

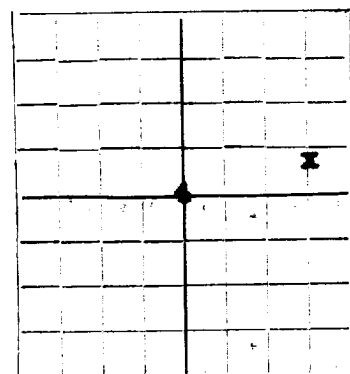
N.

NEW MEXICO OIL CONSERVATION COMMISSION

DUPLICATE

Santa Fe, New Mexico

WELL RECORD

AREA 640 ACRES
LOCATE WELL CORRECTLY

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.

Amarada Petroleum Corporation

Tulsa, Oklahoma

Company or Operator

Address

H. Corrigan

Well No.

2

1-35 1/2 NE 1/4

of Sec.

4

T. 22

Lease

R. 37

N. M. P. M.

Ponose

Field,

Lea

County.

Well is 2310 feet south of the North line and 600 feet west of the East line of 4-22-37

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 Amarada Petroleum Corporation Address Tulsa, Oklahoma

Drilling commenced November 15, 1937 Drilling was completed December 29, 1937

Name of drilling contractor Two States Drilling Co Address Dallas, Texas.

Elevation above sea level at top of casing 3453 feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

Ponose section of Queen formation.

No. 1, from 3678 to 3770 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 None to feet.

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 TO	PURPOSE
10-5/8"	32.75	8-11/16"	L.W.	295.1'	Texas Pattern			
6-5/8"	20	10-1/4"	Sale	2677'	Texas Pattern			

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
15"	10-3/4"	307'	300	Halliburton		
7-7/8"	6-5/8"	3337'	500	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
on back of page.						

Results of shooting or chemical 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 0 feet to 3770 feet, and from feet to feet
 Cable tools were used from 3770 feet to 3822 feet, and from feet to feet

PRODUCTION

Put to producing December 19, 1938, 19
 The production of the first 15 hours was 144 barrels of fluid of which 100 % was oil; %
 emulsion; % water; and % sediment. Gravity, Be 36.
 If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
 Rock pressure, lbs. per sq. in.

EMPLOYEES

Buster Florence, Driller J.M. Darnell, Driller
 T.G. Maxwell, 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 21

Eunice, N. Mexico February 18, 1938

day of February, 1938

Name J. L. Haver

Position Sup't

Representing Amarada Petroleum Corporation

My Commission expires Dec. 21, 1940

Address

Eunice, New Mexico

FORMATION RECORD

FORM NO. 100-10

FROM	TO	THICKNESS IN FEET	FORMATION
0	18	18	Chalk and substructure.
18	85	67	Surface clay and caliche.
85	160	75	Sand and shells.
160	210	50	Red bed. Sandstone
210	437	227	Red bed & shells. Set 10-3/4" cs. At 367' w/ 300 sacks
437	627	190	Red rock.
627	785	158	Red bed.
785	1162	377	Red rock.
1162	1260	98	Anhydrite. Top of anhydrite 1162'.
1260	1635	375	Anhydrite and salt. Top of salt 1260' estimated.
1635	1658	23	Anhydrite.
1658	2235	577	Salt and anhydrite.
2235	2256	21	Anhydrite.
2256	2411	155	Salt and anhydrite.
2411	2467	56	Gypsum and anhydrite. Base of salt 2411'.
2467	2508	41	Anhydrite.
2508	2710	202	Gypsum and anhydrite. Top of sand 2600'. Top of Eunice lime 2680'
2710	2736	26	Anhydrite.
2736	2770	34	Anhydrite and gypsum.
2770	2806	36	Anhydrite.
2806	2842	36	Anhydrite and lime.
2842	2863	21	Anhydrite and streaks of lime.
2863	3039	176	Lime and anhydrite. Show of gas 3195'-3200'.
3039	3259	220	Lime.
3259	3308	49	Lime and anhydrite.
3308	3341	33	Lime.
3341	3368	27	Anhydrite and lime.
3368	3419	51	Lime.
3419	3440	21	Gray lime.
3440	3506	66	Lime.
3506	3544	38	Broken lime.
3544	3594	50	Lime. Set 6-5/8" csg. at 3587' w/ 600 sacks.
3594	3595	1	Steel line correction.
3595	3597	2	Lime.
3597	3609	12	Gray lime.
3609	3637	28	Lime.
3637	3653	16	Gray lime.
3653	3678	25	Lime.
3678	3715	37	Broken sand and lime. Top of pay 3678'
3715	3740	25	Lime and sand.
3740	3780	40	Lime.
3780	3758	22	Lime and shale.
3758	3770	12	Lime.

At T.D. of 3740', Set 2 1/2" upset tubing at 3735'. Swabbed 9 hrs and well cleaned up. Making approx 1/2 barrels oil per hour. Very little gas. Acidized w/ 2000 gallons of Howell XX Acid. Acid started in hole dry. Then pumped oil in casing. Flashed tubing w/ 24 barrels and casing w/ 108 bbls oil. Acid went in under 1300# to 1400# on casing, while pumping at the rate of 60 bbls per hour. Acid set 1 hour. Swabbed 2 hours and well started flowing. Flowed 6 hrs and died. Shut in 2 hrs and then opened up and flowed 5 1/2 bbls fluid the first hour and died. Total fluid recovered 60 barrels. Gas estimated at 100,000'. Tubing P. 40#. Csg. P. 450#.

12/28/37- Pulled tubing and deepened well to 3770' from 3740'. Re-ran tubing to 3765'. Swabbed approx 1 time per hour for 8 1/2 hours. Then well flowed and made 144 bbls fluid on 15 1/2 hour test. Swabbing and flowing. Daily gas volume of 100,000' estimated.

1-22-38-5 3770' Total depth. Rigged on standard tools.

3770' 3622' 52' Gray lime. No increase in either water or oil. Plugged back to 3770' w/ lead wool and gravel and steel cuttings.

3622' 3770' 52' Plugged back.

2/1/38

3770' T.D. Gray lime. Shot well w/ 280 quarts of Nitro from 3625'-37658. Cleaned out to bottom. Ran 2 1/2" upset tubing to 3745'. Swabbed and flowed 64 barrels pipe line oil on 12 hour test through 11/64" tubing. Total oil produced 108 bbls oil, while running tubing and on the above 12 hour test. Daily gas volume of 210,000'. Gas oil ratio of 6328. Casing Pressure 50#. Tubing pressure 20#.

12/31/38

3770' Total depth. Acidized w/ 2000 gallons of Chemical Process acid. Acid started in under 1500# on casing and finished under 1180# on casing. The hole had been filled w/ 110 barrels of oil. The tubing was flushed w/ 37 barrels oil. Acid set 1 1/2 hours. Swabbed well 9 1/2 hours. Well started flowing and flowed on 16/64" choke. Total production on 13 1/2 hour swabbing and flowing test, 180 barrels fluid. 10% B.S. & Water. Csg. P. 450#. Tbg. P. 100#.

1/1/38

3770' Total depth. Well flowed 64 barrels oil on 24 hour test. Hourly average of 2.6 barrels per hour. Flowing through 11/64" Choke. Daily gas volume of 96,000'. Gas oil ratio of 1505. Csg. P. 550#. Tbg. P. 320#.

RECORD OF CHILLING AND SPECIAL TESTS

CHILLING TEST

RECORD OF

RECORD OF