

N.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico


AREA 640 ACRES  
LOCATE WELL CORRECTLY

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.

Empire Oil and Refining Co. State N  
Company or Operator Lease  
Well No. 2 in S 3/4 of Sec. 30, T. 19  
R. 37, N. M. P. M., Monument Field, Lea County.  
Well is 4950 feet south of the North line and 2970 feet west of the East line of Sec. 30-19-37  
If State land the oil and gas lease is No. \_\_\_\_\_ Assignment No. \_\_\_\_\_  
If patented land the owner is \_\_\_\_\_ Address \_\_\_\_\_  
If Government land the permittee is \_\_\_\_\_ Address \_\_\_\_\_  
The Lessee is Empire Oil and Refining Co. Address Bartlesville, Okla.  
Drilling commenced May 3, 1936 Drilling was completed June 3, 1936  
Name of drilling contractor Olson Drilling Co. Address Tulsa, Oklahoma  
Elevation above sea level at top of casing 3613 feet.  
The information given is to be kept confidential until \_\_\_\_\_ 19 \_\_\_\_\_

OIL SANDS OR ZONES

No. 1, from 3843' to 3933' 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. 2, 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		PURPOSE
							FROM	TO	
12 1/8"	50	8	L.W.	255'					
9 5/8"	40	8	L.W.	2497'					
7"	24	10	S.S.	3780'					

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
	12 1/8"	255'	200	Halliburton		
	9 5/8"	2497'	800	Halliburton		
	7"	3780'	150	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
		Dowell-X	1000 Gal.	6-4-36	3843-3933	
		Dowell-X	2000 Gal.	6-5-36	3843-3933	

Results of shooting or chemical treatment—Production was increased from 30 barrels per hour to 76 barrels per hour.

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 \_\_\_\_\_ feet to 3933' feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

PRODUCTION

Put to producing June 6, 19 36  
The production of the first 24 hours was 1824 barrels of fluid of which 100 % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, Be \_\_\_\_\_  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

H. H. Sulton Driller G. W. Ballew Driller  
H. B. Trouillion 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 10th

day of June 19 36

Notary Public.

My Commission expires 6-26-39

Hobbs, New Mexico, June 10, 1936  
Name W. H. Henkens  
Position District Clerk  
Representing Empire Oil & Refining Co.  
Address Hobbs, New Mexico

**FORMATION RECORD**

FROM	TO	THICKNESS IN FEET	FORMATION
-	115	115	Sand and Gravel
115	265	150	Red Bed
265	501	236	Red Rock
501	728	227	Red Rock and Shells
728	837	109	Red Rock and Sand
837	924	87	Red Rock, Sand, and Shells
924	1187	263	Red Rock and Sand
1187	1195	8	Red Rock and Shells
1195	1251	56	Anhydrite and Red Rock
1251	1270	19	Anhydrite, Red Rock, and Streaks Salt
1270	1335	65	Salt and Anhydrite
1335	1485	150	Anhydrite, Salt, and Red Rock
1485	1530	45	Anhydrite
1530	1998	468	Anhydrite and Salt
1998	2044	46	Anhydrite and Gyp
2044	2400	356	Anhydrite and Salt
2400	2485	85	Anhydrite
2485	2500	15	Lime
2500	2535	35	Anhydrite
2535	2609	74	Anhydrite and streaks of Salt
2609	2779	170	Anhydrite
2779	2849	70	Anhydrite and Brown Lime
2849	2936	87	Anhydrite and Lime
2936	3003	67	Anhydrite and Brown Lime
3003	3050	47	Anhydrite, Lime, and streaks of Gyp
3050	3102	52	Anhydrite
3102	3314	212	Anhydrite and Lime
3314	3342	28	Lime (gray)
3342	3550	208	Lime
3550	3576	26	Lime (gray) (hard)
3576	3652	76	Lime (gray)
3652	3677	25	Lime (gray) (hard)
3677	3933	256	Lime
			<u>Total Depth</u>