

N

NEW MEXICO STATE LAND OFFICE

SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST

WELL RECORD

Mail to State Geologist, Santa Fe, New Mexico, not more than ten days after completion of well. Indicate questionable data by following it with (?). Submit in duplicate.

AREA 640 ACRES

AREA 640 ACRES
LOCATE WELL CORRECTLY

Company Phillips Petroleum Company Address Bartlesville, Oklahoma
Send correspondence to L. E. Fitzjarrald Address Bartlesville, Oklahoma
C. D. Woolworth Well No. 4 in SW $\frac{1}{4}$ of Sec. 25, T. 24
R. 36, N. M. P. M., Jal Oil Field Lea County.
If State land the oil and gas lease is No. Assignment No.
If patented land the owner is C. D. Woolworth, Address Jal, New Mexico
The lessee is Pure Oil Company, Address Ft. Worth, Texas
If not state or patented land, give status.
Drilling commenced July 19, 19 24 Drilling was completed August 19, 19 24
Name of drilling contractor Loffland Brothers, Address Tulsa, Oklahoma
Elevation above sea level at top of casing 2554 feet.
The information given is to be kept confidential until 19.

OIL SANDS OR ZONES

No. 1, from **3400** to **3500** No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from_____ to_____ No. 3, from_____ to_____

No. 2, from_____ to_____ No. 4, from_____ to_____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12 1/2	504' 7"	150	Halliburton		
9 5/8	1592	500	Halliburton		
7	2460	500	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material.....Length.....Depth Set.....

Adapters—Material.....Size.....

SHOOTING RECORD

SIZE	SHELL USED	EXPLOSIVE USED	QUANTITY	DATE	DEPTH SHOT	DEPTH CLEANED OUT

TOOLS USED

Rotary tools were used from 0 feet to 3509 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing August 25, _____, 19 24.

The production of the first 2 hours was 281 barrels of fluid of which 99.7 % was oil; .3 % emulsion; _____ % water; and .5 % sediment. Gravity, Be 29.5

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

C. D. Fields, Driller C. E. Ruben, Driller
Carl Simpson, Driller _____, Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 21 Name R. E. Higgins
day of September, 19 54 Position Asst. Production Supt.
J. F. Kead Representing Phillips Petroleum Company
Notary Public. Company or Operator.
My commission expires 3/6/1958

DUPLICATE

SEP 24 1934

APPROVED AS O. K.

BY *Leachman*

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	107	107	Sand, Shell and Red Bed
107	167	60	Red Bed
167	303	136	Sand
303	325	22	Sand (Reamed 16" hole to 3025', Ran 16 Jts. 324' 7" 12 1/2" casing cemented w/ 150 sacks, acid test 254' 500', 750', but no reading shown.
325	470	145	Red Rock
470	628	158	Sand and lime shell
628	700	72	Sand
700	760	60	Sandy shale
760	875	115	Red Rock, Sand, Shale and Shell
875	960	85	Red Rock and Sand
960	1120	160	Red sandy shale
1120	1240	120	Red Rock, Sand, Shale and Shell
1240	1270	30	Anhydrite
1270	1320	50	Anhydrite and shale (Acid 750' 1 degree off. 1050' O. K.
1320	1366	46	Anhydrite and sand
1366	1375	9	Lime, shell
1375	1414	39	Salt and Anhydrite (Ran 45 jts. 9 5/8" 40' cag. Set at
1414	1513	99	Salt (broken) (1391' 8" cemented with 300 sacks)
1513	1794	281	Salt and sand shell
1794	1890	96	Salt
1890	1900	10	Anhydrite
1900	1990	90	Salt
1990	2260	270	Broken salt, Potash and Anhydrite
2260	2500	240	Salt and shell (Acid test 2330' O.K. Acid Test 2500' 2 degrees off
2500	2645	145	Salt
2645	2797	152	Anhydrite and salt (Acid test 2710' - 3 degrees off)
2797	2799	2	Lime shell
2799	2911	12	Salt
2911	2914	3	Broken lime
2914	2940	26	Lime
2940	2970	30	Salt (Acid bottle @ 2970' 3 1/2 degrees off)
2970	2982	12	Lime
2982	2996	14	Lime and anhydrite
2996	2930	34	Lime
2930	2949	19	Lime and anhydrite (Show gas)
2949	3076	127	Lime (acid test @ 2952' 2 degrees off, acid test @ 3000' 1 1/2 degrees off.
3076	3121	45	Lime and anhydrite (acid test @ 3101' 1 1/2° off
3121	3155	34	Lime
3155	3177	22	Lime and anhydrite
3177	3212	35	Lime (SLM)
3212	3244	32	Sandy lime (Acid test @ 3220' 1 degree off proded hole 3410'
3244	3470	226	Lime (Cored No. 1 3'4" recovery. Core showed oil)
3470	3480	10	Dolomite "Blue" (Core showed oil and gas)
3480	3490	10	Cut Core (Run 7" cag. set @ 3459' 11". 2' 10 1/2" recovery. Cemented cag. with 300 sacks
3490	3495	5	Cut Core (13" recovery)
3495	3498	3	Lime
3498	3505	7	Sandy lime (Ran Schlumberger test 3505' Hall. test 3410, 60 bbls. oil 19,000,000 gas, 8 hrs. testing time
3505	3509	4	Sandy lime (T.D.) August 26th pld 2 1/2" tubing after testing and drilled to 3509'. August 27th ran 115 jts. 2 1/2" tubing. August 29th well open 10 hrs. made 994 bbls. thru 2 1/2" tubing. August 30th well open 13 hours 25 minutes made 392 bbls. through 2 1/2" tubing.