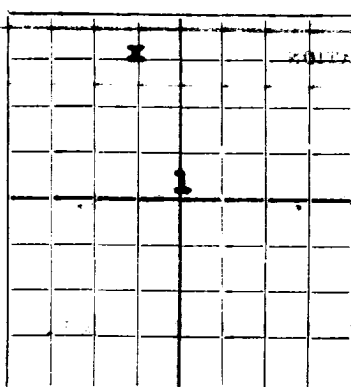


N.

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.

Amerada Petroleum Corporation

State " D "

Company or Operator

Lease

Well No. 4 in NE 1/4 NW 1/4 of Sec. 1, T. 20

R. 36, N. M. P. M., Monument Field, Lea County.

Well is 660' feet south of the North line and 1080' feet west of the East line of 1 - 20 - 36

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 Amerada Petroleum Corporation Address Tulsa, Oklahoma

Drilling commenced April 29, 1937 19 Drilling was completed May 28, 1937 19

Name of drilling contractor Rowan Drilling Co Address Ft. Worth, Texas

Elevation above sea level at top of casing 3586' feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 3821' to 3900' 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. 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
12 1/2"	40#	8-Thd.	L.W.	182'8"	Texas Pattern			
8-5/8"	32#	8-Thd.	Smls	2323'7"	Baker Bakku			
6-1/2"	17#	10-Thd.	Smls	3834'1"	Texas Pattern			

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17 1/2"	12 1/2"	198'	200	Halliburton		
11"	8-5/8"	2321'	600	Halliburton		
7-7/8"	5-1/2"	3820'	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

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 3900' feet, and from feet to feet

Cable tools were used from 0 feet to feet, and from feet to feet

PRODUCTION

Put to producing May 29, 1937 19

The production of the first 24 hours was 532 barrels of fluid of which % was oil; %

emulsion; % water; and % sediment. Gravity, Be 32

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.D. Hardeman Driller Ed Wilcox Driller

J.H. Cranfill 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 29

Monument, New Mexico

May 29, 1937

day of May, 1937

Name J. C. Carr

Position Sup't. Foreman

Lewis A. Wanda

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	18	18	Cellar and substructure
18	160	142	Caliche and sand.
160	625	465	Red bed. Set 198' of 12 $\frac{1}{2}$ " csg. w/ 600 sacks.
625	680	55	Red bed and red rock.
680	775	95	Red bed and shale.
775	960	85	Red rock.
960	1050	70	Red rock and anhydrite. Top of Anhydrite 950'.
1030	1090	60	Anhydrite.
1090	1285	195	Salt and anhydrite.
1285	1599	314	Broken salt, anhydrite and potash. Air showing.
1599	2175	576	Salt and anhydrite.
2175	2220	45	Salt. Base of salt 2220'
2220	2300	80	Broken anhydrite.
2300	2516	216	Anhydrite Set 8-5/8" csg. At 2321' w/ 600 sacks.
2516	2675	159	Anhydrite and lime. Gas shows 2640'-45', 2660'-70'.
2675	2725	50	Broken lime. Gas show
2713	2775	62	Lime and anhydrite. Top of Monument Lime 2520'.
2775	2833	58	Broken lime.
2833	2860	27	Anhydrite.
2860	3018	158	Lime and anhydrite.
3018	3081	63	Broken lime.
3081	3168	87	Lime and anhydrite.
3168	3220	52	Gray lime.
3220	3583	363	Lime. Gas shows 3248'-60', 3270'-75'.
3583	3654	71	Brown lime.
3654	3735	101	Lime.
3735	3768	33	Brown lime.
3768	3900	132	Lime. Set 5-1/2" csg. At 3820' w/ 100 sacks.

Top of Pay 3821'.

3900' Total depth. Broken lime. Set 2 $\frac{1}{2}$ " upset tubing at 3897'. Swabbed in and flowed 32 barrels oil on 40 minute test. Through 1" open choke on 2 $\frac{1}{2}$ " tubing. Gas volume of 12,000,000'. Killed well w/ water. Pulled tubing and re-run same with packer. (Robinson Rubber 2 $\frac{1}{2}$ " X 4 $\frac{1}{4}$ " X 40") Set packer at 3866' w/ perforations below. Swabbed in and flowed 403 barrels pipe line oil on 4 hour and 50 minute test. Hourly average of 83 barrels. Flowing through 1" open choke on 2 $\frac{1}{2}$ " tubing. Daily gas rate of 945,000'. Gas oil ratio 406. Tubing pressure 180#. Casing pressure 200#.