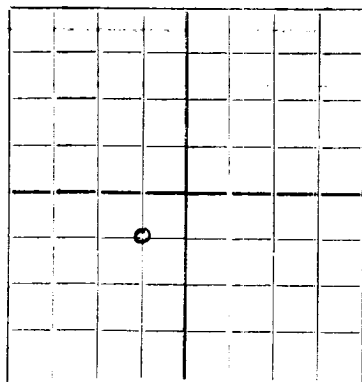


N.

## 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

1

Well No.

1

in NE 1/4

of Sec.

30

T.

19

R. 37

N. M. P. M.

Mountain

Field,

392

County.

Well is 3300

feet south of the North line and

3300

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 March 14

1936

Drilling was completed

April 28

1936

Name of drilling contractor Olson Drilling Co.

Address Tulsa, Oklahoma

Elevation above sea level at top of casing

3345

feet.

The information given is to be kept confidential until

19

## OIL SANDS OR ZONES

No. 1. from

3357'

to

3370'

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 1/2"	30	8	...	250'					
9 5/8"	40	8	...	2499'					
7"	24	10	...	3914'					

## MUDGING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
	12 1/2"	250'	200	Halliburton		
	9 5/8"	2499'	800	"		100
	7"	3914'	150	"		

## 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 lb. 2	1000	4-27-36	3357-3370	

Results of shooting or chemical treatment: Production was increased from 40 barrels per hour to 157 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 3357' feet to 3370 feet, and from feet to feet

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

## PRODUCTION

Put to producing April 28, 1936

The production of the first 24 hours was 735 barrels of fluid of which 200 % 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

Pete Green

Driller

Driller

T. E. Morris

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 4th

day of May, 1936

L. W. Jenkins  
Notary Public.

My Commission expires 6-23-39

Hobbs, New Mexico May 4, 1936

Name W. H. Morris

Position District Clerk

Representing Empire Oil Refining Co.  
Company or Operator

Address Hobbs, New Mexico

# FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
--	26	28	Caliche
28	127	99	Sand
127	215	88	Red Bed and Sand
215	252	37	Red Bed
252	300	48	Red Bed and Shells
300	1100	800	Red Rock and Shells
1100	1220	120	Red and Green Shale
1220	1300	80	Anhydrite
1300	1322	22	Broken Anhydrite and Shale
1322	1330	8	Anhydrite and Shale
1330	1520	190	Salt and Shale
1520	1540	20	Anhydrite
1540	1615	75	Salt and Shale
1615	2390	775	Anhydrite and Salt
2390	2411	21	Salt
2411	2500	89	Anhydrite
2500	2626	126	Anhydrite and Lime
2626	2978	352	Lime, Anhydrite, and Gyp
2978	3024	46	Lime and Anhydrite
3024	3055	31	Brown Lime and Anhydrite
3055	3310	255	Lime and Anhydrite
3310	3340	30	Lime and Shale
3340	3367	27	Brown Lime
3367	3396	29	Lime
3396	3418	22	Lime and Shale
3418	3430	12	Lime ( Gray and Brown )
3430	3433	3	Lime
3433	3447	14	Lime and Gray Shale
3447	3455	8	Lime ( Gas Show )
3455	3481	26	Lime ( Gray )
3481	3498	17	Gray Sandy Lime
3498	3520	22	Lime
3520	3583	63	Lime ( Gray )
3583	3639	56	Lime
3639	3680	41	Lime ( Gray )
3680	3693	13	Lime ( Brown )
3693	3733	40	Brown Lime and Streaks of Blue Shale
3733	3758	5	Lime and Shale
3758	3762	24	Lime ( Gray )
3762	3920	158	Lime
3920	3965	45	Lime ( Broken )
3965	3970	5	Lime ( Hard )-----Total Depth