

N.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

TRIPPLICATE

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. 4 in SW SW SW Sec. 30 T. 19
R. 37, N. M. P. M., Monument Field, Lea County.
Well is 4950 feet south of the North line and 4950 feet west of the East line of Section 30
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 June 12, 1936 Drilling was completed July 10, 1936
Name of drilling contractor Oil Well Drilling Co. Address Dallas, Texas
Elevation above sea level at top of casing 3524 feet.
The information given is to be kept confidential until _____ 19____.

OIL SANDS OR ZONES

No. 1, from 3815' to 3940' 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 FROM TO	PURPOSE
<u>12 1/2"</u>	<u>50</u>	<u>8</u>	<u>L.W.</u>	<u>252</u>				
<u>9 5/8"</u>	<u>36#</u>	<u>8</u>	<u>L.W.</u>	<u>2480'</u>	<u>Float</u>			
<u>7"</u>	<u>24#</u>	<u>10</u>	<u>S.S.</u>	<u>3790'</u>	<u>Float</u>			

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>12 1/2"</u>		<u>252'</u>	<u>225</u>	<u>Halliburton</u>		
<u>9 5/8"</u>		<u>2480'</u>	<u>700</u>	<u>Halliburton</u>		
<u>7"</u>		<u>3790'</u>	<u>150</u>	<u>Halliburton</u>		

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

Results of shooting or chemical treatment No shot or acid treatment

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 3940' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing July 11, 1936
The production of the first 24 hours was 2112 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, Be. 32.5
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

H. B. Jobb Driller H. H. Sutton Driller
G. W. Ballew Driller J. E. Frazier 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 14 th Hobbs, New Mexico July 14, 1936
day of July, 1936 Name W. H. Hansen
Notary Public. Position District Clerk
Representing Empire Oil and Refining Co.
My Commission expires 6-26-39 Address Hobbs, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	210	210	Sand and Gravel
210	280	70	Red Rock
280	1030	750	Red Rock and Shells
1030	1100	70	Red Rock and Sandy Shells
1100	1152	52	Red Rock and Sand
1152	1162	10	Red Rock
1162	1198	36	Anhydrite
1198	1270	72	Red Rock and Anhydrite
1270	2304	1034	Anhydrite and Salt
2304	2444	140	Anhydrite and Streaks Salt
2444	2481	37	Anhydrite and Gyp
2481	2612	131	Anhydrite
2612	2822	210	Anhydrite and Gyp
2822	2840	18	Anhydrite
2840	2871	31	Broken Lime
2871	2936	65	Lime and Anhydrite
2936	3086	120	Lime
3086	3087	31	Lime and Anhydrite
3087	3151	64	Lime
3151	3214	63	Lime (Gray)
3214	3425	211	Lime
3425	3615	190	Lime (Gray)
3615	3940	325	Lime
			Total Depth 3940'

NOTEGRAM

Date July 14, 1936

For Frank Vesely Jr., State Oil and Gas Inspector Room _____

From Mobile Oil and Refining Co. Room _____

On July 8, 1936 a grill stem test was made on State E-4 between 3790' and 3835' , Tester was open 17 minutes and showed 30' oil and 210' grilling fluid with approximately 40,000 gas.