section 14-21-15 at 1,714 feet, 25 barrels pumping.

Webster parish (Cotton Valley)—Humble Oil Refining Company, R. R. Cox No. 3, section 22-21-10, at 4,640 feet, 35 million feet gas; Magnolia Petroleum Company, Aarnes Cox No. 3, section 22-21-10, at 4,663 feet, 40 million feet gas; Woodley Petroleum Company, Lewis No. 1, section 15-21-10, at 4,697 feet, 4,000,000 feet gas, 140 barrels oil following.

Webster parish (Spring Hill-Sarepta)—Bruce Richardson, C. O. Bailey No. 1, section 29-23-9, at 2,754 feet, 8,000,000 feet gas; Bethany Oil and Gas Company, O'Brien No. 1, section 31-23-9, at 2,65 feet, 8,000,000 feet gas.

East Texas. Panola county (Bethany)—Magnolia Petroleum Company, Ella Baker No. 4, in the B. C. Jordan headright survey, at 985 feet, 2,000,000 feet gas.

Shelby county—Chaparral Oil Company, Holt No. 1, Matthew Moore headright survey, at 2,98 feet, junked and abandoned.

Arkansas. Smackover (Union county)—Humble Oil Refining Company, Latark Fee No. 1, section 8-16-15, at 1,965 feet, 30 barrels pumping; W. R. Keever, Ezzell A-6, section 12-17-15, at 2,136 feet, salt water, abandoned.

Rainbow City (Union county)—J. E. Crosbie, H. N. Brown No. 1, section

8-17-14, at 3,354 feet, dry, abandoned; O. W. Estes, Royland No. 2, section 14-17-14, at 3,368 feet, salt water, abandoned; Garrett-Modisette Drilling Company, Pyron No. 1, section 21-17-14, at 3,059 feet, dry and abandoned; Hollyfield & McFarlane, Kelly No. 1, section 9-17-14, at 3,223 feet, 200 barrels flowing through casing; Lion Oil and Refining Company, Howland No. 4, section 15-17-14, at 2,730 feet, junked and abandoned; Sinclair No. 4, section 16-17-14, at 2,768 feet, 20,000,000 feet gas; Magnolia Petroleum Company, Gregory No. 1, section 15-17-14, at 2,852 feet, 48,000,000 feet gas; Oilwell Corporation, Ezzbell No. 2, section 3-17-14, at 3,283 feet, salt water and abandoned; W. H. Perdue No. B-2, section 10-17-14, 3,300 feet, salt water and abandoned; Skelly Oil, W. H. Perdue Uo. 4, section 10-17-14, at 3,267 feet, 91 barrels pumping; W. H. Perdue No. 5, section 10-17-14, at 3,363 feet, salt water and abandoned.

Ouachita County (Calhoun)—Frank B Wood, trustee, Spahr No. 3, section 35-15-16, at 2,418 feet, dry and abandoned.

WEEKLY REVIEW OF THE OIL INDUSTRY

Rainbow City Field Remains in Limelight of Arkansas-Louisiana Sector.

Special to the Gazette. Shreveport, La., August 25.—Interest in the North Louisiana-South Arkansas-East Texas oil and gas territory the last week was centered in the eastern edge or rather the extreme northeastern edge of the Rainbow City field of Union county, Ark. The new era is in section 6-17-13 in the section immediately to the east of the discovery well of the new field which was uncovered in section 1-17-14 with the center of production subsequently shifting to sections 10 and 11-17-14.

The Ohio Oil Company's No. 2, completed at 2,990 feet and gauged at 1,210 barrels, and the Light Oil Refining Company's Union Sawmill Co. No. 1, brought in at 3,059 feet, making three million feet of gas and 207 barrels of oil, are the two wells exciting the interest in the new northeastern edge area. Other small wells had been completed in section 6-17-13, but none of the capacity of these two latest additions there.

Already several new locations have been made for more tests in the vicinity, C. E. Murdock and associates, large operators in the Rainbow City field has made location for Union Saw Mills Company, Nos. 1 and 2 in the northwest quarter of the southwest quarter of the section.

Taken as a whole Rainbow City showed four producers and five failures during the week, the only other producers in the tri-state territory being a 20-barrel pumper in Stephens (Ouachita county) and a 150 barrel producer in the Uralia field of LaSalle parish, La.

Rainbow City held the limelight entirely alone the last week. Cotton Valley, which spasmodically looms up as a possible rival for attention failing to register either a producer or a gasser during the week.

The six producers added in the tri-state territory accounted for 1,932 barrels of new yield as compared to five producers with a combined initial yield of 486 barrels the preceding week. The last week also accounted for one gasser and ten failures as compared to seven gassers and ten failures the preceding seven-day period.

Humble Oil and Refining Company's Bodcaw A-24 in section 27-10-1W, Winn parish, which was salt water at 1,480 feet, and Gulf Refining Company's Willie Higginbotham No. 1, in section 42-20-7 E, Morehouse parish, which was a duster at 3,575 feet, were the two most important failures among the wildcat completions.

Completions for the week in Louisiana were as follows:

Bossier parish (Reisor)—H. S. Goodwin, trustee, McDade No. 1, section 36-17-13, 2,170 feet, dry and abandoned.

Bossier parish (Elm Grove)—Palmer Corporation, Webb No. 1, section 23-17-12, at 858 feet, 20 million feet of gas.

Winn parish (Moore Station)—Humble O. & R. Co., Bodcaw, A-24, section 27-10-1W, at 1,460 feet, salt water, abandoned.

Morehouse parish (Mer Rouge)—Gulf Refining Company, Willie Higginbotham No. 1, section 42-20-7E, at 3,575 feet, dry, abandoned.

Morehouse parish (Oak Ridge)—Elbert Petroleum Co., Morehouse Planting Co., No. 1, section 40-19-7E, at 2,732 feet, junked and abandoned.

Richland parish (Boughton)—Bouef River Petroleum Company, Sartor No. 1, section 9-15-6E, at 2,494 feet, salt water and abandoned.

LaSalle parish (Urania)—H. L. Hunt, Urania B-6, section 7-10-2E, at 1,530 feet, 150 barrels, pumping.

Daily average oil production in North Louisiana and South Arkansas continued on the toboggan for the week, dropping 926 barrels to an average of 126,535 barrels. There were recessions in both states, Louisiana falling 206 barrels to 39,559 barrels and Arkansas dropping 720 barrels to a level of 86,976 barrels. The Rainbow City field showed improvement, rising 665 barrels to 18,785 barrels. This gain, however, was offset by a decline of 1,420 barrels in the output of Smackover, heavy, which went down to 56,830 barrels for the week.

Figures by districts for the last two weeks follows (barrels):

	Aug. 22	Aug. 15
Caddo, light	9,270	9,255
Caddo, heavy	2,985	3,070
Red River-DeSoto		
Sabine	5,015	5,040
Homer	3,920	4,000
Haynesville	5,770	5,730
Cotton Valley	4,529	4,510
Belleveue	915	815
Urania	6,645	6,790
Little Creek	510	515
Total Louisiana	39,559	39,765

	Arkansas.
El-Dorado-Rainbow	
City	18,785
Smackover, light	7,301
Smackover, heavy	56,830
Lisbon	1,805
Stephens	1,050
Nevada county	1,205
Total Arkansas	86,976
Total both states	126,535

Drilling activity in Louisiana showed a 50 per cent increase during the week ending August 22 as compared to the week ending August 15, according to the weekly list of permits issued by the minerals division of the State Conservation Commission. Twenty-one new wells were authorized last week as compared to 14 the week before.

The permits were well-scattered during the week, no parish getting over two new wells and 12 Louisiana parishes being represented in the permits to drill list.

Acadia parish secured one new well, Caddo, two, Cameron, two; DeSoto one;

Iberia, one; Morehouse, two; Ouachita, two; Red River, one; Richland, two; St. Martin, two; Tensas, one; Union, one; and Webster, two.

The two wells authorized in St. Martin were Rycade Oil Corporation's Atchafalaya Fee No. 3 in section 13-9-8E and the same company's Louisiana State No. 2 in the same section. It was this company which several months ago uncovered a 2,500 barrel gusher in this wildcat territory which has resulted in considerable activity there.

W. L. Brock, trustee, has secured drilling permit for his J. T. Curry No. 2 in section 39-11-12, Tensas parish, a wildcat territory, that sprang into the limelight early this year when a gasser was completed there. The same operator secured permit to abandon his J. T. Curry No. 1 in the same section.

Besides the drilling permits the last week also accounted for one permit to sidetrack, one to abandon temporarily and 16 to abandon as compared to seven to abandon the preceding seven day period.

Four of the abandonments were in the old Homer field of Claiborne parish while a similar number of abandonments were in the Urania district of LaSalle parish.

WEEKLY REVIEW OF THE OIL INDUSTRY

Interest in Rainbow City Field Shifts From Northeast to West Sector.

Special to the Gazette. Shreveport, La., Sept. 1.—While the northeastern tip of the Rainbow City field in Union county which has held the limelight for the last two weeks comparatively marked time during the week, the western edge of the field which has not been so encouraging held the interest of operators due to a gigantic gas well on the western extremity of the field and the oil showings in two wells toward the southwestern border of the area. This was the only field in the tri-state area including south Arkansas, north Louisiana and east Texas holding in west.

The northeast part of the field, however, was not entirely devoid of interest for that part of the producing area in section 3-17-14 recorded the largest well in that section of the field in some time when the Oil Well Corporation's Slade No. 5 was completed at 3,251 feet flowing 912 barrels of oil by heads through the casing.

The three western and southwestern border wells that furnished interest in Rainbow City were Reliance Drilling company's Kelly No. 1 in section 9-17-14 completed at 2,806 feet as a 50-000,000 foot gasser, although it did not get in the official completions list for lack of a gauge; the showing of oil in the Sun company's Schmidt No. 2 in section 16-17-14 which was reported to be flowing around 200 barrels of oil by heads from 2,875 feet; and the Root Refineries' Mullins No. 1 in section 21-17-14 in which liner was set at 2,828 feet and 500 feet of oil and mud and 700 feet of salt water was reported standing in the hole. This latter well is an offset to the Root Refineries' Jerry No. 1 in the same section which is a midway connecting link between the old El Dorado East field and the new Rainbow City area.

Louisiana almost missed the completions' column entirely for the week, the only completion in this state being a failure in Pine Island, Caddo parish, where Dixie Oil company tested salt water in its Robertshaw No. 22 in section 23-21-10 and the well was abandoned at 4,420 feet.

The East Texas border counties furnished five gas wells, four of them in the Bethany gas area of Panola county and one being on the Harrison county side of the Waskom gas field.

Johnson County, Arkansas, recorded a small gasser and one failure during the week and a wildcat in Drew county, McClintock & Goedka's Ogle No. 1 in section 35-13-5, was junked and abandoned at 2,620 feet. The Stephens area in Columbia county added a small gasser.

The balance of the activity aside from a failure in Smackover and in the Upland district of Union county, Ark., was in Rainbow City.

Arkansas' newest and most active field showed considerable improvement during the week over the preceding seven-day period. Of the nine wells completed in Rainbow City five were producers. Their combined initial yield, which also represents the total new initial production for the North Louisiana-south Arkansas territory for the week, was 1,527 barrels as compared to 1,932 barrels from six wells the preceding week, only four of which were in Rainbow City. Besides the five producers the last week's total of new gassers was seven as compared to one the preceding seven-day period. There were ten failures the last week, the same number as recorded the preceding period.

Completions for the week were as follows:

Louisiana. Caddo parish (Pine Island)—Magnolia Petroleum Co., Robertshaw No. 22, section 23-21-10, at 4,420 feet, salt water abandoned.

Harrison county (Waskom)—Nichols et al., M. R. Akin No. 1, Dougherty headright survey at 2,308 feet, dry abandoned. Nick Barbare, Furrh No. 5, J. Short headright survey, at 2,381 feet, one million feet gas.

Panola county (Bethany)—Arkansas Natural Gas Co., Burns No. 2, Birdsong headright survey, at 1,023 feet, salt water abandoned; D. Thomason, Crenshaw No. 8, B. C. Jordan headright survey at 961 feet, five and half million feet gas; Crenshaw No. 9, B. C. Jordan headright survey, at 944 feet, four and half million feet of gas; S. H. Gardner et al., G. E. Brumblor No. 3, B. C. Jordan headright survey at 964 feet, three million feet gas; Texas company, Brumble No. 5, John Womack headright survey, at 980 feet, two million feet gas.

Johnson county (Sparta)—Arkansas Natural Gas Co., W. C. Hudson No. 1, section 14-10N-24W, at 1,085 feet, four million feet gas.

Drew county (Dean)—McClintock & Goedka, Ogle No. 1, section 35-13-5 at 2,620 feet, junked abandoned.

Columbia county (Stephens)—Autrey Oil Co., Nat Martin B-2, section 6-14-20, at 1,168 feet, one million feet gas.

Union county (Rainbow City)—Magna Production Co., Townsend No. 7, section 10-17-14, at 3,240 feet, 100 barrels pumping; C. E. Murdock et al., Dumas No. 2, section 11-17-14, at 3,212 feet, 100 barrels; Dumas No. 3, section 11-17-14, at 3,161 feet, 300 barrels flowing; Oilwell Corporation, W. H. Perdue B-1, section 10-17-14 at 3,293 feet, dry and abandoned; Slade No. 5, section 3-17-14, at 3,251 feet, 912 barrels flowing by heads; Patterson & Neighbors, D. E. Barnett No. 1, section 33-17-14, at 3,350 feet, dry and abandoned; Pure Oil Co., E. F. Gregory B-1, section 10-17-14 at 3,888 feet, dry and abandoned; Rovenger Oil Corporation, W. H. Perdue No. 3, section 10-17-14 at 3,273 feet, salt water and abandoned; Rushing et al., Gregory No. 3, section 11-17-14 at 3,225 feet, 115 barrels pumping.

Union county (Smackover)—Imperial Oil & Gas Company, Central Bank No. 1, section 1-17-15 at 3,401 feet, dry abandoned.

Union county (Upland)—Marr & Hoosier, Horton No. 1, section 12-18-15 at 3,508 feet, dry and abandoned.

An increase of 1,035 barrels in the daily yield of Rainbow City gave the North Louisiana and South Arkansas oil territory a net gain of 473 barrels for the week ending August 29, the average for the two states being 127,007 barrels. The average for the week in Rainbow City was 19,320 barrels for the last week.

Arkansas' net gain of 720 barrels, the yield in that state rising to 87,695 barrels was offset by a drop of 247 barrels in Louisiana, the average in the latter state falling to 39,312 barrels. Arkansas' largest field, heavy Smackover, dropped 345 barrels to 56,485 barrels.

Figures for the last two weeks by districts follows (in barrels):

Louisiana.		Aug. 29	Aug. 22
Caddo, light	9,290	9,270	
Caddo, heavy	2,860	2,986	
Red River-DeSoto			
Sabine	4,910	5,016	
Homer	3,925	3,920	
Haynesville	5,785	5,770	
Cotton Valley	4,540	4,529	
Bellevue	805	915	
Urania	6,692	6,645	
Little Creek	505	510	
Total Louisiana	39,312	39,559	
Arkansas.		Aug. 29	Aug. 22
El Dorado	19,820	18,785	
Smackover, light	7,480	7,301	
Smackover, heavy	56,485	56,830	
Lisbon	1,770	1,835	
Stephens	1,015	1,050	
Nevada county	1,125	1,205	

Arkansas Daily Average Crude Decrease Reported.

New York, Aug. 7.—(AP)—The daily average gross crude oil production in the United States increased 17,900 barrels for the week ended August 4, totaling 2,404,150 barrels, says the weekly summary of the American Petroleum Institute. The daily average production east of California was 1,762,150 barrels, an increase of 18,400 barrels.

Daily average production and difference in barrels follows:

Arkansas, 87,500, decrease, 1,250; Oklahoma, 592,150, increase, 2,350; Kansas, 103,000, increase, 400; Panhandle, Texas, 63,750, increase, 1,050; North Texas, 92,550, increase, 1,250; West Central Texas, 55,700, decrease, 550; West Texas, 351,550, increase, 13,050; East Central Texas, 21,150, increase, 100; Southwest Texas, 25,350, increase, 300; North Louisiana, 41,000, decrease, 1,150; Coastal Texas, 105,300, increase, 550; Coastal Louisiana, 28,200, increase, 1,450; Eastern, 113,500, decrease, 500; Wyoming, 60,300, increase, 1,100; Montana, 10,050, decrease, 50; Colorado, 3,250, increase, 350; New Mexico, 2,850, increase, 150; California, 642,000, decrease, 500.

Daily average imports of petroleum at principal ports for July, totaled 244,194 barrels, compared with 237,534 for June, and for the week ended August 4, daily average imports were 269,715 barrels, compared with 233,428 for the previous week. Daily average receipts of California oil at Atlantic and Gulf coast ports for July totaled 54,571, compared with 66,567 for June, and for the week ended August 4, daily average California receipts were 79,429 barrels, compared with 34,143 for the previous week.

Arkansas Crude Increases in Week of Decreases.

New York, Aug. 14.—(AP)—The daily average gross crude oil production in the United States decreased 14,950 barrels for the week ended August 11, totaling 2,389,200 barrels, says the Weekly Summary of the American Petroleum Institute today. The daily average production east of California was 1,752,500 barrels, a decrease of 9,650 barrels.

The daily average production and difference in barrels, follows: Arkansas 87,900, increase 400; Oklahoma 604,000, increase 12,450; Kansas 102,750, decrease 2,050; Panhandle Texas 61,700, decrease 2,050; north Texas 94,850, increase 2,300; west central Texas 55,450, decrease 250; west Texas 333,600, decrease 17,950; east central Texas 21,100, decrease 50; southwest Texas 25,605, increase 300; north Louisiana 40,500, decrease 500; coastal Texas 106,450, increase 1,150; coastal Louisiana 24,150, decrease 4,050; Eastern 113,000, decrease 500; Wyoming 59,750, decrease 550; Montana 10,100, increase 50; Colorado 8,000, decrease 250; New Mexico 2,950, increase 100; California 636,700, increase 5,300 total 2,389,200, decrease 14,950.

Daily average imports of petroleum at principal ports for the week ended August 11 totaled 171,572 barrels compared with 296,000 barrels for the previous week, and 245,714 for the four weeks ended August 11. Daily average receipts of California oil at Atlantic and Gulf coast ports for the week ended August 11 totaled 104,714 barrels compared with 87,286 for the previous week and 83,393 for the four weeks ended August 11.

Increase of 55,300 Barrels in Crude Oil Production.

New York, Aug. 21.—(AP)—The daily average gross crude oil production in the United States increased 55,300 barrels for the week ended August 18, totaling 2,444,500 barrels, says the weekly summary of the American Petroleum Institute. The daily average production east of California was 1,809,100 barrels, an increase of 56,600 barrels.

The daily average production and difference, in barrels, follows: Oklahoma, 661,450, increase, 56,850; Kansas, 102,350, decrease, 400; Panhandle Texas, 63,150, increase, 1,450; North Texas, 93,850, decrease, 1,000; West Central Texas, 55,450; West Texas, 343,950, increase, 10,350; East Central Texas, 20,900, decrease, 200; Southwest Texas, 25,250, decrease, 400; North Louisiana, 40,200, decrease, 300; Arkansas, 87,450, decrease, 450; Coastal Texas, 105,550, decrease, 900; Coastal Louisiana, 24,700, increase, 550; Wyoming, 50,750, decrease, 9,000; Montana, 10,100; Colorado, 7,500, decrease, 500; New Mexico, 3,000, increase, 50; California 635,400, decrease, 1,300; total, 2,444,500, increase, 55,300.

Daily average imports of petroleum at principal ports for the week ended August 18 totaled 246,714 barrels, compared with 194,714 for the previous week, and 242,714 for the four weeks ended August 18. Daily average receipts of California oil at Atlantic and Gulf coast ports for the week ended August 18 totaled 54,571 barrels, compared with 104,714 for the previous week, and 71,035 for the four weeks ended August 18.

Arkansas Oil Output in Gain Past Week.

New York, Aug. 28.—(AP)—The daily average gross crude oil production in the United States increased 32,950 barrels for the week ended August 26, totaling 2,477,450 barrels, says the weekly summary of the American Petroleum Institute. The daily average production east of California was 1,847,050 barrels, an increase of 37,950 barrels.

The daily average production and difference, in barrels, follows: Oklahoma 699,050, Inc. 37,600; Kansas 102,200, Dec. 150; Panhandle Texas 62,700, Dec. 450; North Texas 95,300, Inc. 1,450; West Central Texas 55,300, Dec. 150; West Texas 334,800, Dec. 9,150; East Central Texas 23,000, Inc. 2,100; Southwest Texas 25,450, Inc. 200; North Louisiana 39,800; Dec. 400; Arkansas 8,050, Inc. 600; Coastal Texas 106,050, Inc. 500; Coastal Louisiana 23,300, Dec. 1,400; Eastern 113,500, blank; Wyoming 57,350, Inc. 6,600; Montana 9,850, Dec. 250; Colorado 7,750, Inc. 250; New Mexico 3,600, Inc. 600; California 630,400, Dec. 5,000; total 2,477,450, Inc. 32,950.

Daily average imports of petroleum at principal ports for the week ended August 25 totaled 205,429 barrels compared with 257,857 barrels for the previous week, and 238,500 barrels for the four weeks ended August 25. Daily average receipts of California oil at Atlantic and Gulf ports the week ended July 25 totaled 59,571 barrels compared with 54,571 for the previous week and 76,536 for the four weeks ended August 25.

Crude Production Increase 25,800 Barrels.

New York, Sept. 4.—The daily gross crude oil production in the United States increased 25,800 barrels for the week ended Sept. 1, totaling 2,503,250 barrels, says the weekly summary of the American Petroleum Institute. The daily average production east of California was 1,874,250 barrels, an increase of 27,200 barrels.

Following is daily average production and the difference in barrels: Oklahoma 703,800, increase, 4,750; Kansas 100,850, decrease, 1,350; Panhandle Texas 63,550, increase, 850; North Texas 95,100, decrease, 200; West Central Texas 55,750, increase, 450; West Texas 361,250, increase, 26,450; East Central Texas 25,550, decrease, 450; Southwest Texas 22,550, increase, 100; North Louisiana 39,700, decrease, 100; Arkansas 86,500, decrease, 1,550; Coastal Texas 105,250, decrease, 800; Coastal Louisiana 23,350, increase, 50; Eastern 113,000, decrease, 500; Wyoming 57,200, decrease, 150; Montana 9,850; Colorado 7,400, decrease, 350; New Mexico 3,600; California 629,000, decrease, 1,400; total 2,503,250, increase 25,800.

Daily average imports of petroleum at principal ports for the week ended Sept. 1 totaled 214,286 barrels, compared with 216,143 barrels for the previous week, and 220,750 barrels for the four weeks ended Sept. 1. Daily average receipts of California oil at Atlantic and Gulf coast ports for the week ended Sept. 1 totaled 20,571 barrels, compared with 82,143 barrels for the previous week and 65,500 barrels for the four weeks ended Sept. 1.

WEEKLY REVIEW OF THE OIL INDUSTRY

Rainbow Field Has Big Slump With Only One Gasser During Week.

Shreveport, La., Sept. 8.—Rainbow City which has been the center of interest in the north Louisiana-south Arkansas oil territory for several months, aside from a big gasser completed on the western edge of the field, failed to develop any producing wells during the week just closed. Three other completions in that district were failures.

Not only was Rainbow City's activities at a low ebb but two wildcats in the Lapile district of Union county, Ark., which had given great promise at different times, were listed as failures. These wells are H. L. Hunt's Dopson No. 1 in section 3-19-12 which was dry at 3,307 feet and J. O. Moore's Fagan No. 1 in section 18-18-11 which tested salt water at 3,305 feet. S. D. Hunter's Lytle No. 1 in section 9-19-3, Chicot county, another wildcat, was also a failure during the week being junked and abandoned at 3,128 feet.

An effort to extend the Rainbow City field three and a half miles east of the northeast tip of present production ended in failure during the week. Lyell and associates' Stegall No. 1 in 11-17-13 being dry and abandoned at 3,350 feet. This was one of the three failures in Rainbow City, the other two being Ohio Oil Company's Carroll No. 1 in section 6-17-13 testing salt water at 3,001 feet and the same company's R. A. B. Smith No. 2 in section 1-17-14, a duster at 3,112 feet.

Louisiana More Favorable. Louisiana on the other hand presented a slightly more optimistic picture during the week, four producers adding 250 barrels of new yield, the only initial production in the two states' territory for the seven-day period. Three of these wells were in the Pine Island field of Caddo parish, one being Magnolia Petroleum Company's D. H. Raines No. 26 deepened to the Trinity sand at 3,975 feet being good for a 50-barrel pumper in 15 feet of broken sand.

Besides the four producers, which compared with five producers for the previous week, also accounted for four gassers and six failures as compared to seven gassers and 10 failures registered over the seven preceding days. A total of 467 wells have been started in Louisiana during the first eight months of 1928, according to the total list of permits for that period announced by the Minerals Division of the state Conservation Commission. Fifty-two new wells were authorized during the month of August.

The total of permits for all purposes issued for the first two-thirds of the year by the commission is 904 of which 42 permits were to deepen, 352 to abandon, three to plug and perforate, 33 to abandon temporarily, 10 to sidetrack, four to shoot the casing and three to whipstock.

There were five permits to deepen during August, 43 to abandon, one to sidetrack and four to abandon temporarily, making a total for all purposes of 105 during the month of August.

Drilling permits for the week ending September 5 remained on practically the same level as for the preceding seven days, there being eight drilling permits issued as compared to seven the week before. Bossier parish secured two of the drilling permits and Caddo one. Cameron parish accounted for two drilling permits, DeSoto one, Claiborne one and Richland one. Besides these permits there were one permit to deepen, one to rework and eight to abandon as compared to one to deepen, one to abandon temporarily and three to abandon the preceding week.

A drop of 2,026 barrels in the daily output of the Rainbow City field sent the daily average in the north Louisiana-south Arkansas fields down for the week ending September 5, a decline of 2,828 barrels making the average for the week 124,169 barrels.

Besides the decline in Rainbow City heavy Smackover fell off 340 barrels to an average of 56,145 barrels. The total decline in Arkansas was 2,570 barrels, the average for the last week being 85,115 barrels. Louisiana dropped 258 barrels to 39,054.

