

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**

Empire Oil Refining Co. Lease
 Company or Operator
 Well No. 1 in SE 1/4 of Sec. 21, T. 22
 R. 27, N. M. P. M., North Union Field, Logan County.
 Well is 1382 feet south of the North line and 3300 feet west of the East line of ac.-21-22-27
 If State land the oil and gas lease is No. _____ Assignment No. _____
 If patented land the owner is Anna Adams, Address _____
 If Government land the permittee is _____, Address _____
 The Lessee is Empire Oil Refining Company, Address Bartlesville, Oklahoma
 Drilling commenced October 3, 1926. Drilling was completed December 12, 1926
 Name of drilling contractor Connally and Bindorf, Address Ft. Worth, Texas
 Elevation above sea level at top of casing 3363 feet.
 The information given is to be kept confidential until 19____.

OIL SANDS OR ZONES

No. 1, from 3520' to 3600' 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 175' to 188' feet.

No. 2, from 1167' to 1400' feet.

No. 3, from _____ to _____ feet.

No. 4, from _____ to _____ feet.

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
	15 1/2"	76'				
	14 1/2"	237'	150	Balliburton		
	8 1/2"	1113'	65	Balliburton		
	7"	2353'	100	Balliburton		

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
300	10.125" of 4"	Nitro-Glycerine	300 lbs	12-15-56	2475'-3600'	

Results of shooting or chemical treatment: Well flowed at the rate of 206 barrels per day through a 4" open tubing with estimated 1/2 million gas.

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 _____ feet, and from _____ feet to _____ feet.

Cable toops were used from 00 feet to 3400' feet, and from _____ feet to _____ feet.

PRODUCTION

Put to producing December 23, 1936

The production of the first 24 hours was 266 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % 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

Henry Masori	, Driller	L. J. Dunham	, Driller
A. J. Morris	, Driller	A. J. Jones	, 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 31st

day of October, 1936

L. W. Jermian
Notary Public

Hobbs, New Mexico December 31, 1936
Place Date

Name W. A. Adams

Position District Clerk

Representing Empire Oil & Refining Co.

Company or Operator.

My Commission expires.

Address Albbs, New Mexico

DUPLICATE

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
00	40	40	Caliche
40	125	85	Wend
125	130	5	Sandy Shale
130	145	15	Red Rock
145	175	30	Blue Shale
175	180	5	Shale (inter.)
180	190	10	Sandy Shale
190	198	8	Land
198	204	6	Blue Shale
204	215	11	Red Bed
215	260	45	Red Rock
260	320	60	Red Shale
320	380	60	Red Bed
380	415	35	Red Rock
415	465	50	Red Shale
465	490	25	Red Rock
490	520	30	Red Bed
520	560	40	Red Shale
560	595	35	Red Rock
595	650	55	Red Bed
650	683	33	Red Shale
683	715	32	Land
715	725	10	Red Rock
725	775	50	Sandy Shale
775	795	20	Shale
795	805	10	Shale
805	830	25	Land
830	840	10	Red Rock
840	905	65	Sandy Shale
905	945	40	Red Shale
945	955	10	Sandy Shale
955	1000	45	Red Rock
1000	1035	35	Sandy Shale
1035	1070	35	Red Rock
1070	1085	15	Red Shale
1085	1190	105	Anhydrite (water 1107'-1190')
1190	1200	10	Water Sand
1200	1212	12	Anhydrite
1212	1220	8	Red Rock
1220	1225	5	Anhydrite
1225	1241	16	Salt
1241	1275	34	Anhydrite
1275	1290	15	Red Bed
1290	1315	25	Salt
1315	1375	60	Salt, Red Rock, Anhydrite, & Shells
1375	1398	23	Salt & Red Rock
1398	1425	27	Anhydrite
1425	1450	25	Salt
1450	1500	50	Salt & Anhydrite
1500	1515	15	Salt
1515	1530	15	Anhydrite
1530	1565	35	Salt
1565	1630	65	Salt, Anhydrite, & Potash (Blow out 1530')
1630	1653	23	Salt & Potash (Blow out 1640' to 1653')
1653	1665	12	Red Rock & Potash
1665	1800	135	Salt & Potash
1800	1810	10	Anhydrite
1810	1815	5	Red Rock
1815	1830	15	Salt
1830	1885	55	Salt & Potash
1885	1915	30	Salt & Anhydrite
1915	1980	65	Salt & Potash
1980	2005	25	Salt
2005	2020	15	Anhydrite
2020	2030	10	Salt
2030	2055	25	Anhydrite
2055	2075	20	Salt & Anhydrite
2075	2120	45	Salt & Potash
2120	2220	100	Salt
2220	2260	40	Anhydrite
2260	2415	155	Salt
2415	2620	205	Anhydrite
2620	2625	5	White Shale
2625	2795	170	Anhydrite
2795	2805	10	Broken Lime
2805	3215	410	Anhydrite
3215	3220	5	Land
3220	3240	20	Anhydrite & Lime

Continued on attached sheet.