FORM C-105

N.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

DUPLICATE

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-Repollo — Hobbs, New Mexico
Company or Operator — Address

Brunson Well No. 1 in NW NW SE¼ of Sec. 4, T. 22-S
Lease

R. 37-E, N. M. P. M., Eunice Field, Lea County.

Well is 330 feet south of the North line and 2310 feet west of the East line of SE¼ 4-22-37.

If State land the oil and gas lease is No. ____ Assignment No. ____

If patented land the owner is R. L. Brunson, Address Eunice, New Mexico

If Government land the permittee is ____, Address ____

The Lessee is Empire Oil & Refining Co. & Repollo Oil Co. Bartlesville, Okla.

Drilling commenced November 12, 1936. Drilling was completed February 14, 1937.

Name of drilling contractor Donnelly & Sindorf, Address Ft. Worth, Texas

Elevation above sea level at top of casing 3440 feet.

The information given is to be kept confidential until ------ 19____.

OIL SANDS OR ZONES

No. 1, from 3365 to 3375 No. 4, from 3668 to 3676
No. 2, from 3628 to 3635 No. 5, from 3691 to 3700
No. 3, from 3652 to 3655 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 200 to 240 feet. 40
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	PERFORATED TO	PURPOSE
16"	70#	8	L.W.	136'	Casing				
13"	40#	8	L.W.	289'	Casing	(Pulled)			
10¾"	45#	8	S.S.	545'	Casing	(Pulled)			
8 5/8"	32#	10	S.S.	1265'	Casing				
7"	24#	10	S.S.	3595'	Float				
2" UE	4.7#	10	S.S.	3738'					

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
	16"	135'7"	75	Halliburton		
	8 5/8"	1265'0"	75	Halliburton		
	7"	3595'0"	100	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 XX	2000	2-19-37	3628'-3750'	

Results of shooting or chemical treatment Production before acid was 72 barrels daily, production after acid was 456 barrels daily, an increase of 384 barrels daily.

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 tools were used from 00' feet to 3750' feet, and from ____ feet to ____ feet

PRODUCTION

Put to producing February 19, 1937

The production of the first 24 hours was 456 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, Be 38.0

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

Rock pressure, lbs. per sq. in. ____

EMPLOYEES

L. E. Dunham, Driller Carl Goodard, Driller
Durb Short, Driller H. R. English, 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 26th day of February, 1937

L. E. Jernigan
Notary Public.

My Commission expires 6-26-39

Hobbs, New Mexico February 26, 1937
Place Date

Name W. T. Hankins

Position District Clerk

Representing Empire Oil & Refining Co.
Company or Operator

Address Hobbs, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
00	25	25	Caliche
25	145	120	Sand
145	150	5	Red Mud
150	185	35	Red Rock
185	190	5	Sandy Shale
190	200	10	Red Sandy Shale
200	240	40	Sand (Water)
240	248	8	Red Bed
248	255	7	Red Rock
255	270	15	Blue Shale
270	285	15	Sand
285	310	25	Red Rock
310	350	40	Red Mud
350	398	48	Red & Blue Mud
398	410	12	Red Rock
410	420	10	Sand
420	590	170	Red Rock
590	600	10	Gray Shale
600	635	35	Red Rock
635	650	15	Gray Shale
650	660	10	Red Rock
660	680	20	Gray Shale
680	695	15	Red Rock
695	730	35	Gray Shale
730	755	25	Sandy Shale
755	765	10	Red Rock
765	770	5	Gray Shale
770	805	35	Sand
805	810	5	Red Rock
810	880	70	Sand
880	887	7	Red Rock
887	917	30	Brown Shale
917	975	58	Sand
975	1095	120	Red Rock
1095	1115	20	Sandy Red Rock
1115	1140	25	Red rock
1140	1245	105	Anhydrite
1245	1275	30	Salt, & Anhydrite
1275	1300	25	Gray Shale
1300	1320	20	Anhydrite, & Salt
1320	1325	5	Anhydrite
1325	1335	10	Red Rock
1335	1385	50	Anhydrite, & Red Rock
1385	1455	70	Salt, & Red Rock
1455	1480	25	Anhydrite
1480	1530	50	Anhydrite, & Salt
1530	1575	45	Salt, & Potash (Blow out 1586')
1575	1600	25	Anhydrite
1600	1620	20	Salt
1620	1670	50	Anhydrite, & Salt
1670	1680	10	Salt
1680	1690	10	Anhydrite
1690	1765	75	Salt
1765	1815	50	Salt, & Anhydrite
1815	1875	60	Salt
1875	1885	10	Anhydrite
1885	1995	110	Salt
1995	2040	45	Salt, & Anhydrite
2040	2405	365	Salt
2405	2915	510	Anhydrite
2915	2960	45	Brown Lime, & Anhydrite
2960	2985	25	Anhydrite
2985	3190	205	Lime
3190	3200	10	Lime, & Red Rock
3200	3365	165	Lime
3365	3375	10	Sand (Show of oil 3365-3375')
3375	3508	133	Lime
3508	3518	10	Sand
3518	3530	12	Lime
3530	3550	20	Sandy Lime
3550	3573	23	Lime
3573	3577	4	Sandy Lime
3577	3593	16	Lime
3593	3600	7	Broken Lime
3600	3750	150	Lime

Total Depth 3750'

Oil & Gas Shows

Oil & Gas	3628'-3635'
Oil	3652'-3655'
Oil & Gas	3665'-3676'
Oil	3691'-3700'