Figures for the last two weeks by districts follow in barrels:

Louisiana.		Sept. 5	Aug. 29.
Caddo, light	9,120	9,290	
Caddo, heavy	3,000	2,860	
Red River-DeSoto			
Sabine	4,920	4,910	
Homer	3,840	3,925	
Haynesville	5,780	5,785	
Cotton Valley	4,460	4,540	
Bellevue	790	805	
Urania	6,640	6,692	
Little Creek	504	505	
Total, Louisiana	39,054	39,312	
Arkansas.		Sept. 5	Aug. 29.
Rainbow City-El			
Dorado	17,800	19,820	
Smackover, light	7,325	7,480	
Smackover, heavy	56,145	56,485	
Lisbon	1,730	1,770	
Stephens	1,010	1,015	
Nevada county	1,105	1,125	
Total Arkansas	85,115	87,685	
Total both states	124,169	126,997	

Completions for the week were as follows: Caddo parish (Pine Island)—Tubbs et al. Hines No. 1, section 16-14-16, at 2,730 feet, dry, abandoned. Caddo parish (Waskom)—Magnolia Petroleum Company, J. M. Bryson No. 2, section 8-17-16, at 972 feet, 3,000,000 feet gas.

Bossier parish—D. D. Bruton et al. Albritton & Douglass No. 1, section 1-22-14, at 2,874 feet, dry, abandoned. Webster parish (Cotton Valley)—Louisiana Oil Refining Corporation, Crichton No. 5, in section 21-21-10, at 4,701 feet, 500,000 feet gas.

Webster parish (Sarepta)—Virgil Helm, Mitchell No. 1, section 32-23-9, at 2,705 feet, 2,000,000 feet gas. Richland parish (Lucknow)—Northern Louisiana Gas Company, McCoy B-2, section 17-16-6E, at 2,436 feet, 24,000,000 feet gas. Oliver et al. Hatch Heirs No. 1, at 2,502 feet, dry, abandoned.

Union parish (Monroe)—Natural Gas and Production Company, Hale No. 1, section 5-21-4E, at 2,167 feet, 6,000,000 feet gas. Morehouse parish (Monroe)—J. S. Harkness, Bowles No. 4, section 18-20-5E, at 2,197 feet, five million feet of gas. Richland parish (Lucknow)—S. D. Hunter, McCoy B-2, section 17-16-6E, at 2,435 feet, 24 million feet gas.

Arkansas. Union county (Rainbow City)—Lyell et al., Stegall No. 1, section 11-17-13 at 3,350 feet, dry abandoned; Ohio Oil Company, Carroll No. 1, section 6-17-13 at 3,001 feet, salt water abandoned; R. A. B. Smith No. 2, section 1-17-14, at 3,112 feet, dry abandoned; Reliance Drilling Company, Kelly No. 1, section 9-17-14 at 2,808 feet, 50 million feet gas, 1,120 pounds rock pressure. Union county (Lapile)—H. L. Hunt, Dopson No. 1, section 3-19-12 at 3,307 feet, dry and abandoned; J. O. Moore, Fagan No. 1, section 18-18-11 at 3,305 feet, salt water, abandoned. Chicot county (Andries)—S. D. Hunter, Lytle No. 1, section 9-19-3 at 3-128 feet, junked and abandoned.

WEEKLY REVIEW OF THE OIL INDUSTRY

Rainbow City Field Returns to Production Column After Slump.

Shreveport, La., Sept. 15.—Rainbow City, Union county, Arkansas, which last week drew an absolute blank so far as new producers were concerned, was back in the production column for the week just closed to hold the center of interest in the oil territory of North Louisiana and south Arkansas. Drilling activity being at a comparatively low level, the peak apparently having been reached, in the main producing area of Rainbow City in sections 10 and 11-17-14, interest and drilling activity have shifted to the edge wells on the northeast corner. These portions of the field provided practically all of the new wells in Rainbow City.

In the northeast end of the field adjacent to where the discovery well of the field was uncovered there were added during the week just closed the two chief wells of district, both in section 3-17-14 and both on the Slade lease. The Oil Well Corporation's Slade No. 3 in that section was the best well being completed at 3,246 feet, making 100 barrels. Marr & Hoosier's Slade No. 1 in the same section was completed, making 300 barrels of fluid, 80 per

cent salt water, thus giving that well 60 barrels initial oil production. Shifting to the western edge of the main field (regarding 10 and 11-17-14 as the main field), two edge well gassers in section 16-17-4 hold interest. Lion Oil and Refining Corporation's Sinclair No. 3 was completed at 2,840 feet and gauged at 15,000,000 feet of gas, while in the same section the Sun Company's Schmidt No. 1 was added at 2,783 feet with the same amount of gas. The latter well also is spraying a little oil. The Sun company has completed three wells on the Schmidt lease in that section, all of which attracted considerable interest, the No. 2 being still in the process of being completed, there being considerable salt water with the oil found in the hole.

Besides the two producers on the northwest edge of the northeast tip of the field, E. C. Johnson, Trustee, added his E. F. Gregory No. 1 in section 10-17-14, at 3,263 feet as a 1,000,000-foot gasser with five barrels of oil, the yield coming through tubing and packer.

Besides the three producers in Rainbow City, Nevada county, Arkansas, added a 40-barrel pumper and the old Smackover field a 25-barrel well, the former being Humble Oil and Refining Company's Grove C-4 in section 1-21-14, and the latter being the Little Fay Oil Company's Primm No. 1 in section 24-15-16. Louisiana did not enter the production column, although accounting for two gas wells, one a 500,000-foot Trinity sand gasser in the Cotton Valley field of Webster parish, Louisiana.

Besides the five producers and seven gassers the last week also accounted for two failures as compared to four producers, four gassers and six failures. The five producers added during the week just closed aggregated 230 barrels of new yield while the quartet of wells the preceding week had added 250 barrels.

Completions for the week were as follows: Caddo parish (Pine Island)—Tubbs et al. Hines No. 1, section 16-14-16, at 2,730 feet, dry, abandoned. Caddo parish (Waskom)—Magnolia Petroleum Company, J. M. Bryson No. 2, section 8-17-16, at 972 feet, 3,000,000 feet gas.

Bossier parish—D. D. Bruton et al. Albritton & Douglass No. 1, section 1-22-14, at 2,874 feet, dry, abandoned. Webster parish (Cotton Valley)—Louisiana Oil Refining Corporation, Crichton No. 5, in section 21-21-10, at 4,701 feet, 500,000 feet gas.

Webster parish (Sarepta)—Virgil Helm, Mitchell No. 1, section 32-23-9, at 2,705 feet, 2,000,000 feet gas. Richland parish (Lucknow)—Northern Louisiana Gas Company, McCoy B-2, section 17-16-6E, at 2,436 feet, 24,000,000 feet gas. Oliver et al. Hatch Heirs No. 1, at 2,502 feet, dry, abandoned.

Union parish (Monroe)—Natural Gas and Production Company, Hale No. 1, section 5-21-4E, at 2,167 feet, 6,000,000 feet gas. Morehouse parish (Monroe)—J. S. Harkness, Bowles No. 4, section 18-20-5E, at 2,197 feet, 5,000,000 feet gas.

Arkansas. Nevada county (Irma)—Humble Oil and Refining Company, Groves C-4, section 1-14-21, at 1,132 feet, forty barrels pumping. Union county (Smackover)—Little Fay Oil Co., Primm No. 1, section 24-15-16 at 2,037 feet, 25 barrels pumping.

Union county (Rainbow City)—E. C. Johnson, Trustee, E. F. Gregory No. 1, section 10-17-14, at 3,263 feet, one million feet gas, five barrels oil flowing through tubing and packer; Lion Oil Refining Co., Sinclair No. 3, section 16-17-14 at 2,840 feet, 15 million feet gas; Marr & Hoosier, Slade No. 3, section 3-17-14 at 3,232 feet, 300 barrels 80 per cent salt water; Oil Well Corporation, Slade 1, section 3-17-14 at 3,246 feet, 100 barrels pumping; Sun Company, Schmidt No. 1, section 16-17-14 at 2,783 feet, 15 million feet gas spray oil.

A recession of 1,200 barrels in the daily yield in Rainbow City, and of 1,045 barrels in heavy Smackover sent the average yield per day in the North Louisiana-South Arkansas territory down 3,124 barrels to a level of 121,045 barrels for the week. Rainbow City's average for the last week was 16,600 barrels while heavy Smackover totaled 55,100 barrels. The entire recession was in Arkansas fields as Louisiana rose thirty-six barrels to an average of 39,090 barrels. Arkansas' average for the last week was 81,955 barrels, a drop of 3,160 barrels.

Figures for the last two weeks by districts follows (in barrels):

Louisiana.		Sept. 12	Sept. 5
Caddo, light	9,150	9,120	
Caddo, heavy	3,070	3,000	
Red River-DeSoto			
Sabine	4,890	4,920	
Cotton Valley	4,425	4,460	
Haynesville	5,675	5,780	
Homer	3,890	3,840	
Bellevue	790	790	
Urania	6,640	6,640	
Little Creek	570	504	
Total Louisiana	39,090	39,054	
Arkansas.		Sept. 12	Sept. 5
El Dorado			
Rainbow City	16,600	17,800	
Smackover, light	7,450	7,325	
Smackover, heavy	55,100	56,145	
Lisbon	1,750	1,730	
Nevada county	1,095	1,105	
Stephens	980	1,010	
Total Arkansas			

The minerals division of the State Conservation Commission. Eight new wells had been authorized in the state the preceding seven-day period.

The wells authorized the last week were well distributed over different parishes, the following parishes securing new wells during the period: Acadia, one; Caddo, one; Cameron, one; DeSoto, one; Franklin, one; Iberia, one; LaSalle, one; and Ouachita, one.

WEEKLY REVIEW OF THE OIL INDUSTRY

Activities in South Arkansas-North Louisiana Area Slump.

Special to the Gazette. 9-23-28
Shreveport, La., Sept. 22.—With interest in Rainbow City centered on edge wells and unproven portions of the field between producing sections oil activity in the North Louisiana-South Arkansas oil territory experienced a quiet week for the seven-day period just closed.

Probably the most interesting well completed during the week was the Ohio Oil company's Furlow No. 1 in section 12-17-14 between the older part of the proven part of the field in section 1-17-14 where the discovery well of the area was uncovered and the larger producing area in sections 10 and 11-17-14. It was the first well added in section 12 and gauged 25 million cubic feet of gas at total depth of 2,982 feet.

In section 14-17-14 on the southeastern end of the field O. W. Estes completed his Rowland No. 4 at 3,919 feet flowing 130 barrels. In the northeast tip of the field Magnolia Petroleum company added its Carrol No. 4 in section 1-17-14 at 2,982 feet as a thirty barrel well which is also making two million feet of gas. In the northwest portion of the northeast area Marr and Hooster tested salt water and will abandon their Slade No. 2 in section 3-17-14 at 2,740 feet. In the same section Skelly Oil company in its Slade No. 1 obtained a 140 barrel pumper at 3,236 feet. In the older proven area Murdock and associates completed Gregory No. 5 at 3,206 feet as a 15 barrel pumper. The well is in section 10-17-14.

Two interesting Union county wildcats were failures during the week. Clark, Trustee, tested dry in his Dumas No. 1 in section 8-17-16 at 3,518 feet while R. J. McMurry in his Hale No. 1 in section 23-19-15 tested dry at 3,505 feet.

Five Producers Added.
Altogether in the tri-state area five producers were added with a combined initial output of 325 barrels. Four of these were in the Rainbow City area, the only other producer in the territory being a ten barrel pumper in the Bethany field of Panola county, East Texas, completed by the Magnolia Petroleum company in its Baptist church No. 1 in the Jacob Womack headright survey at total depth of 2,491 feet. The week before had added five producers with a combined initial yield of 230 barrels.

Besides the five producers the last week also accounted for four gassers and nine failures as compared to seven gassers and two failures the preceding week.

Several interesting Louisiana wildcats were included in the failures for the last week. W. T. Bell's Posey No. 4 in section 33-22-16, Caddo parish tested salt water at 2,415 feet while in the Trinity sand of Webster parish Cotton Valley), Magnolia Petroleum company tested dry in its Alabama Coyle No. 2 in section 22-21-10 at total depth of 4,862 feet. William Gross and associates' deep test in the Bellevue area was junked and abandoned at 3,067 feet. This well was Stewart No. 1 in section 15-18-12.

Another Caddo failure was Haynes Brothers' Louisiana Livestock No. 3 in section 8-19-16 which was a duster at 2,330 feet. Panola county, Texas, rounded out the list of failures with Eethany Oil and Gas company testing salt water in its Louis Werner No. 4 in the James Storey headright survey at total depth of 1,019 feet. Gassers added in Louisiana included Jordan Drilling Company's Cole No. 2, in section 6-18-4E, of Ouachita parish (Monroe), which gauged around four million feet at 2,180 feet, and Southern Carbon Company's Tensas Delta No. 5, in section 9-20-4E, which gauged 12,500,000 feet at 2,138 feet. In the old Naborton field of De Soto parish, Louisiana Public Utilities Company's Williams No. 1, in 22-12-12, was completed with 1,000,000 feet of gas at 1,004 feet.

While not in the official list Texas Company's Meyer No. 1, in section 15-22-7, Morehouse parish, tested salt water in a retest at 2,939 feet. It had once shown signs of being a possible oil producer. It is in rank wildcat territory.

Drilling Activities.
Drilling activity in Louisiana showed improvement for the week ending September 19, over the week ending September 12, according to the list of drilling permits issued by the minerals division of the State Conservation Commission here. A total of 14 new wells were authorized in the last week as compared to nine the preceding seven-day period.

Besides the drilling permits issued, there were also two permits to deepen and one to work over, along with 16 permits to abandon.

Parishes showing drilling permits were: Acadia, two; Bossier, one; Cad-

do, one; Calcasieu, three; Claiborne, one; LaSalle, two; Madison, one; Ouachita, two, and Terrebonne, one. The permits to deepen were divided between Calcasieu and Webster parishes.

The largest number of abandonments in the Waskom gas field of Caddo parish, where four of the five abandonments in the parish occurred.

Madison parish, a rank wildcat area, secured one of the week's drilling permits, the Ruston Drilling Company securing permit to drill E. Sondheimer No. 1, in section 24-18-11, of that parish.

H. L. Hunt secured permit to drill two wells in the Little Creek district of the Urania field, the two wells authorized being his Urania Lumber Co. Nos. 6 and 7, in section 2-9-13.

A wildcat authorized during the week in Ouachita parish was the Ouachita Natural Gas Company's D'Arbonne 2-B, in section 25-19-2E.

Due to substantial increases in Rainbow City and heavy Smackover production, the daily average oil output in the North Louisiana-South Arkansas oil territory gained 3,115 barrels for the week ending September 19. The average for the last week was 124,160 barrels.

While Arkansas was rising 3,695 barrels to a level of 85,650 barrels, Louisiana was dropping 580 barrels to 38,510 barrels.

Rainbow City rose 1,650 barrels to 18,250 barrels, while heavy Smackover rose 1,000 barrels to 56,100 barrels.

Figures for the last two weeks by districts follow (in barrels):

	Sept. 19.	Sept. 12.
Louisiana.		
Caddo, light	8,940	9,150
Caddo, heavy	3,115	3,070
Red River-DeSoto-		
Sabine	4,810	4,890
Cotton Valley	4,350	4,425
Haynesville	5,670	5,675
Homer	3,895	3,890
Urania	6,650	6,640
Little Creek	500	570
Bellevue	580	570
Total Louisiana ..	38,510	39,090
Arkansas.		
Rainbow City-El		
Dorado	18,250	16,600
Smackover, light ...	7,375	7,450
Smackover, heavy ...	56,100	55,100
Lisbon	1,780	1,750
Nevada county	1,140	1,095
Stephens	1,005	960
Total Arkansas ..	85,650	81,955
Total both states	124,160	121,045
Increase	3,695	

Completions for the week were as follows:

Louisiana.
Caddo parish: W. T. Bell, Posey No. 4, section 33-22-16 at 2,415 feet, salt water, abandoned.
Webster parish (Cotton Valley): Magnolia Petroleum Company, Alabama-Coyle No. 2, section 21-21-10 at 4,862 feet, dry and abandoned.

Bossier parish (Bellevue): William Gross and associates, A. Stewart No. 1, section 15-18-12, at 3,067 feet, junked and abandoned.

Caddo parish (Blanchard): Haynes Brothers' Louisiana Livestock No. 3, section 8-19-16 at 2,330 feet, dry and abandoned.

DeSoto parish (Naborton): Louisiana Public Utilities Co., Williams No. 1, section 22-12-12 at 1,004 feet, one million feet gas.

Morehouse parish (Monroe): Southern Carbon Company, Tensas Delta No. 5, section 9-20-4E at 2,138 feet, 13 million feet gas.

Ouachita parish (Monroe): Jordan Drilling Company, Cole No. 2, section 6-18-4E at 2,180 feet, four million feet gas.

East Texas.
Panola county (Bethany): Bethany Oil and Gas Company, Louis Werner No. 4, James Storey headright survey at 1,019 feet, salt water abandoned; Magnolia Petroleum Company, Baptist No. 1, Jacob Womack headright survey at 2,494 feet, 10 barrels.

Arkansas.
Bradley county (Emory): Ohio Oil Company, Southern Lumber Company No. 1, section 15-16-10 at 3,609 feet, dry abandoned.

Union county (Rainbow City): O. W. Estes, Rowland No. 4, section 14-17-14 at 3,919 feet, 130 barrels flowing; Magnolia Petroleum Company, Carroll No. 4, section 1-17-14 at 2,982 feet, two million feet gas, 30 barrels oil; Marr & Hooster, Slade No. 2, section 3-17-14 at 2,740 feet, salt water, abandoned; Murdock et al., Gregory No. 5, section 10-17-14 at 3,206 feet, 15 barrels pumping; Ohio Oil Company, Furlow No. 1, section 12-17-14 at 2,982 feet, 25 million feet gas; Skelly Oil Company, Slade No. 1, section 3-17-14 at 3,236 feet, 140 barrels pumping.

Union county (El Dorado): Clark, Trustee, Dumas No. 1, section 8-17-16 at 3,518 feet, dry abandoned.

Union county (upland): R. J. McMurry, Hale No. 1, section 23-19-15, at 3,505 feet, dry abandoned.

WEEKLY REVIEW OF THE OIL INDUSTRY

Interest in Prospects of Webster Parish Field Aroused.

Special to the Gazette. 9-30-28
Shreveport, La., Sept. 29.—That the southeastern edge of the Spring Hill gas field in Webster parish, La., will

be nearer a reality during the last week than at any time within the last five years when Magnolia Petroleum Company completed its T. C. Cook in the southeast quarter of the northwest quarter of section 2-22-11 as a 150-barrel pumper at total depth of 2,711 feet.

Coming as it did on the heels of a splendid showing of oil in the Northwest Louisiana Gas Company's Pine Woods Lumber Company No. 7, in section 33-23-11, two miles north and west, which is being standardized to be pumped and is estimated to be good for 20 barrels daily, made the addition of the Magnolia well all the more impressive.

It was in this vicinity that in 1923 several producers were completed on the Pine Woods Lumber Company's lease. Three of these wells were of commercial proportions and produced approximately 5,000 barrels of oil for the first year or two after their completion. Other operations, however, failed to uncover any more production and the area lay comparatively dormant until the Cartersville gas field in Bossier parish was uncovered in 1925 and exploration took a southeastern turn, placing its southeast part in the vicinity of the Spring Hill area.

The Magnolia well is a mile northwest of the famous Denman test of the Louisiana-Mississippi Company, drilled several years ago to a depth of 3,076 feet, which was abandoned when it struck salt water. However, a good show of oil was obtained at 2,717 feet. This well is in section 1-22-11. Salt water encroachment is the bane of this area's wells and the outcome of the Cook well will be watched with interest.

Three edge wells in Rainbow City, Ark., divided interest with the Spring Hill development during the week. Ohio Oil Company completed its H. R. F. Goode No. 1 in section 6-17-13 at 3,011 feet as a 288-barrel pumper with three feet of sand on the extreme northeastern edge of the pool. On the northwest edge of the northeast extension Oil Well Corporation completed Slade No. 2 in section 3-17-14 at 3,257 feet in eight feet of sand pumping 140 barrels of fluid of which 10 per cent is salt water. The other edge well completed in Rainbow City was on the southwestern edge of the field and was Sun Company's Schmidt No. 2 in section 16-17-14 completed at 2,875 feet and making 250 barrels of oil and 5,000 barrels of salt water daily. This well is being blown with gas.

Six Producers Added.
Altogether in the North Louisiana-South Arkansas-East Texas oil area there were six producers added in the tri-state area during the week with a combined initial yield of 866 barrels, as compared to five producers with a combined initial yield of 325 barrels the preceding week. The last week also added three gassers and three failures as compared to four gassers and nine failures the week before.

Completions for the week were as follows:

Louisiana.
Bossier parish (Elm Grove)—Arkansas Natural Gas Corporation Van Hoose B-4, section 36-16-12, at 2,440 feet, 16,000,000 feet of gas. Palmer Corporation, Jeter No. 1, section 24-17-12, at 1,707 feet, 2,000,000 feet of gas.

Caddo parish (Pine Island)—Texas Company's C. M. I. No. 47, section 23-21-15 at 4,016 feet, salt water, abandoned.

Morehouse parish (Monroe)—Natural Gas Products Company, Patton No. 1, section 12-20-4E, at 2,194 feet, 5,000,000 feet of gas.

Webster parish (Cotton Valley)—Dixie Oil Company, Cox No. 1, section 15-21-10 at 4,714 feet, salt water, abandoned.

Webster parish (Curry Junction)—Magnolia Petroleum Company, T. C. Cook No. 1, section 2-22-11, at 2,711 feet, 150 barrels, pumping.

Claiborne parish (Homer)—Gulf Refining Company, Langston-Baird No. 11, 24-21-8, at 1,260 feet, eight barrels, pumping.

Arkansas.
Ouachita county (Camden)—Timberlake and associates, Carnes No. 1, sections 27-13-17 at 2,622 feet, salt water, abandoned.

Nevada county (Nevada)—Humble Oil Refining & Company, Groves B-6, section 1-14-21 at 1,132 feet, 45 barrels pumping.

Union county (Rainbow City)—Ohio Oil Company, H. R. F. Goode No. 1, section 6-17-13 at 3,011 feet, 288 barrels pumping; Oil Well Corporation, Slade No. 2, section 3-17-14 at 3,257 feet, 125 barrels pumping; Sun Company, Schmidt No. 2, section 16-17-14 at 2,875 feet, 250 barrels (blowing with gas).

A recession of 550 barrels in the daily output of the Rainbow City field in Arkansas which declined to 17,700 barrels for the week, caused daily oil production in the North Louisiana-South Arkansas-East Texas area to fall 360 barrels to 123,800 barrels for the week. Louisiana production gained 140 barrels, rising to 38,650 barrels for the last week while Arkansas districts declined 500 barrels to 85,150 barrels. Smackover, heavy, the largest district in the tri-state area, gained 45 barrels for the week, rising to 56,145 barrels.

Figures by districts for the last two weeks follow, in barrels:

	Sept. 26.	Sept. 19.
Louisiana.		
Caddo, light	9,030	8,940
Caddo, heavy	2,920	3,115
Red River-DeSoto-Sabine, September 26, 4,830; September 19, 4,810.		
Cotton Valley, September 26, 4,505; September 19, 4,350.		
Homer, September 26, 3,730; September 19, 3,895.		
Haynesville	5,675	5,670
Cotton Valley	4,503	4,425
Bellevue	905	890
Urania	6,330	6,640
Little Creek	500	570
Total Louisiana ..	39,145	38,650
Arkansas.		
Rainbow City-El Do-		
rado	17,540	17,700
Smackover, light	7,350	7,550
Smackover, heavy ...	55,100	56,145
Lisbon	1,660	1,690
Nevada county	1,110	1,110
Stephens	995	955
Total Arkansas ..	84,165	85,150
Total both states.	123,310	123,800

Decline, 490 barrels.

Completions for the week were as follows:

Louisiana.
Webster parish (Cotton Valley)—Magnolia Petroleum Company, J. S. Merritt No. 5, section 14-21-10, at 4,645 feet, 30 barrels oil, 2,000,000 feet gas; Ohio Oil Company, R. L. Holloway No. 5, section 23-21-10, at 4,712 feet.

ville, September 26, 5,700; September, 19, 5,670. Bellevue, September, 26, 905; September 19, 580. Urania, September 26, 6,530; September 19, 6,650; Little Creek, September 26, 500; September 19, 500. Total, Louisiana, September 26, 38,650; September 19, 38,510.

Arkansas.
Rainbow City-El Dorado, September 26, 17,700; September 19, 18,250. Smackover, light, September 26, 7,550; September 19, 7,375. Smackover, heavy, September 26, 56,145; September 19, 56,100. Lisbon, September 26, 1,690; September 19, 1,780; Stephens, September 26, 955; September 19, 1,005. Nevada county, September 26, 1,110; September 19, 1,140. Total, Arkansas, September 26, 85,150; September 19, 85,650.

Drilling activity in Louisiana showed a slight decline, according to the list of permits issued by the minerals division of the State Conservation Commission, which showed 12 drilling permits issued the last week, as compared to 14 issued the preceding seven days.

Besides the 12 new wells authorized the last week also saw permits issued for one deepening and seven abandonments as compared to one to deepen, one to work over and sixteen to abandon the preceding seven-day period.

North Louisiana obtained a large proportion of the new wells for the last week, Bossier parish accounting for two new tests, Caddo, one; DeSoto, one; Madison, one; Morehouse, one; Union, one, and Webster, two. The other permits to drill were in south Louisiana and were divided among the following parishes: Acadia, one; Ascension, one; Cameron, one. The permit to deepen was in Claiborne parish, also in North Louisiana. The abandonments were divided among the parishes as follows: Caddo, two; Calcasieu, one; Cameron, two; St. Dandry, one, and St. Martin, one.

Wingfield and Morrison, who have half a dozen tests already under way in the wildcat territory of Union parish, secured permit to drill still another test in the same vicinity, their Security Trust No. 3, in section 23-23-1W. Magnolia Petroleum Company will drill a wildcat in Webster parish, having secured drilling permit for Branton No. 1 in section 5-22-9. Superior Oil Company of Tulsa, Okla., will drill a test in Cotton Valley in the same parish, McCook & Kibbler No. 1 in section 21-21-10.

WEEKLY REVIEW OF THE OIL INDUSTRY

Interest Renewed in Trinity Sand of Cotton Valley, Louisiana.

10-9-28

Shreveport, La., Oct. 5.—Extension a mile southeast of the Richland parish gas area and renewed activity in the Trinity sand of Cotton Valley in Webster parish, Louisiana, were the outstanding features of the last week in the oil and gas territory of north Louisiana, south Arkansas and east Texas.

