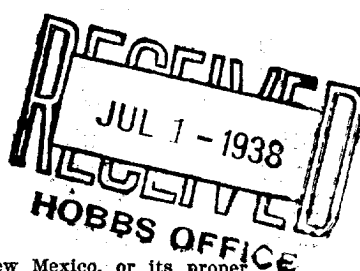


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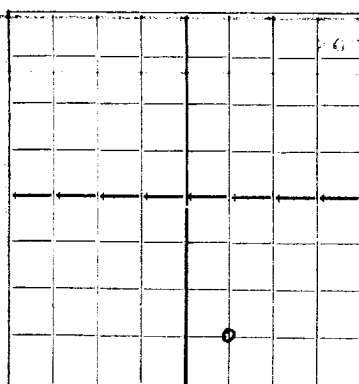
NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD



Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.



AREA 640 ACRES
LOCATE WELL CORRECTLY

Phillips Petroleum Company

Bartlesville, Oklahoma

Company or Operator

Address

Santa Fe

Well No. 4

in SW/4 SE/4 of Sec. 31

T. 17-S

Lease

R. 35-E, N. M. P. M., Vacuum Field, Lea County.

Well is 1980 feet south of the North line and 1980 feet west of the East line of SE/4 Sec. 31

If State land the oil and gas lease is No. B-1861 Assignment No.

DUPLICATE

If patented land the owner is Address

If Government land the permittee is Address

The Lessee is Phillips Petroleum Company Address Bartlesville, Oklahoma

Drilling commenced May 2, 1938 Drilling was completed June 6, 1938

Name of drilling contractor Oil Well Drilling Company Address Dallas, Texas

Elevation above sea level at top of casing 3967.5 feet.

The information given is to be kept confidential until Not confidential 19

OIL SANDS OR ZONES

No. 1, from 4101 to 4662 No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM TO	PURPOSE
15" OD	35#	Welded	Armed	255' 4"	None			
9-5/8" OD	36#	8	SS	1508' 7"	Halliburton			
7" OD	24#	10	SS	4100' 9"	Halliburton			

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17"	15"	255' 4"	300	Halliburton		
12"	9-5/8"	1508' 7"	275	Halliburton		
8 1/2"	7"	4100' 9"	400	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth Set

Adapters—Material Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
1000 gal.		Dowell "XX"	1000 gal.	6-10-38	4101 - 4662	
4000 gal.		Dowell "XX"	4000 gal.	6-14-38	4101 - 4662	

Results of shooting or chemical treatment After treating on 6-10-38, swabbed 208 bbls. oil, oil load & acid in 12 hrs, swabbing to 4000'. Well then flowed 68 bbls. fresh oil in 4 hrs. No water. June 11th flowed 48 bbls. oil, 0 water in 4 hrs. & was shut in. June 12th flowed 109 bbls. oil, 0 water in 7 hrs. Gas measured 345,000 cu. ft. daily. After treating 6-14-38, swabbed 4 times to 1600' & well started flowing. Recovered oil load & acid & flowed 106 bbls. oil, 0 water in 3 hrs. Gas measured 485,000'.

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from 0 feet to 4662 feet, and from feet to feet

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

PRODUCTION

Put to producing June 14, 1938

The production of the first 24 hours was 204 barrels of fluid of which 100% was oil; % emulsion; % water; and % sediment. Gravity, Be 32.0

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

Rock pressure, lbs. per sq. in. No record

EMPLOYEES

Driller Driller

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 23th day of June 1938

Midland, Texas

June 23, 1938

day of June 1938

Name E. A. Liddell

Position District Superintendent

Representing Phillips Petroleum Company

My Commission expires 6-1-39

Address Box 1390, Midland, Texas

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	70	70	Caliche
70	235	165	Sand & Caliche
235	269	34	Red Bed
269	990	721	Red Rock
990	1197	207	Red Bed
1197	1320	123	Red Rock
1320	1375	55	Red Bed
1375	1458	83	Red Rock
1458	1470	12	Red Shale
1470	1574	104	Anhydrite
1574	1760	186	Salt, Anhydrite & Shells
1760	1925	165	Salt & Potash
1925	2450	525	Salt, Anhydrite & Shells
2450	2670	220	Salt
2670	2745	75	Anhydrite & Shale Streaks
2745	2815	70	Anhydrite & Salt
2815	2950	135	Anhydrite
2950	3004	54	Anhydrite & Gyp
3004	3154	150	Anhydrite
3154	3250	96	Anhydrite & Gyp
3250	3327	77	Anhydrite
3327	3390	63	Anhydrite & Gyp
3390	3425	35	Anhydrite
3425	3543	118	Anhydrite & Gyp
3543	3747	204	Anhydrite
3747	3819	72	Anhydrite & Lime
3819	3871	52	Anhydrite
3871	3928	57	Anhydrite & Lime
3928	3955	27	Anhydrite
3955	4101	146	Anhydrite & Lime
4101	4862	561	Lime - - - - - T. D.