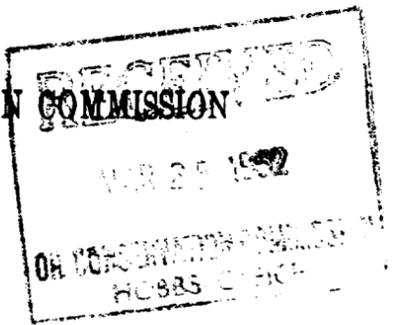


NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico



Grid showing well location: R-33-E, Sec. 10, T 15 S

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or representative not more than twenty days after completion of well.

AREA 640 ACRES LOCATE WELL CORRECTLY

Amerada Petroleum Corporation - Monument, New Mexico State S^WC^W

Well No. 2 in G/M/4, NW/4 Sec. 10, T. 15-S

R-33-E, N. M. P. M., Saunders Field, Lea County.

Well is 660 feet south of the North line and 4620 feet west of the East line of Section 10

If State land the oil and gas lease is No. E-819 Assignment No.

If patented land the owner is Address

If Government land the permittee is Address

The Lessee is Amerada Petroleum Corporation Address Box 2040, Tulsa, Oklahoma

Drilling commenced 1/6/52 1-6-52 19 Drilling was completed 3/6/52 19

Name of drilling contractor McVay & Stafford Drilling Company Address 1110 Philtower, Tulsa, Oklahoma

Elevation above sea level at top of casing 4190 feet.

The information given is to be kept confidential until Not Confidential 19

OIL SANDS OR ZONES

No. 1, from 9740 to 9950 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. 3, from to feet.

No. 4, from to feet.

CASING RECORD

Table with columns: SIZE, WEIGHT PER FOOT, THREADS PER INCH, MAKE, AMOUNT, KIND OF SHOE, CUT & FILLED FROM, PERFORATED FROM TO, PURPOSE. Includes rows for 13-3/8, 8-5/8, and 5-1/2 casing sizes.

MUDDING AND CEMENTING RECORD

Table with columns: SIZE OF HOLE, SIZE OF CASING, WHERE SET, NO. SACKS OF CEMENT, METHOD USED, MUD GRAVITY, AMOUNT OF MUD USED. Includes rows for 17-1/4, 11, and 7-7/8 hole sizes.

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth Set

Adapters—Material Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

Table with columns: SIZE, SHELL USED, EXPLOSIVE OR CHEMICAL USED, QUANTITY, DATE, DEPTH SHOT OR TREATED, DEPTH CLEANED OUT. Includes entry for Dowell 15% LST on 3/10/52.

Results of shooting or chemical treatment Flowed 203.85 bbl oil, .45 bbl N.S. and 22.70 bbl water in 12 hours on 10/64" choke TP 800#. Gas Vol. 610,790 cu ft p/d GOR 1498 Qty 41.4

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 10,050' feet, and from feet to feet.

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

PRODUCTION

Put to producing March 11, 1952, 19

The production of the first 24 hours was 454.06 barrels of fluid of which 89.80 % was oil; - % emulsion; 10.00 % water; and .20 % sediment. Gravity, Be. 41.4

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

A. M. Brasial, Driller K. R. Dewees, Driller

P. J. Boyd, 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 20th Monument, New Mexico March 20, 1952

day of March 1952 Name [Signature]

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	6	6	Cellar
6	220	214	Sand & Caliche
220	300	80	Red Bed, Sand & Shale
300	1610	1310	Sand and Shale
1610	1690	80	Sand, Anhydrite and Shale
1690	2710	1020	Shale, Anhydrite and Salt
2710	3230	520	Shale, Anhydrite and Sand
3230	3500	270	Shale and Anhydrite
3500	4020	520	Shale, Anhydrite, Sand and Salt
4020	4200	180	Shale, Anhydrite, Sand and Dolomite
4200	5590	1390	Dolomite and Anhydrite
5590	5650	60	Limestone and Dolomite
5650	5740	90	Dolomite and Anhydrite
5740	6490	750	Dolomite, Sand and Anhydrite
6490	7500	1010	Dolomite, Sand and Anhydrite
7500	7700	200	Dolomite and Anhydrite
7700	7765	65	Anhydrite and Dolomite
7765	8200	435	Red & green Shale, Anhydrite and Dolomite
8200	9000	800	Anhydrite and Dolomite
9000	9200	200	Dolomite and Chert
9200	9280	80	Limestone
9280	9340	60	Limestone and Chert
9340	9800	460	Limestone, Chert & Shale
9800	10050	250	Limestone, W/Shale Stringers -
	10050		Total Depth -
	9950		Drilled out Depth

SLOPE TESTS

180	Straight
595	-1/4 deg.
1100	-1/4
1570	-1/2
2090	-1/2
2540	-1/4
2970	1-
3434	1-1/4
3825	-1/2
4135	-1/2
4685	-1/2
4925	-1/2
5360	1-
5735	1-3/4
6375	1-
6700	-3/4
7280	-1/2
7545	-3/4
8260	-1/2
8630	1-1/4
9051	1-
9470	1-1/4

GEOLOGICAL DATA

Top Anhydrite	1520
Top Salt	1620
Base Salt	2493 (Platform)
Base Salt	2578 (Bagley)
Top Yates	2661
Base Yates	2818
Top Artesia Red Sand	3459
Top San Andres	4203
Base San Andres	5728
Top Paddeck	6027
Top Clearfork	6410
Top Abe	7757
Top Wolfcamp	9103
Top Pennsylvanian	9385

DRILL STEM TESTS

- D.S.T. #1 - From 9769' to 9808' - 4 hour test - Opened tool W/Good blow of air. Gas up in 5 minutes. Volume too small to measure. No fluid to surface. Recovered 90' oil 5% mud cut. 8070' free oil. Gty 40. 30' heavy oil & gas cut mud. No water.
- D.S.T. #2 - From 9808' to 9825' - 4 hour - 15 minute Test - Opened tool with no blow - Found Control Head plugged. Unplugged head and re-opened tool with weak blow of air which died in 12 minutes. No gas or fluid to surface. Recovered 3' drlg mud.
- D.S.T. #3 - From 9808' to 9825' - 5 hour & 17 minute test - Opened tool with faint blow of air which died in 2 minutes. Closed & re-opened tool with strong blow of air. Gas up in 8 minutes - Vol. too small to measure. Recovered 540' free oil. Gty 36.8 645' oil 35% mud ct. No water.
- D.S.T. #4 - From 9825' to 9868' - 4 hour Test - Opened tool W/gas up in 3 minutes. Mud up in 10 minutes. Oil up in 11 minutes. Gas Vol. 1,624,000 cu ft p/d. Flowed 223.58 bbl oil, .80 bbl B.S. & 12.39 bbl water in 4 hours. Gty 38.6 corrected. Rled down 15.56 bbl oil. Recovered 1080' free oil, 270' salt water.
- D.S.T. #5 - 9868' to 9925' - 6 hour & 15 minute test - Opened tool W/fair blow of air. Gas up in 5 minutes. Vol. too small to measure. Control plugged. Unplugged Control Head and re-opened tool, W/no increase in blow. Recovered out 16.56 bbl oil. Recovered 3770' oil, 310' oil & gas cut mud, 940' salt water, 1260' oil, 60' oil and gas cut mud, 500' salt water, 1500' oil, 60' oil & gas cut mud, and 510 salt water.
- D.S.T. #6 - From 9941' to 9975' - 4 hour test - Opened tool W/weak blow of air. No gas or fluid to surface. Recovered 45' slightly gas cut drlg mud.