Rainbow City, in Union county, Arkansas, which for a year has been the most active area in the tri-state territory, recorded only one well, a 50-barrel pumper, during the week.

It was Richland Operating Company's Godfrey No. 1, in section 25-16-6E, completed at a depth of 2,455 feet, making 55,080,000 cubic feet of gas, that extended the Richland gas field. Another large gasser was added in the same field during the week by the Richland Production Company's Rhynes No. 1, in section 24-16-5E, which was completed at 2,450 feet, making 34,000,000 feet of gas.

Exploration of the Trinity sand around 4,500-4,700 feet, in Cotton Valley came to the fore during the last seven-day period, when one oil well and two gassers, one of large capacity, were completed there. The field had been comparatively dormant for several months, following a flare-up following completion of two gassers in section 14-21,10 on the Bodcaw Lumber Company lease by the Ohio Oil Company.

Magnolia Petroleum Company, during the last week, completed J. S. Merritt No. 5, in section 14-21-10, at 4,645 feet, making 30 barrels of oil daily with 2,000,000 cubic feet of gas. This followed the completion of Palmer Corporation's Tillman No. 3, in section 28-21-10, at 4,653 feet, as a 38,000,000-foot gasser, in the deep pay. Ohio Oil Company also added a small Trinity gasser in its R. L. Holloway No. 5, in section 23-21-10, at total depth of 4,712 feet.

One Louisiana Producer.
The Trinity well in Cotton Valley was the only Louisiana oil producer added during the week, there being three producers in Arkansas, all in different districts.

The largest well was Autrey Oil Company's William Haynie No. 1, in section 6-14-20, in the Stephens district of Columbia county, which was completed at 1,206 feet, making 100 barrels, Humble Oil and Refining Company added another oil well in Nevada county when its Groves C-5, in section 1-14-21, was completed at 1,121 feet, pumping 45 barrels. The lone producer in Rainbow City was in the proven field in section 11-17-14, and was the Magnolia Petroleum Company's G. C. Dumas No. 1, added at 3,228 feet, making 50 barrels.

The combined initial yield of the four producers in the tri-state area was 225 barrels, which was a drop from initial production the week before when six producers added 868 barrels of new yield. The last week also recorded seven gassers and three failures as compared to three gassers and three failures the preceding seven-day period.

Besides the two deep gassers in Cotton Valley and the two in Richland, Morehouse parish also accounted for a smaller gasser in Natural Gas Production Company's Tensas Delta No. 11, in section 22-22-4E, was completed as a 3,060,000-foot gasser. Panola county, Texas, also added two small gassers, Arkansas Natural Gas Corporation's T. C. Adams No. 1 in the Jordan headright survey, at 981 feet, and gauged 2,500,000 feet, and Texas Company's Brumble No. 6, in the Bracken headright survey, gauged 616,000 feet at 976 feet.

Three Wildcat Failures.

Three wildcats in three separate districts provided the failures. Warren and Carruthers tested salt water and will abandon Berry No. 1 in the Kestchie area of Caddo parish at total depth of 1260 feet. In Ashley county, Arkansas, Montrose district, Texas Company's Gay No. 1 in section 33-16-4 was a "duster" at 3,187 feet while the Lapile district of Union county H. L. Hunt had similar luck with his Dykes No. 1 in section 21-18-12 at 3,445 feet. The latter well had twice tested as failure before the last trial.

Drilling activity remained at practically the same level for the week ending October 3 and that ending September 26, 13 new wells being authorized the last week as compared to 12 the week before, according to the figures of the Louisiana Conservation Commission's minerals division with headquarters here.

Bossier and Webster parishes, both in North Louisiana, led in the list of drilling permits issued for the week, with three new tests each. Two of the wells authorized in Bossier are in the Elm Grove gas field and the third is in Sligo area, really an extension of the other field.

Probably the most interesting well authorized during the week was the Northwest Louisiana Gas Company's Pine Woods Lumber Company No. 8 in section 34-23-11, offsetting its No. 7 on the same lease which is a wildcat that is being standardized to pump and is estimated to be good for 20 barrels. These wells are on the southern end of the Spring Hill gas area and are about two miles northwest of a 130-barrel producer completed last week in section 2-22-11. Several small producers were completed about five years ago on the Pine Woods Lumber Company lease.

Besides the Pine Woods well the other two tests authorized in Webster are in the Shongaloo northeast edge about five miles from the west edge of the Haynesville oil field. Both are to be drilled by Virgil Helm of Fort Worth. One of the tests is J. Y. Elkins No. 1 in section 32-23-9 and the other is J. D. Maxwell No. 1 section 7-22-9. Helm completed a two-million-foot gasser in the same territory several weeks ago.

Two interesting wildcats in Morehouse parish are among the abandonments authorized during the week. Texas Company's Meyer No. 1 in section 15-22-7E which tested salt water three times around 2,922 feet, and Woodley Petroleum Company's Bonita Lumber Company No. 1 in section 3-22-9-E which met the same fate around 2,850 feet.

Besides the 13 drilling permits during the week there were also one permit to deepen, one to sidetrack, one to rework, one to abandon temporarily and fifteen to abandon, as compared to one to deepen and seven to abandon the preceding period.

Increases in several other fields of North Louisiana and south Arkansas failed to overcome a decline of 1,045 barrels in the daily average oil production of heavy Smackover and the yield in the two states showed a net decline of 490 barrels dropping to 123,310 barrels for the week ending October 3.

Louisiana fields showed a gain of 495 barrels rising to 39,145 barrels for the week but Arkansas' drop of 985 barrels

to a level of 84,165 barrels overcame the increase.

Figures for the last two weeks for the districts in the two states follow:

	Oct. 3.	Sept. 26.
Louisiana.		
Caddo, light	9,160	9,030
Caddo, heavy	2,930	2,920
Red River-DeSoto-		
Sabine	4,890	4,830
Homer	3,970	3,730
Haynesville	5,710	5,700
Cotton Valley	4,450	4,503
Bellevue	800	905
Urania	6,730	6,530
Little Creek	505	500
Total Louisiana ..	39,145	38,650
Arkansas.		
Rainbow City-El Do-		
rado	17,540	17,700
Smackover, light	7,350	7,550
Smackover, heavy ...	55,100	56,145
Lisbon	1,660	1,690

feet, 4,664,000 cubic feet gas; Palmer Corporation, Tillman No. 3, section 28-21-10, at 4,653 feet, 37,080,000 cubic feet gas.

Caddo parish (Keatchie)—Warren & Carruthers' Berry No. 1, section 26-15-15, at 1,260 feet, salt water, abandoned.

Morehouse parish (Dean)—Natural Gas Products Company, Tensas Delta No. 11, section 22-22-4E, at 2,216 feet, 3,060,000 cubic feet of gas.

Richland parish (Lucknow)—Richland Operating Company's Godfrey No. 1, section 25-16-6E, at 2,455 feet, 55,080,000 cubic feet gas; Richland Production Company, Rhynes No. 1, section 24-16-6E, at 2,450 feet, 34,000,000 cubic feet gas.

East Texas.
Panola county (Bethany)—Arkansas Oil Company, Logan A, section 29-10-13, at 5,063 feet, dry, abandoned.

Morehouse parish (Bonita)—Texas Company, A. V. Meyers No. 1, section 15-22-7E, at 2,939 feet, salt water, abandoned; Woodley Petroleum Company, Bonita Lumber Company No. 1, section 3-22-9E, at 3,017 feet, salt water, abandoned.

Morehead parish (Spencer)—Consolidated Carbon Company, Perry No. 2, section 14-20-4E, at 2,173 feet, 14,000,000 feet of gas.

Ouachita parish (Monroe)—Natural Gas and Fuel Corporation, McEnery No. 1, section 20-10-4E, at 2,194 feet, 3,700,000 feet gas.

Richland parish (Lucknow)—S. D. Hunter, McCoy B-3, section 21-16-6E, at 2,428 feet, 15,000,000 feet gas, Arkansas.

WEEKLY REVIEW OF THE OIL INDUSTRY

Two Failures of South Arkansas Field Extensions Test Feature Activities.

Special to the Gazette.

Shreveport, La., Oct. 20.—Two failures in an attempt to extend the producing area in Rainbow City, Union county, south and southeast, completion of a 200-barrel flowing well in the eastern edge of the northeast portion of the Rainbow field, and the abandonment of a mile-deep test in Cotton Valley, La., as a failure, were the outstanding developments of the last week in the north Louisiana-south Arkansas-east Texas oil and gas territory.

The 200-barrel edge well, C. E. Murrlock and associates' Union Sawmill Company No. 2, in section 6-17-13, and a 50-barrel pumper, the Humble Oil and Refining Company's Groves A-6, in section 1-14-21, Nevada county, Arkansas, were the only two producers added in the tri-state area during the week. The preceding period had accounted six producers which added 2-756 barrels.

The Sligo district of Bossier parish, which in reality is an offshoot of the Elm Grove gas area, accounted for two of the gassers, Arkansas Natural Gas Corporation's Van Hoose A-6, in section 31-16-11, and Eligo Syndicate's Webb No. 2, in section 28-17-12.

In the Blanchard district of Caddo parish Haynes Brothers hit salt water at 1,907 feet in their Louisiana Livestock No. 4, in section 8-19-16, and the well was abandoned. In the Naborton district of DeSoto parish, Rudessal and associates tested dry at 2,513 feet.

Humble Oil and Refining Company went almost a mile deep in its Bodcaw A-2 in section 14-21-10 of Cotton Valley, Webster parish, before abandoning the well at 5,292 feet as a duster. Shaffer Oil and Refining Company, drilling Louisville Cooperae No. 1, in section 11-22-8E of Morehouse parish, hit salt water at 3,131 feet and abandoned the well. It was the third deep wildcat to be abandoned in that area in the last month.

Two gassers, one in the Waskom field of Harrison county, Tylong Oil and Gas Company's Abney No. 1 in the Pollock headright survey, completed at 2,379 feet as a 1,000,000-foot well, and Bethany Oil and Gas Company's L. Werner No. 5, in the Jordan headright survey, completed at 986 feet and gauged at 5,000,000 feet, were the contributions of east Texas during the week.

In Arkansas the Arkansas Natural Gas Corporation tested dry and abandoned its T. J. Pate No. 1, in section 4-19-11, at 3,620 feet, in Cleveland county, a rank wildcat area. Rainbow City contributed two gassers, O. W. Estes' Rowland No. 6, in section 14-17-14, at 2,826 feet, making 35,000,000 feet of dry gas, and H. L. Hunt's Gregory No. 9, in section 15-17-14, completed at 2,745 feet, making 5,000,000 feet.

The wells which failed in extending the field south and southeast of production were Pure Oil Company's Gaddy No. 1, in section 13-17-14, abandoned as dry at 3,804 feet, and R. M. Stephenson and associates' Wilson No. 1, in section 25-17-14, abandoned as dry at 3,304 feet.

A big drop in Urania production, despite a five-cent hike in the price during the week, bringing it to 90 cents a barrel, and a recession in heavy Smackover, which overcame a rise in Rainbow City yield, gave the daily average oil production of the north Louisiana-south Arkansas-east Texas a net drop of 1,185 barrels for the week ending Wednesday, October 17. The average for the last week was 121,355 barrels.

Urania declined 630 barrels, to 6,030 barrels, bringing Louisiana's average to 32,215 barrels, a net drop of 765 barrels. Heavy Smackover fell 1,580 barrels to 54,000 barrels, which was overcome partially by a rise of Rainbow City, which went up 960 barrels, to 17,660 barrels. Arkansas' net decline was 420 barrels, the average for the week being 83,140 barrels.

Figures for the last two weeks by districts follow, in barrels:

Louisiana.		Oct. 10.	Oct. 10.
Caddo, light	.....	9,155	9,155
Caddo, heavy	.....	2,885	2,885
Red River-DeSoto-Sabine	.....	4,912	4,912
Homer	.....	3,870	3,870
Haynesville	.....	5,640	5,640
Cotton Valley	.....	4,498	4,498
Bellevue	.....	785	785
Orania	.....	6,730	6,730
Little Creek	.....	525	525
Total Louisiana	.....	38,980	38,980
Arkansas.		Oct. 10.	Oct. 10.
Rainbow City-El Dorado	.....	16,700	16,700
Smackover, light	.....	7,630	7,630
Lisbon	.....	1,660	1,660
Stephens	.....	985	985
Nevada county	.....	1,105	1,105
Total Arkansas	.....	83,560	83,560

Drilling activity in Louisiana showed a slight decline for the week, according to figures released by the minerals division of the State Conservation Commission. Thirteen new wells were authorized during the last week, as compared to 17 for the previous week. A majority of the wells are for

part of the state, led all other parishes in number of new drilling permits with four. Ascension parish, where a gusher was uncovered several months ago, will be the scene of the eleventh test to be drilled by the Gulf Refining Company of Louisiana in its United Lands Company No. 11, in section 15-10-4E. The Eligo area of Bossier parish in north Louisiana will see another test, Barrett & Morgan's Murf No. 1, in section 16-17-11. In Caddo parish, Pine Island field, the Magnolia Petroleum Company has secured permit to drill its Dillon No. 18 in section 24-21-15.

In DeSoto parish, also in north Louisiana, A. F. Halliday will drill No. 1, State of Louisiana, in section 22-14-12. The Union Sulphur Company will drill its Schwing No. 3 in section 26-8-3 in Iberville parish of south Louisiana.

Two new wells for St. Martin, another south Louisiana wildcat area, where two producers have been added this year, sees two new wells started during the week, Rycaud Oil Corporation's Atchafalaya Fee No. 4, in section 13-9-8, and the Yount-Lee Oil Company's Louisiana Petroleum Company's No. 3, in section 86-9-5. Wooldey and Fox of Shreveport have secured permit to drill McCloud No. 1 in section 13-19-1E, Union parish, a north border parish, and in wildcat territory.

Palmer Corporation will drill its Tillman No. 4, in 28-21-10, in Webster parish as an offset to the No. 3 on the same lease in the same section, a Trinity sand gasser.

Besides the drilling permits the last week also accounted for one permit to deepen, one to plug and perforate and seven to abandon as compared to nine to abandon, one to deepen and one to abandon temporarily the week before.

WEEKLY REVIEW OF THE OIL INDUSTRY

Activities Center in Northwest Edge of Rainbow City Field.

Special to the Gazette.

Shreveport, La., Oct. 27.—While the northeast end of the Rainbow City field in south Arkansas marked time after adding several substantial wells in recent weeks and more than a dozen rigs are making steady headway toward the pay sand, interest in the field for the last week shifted temporarily to the northwest edge of the field where Oil Well Corporation added a huge dry gas well in its Kelly A-1 in section 9-17-14 completed at 2-740 feet and making forty million cubic feet daily.

Rainbow City continues to be the most active district in the tri-state territory embracing North Louisiana, south Arkansas and East Texas. The northeast part of the Rainbow City field accounted for only one producer during the week, this being Magnolia Petroleum Company's Carroll No. 5 in section 1-17-14 completed at 3018 feet and pumping 30 barrels of oil daily.

Two wildcats completed during the week were both failures. They are Joe Marr and associates Sloan No. 1 in section 14-17-15, Union county, which tested salt water at 3,392 feet on second completion, and E. M. Jones and associates Stegall B-2 in section 10-18-14 which was abandoned at 2,265 feet after the well refused to pump. This well had held promise of being a commercial well, having at one time had 1,000 feet of oil and water in the hole and arrangements had been under way to standardize it. It was cleaned with cable tools but refused to pump. The hole had 13 feet of sand.

Louisiana was unable to add an oil producer during the week but did account for five gassers. In the Elm Grove field of Bossier parish, Arkansas Natural Gas Corporation added its Van Hoose A-7 in section 31-16-11 at 2,445 feet at a 12 1-2 million foot well. Palmer Corporation in its Caplis No. 11 in section 26-16-12 at 1,880 feet added 3,000,000 feet of gas. Two gassers were added in the Monroe field, one in Ouachita parish, Magnolia Petroleum Company's Millsaps No. 2 in section 36-20-4E completed at 2,180 feet making 20 million feet of gas, and the other Southern Carbon company's Tensas Delta No. 6 in section 10-20-4E, Morehouse parish, making 26 million feet from a depth of 2,152 feet.

In Richland parish Magnolia Petroleum company added its J. Sartor No. 1 in section 16-16-6E at 2,445 feet as a 58,000,000 foot gasser. An effort to extend the Little Creek producing oil field into Grand parish ended in failure when Baily and Beville completed Swope No. 3 in section 17-9-1E at 1,598 feet as a salt water hole.

Altogether three producers added 90 barrels of new production during the week as compared to two producers with 250 barrels new yield the week before. The last week also accounted for six gassers and seven failures compared to the same number the week before. Completions for the week were as follows:

Louisiana.		Oct. 10.	Oct. 10.
Bossier (Elm Grove)	.....	8,965	8,965
Natural Gas Corporation, Van Hoose A-7	.....	2,790	2,885
Section 31-16-11 at 2,445 feet, 12 1-2 million feet gas; Palmer Corporation, Caplis 11, section 26-16-12, at 1,888 feet, three million feet gas.	.....	4,940	4,912
Morehouse parish (Monroe)—South-	.....	3,830	3,870
	.....	5,670	5,640
	.....	4,710	4,498
	.....	730	785
	.....	6,080	6,718
	.....	500	525
Total Louisiana	.....	38,215	38,980
Arkansas.		Oct. 10.	Oct. 10.
Rainbow City-El Do-	.....	17,660	16,700
rado	.....	7,340	7,630
Smackover, light	.....	54,000	55,580
Smackover, heavy	.....	1,630	1,560
Lisbon	.....	1,000	985
Stephens	.....	1,170	1,105
Nevada county	.....	1,170	1,105
Total Arkansas	.....	83,140	83,560

Drilling activity in Louisiana showed a slight decline for the week, according to figures released by the minerals division of the State Conservation Commission. Thirteen new wells were authorized during the last week, as compared to 17 for the previous week. A majority of the wells are for

ern Carbon Company, Tensas Delta No. 6, section 10-20-4E, at 2,152 feet, 25 million cubic feet gas.

Ouachita parish (Monroe)—Magnolia Petroleum Company, Millsaps No. 2, section 36-20-4E at 2,180 feet, 20 million feet gas.

Richland parish (Lucknow)—Magnolia Petroleum Company, J. Sartor No. 1, section 16-16-6E at 2,445 feet, fifty-eight million feet gas.

Grant parish (Little Creek)—Bailey & Beville, Swope No. 3, section 17-9-1E, at 1,598 feet, salt water abandoned.

Arkansas.
Nevada county (Nevada)—Humble Oil and Refining Company, Groves A-5, section 1-14-21, at 1,117 feet, 50 barrels.

Union county (Rainbow City)—O. W. Estes, Rowland No. 5, section 14-17-14, at 3,302 feet, dry abandoned; Skelly Oil Company, J. M. Gregory No. 1, section 15-17-14, at 2,835 feet, 10 barrels (second completion); W. F. Simrall et al., Finley No. 1, 12-17-14, at 3,251 feet, salt water abandoned (second completion); Sun Company, Schmidt No. 3, section 16-17-14, at 3,300 feet, dry abandoned; Magnolia Petroleum Company, Carroll No. 5, section 1-17-14, at 2,790 feet, 40 million feet dry gas; Root Refineres, E. F. Gregory No. 2, section 10-17-14, at 2,744 feet, salt water abandoned.

Union county (El Dorado)—Joe Marr et al., Sloan No. 1, section 14-17-15, at 3,392 feet, salt water abandoned (second completion).

Union county (Hillsboro)—E. M. Jones et al., Stegall B-2, section 10-18-14 at 2,265 feet, salt water abandoned.

Drilling permits in Louisiana showed a slight decline for the week as compared to the preceding seven-day period, according to the official list of new wells authorized by the minerals division of the state conservation commission. Eleven new wells were authorized during the last week as compared to 13 the week before.

The new wells authorized during the last week were divided among the following parishes: Bossier, one; Caddo, two; Morehouse, three; Ouachita, one; Red River, one; Richland, one; Webster two.

Besides the drilling permits during the last week there also were one permit issued for deepening, re-working, and shooting casing. A large number of abandonments largely in Caddo and Bossier parishes was recorded during the week. The abandonments for the last seven-day period totaled 35. The week before had accounted for one permit to deepen, one to plug and perforate, and seven to abandon.

Of the permits to abandon 16 were shallow wells on the Strange lease in the Bellevue shallow field of Bossier parish. All of them were owned by J. C. McCormick and are in section 23-19-11. Six of the abandonments in Caddo parish were on Crystal Oil Refining Corporation's Star lease in section 27-20-16. Three abandonments were in Claiborne parish, and two in Webster parish.

Recessions in Rainbow City, and several smaller fields in the tri-state area caused a recession of 929 barrels in the daily average oil production of North Louisiana, South Arkansas and East Texas. The average for the last seven-day period was 120,426 barrels.

Louisiana yield dropped 619 barrels to a level of 37,696 barrels while in Arkansas the average declined 410 barrels to 82,730 barrels. The drop in Rainbow City of 1,255 barrels was partly offset by a gain of 1,225 barrels in heavy Smackover which rose to 55,225 barrels for the last week.

WEEKLY REVIEW OF THE OIL INDUSTRY

New Sand in Pine Island Field Outstanding Development in Two States.

Special to the Gazette.

Shreveport, La., Nov. 3.—A development in a new sand more than a mile deep in the Pine Island field of Caddo parish, caused by the Dixie Oil Company's Robertshaw No. 92 in section 13-21-15 blowing out at 6,100 feet, making gas and later bridging over, was the outstanding development of the last week in the oil and gas territory of north Louisiana, south Arkansas and east Texas.

In fact, this well's action potentially is the greatest development in the tri-state territory since the Dixie Oil Company, over four years ago, uncovered the Trinity sand at the 3,600-3,700-foot level in the same field, and on the same lease, which resulted in the addition of that sand as a producing horizon, both in Pine Island and subsequently at a lower level in Cotton Valley.

While the new 6,100-foot well now is closed in, considerable gas is spraying in leaks around the gate valve. Operators are arranging to go in the hole and clean out the bridge, preparatory to setting 4 1-2 inch casing.

No matter what the future of this well as a commercial well may be, its action definitely proves that the deeper levels of Pine Island and, potentially, every field in north Louisiana, south Arkansas and east Texas are capable of production.

Of course, no boom in the generally accepted sense will follow the show in the Robertshaw No. 92, as the smaller operator cannot afford to drill a well to that level as a gamble. It will

WEEKLY REVIEW OF THE OIL INDUSTRY

Three Flowing Wells, a Gasser and Failure Total for Rainbow City.

Special to the Gazette.
 Shreveport, La., Nov. 24.—Discovery of oil in the lower cretaceous formation in a wildcat area of Shelby county, East Texas, by the completion of a 154-barrel gusher of 38 gravity oil, completion of the first upper Trinity sand well in Pine Island, Caddo parish, and increased activity in the northeastern part of the Rainbow City field of Union county, Arkansas, were the high points of the last week in the oil and gas territory of North Louisiana, south Arkansas and East Texas.

The Discovery well in Shelby county is the Gulf Refining Company's Pickering Lumber Company No. 1 in the G. H. Patterson headright survey, nine miles from the little town of Joquin, and is the first flowing oil well ever completed in that part of East Texas. A few small pumps in other parts of Shelby county have been added from time to time, but never any as deep as this well, which is flowing from 3,382 feet, has ever been uncovered.

Development will not be spectacular in the new field, as the Gulf owns a block of several thousand acres surrounding the well, and it will be the only company that will be able to drill offset wells.

However, trading in leases and royalties is reported to have taken on briskness in Shelby county as a result of the completion of the well. In section 7-20-15, Caddo parish, Pine Island district, the Magnolia Petroleum Company completed its Levee Board No. 3 at 3,012 feet as a 270-barrel flowing well in what geologists declare is the first well to be completed in the true upper Trinity sand in the tri-state area.

Several other wells completed around 2,800 feet in Pine Island were declared to be crevice wells and the true upper Trinity had not been previously tapped. The Glen Rose sand in the Trinity around 3,600 to 3,900 feet has yielded a number of producers in Pine Island.

Three flowing oil wells, a gasser and failure was the week's total for the Rainbow City field, where 37 wells are being drilled. The best of the trio was Ohio Oil Company's Crain No. 9, in section 1-17-14, on the same lease and in the same section with the discovery well of Rainbow City.

The other Rainbow wells were: Lion Oil and Refining Company's Union Sawmill Company No. 4, in section 7-17-13, completed at 3,096 feet, flowing 80 barrels daily, and Ohio Oil Company's C. B. Nash No. 1, Account two, in section 6-17-13, flowing 175 barrels daily from total depth of 3,027 feet. E. M. Jones' J. F. Sample Company No. 1, in section 7-17-13, was a 35,000,000-foot gasser at 3,196 feet, and the Rainbow failure was J. W. Olvey's J. F. Sample No. 1 in the same section which hit salt water at 3,257 feet.

Carter & Wingfield, who are drilling several tests in Union parish, Louisiana, added a 20-barrel pumper in their Clark A-2 in section 7-23-1E at a depth of 2,295 feet. A small pipe line recently was laid to this area from Strong, Ark. Several small pumps were completed in that vicinity several years ago.

On the southeast corner of the Bellevue shallow field of Bossier parish, Louisiana, a test drilled to 1,865 feet by the Morgan Oil Company in its Smith No. 1 hit salt water and was abandoned. This is 1,500 feet below the shallow production in that field.

Seven Producers Added.
 Altogether, in the tri-state area, the week accounted for seven producers, with a combined initial yield of 1,464 barrels, as compared to 1,375 barrels from four producers the week before; our gassers, as compared to three gas wells the week before, and five failures as compared to four failures the week before.

The last week's gassers, besides the Jones well in Rainbow City, included Jordan Drilling Company's Cole No. 3, in section 1-18-3E, Ouachita parish, gaged at 4,284,000 feet; Nick Barbare's Furrh No. 4 A-1 in the Short headright survey of Harrison county, Texas, gaged at 1,000,000 feet, and Charles W. White's Robinson No. 1 in the Matthews survey of Panola county, gaged at 20,000,000 feet.

The failures were: Magnolia Petroleum Company's Lewis No. 1 in section 25-23-10, Webster parish, Louisiana, which hit salt water at 3,223 feet; Woodley & Fox McLeod No. 1, a wildcat in Union parish, which was dry at 3,011 feet, and the Amerasia Petroleum Company's Matlock No. 1, a wildcat in Calhoun county, Arkansas, which was a dry hole at 3,744 feet.

Completions for the week were as follows:

In the Johnson county (Ark.) field the Arkansas Natural Gas Corporation made its sixth successful gas well completion when its Houston No. 1 in section 15-10-24 was added at 2,440 feet as a one and a half million foot gasser.

The Ouachita parish side of the Monroe gas field accounted for a small gasser in Stovall Drilling Company's Leiber No. 1 in section 6-18-4E completed at 2,208 feet. Richland parish added one gasser and one failure. The gasser was Community Oil and Gas Company's Boughton No. 1 in section 33-16-6E making 12,000,000 feet at 2,450 feet with 1,100 pounds of rock pressure. The failure was Ouachita Natural Gas Company's C. G. Perdue No. 2 in section 6-15-6E which was abandoned at 605 feet after it cratered. This test had been started as a relief well to another cratered well.

In the Cotton Valley field of Webster parish, the Magnolia Petroleum company abandoned a Trinity sand deep test as a salt water hole at 4,800 feet. This was E. W. Cox No. 5 in section 15-21-10.

Two interesting wildcats in Union county, were listed as failures during the week. They are Garrett-Modisette Drilling Company's Murphy Land Company No. 1 in section 30-17-17 which fell. This was E. W. Cox No. 5 in feet, and Rice and associates' Heinman & Meyers A-1 in section 23-18-16 which tested salt water and was abandoned at 1,180 feet.

Completions for the week were as follows:

Louisiana.
 Webster parish: Cotton Valley Magnolia Petroleum Company, E. W. Cox No. 5, section 15-21-10, at 4,800 feet, salt water, abandoned.

Ouachita parish (Monroe)—Stovall Drilling Company, Leiber No. 1, section 6-18-4E at 2,208 feet, 3,300,000 cubic feet of gas.

Richland parish (Lucknow)—Community Oil and Gas Company, Boughton No. 1, section 33-16-6E, 12,000,000 feet gas at 2,450 feet; Ouachita Natural Gas Co. C. G. Perdue No. 2, section 6-15-6E, at 605 feet, cratered, abandoned.

Arkansas.
 Johnson county (Spadra)—Arkansas Natural Gas Corporation's Houston No. 1, section 15-10-24, at 2,440 feet, one and a half million feet gas.

Ouachita county (Calhoun)—J. E. Crosbie's Primm No. 1, section 23-15-16, at 2,019 feet, pumping 70 barrels.

Union county (Rainbow City)—Marine Oil Company, J. F. Sample Company No. 3, section 7-17-13, at 3,055 feet, flowing 600 barrels; Rovenger Oil Corporation Perdue 4A, section 10-17-14, at 3,253 feet, 10 barrels; Ohio Oil Company, Crain No. 9, section 1-17-14, at 3,014 feet, 700 barrels; Ohio Oil Company, Ward No. 1, section 14-17-14, 15,000,000 feet gas spray oil, at 3,018 feet.

Union county (Lisbon)—Garrett-Modisette Drilling Company, Murphy Land Company No. 1, section 30-17-17, at 3,515 feet, dry; abandoned.

Union county (Upland)—Rice and associates, Heinman & Meyers A-1, section 23-18-16, at 1,180 feet, salt water, abandoned.

Average Production Increased.

Although daily average oil production in the Rainbow City field of Arkansas dropped 601 barrels to a level of 16,899 barrels, increased yield in Louisiana districts rose enough to bring the daily average for the North Louisiana-South Arkansas territory up 100 barrels to a level of 120,594 barrels for the week.

The net loss of yield for the state of Arkansas was 426 barrels, the level sinking to 82,729 barrels for the week. Smackover, heavy, rose 50 barrels to 54,950 barrels, but other districts besides Rainbow City showed declines. Louisiana's yield rose 526 barrels to 37,865 barrels, due mainly to increased yield in the Caddo heavy and light.

Drilling activity in Louisiana showed a substantial gain, according to the list of drilling permits issued by the minerals division of the State Conservation Commission. Fourteen new wells were authorized during the week as compared to 11 new wells authorized the week before.

Ouachita parish, which is located in the Monroe gas field, led all other parishes of the state in number of new wells, accounting for three of the 14 drilling permits. Richland and Cameron parishes tied for second place with two new wells for each.

Other parishes having new wells authorized are: Acadia parish, one; Ascension parish, one; Bossier parish, one; DeSoto parish, one; Iberia parish, one; Iberville parish, one; and Morehouse parish, one.

Three permits to deepen wells were issued during the week for Calcasieu parish in south Louisiana. Ouachita parish accounted for three permits to shoot wells.

Besides the 14 drilling permits, the three to deepen and the three to "shoot," the last week also accounted for five permits to abandon, as compared to two permits to deepen and nine to abandon the preceding seven-day period. Among the last week's abandonments was the E. Attaway No. 1 of the Gulf Refining Company in section 1-18-15, Caddo parish, a deep wildcat test, which was abandoned below the 4,000-foot level. The Webster parish abandonment during the week was Magnolia Petroleum Company's E. W. Cox No. 5 in section 21-21-10 in the Cotton Valley field, a deep test, which was abandoned around 4,800 feet. The three other abandonments for the week were depleted wells in the old Haynesville field of Claiborne parish.

Madison parish (Rosenvelt)—Ruston Drilling Company, Sondheimer No. 1, section 24-18-11E, at 3,150 feet, dry, abandoned.

Catahoula parish (Duty)—Texas Company, Tensas Delta B-1, section 4-10-6E, at 3,500 feet, dry, abandoned.

Panola county (Bethany)—C. F. Steele, Jernigan No. 1, Jane Thorpe headright survey, at 2,490 feet, dry, abandoned. The Texas Company, T. C. Adams A-6, B. C. Jordan headright survey, at 983 feet, two and a half million cubic feet gas.

While Rainbow City yield dropped 230 barrels to a level of 17,400 barrels during the week ending November 7, the daily yield of Smackover heavy rose 200 barrels to a level of 54,900 barrels and the average for North Louisiana and South Arkansas showed a gain of 494 barrels to a level of 120,494 barrels. The daily yield the week before was given at 121,000 barrels when it should have been 120,000 barrels.

Louisiana output rose 674 barrels to 37,339 barrels, while Arkansas' net loss was 190 barrels, the average for the last week there being 83,155 barrels.

A total of 669 drilling permits were issued in Louisiana during the first ten months of 1928, according to figures issued by the minerals division of the state Conservation Commission. Fifty-one new wells were authorized during the month of October.

A total of 1,162 permits for all purposes have been issued up to November by the commission. Of these 485 were to abandon. Seventy-eight abandonments were authorized in October.

Eleven new wells were authorized for the week ending November 7, as compared to seven drilling permits issued for the week ending October 31. Of the eleven permits to drill during the last week four were in Cameron parish in South Louisiana while the other seven were scattered between Acadia parish with two, Bossier, one; Caddo, one; Calcasieu, one; Ouachita, one, and Richland, one.

Besides the drilling permits the last week also accounted for two to deepen and nine to abandon. The two wells to be deepened are in Claiborne parish. The week before had recorded one permit to deepen and sixteen to abandon.

The abandonments during the last week were divided among the following parishes: Acadia, one; Calcasieu, one; Cameron, one; Catahoula, one; East Carroll, one; Madison, one, and Webster, three.

The Texas Company's Tensas Delta B-1 in section 4-10-6E was the abandonment in Catahoula parish, a wildcat territory in North Louisiana. In East Carroll parish the Palmer Corporation abandoned its Hamley No. 1 in section 27-20-11E, a well near a forty million foot gasser completed in wildcat territory by the same company earlier this year. Ruston Drilling Company also abandoned Sondheimer No. 1 in section 24-18-11E, Madison parish, an interesting wildcat.

WEEKLY REVIEW OF THE OIL INDUSTRY

Rainbow City Extension Features Developments in Three States.

Special to the Gazette.
 Shreveport, La., Nov. 17.—Extension of the producing area of the old Rainbow City in Union county, Ark., a mile southeast of the producing area of the Crain sand, was the outstanding feature of the week in the oil and gas territory of north Louisiana, south Arkansas and east Texas.

The well which extended the Rainbow City field was Ohio Oil Company's Ward No. 1 in section 14-17-14 completed at 3,018 feet as a 15,000,000 cubic foot gasser with a spray of oil. The oil spray, according to some estimates, will amount to 75 barrels daily.

While the Ward well held the center of interest from an extension standpoint the northeast part of the Rainbow City field held interest from a production standpoint adding two flowing wells there during the week. The Ohio Oil company's Crain No. 9 in section 1-17-14 on the same lease with the discovery well of the Rainbow city pool, was completed at 3,014 feet and estimated to be good for 700 barrels daily although only flowing through a small choke when first completed.

On the extreme southeastern part of the northeast extension of the field the Marine Oil Company completed J. F. Sample Company No. 3 in section 7-17-13 at 3,065 feet as a 600 barrel flowing well. The drill stem was six feet in the sand.

Back in the old proven portion of the field in section 10-17-14, the Rovenger Oil Corporation added Perdue 4-A at 3,253 flowing 300 barrels of fluid daily only six barrels of which is oil.

In the Ouachita county district J. E. Crosbie added his C. Primm No. 1 in section 23-15-16 at 2,019 feet as a 70-barrel pumper. These comprised the only four producers in the tri-state area for the week. Their initial capacity aggregated 1,376 barrels of oil. This is a substantial gain over the initial production the week before which amounted to only 100 barrels from a lone producer.

Besides the four producers the last week also accounted for three gas wells including the Ohio's Ward well, and four failures. The week before had recorded three gassers and six failures.

WEEKLY REVIEW OF THE OIL INDUSTRY

Completion of Giant Gasser in LaSalle Parish Holds Interest.

Special to the Gazette.
 Shreveport, La., Nov. 10.—Blowing in of a shallow gas well a mile north of the producing area in Urania, LaSalle parish, La., at 900 feet higher than the sand yielding oil in that district was the outstanding event of the last week in the oil and gas territory of North Louisiana, South Arkansas and East Texas.

The well which blew in making, according to estimates of the owners, between 25 and 30 million cubic feet from a depth of 690 feet, is P. G. Randall, Trustee's, Hardtner No. 1 in section 12-10-1E.

This shallow sand showed considerable gas before oil was discovered in Urania at the 1,500-1,600 foot level and the new development leads to the belief that Urania may yet have two producing zones.

This was virtually the only interesting development of the week in the tri-state territory. Rainbow City remained quiet during the week and while a dozen and a half rigs are running there the field failed to register a completion during the week. In fact the entire state of Arkansas failed to enter the completions column.

Louisiana accounted for one produc-

er, a 100-barrel well in the Pine Island field of Caddo parish, completed by Shreveport Oil Corporation in its Hutchinson No. 1 in section 32-21-15 at total depth of 2,121 feet. Louisiana also accounted for two gassers and five failures, and East Texas added one gasser and one failure. These figures compare with two producers with a combined output of 762 barrels the preceding week, which also accounted for six gassers and one failure.

Louisiana Gassers.

The Louisiana gassers were Natural Gas and Products Company's Tensas Delta No. 12 in section 15-22-4E, Morehouse parish, completed as a three-million-foot well at 2,216 feet, and Moody & Seagraves' Phillips No. 1 in section 20-19-4E, Ouachita parish, good for three million feet with total depth of 2,192 feet.

The East Texas gasser in Panola county was Texas Company's T. C. Adams A-6 in the B. C. Jordan headright survey, completed at 983 feet and good for two and a half million feet. The East Texas failure, also in Panola county, was C. F. Steele's Jernigan No. 1 in the Jane Thorpe headright survey, which tested dry at 2,490 feet.

All of the week's failures in Louisiana were of interest. In Webster parish on the eastern edge of the Shongaloo field another effort to link that field to the west edge of the Haynesville oil field in Claiborne parish was a failure. Magnolia Petroleum Company's Oakes-Rosenberry No. 1 in section 29-23-9 being abandoned as a salt water hole at 2,775 feet.

Palmer Corporation junked its Hamley No. 1 in section 27-20-11E, East Carroll parish, at 2,930 feet. This company completed a forty million foot gasser in this wildcat area several months ago.

In Madison parish, another wildcat area, Ruston Drilling Company abandoned as a dry hole its Sondheimer No. 1 in section 24-18-11E at 3,150 feet. In Catahoula parish, another wildcat district, Texas Company obtained a duster in Tensas Delta B-1 in section 4-10-6E, which was abandoned at 3,500 feet.

Louisiana.

Webster parish (Shongaloo)—Magnolia Petroleum Company, Oakes-Rosenberry No. 1, section 29-23-9, at 2,775 feet, salt water, abandoned.

Caddo parish (Pine Island)—Shreveport Oil Corporation, Hutchinson No. 1, section 32-21-15, at 2,121 feet, 100 barrels.

Morehouse parish (Dean)—Natural Gas & Products Company, Tensas Delta No. 12, section 15-22-4E, at 2,216 feet, four million feet of gas.

East Carroll parish (Lake Providence)—Palmer Corporation, Hamley No. 1, section 27-20-11E, at 2,930 feet, junked, abandoned.

Morehouse parish (Bastrop)—United Carbon Company, Bastrop No. 1, section 18-21-6E, at 3,175 feet, dry, abandoned.

Ouachita parish (Monroe)—Moody and Seagraves, Phillips No. 1, section 20-19-4E, at 2,192 feet, three million feet gas.

mean, however, that when the necessity for more production arises the major companies will be able to get it at this level.

Outside of the development in Pine Island, there was little of interest in the territory during the week. The northeast portion of the Rainbow City field in Union county added two wells, one a 732-barrel flowing well in Lion Oil and Refining Company's C. B. Nash No. 4, in section 6-17-13. Total depth of this well is 3,032 feet. The Magnolia Petroleum Company's Carroll No. 6 in section 1-17-14, is pumping 30 barrels from total depth of 2,980 feet.

The new Johnson county (Ark.) gas field accounted for two more gassers during the week. This is a new field, opened several months ago by the Arkansas Natural Gas Corporation, which has the exclusive production in this field. One of the wells completed was the Arkansas' Bynum No. 1 in 13-10-24, completed at 3,126 feet, as an 8,000,000 foot gasser, and the O. L. Hudson No. 1, 330 feet higher, as a 10,000,000-foot gasser, in section 14-10-24.

In Louisiana two small gassers were added, one in DeSoto parish by the Louisiana Public Utilities Company in its Rives No. 1 in section 14-12-12, good for 1,000,000 feet at 1,010 feet depth. The other Louisiana gasser was Feazel & Smith's Steele No. 1 in section 16-20-4E, in Union parish (Monroe district), which was completed as a 12,000,000-foot gasser at total depth of 2,155 feet.

East Texas also accounted for a brace of gas wells, with Nick Barbare's Furrh No. 5 in the James Short survey, Harrison county, completed at 2,381 feet as a 2,000,000-foot well, and Natural Gas Products Company's Roquemore No. 7 in the B. C. Jordan headright survey good for 5,000,000

cubic feet, from total depth of 2,445 feet.

The only failure during the week was Bruce Richardson's Mayfield No. 1 in section 20-23-9, Webster parish, Louisiana, which was abandoned as a salt water hole at 2,776 feet. This well had shown earmarks of a producer, having had several hundred feet of oil in the hole, but it defied efforts to pump the oil. It was a connecting link, had it been successful, being between the Shongaloo gas field in Webster and the western extremity of the Haynesville oil field in Claiborne parish, Louisiana, being about five miles from production in each field.

Altogether, the last week accounted for two producers with a combined initial yield of 762 barrels, six gassers and one failure, as compared to three producers making 90 barrels, six gassers and seven failures the preceding seven-day period.

Completions for the week were as follows:

Louisiana.
 DeSoto parish (Naborton)—Louisiana Public Utilities Company, Rives No. 1, section 14-12-12, at 1,010 feet, 1,000,000 cubic feet gas.

Webster parish (Shongaloo)—Bruce Richardson, Mayfield No. 1, 20-23-9, at 2,776 feet, salt water, abandoned.

Union parish (Monroe)—Feazel & Smith, Steele No. 1, section 16-20-4E, at 2,155 feet, 12,000,000 feet gas.

East Texas.
 Harrison county (Waskom)—Nick Barbare, Furrh No. 5, James Short headright survey, at 2,381 feet, 2,000,000 feet gas.

Panola county (Bethany)—Natural Gas and Products Company, Roquemore No. 7, B. C. Jordan headright survey, at 2,445 feet, 5,000,000 feet gas.

Johnson county (Spadra)—Arkansas Natural Gas Corporation, Bynum No. 1, section 13-10-24, at 3,126 feet, 8,000,000 cubic feet of gas; O. L. Hudson No. 1, section 14-10-24, at 2,795 feet, estimated 10,000,000 cubic feet of gas.

Union county (Rainbow City)—Lion Oil and Refining Company, C. B. Nash No. 4, section 6-17-13, at 3,032 feet, 732 barrels flowing; Magnolia Petroleum Company, Carroll No. 6, section 1-17-14, at 2,980 feet, pumping 30 barrels.

Rises in Rainbow City and heavy Smackover crude gave the daily average oil production a boost of 574 barrels to a level of 121,000 barrels. The net gain would have been larger had it not been for a recession of 1,041 barrels in Louisiana yield, which dropped to 36,355 barrels. Rainbow City yield rose 1,630 barrels to 17,630 barrels during the week, while heavy Smackover went up 700 barrels to 54,700 barrels.

A sharp decline in drilling permits was recorded in Louisiana when only seven new wells were authorized by the minerals division of the State Conservation Commission as compared to 11 new wells authorized for the week ending October 24. The last week's record was one of the lowest in new wells in the state in several months.

Permits for only two new wells were issued in North Louisiana during the week, one of these being for Bossier parish and one for Union parish. In Bossier parish the Arkansas Natural Gas Corporation secured permit to drill Horton-Prince No. 5 in section 30-16-11. In the wildcat area of Union parish, J. E. Cammattee and associates secured permit to drill Tugwell No. 2, in section 21-22-1E. The same operators secured permit to abandon No. 1 on the same lease in the same section.

Five new wells were authorized for south Louisiana. The south Louisiana permits were distributed between Calcasieu parish with one, Cameron parish with two, Jefferson Davis with one

Louisiana.
 Webster parish (Gleason)—Magnolia Petroleum Company, Lewis No. 1, section 25-23-10, at 3,223 feet, salt water, abandoned.
 Caddo parish (Pine Island)—Magnolia Petroleum Company, Levee Board No. 3, section 7-20-15, at 3,012 feet, 270 barrels.
 Bossier parish (Bellevue)—Morgan Oil Company, Smith No. 1, section 26-19-11, at 1,865 feet, dry, abandoned.
 Union parish (Norma)—Carter & Wingfield, Clark A-2, section 7-23-1E, at 2,295 feet, 20 barrels.
 Union parish (Wilhite)—Woodley & Fox, McLeod No. 1, section 13-19-1E, at 3,011 feet, dry, abandoned.
 Claiborne parish—Gulf Refining Company, Langston No. 17, section 19-21-7, at 1,284 feet, 15 barrels.
 Ouachita parish (Monroe)—Jordan Drilling Company, Cole No. 3, section 1-18-3E, at 2,193 feet, 4,284,000 cubic feet of gas.
 East Texas.
 Shelby county (Joaquin)—Gulf Refining Company, Pickering Lumber Company, G. H. Patterson headright survey at 3,382 feet, 154 barrels flowing.

Harrison county (Waskom)—Nick Barbare, Furrh No. 4 A-1, J. Short headright survey, at 2,370 feet, 1,000,000 cubic feet of gas.
 Panola county (Bethany)—Charles W. White, Robinson No. 1, James Matthews headright survey, at 2,660 feet, 20,000,000 feet of gas.
Arkansas.
 Calhoun county (Bialock)—Amerada Petroleum Company, Matlock No. 1, section 10-12-13, at 3,744 feet, dry, abandoned.
 Union county (Rainbow City)—E. M. Jones, J. F. Sample No. 1, section 7-17-13, at 3,196 feet, 35,000,000 feet of gas. Lion Oil and Refining Company, Union Sawmill Company No. 4, section 7-17-13, at 3,096 feet, 80 barrels flowing; Ohio Oil Company, W. R. Crain No. 9, section 1-17-14, at 3,014 feet, 750 barrels oil; Ohio Oil Company, C. B. Nash No. 1, account No. 2, section 6-17-13, at 3,027 feet, 176 barrels; J. W. Olvey, J. F. Sample No. 1, section 7-17-13, at 3,257 feet, salt water, abandoned.

A rise of 11,381 barrels in the daily average production of the Rainbow City-El Dorado, district which rose to 22,280 barrels during the week, gave the tri-state oil territory of north Louisiana, south Arkansas and east Texas a net gain of 9,666 barrels and put the daily average for the territory at 130,260 barrels. Louisiana yield fell 475 barrels to a level of 37,390 barrels but Arkansas' net gain of 10,141 barrels, the average for the week being 92,870 barrels gave the territory a substantial net increase. Heavy Smackover fell 1,280 barrels to a level of 53,670 barrels.

Drilling activity in Louisiana remained on an even keel for the week as compared to the week ending November 14, 13 new wells being authorized by the minerals division of the State Conservation Commission during the last week as compared to 14 drilling permits the week before.
 Three north Louisiana wildcats are included among the drilling permits for the last week. In Bienville parish, W. P. Wallace secured permit for drilling W. M. Ashley No. 1 in section 15-16-10. In DeSoto parish Thorn Oil Company will drill Burford No. 1 in

section 22-14-14 and in Union parish Carter and Wingfield who are drilling a series of wildcat tests in the Norma area secured a permit to drill another well, their Hudson No. 3 in section 7-23-1E.

Besides the wildcats mentioned, other drilling permits during the last week were divided as follows: Bossier parish, one; Calcasieu parish (south Louisiana), two; Cameron parish (south Louisiana), one; Claiborne parish, one; Iberia parish (south Louisiana), one; La Salle parish, one; Ouachita parish, one; Red River parish, one; and Webster parish, one. The latter is Magnolia Petroleum company's Ira Cox No. 4 in section 23-21-10 and probably will be a Trinity sand deep test.

The last week also accounted for one permit to deepen; three to abandon temporarily; one to sidetrack; and fifteen to abandon. The week before had recorded three permits to deepen; three to "shoot" and five to abandon.

Abandonments for the last week were divided among the following parishes: Acadia, two; Bossier, three; Caddo, two; Calcasieu, one; Claiborne, three; De Soto, one; Iberia, one; La Fourche, one; and Union one. The permit to deepen was in Calcasieu, the three to abandon temporarily were in Bossier, Ascension and Grant, with one each; and the sidetracking is for Iberia parish.

WEEKLY REVIEW OF THE OIL INDUSTRY

Sabine Parish Fields Holds Limelight Following Completion of Wildcat.

Special to the Gazette.
 Shreveport, La., Dec. 1.—Sabine parish, La., scene of many a wildcat operation ranging from shallow tests to those a mile deep, held the limelight in the oil and gas activity of North Louisiana, south Arkansas and East Texas, for the last week by the completion of R. L. Gay's Bowman-Pickering

No. 2 in section 14-7-14 at total depth of 2,130 feet which is making oil of 41 gravity by heads. The well is a rank wildcat, being located nine miles west of Zwolle, La., and twenty miles from nearest production which is in the Pleasant Hill field.

Estimates of the yield of the new well vary from 25 barrels daily to 1,000 barrels, the latter figure having been placed by the owners. Scouts who have visited the well place the yield at less than 100 barrels, some as low as 25 barrels a day. The heads, the latter reports say, are making only about a barrel each and are being made hourly.

There have been several tests drilled in the vicinity of the Boman-Hicks test, some going as deep as 4,000 feet. A series of shallow wells showing a very viscous heavy oil around 700 feet have also been drilled in the vicinity. Pleasant Hill, the only producing field in the parish, once bade fair to be a large field but salt water encroachment stopped its expansion.

Probably the most interesting completion in south Arkansas was that of Root Refineries in their Mullins No. 1 in section 21-17-14, an offset to the same company's Jerry No. 1 in the same section. The Mullins well on the beam is pumping ten barrels of oil daily and 250 barrels of salt water from 2,828 feet. The two Root Refinery wells are midway between western production in Rainbow City and the northeast end of production in the old El Dorado East field.

One good gusher and two salt water holes was the total of the week's yield in the northeast part of Rainbow City. Ohio Oil Company's C. B. Nash No. 2, Account No. 1 in section 6-17-14, was the gusher. It is flowing 1,052 barrels of clean oil from total depth of 3,032 feet with 12 feet of sand. The same company's Carroll No. 1 in section 6-17-13 after being deep-ended to 3,605 feet tested salt water and was abandoned. Ohio Oil Company also added Crain No. 4 in 1-17-14 at 3,174 feet as a failure, the well testing salt water.

On the south side of the old Rainbow field, Lion Oil and Refining Company added two wells, Rowland No. 2 and Rowland No. 5, the former pumping 13 barrels of oil from total depth of 2,880 feet and the latter blown with air yielding 70 barrels of oil daily along with 2,000 barrels of salt water.

Two interesting Arkansas wildcats were in the failures' list for the week. McKenzie Oil Company junked and abandoned Eakins No. 1 in section 9-11-19W, Clark county, Ark., at a depth of 1,700 feet. In Carter No. 1 in section 33-10-6, Lincoln county, Pine Prairie Oil and Gas company, tested dry and abandoned the test at 2,126 feet.

The first official completion in a new deep sand in Panola county, East Texas, was added during the week when D. Thomason's Crenshaw No. 11 in the E. C. Jordan headright survey was completed as a 25 million foot dry gasser at 2,660 feet. This is 700 feet below the deepest pay heretofore encountered in that area.

An interesting gasser completed in Caddo parish, La., was that of Woodley Petroleum company in its Whitehurst No. 2 in township 16 range 12 in an unsectioned area near the city limits of Shreveport which was completed at 2,475 feet making six million feet of gas.

Gulf Refining Company has killed its Pickering Lumber company No. 1 in the Patterson headright survey of Shelby county, Texas, completed in rank wildcat territory two weeks ago as a 154 barrel well. The well was killed with baroids at 3,382 feet and is drilling around 3,385 feet in lime. The well flowed 14 days but the yield had dropped to 30 barrels daily.

Louisiana.
 Bossier parish (Sarepta)—Arkansas Natural Gas Company, Wilkinson No. 1, section 5-22-11, salt water, abandoned, at 3,068 feet.

Bossier parish (Bellevue)—Morgan Oil Company, Smith No. 2, section 26-19-11, dry abandoned at 500 feet.

Caddo parish (Shreveport)—Woodley Petroleum Company, Whitehurst No. 2, section 16-12, at 2,475 feet, six million feet of gas.

LaSalle parish (Urania)—Randall et al., Urania No. 1, section 12-10-1E, dry abandoned 700 feet.

Morehouse parish (Spencer)—Natural Gas Products Co., Fee No. 1, section 9-20-4E, 9,936,000 cubic feet of gas.

Webster parish (Shongaloo)—Virgil Helm, Maxwell No. 1, section 7-22-9, 9 1-4 million feet of gas, at 2,680 feet. Magnolia Petroleum Company, W. P. Bond No. 1, section 5-22-9, 6,730,000 cubic feet of gas; Ohio Oil Company, Haynes No. 1, section 30-23-9, salt water abandoned at 2,709 feet.

Union parish (Norma)—H. C. McDonald, Union Sawmill No. 1, section 18-23-1E, salt water abandoned at 2,805 feet.

Union parish (Monroe)—Moody & Seagraves, Dawkins No. 1, section 17-20-4E, at 2,140 feet, 12,232,000 feet of gas.

East Texas.
 Red River county—Bert Longenheim, Atkinson No. 1, Lonson-Moore head-

right survey, at 1,065 feet, dry abandoned.

Harrison county—McRitchie et al., Mrs. A. C. Baldwin No. 1, E. M. Fuller headright survey, at 2,180 feet, dry, abandoned.

Panola county—D. Thomason, Crenshaw No. 11, B. C. Jordan headright survey, at 2,660 feet, 25 million feet dry gas.

South Arkansas.
 Clark county (Whelan)—McKenzie Oil Company, Eakin No. 1, section 9-11-19W, junked and abandoned at 1,700 feet.

Lincoln county (Tyro)—Pine Prairie C. & G. Co., Carter No. 1, section 33-10-6, dry and abandoned at 2,126 feet.

O. & R. Company, Rowland No. 2, section 15-17-14, at 2,980 feet, pumping 13 barrels oil; Rowland No. 5, section 15-17-14, at 3,207 feet, blowing with air 70 barrels oil, 2,000 barrels salt water; Ohio Oil Company, Carroll No. 1, section 6-17-13, at 3,005 feet, salt water abandoned; Crain No. 4, section 1-17-14, at 3-174 feet, salt water, abandoned; C. B. Nash No. 2 Account No. 1, section 6-17-13, at 3,032 feet, flowing 1,052 barrels oil; Root Refineries, Mullins No. 1, section 21-17-14, at 2,828 feet, 10 barrels oil, 250 barrels salt water.

WEEKLY REVIEW OF THE OIL INDUSTRY

Louisiana and South Arkansas Fields Vie for Development Honors.

Shreveport, La., Dec. 8.—Completion of two large gushers in the northeast extension of the Rainbow City field in Union county, Ark., addition of another Trinity sand gas well in Cotton Valley, La., and official completion of a rank wildcat in Sabine parish, La., as a 50 barrel pumper, were the high lights of the week in the oil and gas territory of North Louisiana and South Arkansas.

Ohio Oil Company's C. B. Nash No. 3 Account No. 1 in section 6-17-13, completed as a 1,563 barrel gusher at 3,020 feet, was the largest well of the week and one of the Northeast Rainbow City gushers. The other big well added in that area was Lion Oil Refining Company's C. B. Nash No. 3 in section 6-17-13, completed at 3,062 feet, flowing 700 barrels daily of clean oil.

Only two other wells were completed in Arkansas during the week, both being in the northeast part of Rainbow City. They were Magna Production Company's El Dorado Realty Company No. 2 in section 7-17-13, which is making 180 barrels of oil and 20 barrels of salt water from 3,091 feet, and Magnolia Petroleum Company's Carroll No. 4 in section 1-17-14 deepened to 3,010 feet and now pumping 80 barrels daily.

In Sabine parish, La., R. L. Gay, Trustee's, Bowman-Hicks No. 2 in section 14-7-14, was listed as a commercial well of 50 barrels capacity from 2-130 feet in the Nacatosh sand. The

well is flowing oil of 41.4 gravity. Two new locations have been made by the same owner and a tract of 5,000 acres north of the producer have been bought. The well is 20 miles from nearest production.

Superior Oil Company added another Trinity deep sand gasser in Cotton Valley when its McCook & Hibbler No. 1 in section 21-21-10 came in at 4,679 feet with 329 feet of broken lime and gauged 23,600,000 cubic feet.

Another important development of the week was the completion as a producer of Northwest Louisiana Gas Company's Pinewoods Lumber Company No. 7 in section 37-23-11 as a 35 barrel pumper. The well has total depth of 3,041 feet with 38 feet of broken formation. It is a wildcat on the southeast corner of the Cartersville gas area near where Magnolia Petroleum Company recently completed a 150 barrel pumper. Several small wells were completed around 2,700 feet on the Pinewoods lease in 1923 but other drilling operations were not so successful and it was not until the discovery of Cartersville as a gas field that drilling there was renewed.

However, the same company on its Pinewoods No. 8 in the same section brought in a salt water hole during the week at total depth of 3,418 feet. Gulf Refining Company has deepened its Pickering Lumber Company No. 1 in the Patterson headright survey of Shelby county East Texas, a wildcat completed at 3,382 as a 154 barrel well, to total depth of 3,443 feet where it again came in as a 50 barrel well along with 4,000,000 feet of gas. The Gulf has made location for a second well on the Caraway tract two and one-eighth miles north of the present producer. The oil is of 38 gravity.

Altogether the tri-state area during the week added six producers with a combined initial yield of 3,128 barrels. The last week also accounted for four gassers and three failures, as compared to four producers, with a combined initial output of 1,145 barrels, six gassers and 11 failures for the preceding seven-day period.

Completions for the week were as follows:
Louisiana.
 Webster parish (Spring Hill)—North-

west Louisiana Gas Company, Pinewoods Lumber Company No. 7, section 37-23-11, at 3,041 feet, 35 barrels, pumping; Pinewoods Lumber Company No. 8, section 37-23-11, at 3,418 feet, salt water, abandoned.
 Webster parish (Cotton Valley)—Superior Oil Company, McCook & Hibbler No. 1, section 21-21-10, at 4,697 feet, 23,600,000 cubic feet of gas.
 Bossier parish (Wistar)—Barrett & Morgan, Murf No. 1, section 16-17-11, at 2,516 feet, dry, abandoned.

Bienville parish (Bisteneau)—Baca Drilling Company, State No. 1, section 16-18-10, at 2,361 feet, dry, abandoned (second completion).

Sabine parish (Carter's Ferry)—R. L. Gay, Trustee, Bowman-Hicks No. 2,

section 14-7-14, at 2,130 feet, 50 barrels.

Ouachita parish (Monroe)—Arkansas Natural Gas Corporation, Potts No. 1, section 30-14-4E, at 2,186 feet, 2,700,000 cubic feet of gas.

Richland parish (Lucknow)—Magnolia Petroleum Company, M. L. McCoy No. 1, section 29-16-6E, at 2,450 feet, 19,512,000 feet of gas.

East Texas.
 Panola county (Lucknow)—Natural Gas Products Company, Tom Moore No. 2, B. C. Jordan headright survey, at 2,695 feet, 6,000,000 feet of gas.

Arkansas.
 Union county (Rainbow City)—Lion Oil Refining Company, C. B. Nash No. 3, section 6-17-13, at 3,062 feet, 700 barrels; Magna Production Company, El Dorado Realty Company, No. 1, section 7-17-13, at 3,091 feet, 180 barrels; Magnolia Petroleum Company, Carroll No. 4, section 1-17-14, at 3,010 feet, 80 barrels, pumping; Ohio Oil Company, C. B. Nash No. 3, Account No. 1, section 6-17-13, at 3,020 feet, 1,563 barrels, flowing.

Daily average production in north Louisiana and south Arkansas showed a drop of 440 barrels, going to a level of 118,225 barrels for the week ending December 5. Although Rainbow City-El Dorado yield dropped 120 barrels daily to 17,100 barrels for the week, heavy Smackover rose 1,270 barrels and gave Arkansas a net gain of 265 barrels, the average for the last week being 81,230 barrels.

Louisiana yield fell 505 barrels to a level of 36,995 barrels. A drop of 210 barrels in light Caddo yield which fell to 9,050 barrels, accounted for part of the decline in the state.

WEEKLY REVIEW OF THE OIL INDUSTRY

Two Wildcats in DeSoto Parish Feature Developments.

Shreveport, La., Dec. 15.—Two wildcats in DeSoto parish, La., that may mean the linking of the Naborton oil and gas field in DeSoto parish with the Elm Grove gas field in Bossier parish, the two fields being more than 20 miles apart, were the features of the week in the oil and gas territory of North Louisiana, south Arkansas and east Texas.

Neither of the wells has been officially completed but one has swabbed considerable oil at a depth of 1,761 feet and the other came in as a 25,000,000 foot gasser with a spray of salt water at 2,633 feet. The former well is Rock Petroleum Company's Pierson No. 1 in section 12-14-11 which swabbed 40 barrels of oil before bridging over.

This well is about midway between the two older fields. Five miles southwest of this well and about seven miles north and east of Naborton production and 11 miles south and west of Elm Grove, Benedum and Trees' State No. 1 came in as the linking gasser. It's gas will be used as fuel to drill another test nearby.

Rainbow City was comparatively quiet during the last week, the north east extension adding but one producer, that being Marine Oil Company's J. F. Sample Company No. 4 in section 7-17-13 completed at 3,085 feet and flowing 200 barrels of oil daily.

The old Calhoun part of Smackover furnished a 30-barrel pumper in Little Fay Oil Company's H. Primm No. 2 completed at 2,050 feet. The Humble Oil and Refining Company added another producer in the Nevada county area in J. Haynie No. 1 in section 6-20-14 which is pumping 25 barrels. Magnolia Petroleum Company completed Ribertshaw No. 23 in section 23-21-15, Caddo parish, Pine Island as a 300 barrel well at 2,785 feet. This quartet of wells comprised the new producers for the week, their combined initial being 280 barrels as compared to six producers with a combined yield of 3,128 barrels the week before.

The last week also account for four gassers and five failures as compared to four gassers and three failures the preceding seven-day period.

The five failures were all important wildcat tests. In Union parish Louisiana Carter and Wingfield tested dry and abandoned Security Trust No. 3 in section 23-23-1W at 3,502 feet. In Sabine parish, Doern and associates abandoned their deep test in Pickering Lumber Company No. 1 in section 17-4-11 at 4,330 feet, it being a duster. Palmer Corporation had similar results in Carroll Land Co. No. 1 in section 21-19-11E in East Carroll parish.

In Ashley county, Ark. Atlantic O. P. Company junked and abandoned Moffatt No. 1 in section 28-16-8 at total depth of 3,951 feet. In Chicot county S. D. Hunter had the same result in Sawyer No. 1 in section 19-18-2 at total depth of 3,321 feet.

Completions for the week were as follows:
Louisiana.
 Union parish (Norma)—Carter & Wingfield, Security Trust No. 3, section 23-23-1W, at 3,502 feet, dry and abandoned.

Caddo parish (Pine Island)—Magnolia Petroleum Company, Robertsshaw No. 23, section 23-21-15, at 2,785 feet, flowing 30 barrels through tubing.

Sabine parish (Zwolla)—Doern et al, Pickering Lumber Company No. 1, section 17-4-11, at 4,330 feet, dry and abandoned.

Morehouse parish (Monroe)—Stovall Drilling Company, Etheridge No. 1, section 22-20-4E, at 2,157 feet, 12 million feet of gas, United Carbon Company.

Wright No. 1, section 10-20-4E, at 2,156 feet, 45 million feet of gas.
 East Carroll parish—Palmer Corporation, Carroll Land Company No. 1, section 21-19-11E, at 3,141 feet, dry and abandoned.

Richland parish (Lucknow)—Richland Operating Company, Traylor No. 1, section 24-16-6E, at 2,474 feet, four million feet of gas.

DeSoto parish (Naborton)—Louisiana Public Utilities Company, Rambin No. 1, section 13-12-12, at 797 feet, two million feet of gas.

Arkansas.
 Nevada county, Stephens)—Humble O. & R. Co., J. Haynie No. 1, section 6-14-20, at 1,147 feet, 25 barrels pumping.

Ouachita county (Calhoun)—Little Fay Oil Company, H. Primm No. 2, section 23-15-16, at 2,050 feet, 30 barrels pumping.

Ashley county (Harburg)—Atlantic Oil Producing Company, Moffatt No. 1, section 28-16-8 at 3,951 feet, junked abandoned.

Chicot county (Eudora)—S. D. Hunter, Sawyer No. 1, section 19-18-2, at 3,321 feet, junked abandoned.

Union county (Rainbow City)—Marine Oil Company, J. F. Sample Company, No. 4, section 7-17-13, at 3,085 feet, 200 barrels flowing.

Gains of 580 barrels in Rainbow City and of 1,020 in heavy Smackover gave Arkansas a net increase of 2,157 barrels in daily average oil production for the week and caused a net rise of 2,047 barrels in the average daily output of North Louisiana and south Arkansas. The average for last week in the sister states was 120,272 barrels.

Louisiana yield dropped 110 barrels to 36,885 barrels caused by small recessions in several districts.

WEEKLY REVIEW OF THE OIL INDUSTRY

Pre-Christmas Lull Experienced in Tri-State Drilling Area.

Shreveport, La., Dec. 22.—A very quiet week before the Christmas holidays was experienced in the North Louisiana-South Arkansas-East Texas oil and gas territory. Completions were at a low ebb, a single oil well being added in the tri-state area.

Interest was centered in Joe Hurley's Arkansas Land and Timber Company No. 1, in section 29-16-12, Calhoun county, Ark., where an oil sand was cored at a depth of 2,304 to 2,314 feet. Arrangements are being made to set a string of six and five-eighths-inch casing for a test in wildcat territory in the vicinity of Moro Bay. It is the most interesting wildcat drilled in South Arkansas since E. M. Jones' Stegall B-2, in section 10-18-14 was abandoned some weeks ago.

While there was not an oil producer added in the territory during the week there were five gassers, three being in Louisiana and two in Arkansas, both in the latter state being in Rainbow City. The week also recorded four failures. The week before had added four producers with a combined initial of 280 barrels as well as four gassers and five failures.

The Monroe gas field accounted for the trio of Louisiana gassers during the last week. In Morehouse parish Natural Gas and Products Company, completed Tensas Delta No. 13, in section 34-22-4E, at 2,203 feet, making three million feet of gas. In the Ouachita parish portion of the field, Magnolia Petroleum Company added Millsaps No. 3, in section 26-20-4E, at 2,195 feet as a two-million foot well, while Consumers Gas and Products Company's Slaughter No. 2 in section 24-19-4E, was good for only 600,000 feet at 2,223 feet.

The Arkansas gassers were Magnolia Petroleum Company's W. K. Gregory No. 2, in section 15-17-14 on the southeast edge of the field estimated at 40 million feet, from depth of 2,823 feet and Skelly Oil Company's Kelly No. 1, in section 9-17-14, making a similar yield at 2,830 feet.

The four failures were all interesting wildcats. In Bossier parish, the Triangle Drilling Company and others went to 4,558 feet before abandoning Bulky No. 1, in section 9-20-13 as a salt water hole. Tidal Oil Company abandoned McCrary No. 1, in section 23-19-16, at 2,500 feet as a salt water hole, while the Texas Company's Hamlin Estate, No. 1 in section 28-10-13, was a duster at 4,304 feet. This well had shown considerable gas around the 3,700-foot level. The Imperial Oil and Gas Company completed its Goodwin No. 1, in section 26-17-16, a wildcat area of Union county, Ark., as a failure at 3,139 feet. The well tested salt water for the third time.

Recessions in Smackover heavy and Rainbow City-El Dorado gave the daily average oil production of North Louisiana and South Arkansas a net decline of 982 barrels for the week ending December 19. The average for the last week was 119,290 barrels as compared to 120,272 barrels the week before.

Smackover heavy fell 1,665 barrels to 53,325 barrels, while Rainbow City-El

Dorado declined 595 barrels to 17,885 barrels.

Louisiana rose 870 barrels to 37,755 barrels. Production figures in Louisiana for the last week are: Caddo, light, 9,185, increase of 195 barrels; Caddo, heavy, 2,900 barrels, unchanged; Red River-DeSoto-Sabine, 5,270, increase of 165 barrels; Cotton Valley, 3,765, decline of 155 barrels; Haynesville, 5,680 barrels, increase of 270 barrels; Homer, 3,845 barrels, increase of 95 barrels; Urania, 5,960 barrels, increase of 150 barrels; Bellevue, 805 barrels, increase of 85 barrels; Little Creek, 345 barrels, increase of 65 barrels.

Arkansas districts had the following production for the week: Rainbow City—El Dorado, 17,085 barrels, decline of 595 barrels; Smackover, light, 7,150, increase of 540 barrels; Smackover, heavy, 53,325 barrels, decline of 1,965 barrels; Lisbon, 1,505 barrels, decline of three barrels; Stephens, 1,155 barrels, increase of 51 barrels; Nevada county, 1,355 barrels, increase of 125 barrels.

Approach of the Christmas holidays caused a recession in drilling in Louisiana for the week ending December 19 only seven drilling permits being issued for that week, according to figures announced by the minerals division of the State Conservation Commission. Fifteen new wells were authorized in the state the previous week.

Besides these permits there were also nine permits to abandon, one to pull casing and one to abandon temporarily as compared to two permits to deepen, and 15 to abandon during the preceding seven days.

Pine Island in Caddo parish obtained two of the new wells authorized during the last week, Dixie Oil Company securing permits for F. M. Hobbs No. 5 in section 21-21-15 and for G. E. Wells B-3 in section 10-21-15.

Other parishes securing new wells during the week are: Ascension parish, one; Calcasieu parish, one; St. James parish, one; Union parish, one; and Webster parish, one.

Among the permits to abandon were several interesting wildcats among them being the Triangle Drilling Company's Bulkley No. 1 in section 1-20-13, Bossier parish, which went below 4,500 feet and S. P. Borden's L. & A. Oil Company No. 2 in section 1-15-8, which was abandoned in Bienville parish below 2,500 feet.

Completions for the week were as follows:

Louisiana.

Bossier parish (Belcher)—Triangle Drilling Company et al, Bulkley No. 1, section 9-20-13, at 4,558 feet, salt water, abandoned.

Caddo parish (Blanchard)—Tidal Oil Company, McGrary No. 1, section 23-19-16, at 2,50 feet, salt water, abandoned.

Sabine parish (Spider)—Texas Company, Hamlin Estate No. 1, section 28-10-13, at 4,304 feet, dry abandoned.

Morehouse parish (Monroe)—Natural Gas Products Company, Tensas Delta No. 13, section 34-22-4E at 2,203 feet, three million feet gas.

Ouachita parish (Monroe)—Magnolia Petroleum Company, Millsaps No. 3, section 26-20-4E at 2,195 feet, two million feet gas; Union Consumers Gas & Products Co., Slaughter No. 2, section 24-19-4E at 2,233 feet, 600,000 cubic feet of gas.

Arkansas.

Union county (El Dorado)—Imperial Oil & Gas Company, Goodwin No. 1, section 26-17-16 at 3,139 feet, salt water, abandoned (third completion).

Union county (Rainbow City)—Magnolia Petroleum Company, W. K. Gregory No. 2, section 15-17-14, at 2,823 feet, 40 million feet gas; Skelly Oil Company, Kelley No. 1, section 9-17-14, at 2,830 feet, forty million feet gas.

WEEKLY REVIEW OF THE OIL INDUSTRY

Six Producers Add 1,234 Barrels to Initial Production in Two States.

Special to the Gazette. Shreveport, La., Dec. 29. — Despite the Christmas intermission the last week in the oil and gas territory of north Louisiana, south Arkansas and east Texas, was one of the most prolific in several months.

A total of six producers with a combined initial yield of 1,234 barrels were added during the week, four of the producers being in Rainbow City. Two of the Rainbow City wells were of gusher proportions, one being in the northeast extension and one being a deepening of a well in the older field in section 10-17-14. The latter well is C. E. Murdock and associates Gregory No. 1 flowing 500 barrels of oil after being deepened and completed for the third time at total depth of 3,207 feet. The northeast extension gusher is Ohio Oil Company's J. S. Alphin No. 1 in section 7-17-13 completed in seven feet of broken sand at total depth of 3,039 feet and flowing 594 barrels.

The other Rainbow City producers are C. E. Murdock's Union Sawmill No. 2 in section 6-17-13 at a total depth of 3,006 feet flowing 60 barrels daily and Magnolia Petroleum Company's G. C. Dumas No. 2 in section 11-17-14 which is pumping 15 barrels daily from 3,227 feet.

Dixie Oil Company added Files and Mabry No. B-6 in section 14-21-15, Caddo parish, Pine Island field, as a

40-barrel well in the Trinity sand at 3,800 feet during the week.

A rank wildcat in Red River parish, Louisiana, near where several wells existed several years ago before inroads of Red River caused them to cave into the river channel, was completed during the week by Rock Petroleum Company in Pierson No. 1 in section 12-14-11 at total depth of 1,761 feet. This well is another connecting link between Elm Grove gas field production several miles to the north of the new producer and the old Naborton field in DeSoto parish several miles to the south.

A wildcat gasser about six miles southwest of the new well and 900 feet below its level completed several

weeks ago lent color to a possible linking of the two areas.

Besides the six producers completed during the week there were also five gassers and one failure as compared to no producers, five gas wells and four failures recorded the preceding seven-day period.

Completions for the week were as follows:

Louisiana.

Webster parish (Shongaloo)—Magnolia Petroleum Company, M. Branton No. 1, section 5-22-9, at 2,369 feet, six million cubic feet of gas.

Caddo parish (Pine Island)—Dixie Oil Company, Files & Mabry B-6, section 14-21-15, at 3,800 feet, 40 barrels pumping.

Red River parish (Howard)—Rock Petroleum Company, Pierson No. 1, section 12-14-11 at 1,761 feet, 25 barrels pumping.

Morehouse parish (Monroe): Natural Gas Products Company, Crossett Lumber Company No. 21, section 22-21-4E at 2,167 feet, 12,000,000 feet gas; Southern Carbon Company, Tensas Delta No. 7, section 22-21-4E at 2,161 feet, 13,000,000 feet gas.

Ouachita parish (Monroe): Pipes & Mack, Wright No. 1, section 11-18-4E at 2,210 feet, 1,000,000 feet gas.

Richland parish (Lucknow): Richland Production Company, Sartor D-1, section 32-16-6E, at 2,450 feet, 11,000,000 feet gas.

Arkansas.

Union county (Upland): Stark and associates, Powell No. 1, section 35-18-15 at 3,510 feet, dry abandoned.

Union county (Rainbow City): Magnolia Petroleum Company, W. K. Gregory No. 2, section 15-17-14, 35,000,000 feet dry gas; C. E. Murdock et al., Gregory No. 1, section 10-17-14, at 3,207 feet, 500 barrels oil (third completion); Union Sawmill Company No. 2, section 6-17-13, at 3,006 feet, 60 barrels flowing; Ohio Oil Company, J. S. Alphin No. 1, section 7-17-13, at 3,039 feet, 594 barrels flowing; Magnolia Petroleum Company, G. C. Dumas No. 2, section 11-17-14, at 3,227 feet, 15 barrels pumping; Skelly Oil Company, Kelly No. 1, section 9-17-14, at 2,757 feet, 35-million feet dry gas.

Recessions in both North Louisiana districts and in south Arkansas fields especially in Rainbow City-El Dorado and heavy Smackover, caused a drop of 3,689 barrels in the daily average oil production of the two states. The average for the last week was 115,601 barrels.

Arkansas fell 2,633 barrels to a level of 78,902 barrels, Rainbow City-El Dorado dropped 1,590 barrels to 15,495 barrels for the week. Heavy Smackover's drop was 675 barrels. This field declined to 52,750 barrels for the week. Louisiana's output declined 1,056 barrels to 36,699 barrels. Caddo light went up 145 barrels to 9,330 barrels. Heavy Caddo receded 197 barrels to 2,703 barrels; Red River-De Soto-Sabine dropped 261 barrels to 5,009 barrels; Cotton Valley's decline was 213 barrels to 3,552 barrels; Bellevue's recession was 125 barrels to 680 barrels; 115 barrels to 3,730 barrels; Haynesville's drop was 130 barrels to 5,550 barrels; Urania receded 110 barrels to 5,850 barrels while Little Creek fell 50 barrels to 295 barrels.

Besides heavy Smackover and Rainbow City-El Dorado, light Smackover in Arkansas declined 230 barrels to 6,920 barrels; Lisbon fell 25 barrels to 1,480 barrels Stephens was off 120 barrels to 1,035 barrels and Nevada county fell 93 barrels to 1,222 barrels.

Due to the Christmas intermission, only eight drilling permits were issued for tests in Louisiana according to the minerals division of the State Conservation Commission. The week before saw seven drilling permits issued. Parishes securing new wells during the week are: Caddo, two; Cameron, two; Iberia, one; Morehouse, one; and Ouachita, one.

Besides the drilling permits there were also four permits to abandon and one to deepen. The week before had recorded nine permits to abandon, one to sidetrack, one to pull casing and one to abandon temporarily. Parishes having wells abandoned during the last week are: Acadia, one; Bossier, one; Caddo, two. The deepening is in Calcasieu parish.

WEEKLY REVIEW OF THE OIL INDUSTRY

Holiday Lull Reflected in Initial Yield of Arkansas-Louisiana Fields.

Special to the Gazette. 1/6/29

Shreveport, La., Jan. 5.—The lull of the holiday season continued to be reflected in the weekly oil report for the north Louisiana, south Arkansas, east Texas territory, for the last week, only four producers, all in proven territory having been completed. The combined initial oil yield for the quarter of producers totaled 366 barrels.

This was a decline from the record of the previous week when six producers with a combined yield of 1,234 barrels.

The last week's producers were distributed through three Arkansas districts, two of the oil wells being in the Rainbow City field of Union county. The Humble Oil and Refining Company added its Groves D-2 in section 6-14-20 in the Stephens district of Nevada county as a 25-barrel pumper. In the Calhoun district of Ouachita county the Little Fay Oil Company completed H. Primm No. 3 in section 24-15-16 as a 30-barrel pumper.

In Rainbow City H. L. Hunt, Inc. in the old portion of the field added Gregory No. 3 in section 10-17-14 at 3,259 feet, flowing 211 barrels of oil by heads. In the northeast extension of the field the Lion Oil and Refining Company added C. B. Nash No. 2, a flowing 100-barrel well, at a total depth of 3,051 feet.

The only other Arkansas well recorded was Tate & Morefield's W. W. Smith No. 1 in section 6-18-13, Union county, a wildcat, which was dry and abandoned at 3,302 feet.

Louisiana accounted for three gassers and two failures while east Texas added three gassers. This gave the tri-state area besides the four producers a total of six gassers and three failures as compared to five gassers and one failure the preceding week.

Two interesting Louisiana wildcats made two of the week's failures, Doern and associates' deep test in Bolinger No. 1 in the Curry Junction district of Bossier parish tested salt water and was abandoned at 4,317 feet. R. O. Roy, who last August completed a wildcat gasser in DeSoto parish, encountered misfortune in his second test in that area, his Whittaker No. 1 in section 4-13-13 testing salt water and being abandoned at 2,950 feet.

With four sands in the Panoa county (Bethany) gas field, that area is one of the most active in the tri-state area. There are eighteen rigs operating in that field. Approximately 20 rigs are running in the Pine Island field of Caddo Parish, La., while Rainbow City continues the most active district in the entire territory with twenty-nine wells being drilled in that district.

Completions for the week were as follows:

Louisiana.

Webster parish (Shongaloo): Magnolia Petroleum Company, H. H. Branton No. 1, section 5-22-9, 5,499,000 cubic feet of gas at total depth of 2,706 feet.

Bossier parish (Curry Junction): Doern and associates, Bolinger No. 1, section 9-22-11 at 4,317 feet, salt water, abandoned.

DeSoto parish (Frierson): R. O. Roy, Whittaker No. 1, section 4-13-13, at 2,950 feet, salt water, abandoned.

Ouachita parish (Monroe): West Virginia Oil and Gas Company, Fee No. 6, section 6-18-4E at 2,203 feet, 2,757,000 cubic feet gas.

Richland parish (Boughton): Ouachita Natural Gas Company, Pardue No. 4, section 5-15-6E at 2,440 feet, 48,816,000 cubic feet gas.

East Texas.

Panola county (Bethany): Eureka Natural Gas Company, Gully No. 1, James Matthews headright survey, at 960 feet, 4,000,000 feet gas; Magnolia Petroleum Company, L. Fletcher No. 2, B. C. Jordan headright survey at 2,560 feet, 47,556,000 cubic feet gas; Texas Company, T. C. Adams A-7, Lacy headright survey, at 958 feet, 3,000,000 feet gas.

Arkansas.

Nevada county (Stephens): Humble Oil and Refining Company, Groves D-2, section 6-14-20, at 1,140 feet, 25 barrels. Ouachita parish (Calhoun): Little Fay Oil Company, H. Primm No. 3, section 24-15-16, at 2,084 feet, 30 barrels pumping.

Union county (Rainbow City): H. L. Hunt, Inc., Gregory No. 3, section 10-17-14, at 3,259 feet, 211 barrels; Lion Oil and Refining Company, C. B. Nash No. 2, section 6-17-13, at 3,051 feet, 100 barrels.

Union county (Hillsboro): Tate and Morefield, W. W. Smith No. 1, section 6-18-13, at 3,302 feet, dry abandoned.

Recessions in both Louisiana and Arkansas fields gave the daily average oil production in the north Louisiana-south Arkansas a decline of 1,000 barrels. The average for the last week in the two states was 114,601 barrels.

Rainbow City-El Dorado made a slight gain mounting 45 barrels to 15,540 barrels. Heavy Smackover made the sharpest decline in the two states falling 230 barrels to 52,520 barrels. The net drop in Arkansas was 183 barrels,

the average for the last week being 78,719 barrels. Louisiana fell 817 barrels to a level of 35,882 barrels.

Caddo light fell 470 barrels to 8,860 barrels; Caddo, heavy, dropped 243 barrels to 2,460 barrels; Red River-DeSoto-Sabine rose eleven barrels to 5,020 barrels; Homer dropped 30 barrels, to 3,700 barrels; Haynesville was off 50 barrels to 5,500 barrels; Cotton Valley was stationary at 3,552 barrels. Bellevue rose 30 barrels to 710 barrels; Urania declined 45 barrels to 5,805 barrels, and Little Creek dropped 20 barrels to 275.

Besides Rainbow City-El Dorado and heavy Smackover, figures for other Arkansas districts follows: Smackover, light, decline of 10 barrels; Lisbon, 1,495 barrels, a rise of 15 barrels; Stephens 1,034 barrels, a drop of one barrel. Nevada county 1,220 barrels, a decline of two barrels.

Drilling in Louisiana showed a considerable recession during the year 1928 as compared to 1927, according to the year's list of permits issued by the minerals division of the State Conservation Commission. A total of 674 wells were authorized in 1928 as compared to 306 in 1927.

There were 1,379 permits for all purposes issued in the state during 1928 of which 563 were to abandon; 72 to deepen; four to plug; 35 to abandon temporarily; 15 to sidetrack, and seven to whipstock.

Figures for 1927 were: 66 to deepen; 514 to abandon; 22 to abandon temporarily; 17 to perforate; 13 to work over; eight to sidetrack; one to plug back; one to whip out, and two to shoot casing.

During the week ending January 2, there were 11 to drill as compared to eight permits for drilling issued the preceding week. The last week also ac-

counted for seven to deepen and four to abandon with one work over.

Parishes securing drilling permits during the last week were: Acadia, two; Bossier, one; Caddo, two; Cameron, two; LaSalle, one; Ouachita, one; Union, one, and Webster, one.

WEEKLY REVIEW OF THE OIL INDUSTRY

Two Gushers and Gasser Feature Developments in Tri-State.

Special to the Gazette. 1/14/29

Shreveport, La., Jan. 12.—Completion of two gushers in the northeast extension of the Rainbow City area of Union county, Ark., and of a Trinity sand gas well in Cotton Valley, Webster parish, La., were the outstanding features in the oil and gas territory of North Louisiana, south Arkansas and east Texas for the week.

While Arkansas added only the two gushers and one gas well, the latter in the southeast edge of the main part of the Rainbow City field, Louisiana and east Texas, were comparatively more active than usual in number of wells added, although all were either gassers or failures.

The recent discovery of a fourth gas producing horizon at 2,700-2,800 feet in the Bethany field of Panola county, east Texas, has added to the activity there and has made that area one of the most active in the tri-state territory outside Rainbow City. In fact Panola and Pine Island in Caddo parish are the most active fields outside the Arkansas district, each having approximately 20 operations under way.

Two gas wells were added in Panola county during the week, one below 2,800 feet. The latter well was Natural Gas Products Company's Roquemore No. 3 in the B. C. Jordan headright survey completed at 2,850 feet making 5,000,000 feet of gas. The other gasser in that area was D. Thomason's Crenshaw No. 12 in the same headright completed at 2,630 feet making seven million cubic feet daily.

The Ohio Oil Company added all three wells in Rainbow City. Its J. S. Alphin No. 2 in section 7-17-13 was completed with 11 feet of sand at a total depth of 3,058 feet and gauged at 1,208 barrels. The other gusher was Nash No. 4 in section 6-17-13 completed at 3,010 feet flowing an estimated daily yield of 1,200 barrels. Both these wells are in the northeast extension of the field.

In L. L. Ward No. 1 in section 15-17-14, the Ohio completed a 30,000,000 foot gasser at 2,755 feet, in the shallow pay of the field. This well had shown gas in the Graves sand, the most prolific of the Smackover horizons.

Hopes of a pay sand at 3,400-3,500 feet that had arisen when the Little Fay Oil and Refining Company's Union Sawmill No. 5 in section 7-17-13 had shown oil were given a severe setback during the week when the well showed 20 furbles of salt water when given a drill stem test from 3,455 to 3,460 feet. The well is now coring at 3,590 feet.

The Trinity sand gasser added during the week in Cotton Valley was Palmer Corporation's Tillman No. 4, in section 28-21-10 gauged at 22,000,000 feet from total depth of 4,625 feet. The well has a rock pressure of 1,750 pounds.

The two producers added during the week have a combined initial yield of 2,408 barrels as compared to four producers with a combined yield of 386 barrels the week before. The last week also accounted for 10 gassers and four

failures as compared to six gassers and three failures the week before.

Completions for the week were as follows:

Louisiana.

Webster parish (Shongaloo): Robert Elmire, Mitchell No. 1, section 31-23-9, at 2,617 feet, 6,000,000 feet gas.

Caddo parish (Vivian): Bayou State Oil Corporation, Hoss No. 34, section 24-22-15 at 1,078 feet, salt water, abandoned.

Webster parish (Cotton Valley): Palmer Corporation, Tillman No. 4, section 28-21-10 at 4,625 feet, 22,000,000 cubic feet gas.

Bossier parish (Elm Grove): Palmer Corporation, W. H. & C. B. Hodges B-11, at 2,513 feet, dry and abandoned. Caddo parish (Elm Grove): Woodley Petroleum Company, Whitehurst No. 3, section 0-16-12, at 1,451 feet, 4,000,000 cubic feet gas.

Morehouse parish (Monroe): United Oil and Gas Products Company, Stephens No. 1, section 26-20-4E at 2,127 feet, 7,000,000 cubic feet gas.

Ouachita parish (Monroe): Southern Carbon Company, Fairbanks No. 10, section 43-20-4E at 2,140 feet, 11,000,000 cubic feet gas.

East Texas.

Harrison county (Waskom): Nick Barbare, Furrh No. 4-A2, J. Short headright survey, at 2,404 feet, 1,000,000 feet gas; C. H. Lyons et al., Jones No. 1, Joel Lipscomb headright survey at 2,380 feet, 500,000 cubic feet gas.

Panola county (Bethany): Magnolia Petroleum Company, Sheehan No. 1, James Asher headright survey, at 2,808 feet, salt water abandoned; Natural Gas Products Company, Roquemore No. 3, B. C. Jordan headright survey at 2,850 feet, 5,000,000 cubic feet gas. D. Thomason, Crenshaw No. 12, B. C. Jordan headright survey, at 2,630 feet, 7,000,000 cubic feet gas.

Arkansas.

Union county (Rainbow City)—Ohio Oil Company, J. S. Alphin No. 2, section 7-17-13, at 3,095 feet, 1,028 barrels flowing; Nash No. 4, section 6-17-13, at 4,010 feet, 1,200 barrels flowing (estimated); L. L. Ward No. 1, section 15-17-14, at 2,755 feet, 30,000,000 cubic feet gas.

Drilling activities in Louisiana showed a gain of almost 100 per cent over the preceding seven-day period, a total of 21 drilling permits having been issued during the last seven days, as compared to 11 drilling permits the week before, according to the Minerals Division of the State Conservation Commission.

Renewed activity in both north Louisiana and south Louisiana is reflected in the list of new wells authorized, Caddo parish leading the northern portion of the state with five new wells authorized, four being in the Pine Island district. Cameron parish led the southern tier with four new wells.

Other parishes securing drilling permits were: Bossier parish, one; Calcasieu parish, two; Lafourche parish, one; Morehouse parish, two; Ouachita parish, two; Richland parish, two; Tangipahoa parish, one, and Webster parish, one. Besides the 21 drilling permits issued during the last week, there were also five permits to deepen, one to whip out, one to work over and 14 to abandon. The week before had accounted for six to deepen, one to work over and four to abandon.

One of the most interesting permits issued for north Louisiana during the week was that of Rainbow Oil Company to drill Louisville Cooperaage Company No. 1 in section 3-22-3E, wildcat area, near the scene of several interesting wildcat tests made last summer, one on the same lease. This is the second wildcat for this section in the last fortnight, Woodley & Collins having recently secured permit to drill Harp No. 1 in section 22-22-7.

Daily average oil production in north Louisiana and south Arkansas continued on the toboggan for the week, dropping 576 barrels to a level of 113,925 barrels. Louisiana showed some improvement during the week, rising 297 barrels to 36,176 barrels. Arkansas' decline was largely accounted for in a recession of 660 barrels in heavy Smackover, which went down to 51,860 barrels. Rainbow City-El Dorado also dropped 165 barrels to 15,375 barrels.

Figures for the week for Louisiana districts are: Caddo light, 9,040 barrels, a rise of 180 barrels; Caddo heavy, 2,702 barrels, a rise of 242 barrels; Red River-De Soto Sabine, 5,032 barrels, a rise of 12 barrels; Homer, 3,720 barrels, a rise of 20 barrels; Haynesville, 5,490 barrels, a decline of 20 barrels; Cotton valley, 3,490 barrels, a drop of 62 barrels; Bellevue, 700 barrels, a drop of 10 barrels; Urania, 5,810 barrels, a gain of five barrels; Little Creek, 205 barrels, a drop of 70 barrels.

Arkansas districts, besides heavy Smackover and Rainbow City-El Dorado, showed the following yield for the last week: Smackover light, 6,800 barrels, a decline of 110 barrels; Lisbon, 1,480 barrels, a drop of 16 barrels; Stephens, 1,030 barrels, a drop of four barrels, and Nevada county, 1,201 barrels, a decline of 19 barrels.

DRILL STEM TESTS CENTER OF INTEREST

Wells in Rainbow City May Extend Boundaries of Field.

Special to the Gazette. 1/21/29
El Dorado, Jan. 19.—Although the El Dorado oil district was without completions during the week, two drill stem tests were made which are expected to make considerable extensions to the Rainbow City pool, where most of the activity is now centered.

The wells are on opposite sides of the field, and are more than two miles apart. Casing has been set on each, and the owners plan to drill the plug and ball Sunday or Monday.

The first test was that of O. W. Estes and associates, and showed a flow of 30,000,000 feet of gas and a spray of oil of 32 gravity when a drill stem test was made. The well is located in the northeast corner of southeast of section 15-17-14, about a quarter mile south of the present production. The test was made at 2,850 feet, in what is known as the shallow sand.

The second was the Ohio Oil Company's No. 3 Carroll in the southwest corner of southeast of northwest of section 6-17-13, in the northeast extension of Rainbow field. The crew obtained an excellent core from the 'Crain' sand at 3,000 feet and casing was set at this depth. The well is about an eighth mile east of the proven area.

Several new wells are under way in the El Dorado district. They include:

H. L. Hunt, Gregory No. 4, southwest corner of southwest of southwest of section 10-17-14, Rainbow field, drilling at 1,500 feet.

Bell and associates, Terrell No. 1, section 27-18-14, drilling at 500 feet.

E. L. Foster, Murphy Land Company No. 1, section 23-17-17, drilling below surface casing.

Z. D. Frazier, trustee, W. R. Laney No. 1, section 30-19-16, derrick up.

C. F. Hatcher, McCain No. 1, section 4-17-14, derrick up.

Lion Oil Refining Company, El Dorado Realty No. 1, section 7-17-13, location.

Ohio Oil Company, Frazier No. 2, section 6-17-13, rigging up.

Two new tests are under way in Ouachita county, McDonald Bros., Wilson No. 1, section 25-15-18, derrick up, and Gulf Refining Company, J. Goodwin No. A-9, section 5-16-15, rigging up. The McDonald Company is starting its third hole on the Wilson location, the first two having been abandoned on account of fishing jobs. An oil sand was encountered at around 2,400 feet and each time trouble developed.

The wildcat well of Joe Hurley and associates in section 29-16-12, near Moro Bay in Calhoun county, probably will be drilled in within the next few days, it is understood. The well was cemented at below 2,300 feet after a sand was found with a show of oil.

Production in the Rainbow field has dropped considerably in the last week, the daily runs now averaging 10,600 barrels. Two weeks ago the daily runs were around 13,000 barrels. There are now 86 producing wells in the Rainbow field, the largest single producer being the Ohio Oil Company's Nash No. 4 in section 6-17-13, rated at 1,210 barrels per day. The Gregory lease of Rushing and associates, one of the oldest in the field, is making 900 barrels per day.

Operations include: Gulf Refining Company, Gaddy No. 2, section 30-17-14, drilling at 500 feet; Lion Oil Refining Company, Rowland No. 5, drilling at 2,850 feet; Lion Oil Refining Company, Union Sawmill Company No. 5, section 7-17-13, drilling at below 3,650 feet; Louisiana Iron and Supply Company, Fitzgerald No. 1, section 8-18-15, standing 150 feet in fluid at 2,190 feet; Magna Producing Company, El Dorado Realty Company No. 2, section 8-17-13, waiting on orders at 3,838 feet; Magnolia Petroleum Company, Gregory No. 1, section 15-17-14, drilling at 800 feet; Ohio Oil Company, Carroll No. 3, section 6-17-13, six-inch casing set at 2,991 feet; Ohio Oil Company, Nash No. 3, section 6-17-13, drilling at 1,600 feet; Olson Bros., Kelley No. 1, section 9-17-14, casing set at 2,970 feet; Skelly Oil Company, Gregory No. 1, section 15-17-14, trying to perforate casing at 2,610 feet; Simmons and associates, Green No. 1, section 2-16-16, salt water at 2,335, waiting on orders.

WEEKLY REVIEW OF THE OIL INDUSTRY

Gusher and Wildcat Gasser Hold Interest in Tri-State Area.

Special to the Gazette. 1/27/29
Shreveport, La., Jan. 26.—One gusher in the northeast extension of the Rainbow City field of Union county, Arkansas, and a wildcat gas well in Bienville parish, Louisiana were the features of the last week in the tri-state oil territory embracing north Louisiana, south Arkansas and east Texas.

The Rainbow City gusher which held interest during the week is Marine Oil Company's J. F. Samole Company No. 2 in section 7-17-13 completed at a depth of 3,051 feet, flowing 700 barrels of oil and making 15 million cubic feet of gas.

In the Lake Bienville district of Bienville parish, a wildcat area, W. P. Wallace completed his Ashley on N. 1, in section 15-16-10, making eight million cubic feet of gas from a depth of 2,005 feet. While several small gasers have been completed in this area before, none has been of this large a capacity and considerable drilling is expected to follow the completion. Ashley has already made location for an offset to his gasser. The new test is State No. 1 in section 16-16-10 and rigging up is already under way.

In the older part of the Rainbow City field Rushing and associates during the week completed Gregory No. 7 in section 11-17-14 at total depth of 3,214 feet, flowing 110 barrels of oil and 320 barrels of salt water.

Olson Brothers have added Kelly No. 1 in section 9-17-14 at 2,806 feet, a 35 million foot dry gasser. Two failures were also chalked up against the Rainbow City field during the week. H. L. Hunt's Gregory No. 12 in section 10-17-14 being abandoned as a dry hole at 2,200 feet, and Skelly Oil Company's J. M. Gregory No. 1 in section 15-17-14 in the southeast part of the district encountering salt water and being abandoned at 2,610 feet. It was the third test of this hole.

New Well in Smackover.

The oldest Smackover district came in for two producers during the week. The Little Fay Oil Company added Canada No. 1 in section 24-15-16 at 2,058 feet as a 15-barrel pumper and the Shell Petroleum Company (old Roxana) completing Williams No. 4 in section 34-15-15 at 1,959 feet, flowing 260 barrels of clean oil. It was the well's second completion.

Only one producer was added in Louisiana during the week. This was Magnolia Petroleum Company's Dillon No. 18 in section 24-21-15, Caddo parish, Pine Island district, drilled to the Glen Rose sand at total depth of 3,790 feet. It is flowing 10 barrels of oil along with about 10 times that amount of salt water.

Besides the Magnolia well and the Bienville parish wildcat gasser, two small gasers in the Monroe field were added in Louisiana. G. E. Jordan after drilling to 3,347 feet in C. J. Wall No. 1 in section 12-18-3E, Union parish, without results, plugged back to 2,300 feet and brought in the well making a half million cubic feet of gas. On the Ouachita parish side of the field, Interstate Natural Gas Company completed Hodges No. 1 in section 9-14-3E, at 2,185 feet, making four million cubic feet daily. Northwest Louisiana Gas Company's Pinewoods No. 9 in 37-23-11, Sarepta district, Webster parish, was abandoned as a salt water hole at 3,100 feet.

The new 2,800 foot horizon in the Panola county, East Texas, gas field added a one million foot gasser in S. H. Gardner and associates' Lawless No. 1 in the J. L. Matthews headright survey. Total depth is 2,804 feet.

Although in the tri-state area, during the week there were five completions with a combined initial yield of 1,095 barrels of oil as compared to two producers with a combined yield of 1,380 barrels the week before. The last week also accounted for four gasers and three failures as compared to three gasers and four failures the preceding seven-day period.

Daily Average Production.

Daily average oil production in the North Louisiana-South Arkansas oil territory again showed a decline for the week ending January 23. The last week's average was 114,292 barrels, a drop of 108 barrels from the level of the week before.

The decline was largely accounted for by recessions in several Arkansas districts including heavy and light Smackover, which fell 180 barrels to 6,790 barrels and 460 barrels to 51,620 barrels, respectively.

El Dorado-Rainbow City showed a gain of 340 barrels, going to 15,830 barrels.

In Louisiana Caddo, light for the last week remained unchanged with 8,950 barrels; heavy Caddo rose 20 barrels to 2,720 barrels; Red River-DeSoto-Sabine fell 90 barrels to 5,005 barrels; Cotton Valley was up 45 barrels to 3,575 barrels; Bellevue rose 65 barrels to 765 barrels; Urania also rose 5 barrels to 5,835 barrels, and Little Creek gained seven barrels to average 207 barrels.

Arkansas district besides the ones mentioned behaved as follows: Lisbon, 1,420 barrels, a drop of 25 barrels; Stephens rose 45 barrels to 1,070 barrels, and Nevada county rose 55 barrels to 1,260 barrels.

Drilling activity in Louisiana for the week ending January 23 showed a 25 per cent drop from the level of the preceding seven days, according to the list of drilling permits announced by the minerals division of the State Conservation Commission. Twelve drilling permits were issued for the last week as compared to 16 the week before.

The Pine Island district of Caddo parish led the state for new wells authorized during the week with three tests authorized. Other parishes securing new wells are: Acadia, one; Ascension, one; Cameron, one; DeSoto, one; Plequemin, one; Red River, one; St. Martin, one; Terrebonne, one, and Union, one.

Besides the 12 drilling permits issued during the week, there were also nine permits for abandonments. The week before had recorded one to temporarily abandon, one to sidetrack, and eleven to abandon.

Completions.

Completions for the week were as follows: Caddo parish (Pine Island) Louisiana—Magnolia Petroleum Company, Dillon No. 18, section 24-21-15, at 3,790 feet, 10 barrels oil, 150 barrels salt water.

Bienville parish (Bienville)—W. P. Wallace, Ashley No. 1, section 15-16-10, at 2,005 feet, eight million cubic feet gas.

Ouachita parish (Monroe)—Interstate Natural Gas Company, Hodges No. 1, section 4-19-3E, at 2,185 feet, four million feet gas.

Union parish (Monroe)—G. E. Jordan, C. J. Wall No. 1, section 12-18-3E, at 2,300 feet, 500,000 cubic feet gas, total depth 3,347 feet.

Webster parish (Sarepta)—Northwest Louisiana Gas Company, Pine Woods Lumber Company No. 9, section 37-23-11, at 3,100 feet, salt water, abandoned.

East Texas.

Panola County (Bethany)—S. H. Gardner et al, Lawless No. 1, J. L. Matthews headright survey, at 2,804 feet, one million cubic feet of gas.

Arkansas.

Ouachita county (Smackover)—Little Fay Oil Company, Cannada No. 1, section 24-15-16, at 2,058 feet, 15 barrels, pumping; Shell Petroleum Corporation, Williams No. 4, section 34-15-15, at 1,959 feet, 260 barrels oil (second completion).

Union county (Rainbow City)—H. L. Hunt, Inc., Gregory No. 12, section 10-17-14, at 2,200 feet, dry abandoned; Marine Oil Company, J. F. Sample Company No. 2, section 7-17-13, at 3,051 feet, 700 barrels oil, 15 million cubic feet gas; Olson Brothers, Kelly No. 1, section 9-17-14, at 2,806 feet, 35 million cubic feet gas; Rushing and associates, Gregory No. 7, section 11-17-14, at 3,214 feet, 110 barrels oil, 320 barrels salt water; Skelly Oil Company, J. M. Gregory No. 1, section 15-17-14, at 2,610 feet, salt water, abandoned (third completion).

WEEKLY REVIEW OF THE OIL INDUSTRY

Extension of Rainbow City Field in Two Directions Is Feature.

Special to the Gazette. 2-3-29
Shreveport, La., Feb. 2.—Extension of the Rainbow City field of Union county, Arkansas, in two directions was the feature of the last week in the oil and gas territory of north Louisiana, east Texas and south Arkansas. However, another attempted extension of the same field ended in failure.

Another important development was the increased drilling in north Louisiana gas fields that followed in the wake of the announcement of the projection of a 450-mile gas line of 22-inch capacity from the Monroe and Richland gas areas. Nine new tests were authorized for gas wells in these two areas during the week, as a result of the line.

In the northeast extension of Rainbow City, Ohio Oil Company completed Carroll No. 3 in section 6-17-13 at 2,995 feet, flowing 110 barrels of oil by heads daily. This extended the producing area about one-eighth of a mile northeast.

On the southeast side of Rainbow City in section 15-17-14, O. W. Estes and associates completed W. K. Gregory No. 1 at 2,852 feet, making an estimated gas yield of 35,000,000 feet of gas daily and a heavy spray of oil. The well was shut in to await storage. This was a southern extension of a quarter of a mile. In the southwest side of the field the same operator completed a 20,000,000-foot gasser in Rowland No. 6 in section 16-17-14, at 2,830 feet.

Magna Production Company's attempt to extend the northeast sector in Rainbow City to the east into section 8-17-13 ended in failure during the week, this company's El Dorado Realty Company No. 2 testing salt water and being abandoned at total depth of 3,238 feet.

The Ouachita county side of the old Smackover district is showing renewed life, two producers having been added in that area during the last week. Little Fay Oil Company added its third consecutive producer in section 24-15-16 when its Cannada No. 2 was completed at 2,081 feet, pumping 45 barrels. Phillips Petroleum Company in section 33-15-15 completed Farris No. 10 at 1,984 feet, pumping 80 barrels daily.

Only one small producer was added in Louisiana during the week. This was Bayou State Oil Corporation's Land No. 6 in section 22-22-15, which is pumping 10 barrels at 1,020 feet. Thompson & Fitzsimmons' Muslow No. 7 in section 31-21-15, Caddo parish, Pine Island district, tested dry and was abandoned at 2,230 feet.

Benedum & Trees, after completing State No. 1 in section 22-14-12, DeSoto parish, Louisiana, as a 25,000,000-foot gasser with a spray of salt water, at 2,631 feet, the well later going dead, went back into the hole and drilled it to 3,000 feet, where it tested salt water and was abandoned during the last week.

Kirby-Rowe Drilling Company's T. C. Adams No. 1 in the Ezekiel Jones Headright survey of the Bethany gas field of Panola county, east Texas, completed at 972 feet, making 3,000,000 feet of gas, was east Texas' only contributor during the week.

Altogether there were four producers completed in the tri-state area with a combined initial yield of 245 barrels, as compared to five producers with a combined initial output of 1,095 barrels the week before. The last week

also accounted for three gasers and three failures, as compared to four gasers and three failures for the preceding seven-day period.

Completions for the week were as follows:

Louisiana.

Caddo parish (Vivian)—Bayou State Oil Corporation, Land No. 6, section 22-22-15, at 1,020 feet, 10 barrels pumping.

Caddo parish (Pine Island)—Thompson & Fitzsimmons, Muslow No. 7, section 31-21-15 at 2,230 feet, dry, abandoned.

DeSoto parish (Frierson)—Benedum & Trees, State No. 1, section 22-14-12, at 3,000 feet, salt water, abandoned.

East Texas.

Panola county (Bethany) — Kirby-Rowe Drilling Company, T. C. Adams No. 1, Ezekiel Jones Headright survey, at 972 feet, 3,000,000 feet gas.

Arkansas.

Ouachita county (Smackover)—Little Fay Oil Company, Cannada No. 2, section 24-15-16, at 2,081 feet, 45 barrels (pumping); Phillips Petroleum Company, Farris No. 10, section 33-15-15 at 1,984 feet, 80 barrels (pumping).

Union county (Rainbow City) — O. W. Estes, W. K. Gregory No. 1, section 15-17-14, at 2,852 feet, 35,000,000 cubic feet gas (estimated); Rowland No. 6, section 16-17-14, at 2,830 feet, 20,000,000 cubic feet gas (estimated); Magna Production Company, El Dorado Realty Company No. 2, section 8-17-13, at 3,238 feet, salt water, abandoned; Ohio Oil Company, Carroll No. 3, section 6-17-13, at 2,995 feet, 110 barrels oil flowing by heads.

A sharp drop in the yield of Rainbow City-El Dorado and recessions in several other districts including heavy Smackover sent the daily average oil production further down the toboggan, the average for the week totaling 112,385 barrels, a decline of 1,907 barrels from the level of the preceding week.

The recession in Rainbow City-El Dorado amounted to 1,760 barrels giving that district an average of 14,070 barrels for the last week. Louisiana districts fell 237 barrels to a level of 36,065 barrels while Arkansas' net decline was 1,670 barrels including the drop in Rainbow City-El Dorado.

In Louisiana Caddo light fell 230 barrels to 8,720 barrels; heavy Caddo declined 70 barrels to 2,660 barrels; Red River-DeSoto-Sabine rose 25 barrels to 5,030 barrels; Homer dropped 35 barrels to 3,710 barrels; Haynesville rose 130 barrels to 5,630 barrels; Cotton Valley remained unchanged at 3,575 barrels; Bellevue declined 65 barrels to 700 barrels; Urania dropped five barrels to 5,830 barrels; and Little Creek rose 13 barrels to 220 barrels.

Besides Rainbow City-El Dorado, other Arkansas districts for the last week were as follows: Light Smackover, 7,090 barrels, a rise of 300 barrels; heavy Smackover dropped 225 barrels to 51,395 barrels; Lisbon dropped 15 barrels to 1,405 barrels; Stephens rose 20 barrels to 1,090 barrels, and Nevada county rose 10 barrels to 1,270 barrels.

Although outnumbered by abandonments Louisiana drilling permits during the week showed a 25 per cent gain over the level of the preceding week, 16 new wells being authorized in the state during the last seven days as compared to 12 authorized the week before, according to the list as promulgated by the minerals division of the state Conservation Commission.

Nineteen permits to abandon were issued during the last week as compared to nine issued the week before. Nine of the abandonments were for old depleted wells in the Urania district of LaSalle parish. Three old wells in Haynesville, Claiborne parish, were also abandoned.

Ouachita parish led the state in number of new wells authorized with four drilling permits issued in that parish during the week. Other parishes securing new wells are: Cameron, one; DeSoto, one; Jefferson Davis, one; Lincoln, one; Morehouse, two; Richland, two; Terrebonne, two, and Union, two.

WEEKLY REVIEW OF THE OIL INDUSTRY

Price Reduction Retards Development in Arkansas-Louisiana Fields.

Special to the Gazette. 2-10-29

Shreveport, La., Feb. 9.—With only 20 rigs operating in Rainbow City, where approximately 30 were operating two weeks ago, and very few locations being made for that district, this field which for the last year and a half has been active in the tri-state area of north Louisiana, south Arkansas and east Texas, experienced another lean week during the last seven days. The recent cut in the price of crude is reflected in the activity in the tri-state areas, as there is little incentive to drill for oil at the present price.

Only two wells were added in Rainbow City during the week, each of them being good for 100 barrels. One of these wells was Pure Oil Company's W. E. Gregory Estate No. 6, in the southeast edge of the field in section 15-17-14, which is pumping 100 barrels from 3,261 feet in five feet of sand. This is one of the best wells added in the Crain sand in this part of the field. The other Rainbow City producer was H. L. Hunt's Gregory No. 4, in section 10-17-14, in the older part of the field, which is flowing 100 barrels through small tubing at a depth of 3,058 feet.

A 25-barrel pumper in Nevada county (Ark.) completed by Humble Oil and Refining Company, in J. Haynie No. 2, in section 6-14-20, at a depth of 1,150 feet, and a 10-barrel pumper in the Upland district of Union county, in Sam Sklar's Fitzgerald No. 10, in section 8-18-15, at 2,190 feet, completed the list of producers added during the week. The quartet has a daily initial yield of 235 barrels, as compared to four producers added the week before, making a combined initial production of 245 barrels. The last week also accounted for two gasers and five failures, as compared to three gasers and three failures recorded during the previous week.

Two interesting wildcats, one in Louisiana and one in Arkansas, were among the week's failures. Arkansas Natural Gas Corporation's attempt to extend production in the Sarepta oil field, which is south of the old Sarepta gas area, several miles to the southwest, ended disastrously during the week, this company's Tidwell No. 1 in section 29-22-11, Bossier parish, Louisiana, testing salt water and being abandoned at a depth of 3,462 feet. A previous test at 3,111 feet had shown a slight trace of oil.

The other wildcat that entered the failures list was Ohio Oil Company's Southern Lumber Company No. 2, in section 19-16-9, Bradley county, Arkansas, which was abandoned at 3,217 feet, after testing dry. A former test by the same company on the same lease was a failure.

Palmer Corporation added a small gasser, gauged at 1,000,000 feet, in W. H. and C. B. Hodges B-12, in section 25-16-12, Bossier parish, Elm Grove district, at a depth of 1,875 feet. Natural Gas Products Company's Crossett Lumber Company No. 22, in section 34-21-4E, Morehouse parish, Monroe district, was a 6,000,000-foot gasser at 2,203 feet.

Pine Island, Caddo parish, added two failures during the week. C. G. Gibbins' B. H. Gibbins No. 1, in section 15-21-16, being a salt water hole at 2,634 feet, and Simplex Oil Corporation's Thomas et al. No. 1, in section 15-20-15, meeting the same fate at 2,248 feet. A shallow test by Randall and associates, in Urania No. 2, in section 1-10-1E, LaSalle parish, Urania district, tested dry and was abandoned at 640 feet.

Completions for the week were as follows:

Arkansas.

Nevada county (Stephens)—Humble Oil and Refining Company, J. Haynie No. 2, section 6-14-20, at 1,150 feet; 25 barrels (pumping).

Bradley county (Emory)—Ohio Oil Company's Southern Lumber Company No. 2, section 19-16-9, at 3,217 feet; dry, abandoned.

Union county (Rainbow City)—H. L. Hunt, Inc., Gregory No. 4, section 10-17-14, at 3,058 feet; flowing 100 barrels daily through 2 1/2-inch tubing. Pure Oil Company, W. E. Gregory Estate No. 6, section 15-17-14, at 3,261 feet, pumping 100 barrels.

Union county (Upland)—Sam Sklar, Trustee, Fitzgerald No. 10, section 8-18-15, at 2,190 feet; 10 barrels (pumping).

A recession of 565 barrels in the daily output of heavy Smackover, which dropped to 50,830 barrels, was overcome by a rise of 1,335 barrels in the daily yield of Rainbow-City-El Dorado which went up to 15,405 barrels, and the daily average oil production of north Louisiana and south Arkansas showed a net gain of 82 barrels for the week. The average for the last week in the two states was 112,467 barrels. Louisiana aided in the recession, dropping 425 barrels to a level of 35,640 barrels. The gain in Rainbow City-El Dorado gave Arkansas an increase of 507 barrels, offsetting the Louisiana decline.

Figures for the last week on various districts follow: Caddo, light, 3,880, gain of 60 barrels; Caddo, heavy, 2,620, drop of 30 barrels; Red River-DeSoto-Cabine, 4,980 barrels, decline of 50 barrels; Homer, 3,680 barrels, decline of 30 barrels; Haynesville, 5,440 barrels, drop of 190 barrels; Cotton Valley, 3,440 barrels, decline of 135 barrels; Bellevue, 700 barrels, unchanged; Urania, 5,700 barrels, drop of 130 barrels; Little Creek, 220 barrels, drop of 20 barrels.

Figures on Arkansas fields not already mentioned follow: Smackover, light, 6,690 barrels, drop of 400 barrels; Lisbon, 1,402 barrels, drop of 3 barrels; Stephens, 1,100 barrels, rise of 10 barrels; and Nevada county, 1,400 barrels, a gain of 130 barrels.

Drilling activity in Louisiana got away to a good start for the year 1929 as indicated by the list of drilling permits for the month of January, just compiled by the minerals division of here. A total of 66 new wells were authorized during the month.

Abandonments during the month totaled 56. There were also eight permits to deepen, two to sidetrack, five to work over, and one to abandon temporarily, making an aggregate for all purposes for the month of 138 permits.

The heavy drilling campaign which has started in the Monroe and Richland gas areas following announcement of a 450-mile gas line from those fields to St. Louis, Mo., and intermediate points, is reflected in the list, a total of 25 new wells being authorized in those areas during January. Of this 25, Richland secured eight new wells, Morehouse five, Ouachita nine and Union three. Caddo parish secured eight drilling permits during the month, tying Richland for second place in number of new wells for the 31-day period.

LeSalle parish led in number of abandonments for the month, with 11, Calcasieu parish being next, with 10 abandonments.

WEEKLY REVIEW OF THE OIL INDUSTRY

Two South Arkansas Tests Principal Interest in Tri-State Sector.

Special to the Gazette. Shreveport, La., Feb. 16.—Testing of two interesting wildcats in south Arkansas furnished the main interest in the tri-state oil and gas territory of north Louisiana, east Texas and south Arkansas during the week. Neither wildcat was brought in as a commercial well but one showed promise and the other was a disappointment.

McDonald Brothers bailed Wilson No. 1 in section 25-15-18, Ouachita parish, a wildcat about midway between production in the Louann sector of the old Smackover area and the Stephens field in Nevada and Columbia counties, at total depth of 2,818 feet and the well is reported to have stood several hundred feet in fluid, part of it oil. However, operators decided not to try to make a commercial well of the test as it would not have been a large one at best and started to deepen when they encountered another fishing job which has been the incubus of this test.

In the first hole 40 feet south of the present test the same operators had to junk a hole around 2,800 feet after a fruitless fishing job and after an excellent show of oil had been encountered. Moving to the new site the operators drilled until around 2,818 feet when drill stem stuck in the hole and another long fishing job ensued. The other test that disappointed was Joe Hurley's Arkansas Land and Timber Company No. 1 in section 29-16-12, which tested dry at 2,814 feet. The well is being deepened. Testing of this well had been deferred several times, first to clear titles to adjoining acreage and later because of high water in nearby streams which threatened to inundate the well.

Rainbow City offered little in the way of excitement during the last week, although two producers were added in the western side of the field. E. C. Johnston, Trustee, completed Gregory No. 3 in section 10-17-14 at 2,786 feet pumping 200 barrels of clean oil from seventeen feet of sand. Oil Well Corporation in section 9-17-14 completed Kelly A-2 at 2,824 feet pumping 360 barrels of fluid, 10 per cent basic sediment and salt water. Besides these two producers, the Humble Oil and Refining Company added Groves B-5 in section 1-14-21, as a 35 barrel pumper at a depth of 1,140 feet. A 20 barrel pumper in Pine Island, Caddo parish, La., completed the quartet of producers. The latter well was W. D. Chew's Fee No. 8 in section 33-21-16 at 1,850 feet. The combined initial yield in the two states was 575 barrels, an increase in volume from the week before when four producers were added making 235 barrels.

The last week also recorded seven gassers and five failures as compared to two gassers and five failures the week before. Five of the gassers were in the Bethany gas area of Panola county, East Texas which is showing considerable activity. An effort to extend the Richland gas field eastward failed during the week when Richland Operating Company's Chapman No. 1 in section 19-16-7E tested salt water at 2,495.

The two Arkansas failures officially recorded during the week were Phillips Petroleum Company's B. Joyce No. 20 in section 33-15-15 in the old Smackover field deepened to 3,264 feet only to test salt water and be abandoned at 3,264 feet, and the Tharpe Drilling Company's List No. 1 in section 25-17-15, Union county, which was abandoned as a dry hole at 3,050 feet. This test had been shut down for several weeks.

Completions for the week were as follows:

North Louisiana.—W. D. Chew, Fee No. 8, section 33-21-16, at 1,850 feet, 20 barrels, pumping.

Ouachita parish (Monroe)—United Carbon Company, Nelson Fee No. 3, section 6-19-5E, at 2,139 feet, 16 million cubic feet gas.

Richland parish (Lucknow)—Richland Operating Company, Chapman No. 1, section 19-16-7E, at 2,495 feet, salt water abandoned.

Webster parish (Shongaloo)—Jones and associates, Elkins No. 1, section 33-23-9, at 2,690 feet, dry abandoned.

East Texas.—Harison county (Waskom)—C. E. Lyons and associates, Furrh No. 3, J. Short headright survey, at 2,373 feet, one million feet gas.

Panola county (Bethany)—D. Thomason, Crenshaw No. 12, B. C. Jordan headright survey, at 2,700 feet, four million feet gas; Eureka Natural Gas Corporation, Gully No. 2, James Matthews headright survey, at 1,863 feet, two million feet gas; S. H. Gardner and associates, G. E. Brumble No. 4, B. C. Jordan headright survey, at 2,712 feet, dry abandoned; Magnolia Petroleum Company, T. C. Adams No. 2, Ezekiel Jones headright survey at 1,017 feet, two million feet gas; C. G. Steele No. 13, B. C. Jordan headright survey, at 2,672 feet, five million feet gas; Texas Company's Adams A-8, B. C. Jordan headright survey, at 961 feet, three million feet gas.

Arkansas.—Nevada county (Nevada)—Humble Oil and Refining Company, Groves B-5, section 1-14-21, at 1,140 feet, 35 barrels, pumping.

Ouachita county (Smackover)—Phillips Petroleum Company, B. Joyce No. 20, section 33-15-15, at 3,264 feet, salt water, abandoned.

Union County (Smackover)—Tharpe Drilling Company, List No. 1, Section 25-17-15, at 3,050 feet, dry abandoned.

Union county (Rainbow City)—E. C. Johnston, Trustee, Gregory No. 3, section 10-17-14, at 2,786 feet, 200 barrels, pumping; Oil Well Corporation, Kelly A-2, section 9-17-14, at 2,824 feet, 320 barrels pumping.

A drop of 565 barrels in the daily yield of the Rainbow City-El Dorado oil field during the week was not overcome by gains in other districts and the result was that the daily average production of North Louisiana and South Arkansas districts dropped 64 barrels to a level of 112,403 barrels for the week. Louisiana districts remained at practically the same level for the last two weeks rising 17 barrels to an average of 35,657 barrels for the last seven-day period. Arkansas' net decline was 81 barrels, the last week's average being 76,746 barrels.

New drilling in Louisiana showed a 50 per cent drop for the week ending February 13 as compared to the week before, only 10 drilling permits having been issued for the last week as compared to 20 drilling permits the preceding week, according to figures of the Minerals Division of the State Conservation Commission.

The last week also recorded 19 permits to abandon and two to abandon temporarily as compared to four to abandon and one to deepen the week before.

Benedum & Trees whose wildcat State No. 1 in section 22-14-12, DeSoto parish, came in making 25,000,000 feet of gas and 100 barrels of salt water at 2,631 feet, later going dead and testing a failure when drilled to 3,000 feet, during the last week obtained permits to drill two more wells in the same parish, one an offset to the State No. 1. These two wells are C. Mahoney No. 1 in section 22-14-12 and D. E. Nicholson No. 1 in section 2-15-14.

Natchitoches parish will get another wildcat test, S. D. McDaniel of Shreveport having obtained a drilling permit for Clark-Morse No. 2 in section 23-5-6W. The Ouachita parish part of the Monroe gas field obtained two drilling permits and Richland parish's gas field accounted for one. The Shongaloo gas area of Webster parish accounted for two of the drilling permits, the Nemours Corporation having taken out permit to drill W. D. Munn Estate No. 2 in section 1-22-10 and Magnolia Petroleum Company having taken permit for G. W. Adkins No. 1 in section 4-22-9. Other parishes securing new operations are Cameron parish, one; and Lafourche parish, one. The two latter are in south Louisiana. Most of the week's abandonments were depleted wells in the Cartersville gas area of Bossier parish and in the old Haynesville oil field of Claiborne parish. Atlantic Oil Producing Company secured permits to abandon four holes in the former field and the Ohio Oil company secured permits to abandon nine wells in the latter area.

WEEKLY REVIEW OF THE OIL INDUSTRY

New El Dorado Sand and Cotton Valley Extension Major Developments.

Special to the Gazette. Shreveport, La., Feb. 23.—Discovery of the 2,800-foot sand in the old El Dorado East field of Union county, Arkansas, more than two miles southwest of production in that horizon in the Rainbow City field, and the extension of the Trinity sand gas area of Cotton Valley, Webster parish, Louisiana, were the outstanding developments of the week in the oil and gas territory of North Louisiana, south Arkansas and east Texas.

The Gaddy No. 2 of the Gulf Refining Company in section 30-17-14, Union county, was completed at 2,859 feet, making 50,000,000 cubic feet of gas and 10 barrels of oil, extending the 2,800-foot horizon from the southwest edge of Rainbow City into the old East field, which has been yielding from the 2,100-foot level since 1921. The nearest Rainbow City producer to the Gaddy No. 2 is the Jerry No. 1 of the Root Refineries in section 21-17-14, completed last summer, making some oil and some salt water, which furnished the connecting link between the East field and Rainbow City.

The Hope No. 19 of the Cotton Valley Oil Corporation completed at 4,700 feet in the Trinity sand in section 24-21-10, extended the deep field a half-mile east. Incidentally the Hope well, which is making four and a half million cubic feet of gas daily, was completed originally at 4,527 feet making 2,500,000 feet of gas. This first level was also in the Trinity formation.

This fact led to an investigation of the Trinity sand in Cotton Valley with the result that geologists and Bureau of Mines officials say that in reality there are seven distinct horizons in the Trinity of Cotton Valley, but some of them do not show in all wells. Some may show in one well while others missing in that well may appear in an offset. This the geologists attribute to the lenticularity of the Trinity in Cotton Valley, which in this respect is like the sands in Rainbow City.

In the extreme northwest part of Rainbow City, J. W. Hoosier finally had to abandon as a salt water hole his Slade No. 4 in section 3-17-14, at 3,332 feet. This well appeared at one time as a possible producer, although all the holes immediately surrounding it had been failures.

In the northeast extension of Rainbow City, Ohio Oil Company, during the week, added a 266-barrel flowing well in Frazier No. 2 in section 6-17-13, at total depth of 3,054 feet. On the west side of the field Mazda Oil Corporation got a duster in Diffie No. 1 in section 16-17-14 at total depth of 3,322 feet.

The Old Pine Island field of Caddo parish, Louisiana, accounted for a Trinity sand producer during the week, Dixie Oil Company completing Robert Shaw No. 91 in section 14-21-15 as a 100-barrel pumper at 3,693 feet. A chalk rock test by the Simplex Oil Company in its Hunsicker No. 6 in 15-20-15, of the same field, was dry and abandoned at 2,424 feet.

Three Producers in Week. Altogether the tri-state area accounted for only three producers with a combined yield of 376 barrels. This includes the 10 barrels of oil being produced by the Gaddy No. 2 gasser. There also were seven gassers—eight, including the Gaddy well—and four failures.

Completions for the week were as follows:

Louisiana.—Caddo parish (Pine Island)—Dixie Oil Company, Robert Shaw No. 91, section 14-21-15, at 3,693 feet, 100 barrels (pumping); Simplex Oil Company, Hunsicker No. 6, section 15-20-15, at 2,424 feet, dry and abandoned.

Webster parish (Cotton Valley)—Cotton Valley Corporation's Hope No. 19, section 24-21-10, at 4,700 feet, 4,500,000 cubic feet of gas, 650 pounds rock pressure.

Morehouse parish (Monroe)—Amalgamated Company, Fairley No. 3, section 53-20-4E, at 2,183 feet, 9,000,000 feet gas.

Union parish (Monroe)—United Carbon Company, Nichols No. 1, section 6-20-3E, at 2,141 feet, 500,000 cubic feet gas.

Ouachita parish (Monroe)—Ouachita Natural Gas Company, Leiber No. 5, section 4-19-4E, at 2,134 feet, 9,000,000 cubic feet gas; Palmer Corporation, Fee No. 5, section 24-19-4E, at 2,220 feet, 1,000,000 feet gas.

Richland parish (Lucknow)—Magnolia Petroleum Company, D. R. Sartor No. 1, section 21-16-6E at 2,448 feet, 40,000,000 feet gas, 730 pounds rock pressure.

Richland parish (Boughton)—Ouachita Natural Gas Company, Pardue No. 5, section 5-15-6E at 2,447 feet, 40,000,000 cubic feet gas.

LaSalle parish (Urania)—Ayers Brothers, Tremont No. 6, section 30-10-2E, at 1,575 feet, salt water, abandoned.

Arkansas.—Union County (Rainbow City)—J. W. Hoosier, Slade No. 4, section 3-17-14, at 3,332 feet, salt water, abandoned; Mazda Oil Corporation, Diffie No. 1, section 16-17-14, at 3,322 feet, dry, abandoned; Ohio Oil Company, Frazier No. 2, section 6-17-13, at 3,054 feet,

266 barrels clean oil, flowing; Gulf Refining Company, Gaddy No. 2, section 30-17-14, at 2,859 feet, 50,000,000 cubic feet of gas and 10 barrels oil.

Recessions in Smackover, heavy and light, and in Rainbow City-El Dorado caused a drop of 1,428 barrels in the daily average oil production. Rainbow City-El Dorado dropped 390 barrels to 14,450 barrels while light Smackover fell 645 barrels to 6,325 barrels and heavy Smackover declined 740 barrels to 50,200 barrels. Louisiana production rose 318 barrels to 35,975 barrels, the total Arkansas decline being 1,746 barrels.

Drilling in Louisiana showed a slight improvement for the week over the week before 12 new wells having been authorized as compared to 10 the week before, according to the drilling permits figures issued by the Minerals Division of the Louisiana Conservation Commission.

The week was featured by 23 abandonments in Webster parish including holes in the Shongaloo, Sarepta and Cotton Valley fields. Ten of the wells abandoned belonged to the Northwest Louisiana Gas Company (Belchic & Lasky), and 12 to the Humble Oil and Refining Company. Several of the latter company's abandonments were tests drilled to the Trinity deep sand in Cotton Valley.

New wells were authorized for the following parishes: Caddo, one; Bossier, one; Calcasieu, one; Cameron, two; LaFourche, one; LaSalle, one; Morehouse, one; St. Martin, two, and Webster, two.

Palmer Corporation which several months ago completed a lone gasser of 40,000,000 feet capacity in the wildcat area of East Carroll parish in northeast Louisiana, added another failure to its list which have been drilled near the gasser when Mitchiner No. 1 in Section 8-19-11E was abandoned during the week.

Besides the drilling permits there also were one to plug and perforate, one to work over, one to shoot, and 30 to abandon. The week before had recorded 19 to abandon and two to abandon temporarily.

WEEKLY REVIEW OF THE OIL INDUSTRY

Ouachita County Wildcat Attracts Major Interest in Two States.

Special to the Gazette. Shreveport, La., March 2.—Behavior of McDonald Brothers' Wilson No. 1 in Section 25-15-18, Ouachita county Arkansas, a connecting link between the Louann Sector of the Smackover producing area and the Stephen field, provided probably the most interesting feature of the week in the North Louisiana and South Arkansas oil and gas territory.

This well which is being standardized made several heads of oil which was considered significant as the well at first had no gas pressure and refused to flow. However, the standardization for pumping was continued. The action of the test in making heads gave promise of future tests that may hit the oil pay in the 2,800 foot level in that area have sufficient pressure to be flowing wells.

Bad news from this sector came along with the optimistic reports for Charles McDonald's Wilson No. 1 in the same section but a quarter of a mile north of the other test tested salt water a 2,840 feet in a drill stem test and is being deepened. The other Wilson well has total depth of 2,828 feet.

Plugging back of old wells in Smackover to the Nacatosh sand at 1900-2,000 feet and bringing them in as producers is becoming somewhat of a practice in this south Arkansas territory. During the last week Shell Petroleum Corporation plugged back the third well on the Williams lease in section 34-15-15 and brought it in in the Nacatosh. Incidentally, this well, Williams No. 1, is yielding 245 barrels of oil daily and was the best of the last week's completions.

Rainbow City continues at a low level despite the extension of that area two miles southwest into the old East Field of El Dorado. There are only eleven rigs operating in Rainbow City. During the last week only one completion was recorded in that district.

This was Ohio Oil Company's Nash No. 1 in section 6-17-13, completed as a 60-barrel producer at total depth of 3,054 feet. This is in the northeast extension of the field. The last week also accounted for seven gassers and two failures. Six of the week's gassers were in the Monroe and Richland fields, one in the latter, which are beginning to feel the effects of the recent launching of an intensive drilling campaign following announcement of the starting of a big gas line from those areas to St. Louis, Mo.

The spurt is expected to be increased with the announcement during the last week that work will start within six weeks on the proposed line of the Southern Natural Gas Corporation's line from those areas to Birmingham, Ala., and Atlanta, Ga. This line is expected to have a daily capacity of 120,000,000 cubic feet. It may later be extended to Chattanooga, Tenn. An effort to find another sand in Richland parish during the week ended in failure when Magnolia Petroleum Corporation's J. Sartor No. 2 in section 16-16-6E, in the center of gas production at the 2,450 foot level, tested dry and was abandoned at 2,633 feet.

Palmer Corporation, which last summer completed a forty million foot gasser in East Carroll parish, in the extreme northeastern part of Louisiana, hit another failure when it tested dry and abandoned Mitchiner No. 1 in section 8-19-11E, at total depth of 2,717 feet.

Completions for the week were as follows:

Louisiana.—East Carroll (Roosevelt)—Palmer Corporation, Mitchiner No. 1, Section 8-19-11E at 2,717 feet, dry abandoned.

Morehouse parish (Monroe)—Southern Carbon Company, Tensas Delta No. 18, section 2-20-4E, at 2,182 feet, 14 million feet gas; Fee No. 51, section 15-20-4E at 2,143 feet, 32 million feet gas.

Ouachita parish (Monroe)—Pipes and Mack, Wright No. 1, section 11-18-4E, at 2,207 feet, 2 million feet gas; Magnolia Petroleum company, Morrison No. 2, section 2-19-4E, at 2,210 feet, one million feet gas; Hatcher and Evans, Hatcher No. 8, section 21-19-4E at 2,210 feet, four million feet gas.

Richland parish (Lucknow)—Magnolia Petroleum company, J. Sartor No. 2, Section 16-16-6E, at 2,633 feet, dry abandoned; Community Oil and Gas Company, Boise No. 1, section 33-16-6E, at 2,448 feet, 53 million feet gas.

Webster parish (Shongaloo)—Magnolia Petroleum Company, H. H. Branton No. 3, section 6-22-9, at 2,688 feet, four million feet gas.

Arkansas.—Union county (Smackover)—Little Fay Oil Company, Primm A-1, section 24-15-16, at 2,072 feet, 55 barrels; Shell Petroleum corporation, Williams No. 1, section 34-15-15, at 1,975 feet, 245 barrels.

Union county (Rainbow City). Ohio Oil Company, Nash No. 1, account No. 3, Section 6-17-13, at 3,064 feet, 60 barrels.

For this first time in four years heavy Smackover's daily average oil production fell below the 50,000 barrel mark and this recession couple with a drop of 600 barrels in Rainbow City-El Dorado which fell to 13,850 barrels gave the North Louisiana-South Arkansas daily average a decline of 1,785 barrels to a level of 109,190 barrels for the week ending February 27.

Smackover heavy's average for the week was 49,450 barrels, a decline of 750 barrels from the level of the week before. Arkansas' average for the last week was 73,440 barrels, a decline of 560 barrels. Louisiana's average for the last seven-day period was 35,750 barrels, a drop of 225 barrels.

WEEKLY REVIEW OF THE OIL INDUSTRY

Two Wilson Wells in Ouachita County in Center of Limelight.

Special to the Gazette. Shreveport, La., March 9.—The advent of spring has failed to spur oil activity in north Louisiana and south Arkansas. Interest in the territory during the last week has centered in several wildcats, chief of which are the two Wilson wells between Stephens and Louann, and Gulf Refining Company's Caraway No. 1 in Shelby county east Texas.

Charles McDonald is arranging to bail his Wilson No. 1 in the same section 25-15-18 a quarter of a mile north of the other test.

In Shelby County Gulf Refining Company is expected to test within a few days in its Caraway No. 1 in the Patterson Headright survey, two and one-eighth miles northeast of a producer completed on the Pickering lease last winter at 3,440 feet. This well was a rank wildcat, and no further tests have been made in that area.

The chief interest in north Louisiana was aroused by the announcement of the starting of a four-inch pipe line 19 miles in length to the Bowman-Hicks No. 2 of R. L. Gay, trustee, in section 14-7-14, Sabine parish, which was completed last fall flowing 50 barrels of oil daily. Three other wells nearby are under way. The producer is 19 miles from nearest production. The pipe line to be built by the Standard Oil Company of Louisiana, will take over 6,000 barrels of crude now in storage from the well's yield. It will bring the regular price for its gravity for DeSoto and Bull Bayou oil.

Only two producers, both in Pine Island, Caddo parish, La., were added during the week. Their combined initial production is 55 barrels. The week before had accounted for 360 barrels from three producers.

Completions for the week were as follows:

Louisiana.
Caddo parish (Pine Island)—Falcon Oil Company, Muslow No. 2, section 29-20-15, at 2,327 feet, forty barrels; C. H. French, Muslow No. 4, section 31-21-15 at 1,689 feet, fifteen barrels.
Claiborne parish (Arizona)—Dixie Oil Company, Gilbert No. 1, section 27-21-5W, at 5,034 feet, junked, abandoned.
Morehouse parish (Monroe)—Stovall Drilling Company, Etheridge No. 2, section 22-20-4E, at 2,147 feet, 42 million feet gas.
Union parish (Monroe)—Industrial Gas Company, Mrs. M. E. Hill No. 3, section 9-20-3E, at 2,177 feet, three million feet gas.
East Texas.

Panola county (Bethany)—Eureka Natural Gas Company, Bicknell No. 1, J. Short headright survey, at 2,670 feet, junked, abandoned; Nemours Corporation, Brumble No. 4, J. Short headright survey, at 2,265 feet, five million feet gas; Natural Gas Products Company, Roquemore No. 8, J. Short headright survey, at 2,672 feet, five million feet gas.
Arkansas.
Ouachita county (Calhoun)—Sam Sklar, trustee, Langley No. 1, section 19-15-15, at 2,060 feet, dry abandoned.
Union county (Rainbow City)—H. L. Hunt, Inc., Gregory No. 6, section 15-17-14, dry and abandoned.
Union county (Tubal)—Calgo Oil Company, Primm No. 1, section 9-18-17, at 4,385 feet, dry abandoned (second completion).

After dropping steadily for several weeks, daily average oil production in North Louisiana and south Arkansas rallied and rose 660 barrels to a level of 109,850 barrels for the week ending March 6. Heavy Smackover rose 1,075 barrels to an average of 50,525 barrels during the week which offset a decline of 550 barrels in Rainbow City-El Dorado which sank to 13,300 barrels.

The net gain in Arkansas for the last week was 600 barrels, the average for that state being 74,040 barrels for the last seven-day period. Louisiana rose 60 barrels to 35,810 barrels.

Figures for Louisiana for the week follow: Caddo, light, 8,330 barrels, a drop of 570 barrels; Caddo, heavy, 3,960 barrels, a rise of 490 barrels; Red River-De Soto-Sabine, 5,010 barrels, a gain of 30 barrels; Homer, 3,735 barrels, a rise of five barrels; Haynesville, 5,580 barrels, a gain of 120 barrels; Cotton Valley, 3,300 barrels, a drop of 35 barrels; Bellevue, 820 barrels, a rise of twenty barrels; Urania was unchanged at 5,705 barrels as was Little Creek at 270 barrels.

Arkansas fields besides those mentioned showed the following averages for the week: Smackover, light, 6,330 barrels, a rise of 105 barrels; Lisbon, 1,320 barrels, unchanged; Stephens, 1-165 barrels, a gain of fifteen barrels; Nevada county, 1,400 barrels, a drop of 45 barrels.
Drilling permits in Louisiana showed a sharp decline during the week, from the high mark of 27 issued the previous week, only 12 new wells having been authorized for the last seven-day period, according to the weekly list of permits promulgated by the Minerals Division of the Louisiana Conservation Commission.

Eight of the drilling permits during the last week were for wells in south Louisiana. Calcasieu parish leading other parishes of the state with four new wells authorized.

A new test for St. Landry parish which was recently added to the potential producing areas of south Louisiana by the showing of a test there, was authorized when Elbow Explorations, Inc., of Houston, Tex., secured permit to drill Henry Smith No. 1 in section 14-6-1E.

Palmer Corporation which last week abandoned a test in East Carroll about 10 days ago has secured permit to drill another test, O'Brien No. 2 in section 6-19-11E. Palmer completed a 40 million foot well in this wildcat area last summer but all subsequent tests have been failures.

Webster parish secured two new drilling permits, one for Cotton Valley and one for the southern part of Sarepta where there are several drilling operations for oil under way. The former well is Louisiana Oil Refining Corporation's H. G. Gray No. 8 in section 28-21-10, and the Sarepta test is Magnolia Petroleum Corporation's Sallie Coyle No. 1 in section 2-22-11. Industrial Oil and Gas Products company secured permit to drill Striplin No. 1 in section 8-29-4E, Union parish, Monroe gas field.

Other parishes besides those mentioned securing drilling permits are: Cameron, two; St. Martin, one. There was one permit to deepen and none to abandon. The week before there had been ten permits to abandon besides the 27 drilling permits.

WEEKLY REVIEW OF THE OIL INDUSTRY

Rainbow City Pool Returns to Limelight With Two Completions.

Special to the Gazette. 4-7-29

El Dorado, April 6.—Rainbow oil pool of Union county, 12 miles northeast of El Dorado, came into the limelight again during the past week with two completions and a drill stem test that showed around 6,000 barrels of clean oil.

The Lion Oil Refining Company completed its Kelley No. 2 in section 9-17-14, northwest sector of Rainbow field, as a dry gasser good for 15,000,000 feet per day. The well is in the 2,800 foot sand and in the vicinity of other producers. The other producer is the Skelly Oil Company's Kelley No. 2, also in section 9-17-14. This well is good for 150 barrels of high grade oil per day.

What is believed will be another big gusher in the Rainbow field is the Morris No. 1 of the Arkansas Natural Gas Company in the southwest corner of northwest of southwest of section 7-17-13. A drill stem test on the well at 3,034 feet showed about 6,000 barrels of clean oil. The drill stem stood 22 furlongs of oil without a show of water when the crew made the test. Casing has been set and the well will be balled in Wednesday. This test is an east offset to the big flowing well of the Ohio Oil Company in section 12-17-14, which is making 1,500 barrels of fluid, half oil and half water. Two other offsets are being drilled, both by the Ohio. The B. H. Raulston No. 1 in the northeast corner of southeast of southeast of section 12-17-14, and the Oliver No. 1 in the northwest of southwest of southwest of section 7-17-13. The Raulston has been cored and showed up as a producer, while the Raulston is nearing the sand.

With five wildcat wells drilling, three of which are getting down to interesting depths, considerable interest is being manifested in outside tests. The wildcat being put down by J. W. Olvey on the Cottrell farm in section 22-19-17, southeast of Three Creeks, developed a gas showing at 1,941 feet. A drill stem

test failed to indicate a commercial well and the crew is going deeper.

The test of W. M. Coats, trustee, on the McDuffee farm in the southwest of northwest of section 32-19-16, west of Junction City and a half mile from the Louisiana line is being watched. The location is a mile from a well drilled nearly five years ago, where an excellent showing was had in the Nacatoch sand at 1,900 feet. The new test is about 1,000 feet deep.

Test Near Strong.

Seven miles north of Strong another wildcat, the third in that vicinity, is being drilled by J. O. Moore, El Dorado operator. The test is now 2,200 feet and the formation is reported checking favorably. Good showings were had in a test drilled last year by Moore and one by H. L. Hunt, both in the same community.

Other wildcats include: T. J. Bush, McDonald No. 1, section 11-17-18, will likely abandon at below 3,500 feet; Bell and associates, Terrell No. 1, section 21-18-14, has shut down at 2,594. Hawthorne Gas & Oil Company is drilling at 2,000 feet on the Smith No. 1 in section 8-16-17.

Following are the operations in Union county:
Bell and associates, Terrell No. 1, section 27-18-14, temporarily shut down at 2,594; T. J. Bush, trustee, McDonald No. 1, section 11-17-18, drilling at 3,518; W. M. Coats, trustee, McDuffee No. 1, section 31-19-16, drilling at 700 feet; E. L. Foster, Murphy Land Company No. 1, section 22-17-17, temporarily shut down at 935; Hawthorne Gas & Oil Company Smith No. 1 section 8-16-17 drilling below 1,900 feet; J. T. Hawkins Goodwin No. 1, section 4-17-15, shut down at 1,204; Hollifield & McFarland Giller No. 1, section 10-16-15, arranging to pump at 1,983; Gulf Refining Company, Cook No. 1, section 1-18-15, drilling at 2,850; Lion Oil Refining Company Stowe No. 1, section 9-17-14, rigging up; Lovett & Stone Goodwin No. 1, section 5-16-16, shut down at 2,715; Magnolia Petroleum Company Kelley No. 1, section 9-17-14, drilling below surface casing; McDonald brothers Mayfield No. 1, section 29-19-15, drilling below 2,200; J. O. Moore, trustee, Union Sawmill Company No. 1, section 11-18-12, drilling below 2,200; J. W. Olvey, Cottrell No. 1, section 22-19-17, drilling below 2,100; She I, Petroleum Company Biley No. 1, section 9-16-15, cement back and run cable tools; Simmons and associates, Green No. 1, section 2-16-16, waiting on orders at 2,335; Standard Oil Company Goodwin No. 6, section 36-17-16, derrick up.

Runs during the past week were: Rainbow, 10,050 as compared with 10,100 the previous week; Smackover light, 6,300, as compared with 6,350; Smackover heavy, 49,550 and 49,850.

WEEKLY REVIEW OF THE OIL INDUSTRY

Ohio Oil Company's Completion Feature in South Arkansas.

Special to the Gazette.

El Dorado, April 20.—The Ohio Oil Company's Oliver No. 1 well in Rainbow oil pool, which came in early this week with a flow of approximately 5-500 barrels per day was the feature of the week in the South Arkansas oil district. The well was completed from the Crain sand at 3,030 feet. It is located in the northwest corner of southwest of southwest of section 7-17-14.

The Ohio is testing its B. M. Raulston No. 1 in the northeast corner of southeast of southeast of section 12-17-14 this week-end. This well showed up equally as good as the Oliver when cores were taken two weeks ago. It is an offset to the west.

The Magnolia Petroleum Company has completed drill stem test on its Kelley No. 1 in the southwest corner of northeast of northeast of section 9-17-14, in the northwest part of Rainbow field, and will set casing at 2,736 feet.

Considerable interest is being shown in a wildcat test in the northwestern part of the county in the vicinity of Mt. Holly and between the Stephens-Mt. Holly field and the old Lisbon area. The well is the Yocum No. 1 of Wingfield and associates in the southwest of northeast of northeast of section 29-16-17. Cores taken from the well at a depth of slightly below 2,600 feet yielded a good oil showing and it is understood a drill stem test will be made. Many oil men have visited the location and some trading in leases and royalty has been under way. Another wildcat in the same area, the Hawthorne Oil & Gas Company's No. 1 Smith, section 8-16-17, is down below 2,500 feet.

The northwest part of Rainbow field, where the Magnolia has made drill stem test on its Kelley well, is the scene of more activity than at any time since the field was brought in more than a year ago. The Oil Well Corporation will soon make a third test on its Perdue No. 1 in this area, section 9-17-14. The first test failed because of a leak. The second resulted in a 40,000,000-foot gasser, with a spray of oil. It was then the owners recomenced the casing for a third test in the hopes of making an oil well. Rovenger Oil Company, pioneer in the Rainbow territory, is preparing for a test on the Perdue No. 1 in section 9, a half mile from the oil well operation.

Three new locations have been made in Rainbow field following the completion of three new wells. The Ohio Oil Company will start drilling in a few days on the O. Lynn No. 1 in the northeast corner of southwest of southeast of section 7-17-13. The same company has made locations for the Adams No. 2 in the southwest corner of northeast of northeast of section 12-17-14, and the B. H. Raulston No. 2 in the northeast corner of south-

west of southeast of section 12-17-14. All are in the vicinity of the "big three," flowing wells which have a daily production of around 8,000 barrels.

The Lion Oil Refining Company is drilling below 2,000 feet on its Stowe No. 1 in section 4-17-13, near the Ouachita river northeast of the Rainbow territory. Several other wildcats are being put down in Union county.

A fishing job developed on the Timberlake test of the Root Refineries, Inc., in section 25-15-18, Stephens-Mt. Holly field, when the crew dropped 1,800 feet of six-inch casing 1,000 feet. The casing was being set after a drill stem test had indicated a producer at slightly below 2,800 feet.

The Magnolia Petroleum Company is drilling at 2,780 feet on the C. M. Wilson No. 1 in section 25. C. H. McDonald is below 1,500 feet on the Wilson B-1 in the same section. Edwin M. Jones will deepen after finding salt water at 2,966 feet in the R. B. Allen, section 25-15-18.

REJUVENATED WELL FEATURE OF WEEK

B-2 Perdue Stages Comeback to Gauge 300 Barrels in Rainbow Field.

Special to the Gazette. 7-28-29
El Dorado, July 27.—An old well brought in several weeks ago as a good producer only to sand up and stop flowing, furnished the feature of the week in the South Arkansas oil district when it staged a "comeback" with a flow of around 300 barrels of oil per day.

The well is the B-2 Perdue of the Rovenger Oil company in section 9-17-14, northwest part of Rainbow field. The well is in the shallow sand at about 2,850 feet, and is in the vicinity of the intensive drilling cam-

paid the early days of the field. A wildcat well being drilled by W. M. Coats and associates on the McDuffee farm in section 32-19-16, five miles west of Junction city and near the Louisiana line has aroused considerable interests. The crew encountered a good looking sand at around 4,000 feet and a thorough test will be made. The well is one of the deepest drilled in Union county. It is about a mile from an old well drilled several years ago when an oil sand was found in the Nacatoch formation at 1,900 feet.

Sale of 40 acres in section 25-15-18, new Stephen-Mt. Holly field of Ouachita county by McDonald brothers to the Houston Oil company was announced this week. The lease has several producing wells, the best of which is the B-3 Wilson, brought in three weeks ago and making about 2,000 barrels per day. The Houston will develop the lease further, it is said. The company is planning a four-inch pipe line into the new field from its refinery south of Camden.

Rovenger to Move Test
The Rovenger Oil company encountered trouble in testing the Perdue B-3 well in the same vicinity as the B-2, and will skid derrick and start a new hole. The old well indicated a flow of 500 barrels of oil per day in a drill stem test, but a bad job of cementing ruined the well, it was said.
Wildcat activity is holding interest

in Union and other counties of South Arkansas. In the west end of Union county near the Columbia county line Arrandale & Edmondson are drilling at around 2,000 feet on their Gallagher No. 1 in section 18-18-17. The formation is said to be checking up favorably. Several tests have been drilled during the past five years in the west end of the county, and geologists say the surface indications point to an oil pool in that territory.

T. R. Brown and associate are drilling on the Spence No. 1 in section 18-18-22, Columbia county and farther southwest in the same county the Helena Oil & Gas company has shut down on the Pickler No. 1 in section 19-19-22. McDonald brothers have taken over the George LeGrande wildcat test in section 18-14-16, Ouachita county. The Ohio Oil Company is drilling on the Stout Lumber company No. 1 in section 30-16-12, southeast of Harrell, Calhoun county. The Phillips Petroleum company is drilling below 2,800 feet on its Eagle Mills test in Ouachita county.

A quiet drilling campaign is being continued in sections 27 and 35-15-15, Ouachita county, between Smackover and Snow Hill, the old deep sand area, where a shallow sand has been found. Wingfield and Sundby recently completed their No. 1 Farris as a 50-barrel pumper. The Standard, Phillips and Rozana companies are heavy lease owners, and it is believed that a wide territory will be drilled over.

J. T. Hawkins is expected to drill in on the Goodwin No. 1 in section 6-17-15 soon. The wildcat showed a heavy gas pressure in a drill stem test.

EL DORADO FIELD UNUSUALLY QUIET

Activity at Lowest Ebb Since Discovery Eight Years Ago.

Special to the Gazette. 9/8/29
El Dorado, Sept. 7.—With only a few rigs running in the proven areas and wildcatting practically at a standstill, activity in the South Arkansas oil fields is at one of the lowest stages since liquid gold was discovered near El Dorado eight years ago.

A period of watchful waiting has developed with regard to the wildcat test of W. M. Coates, trustee, on the McDuffee farm in section 32-19-16, near Junction City, where many have pinned hopes for a new field. Casing was set on the test four weeks ago, but no announcement has been made as to when a test will be made. Rumors are that Coats is in on a deal with one of the major companies and that a test will probably be made early next week. The Coats well is 4,100 feet deep, the deepest test ever made in South Arkansas. An excellent showing was encountered in what was believed to be the Trinity formation.

O. W. Estes has made location for a wildcat well on the Ike Feisenthal place in section 2-18-15, three miles east of El Dorado, on the Strong highway. The location is southwest of the old East field. Edwin Jones is drilling on a test near the Louisiana line, in section 32-19-14. Derrick has been moved to location for a test by Woodley Petroleum company in section 33-19-18, in the extreme southwest part of Union county. The Pure Oil Company is rigging up to pump its Gregory well in section 10-17-14, Rainbow field, which was completed recently with a production of about 300 barrels per day.

Two wells in the Stephens-Mt. Holly field of Ouachita county are being deepened, after striking what was considered productive sand. Edwin Jones is going deeper on his well in section 25-15-18, and George Kouri is deepening his test in section 24-15-18. Both hit oil around 2,800 feet. The stratum struck by Kouri was said to be only a few inches thick and it was decided best to pass this up. The sand hit in the Jones well was believed to have been good for 300 barrels per day, but

hopes are held for a richer strike in a lower stratum. Charles McDonald and J. D. Reynolds are drilling on the old Le Grande well six miles south of Camden on the Smackover highway, which was shut down several months ago.

TESTS GOING ON IN 13 COUNTIES

Wildcat Drilling Covers Wide Area, According to Bureau's Report.

While wildcatting for oil and gas in Arkansas is at a low ebb at present, test wells now being drilled cover a wide area, such wells being located in no less than 13 counties, according to records in the Department of Conservation and Inspection.

Officials of this department say a tremendous leasing and royalty-buying campaign has been under way for some time in several counties north of the Arkansas river. This is taken as a forerunner of what is expected to develop into a widespread drilling campaign in that part of the state, which is expected to continue through the winter and next summer. Some of the best known geologists of the country are known to look favorably upon this territory. The natural gas field of Johnson county already is known to be a great commercial producer and many geologists contend that there are good chances for oil and more gas in several other counties north of the river.

A review of drilling operations for oil and gas in Arkansas is reflected in the following compilation of wells by the Department of Conservation and Inspection and the State Board of Conservation.

- Ashley county—J. G. Marcum, Mr., McGarry No. 1, Sec. 9-19-14. Drilling 2,500.
- Columbia county—Apeco Syndicate, Dennis No. 1, Sec. 11-20-23. Total depth, 3,600 feet. Helena Oil and Gas Company, Pickler No. 1, Sec. 19-19-22. Drilling 2,700 feet.
- Talbot & Markle, Copeland No. 1, Sec. 30-19-19. Ready to start drilling.
- Johnson county—Ark.-La. Pipe Line Company, Bynum No. 2, Sec. 12-10-24. Total depth, 3,221 feet. Deepening.
- Blackwell Oil and Gas Company, Wynn No. 1, Sec. 21-9-25. Drilling 5-300 feet.
- Little River county—Buck Oil Company, Taaffe No. 1, Sec. 24-12-32. Drilling 100 feet. C. F. McDonald, Black No. 1, Sec. 12-13-28. Drilling 1,432 feet.
- Logan county—Ark.-La. Pipe Line Company, Hanna No. 1, Sec. 26-7-23. Fishing 3,425 feet.
- Madison county—Phillips Petroleum Company, Skinner No. 1, Sec. 11-14-23. Drilling.
- Miller county—Vincent Lenz, Person No. 1, Sec. 13-15-26. Drilling 1,125 feet.

- Ouachita county—Copenhaver, et al., Braswell No. 1, Sec. 2-15-15. Shut down, 1,664 feet. Flaucher, et al., Buck No. 1, Sec. 7-15-17. Stop drilling, 2-465 feet. Geo. Kouri, Wilson No. A-1, Sec. 14-15-18. Depth 2,802, awaiting orders. Lohmon, et al., Fogle No. 1, Sec. 18-14-16. Drilling 1,600 feet. Texas Company, Avera No. 1, Sec. 24-14-18. Shut down awaiting orders, 2,907 feet. Wesson & Bonner, Booth No. 1, Sec. 12-15-19. Shut down, 2,203 feet.
- Pope county—Ark.-La. Pipe Line Company, McFadden & Brooks No. 1, Sec. 15-9N-21W. Drilling, cable tools.
- Union county—Joe Modisette Drilling Company, Union Saw Mill Company No. 1, Sec. 1-18-14. Drilling 2-898 feet. Sam Arrandale, Tr., Gallagher & Nelson No. 1, Sec. 18-18-17. Shut down 2,300 feet. W. M. Coats, Tr., McDuffee No. 1, Sec. 32-19-16; 3,970 feet, awaiting orders. E. M. Jones, Hardy & Murphy No. 1, Sec. 34-19-14. Drilling 2,320 feet. McDonald Bros., Mayfield No. 1, Sec. 29-19-15. Shut down 2,210 feet.
- Van Buren county—Dr. J. S. Martin, Tr., Scaulon No. 1, Sec. 5-9-13, 50 feet, broken cable, awaiting orders.

- Washington county—C. H. Willoughby's, Jones No. 1, Sec. 34-16-30. Shut down 1,900 feet. Lincoln Leaseholding Syndicate, Lincoln No. 1, Sec. 30-15-32. Shut down 1,040 feet for repairs.

- White county—Letona Syndicate, Letona No. 1, Sec. 35-9-8. Drilling 3,500 feet.

- Union County-Rainbow—E. A. Gann, Hattie Doss Warren No. 1, Sec. 10-17-14. Swbdg to test 3,240 feet. Oilwell Corporation, Perdue No. E-2, Sec. 9-17-14. S. D. 3,264 feet. Rovenger Oil Corporation, Perdue No. 3-B, Sec. 9-17-14. Set casing. Total depth, 3,280 feet.

- Union County-El Dorado—J. P. Hawkins, Goodwin No. 1, Sec. 6-17-15. Shut down 2,230 feet. Rice, et al., Whatley No. 1, Sec. 7-17-15. Drilling.
- Union County-Smackover—Wilson & Chapman, Purifoy No. 2, Sec. 2-16-16. Plug back 2,316 feet. Total depth, 2-385 feet.

- Proven Area.
Ouachita county—Mount Holly—Houston Oil Company Wilson No. 2-A, Sec. 25-15-18. W. O. S. R., 2,2100 feet oil—11 feet sand. Total depth, 2,766 feet. Houston Oil Company, Wilson No. B-1, Sec. 25-15-18. Drilling. E. M. Jones, Wilson No. 1-A, Sec. 25-15-18. Drilling 3,000 feet.
- Ouachita county-Smackover.—Hamilton Con. Oils, Inc., Arnold & Doyle, Sec. 23-15-16. Standing 400 feet fluid. Total depth 2,010 feet. Magna Production Company, No. B-11, Sec. 36-15-16.