

B-38-E

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

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S

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or nearest 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

Amerada Petroleum Corporation - Monument, New Mexico **Mary J. Raley**
Company or Operator Lease

Well No. **1** in **C/NW/4, NW/4** of Sec. **17**, T. **20-S**
R. **38-E**, N. M. P. M., **Undesignated** Field, **Lea** County.

Well is **660** feet south of the North line and **4620** feet west of the East line of **Section 17**

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 **P.O. Box 2040, Tulsa, Okla.**

Drilling commenced **11/25/51** 19____ Drilling was completed **2/15/52** 19____

Name of drilling contractor **Parker Drilling Co.** Address **Nat'l. Bank of Tulsa Bldg. Tulsa, Oklahoma**

Elevation above sea level at top of casing **3560'** feet.

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

OIL SANDS OR ZONES

No. 1, from **9104'** to **9175'** 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

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
13-3/8	36#	S.J.	S.W.	230'	Guide				
8-5/8	24# & 32	8-RT	Smls.	3657'	Float				
5-1/2	15.5 & 17#	8-RT	Smls.	9219	Float		9104	9175	Production

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/4	13-3/8	295'	200	Halliburton		
11	8-5/8	3678	1500	Halliburton		
7-7/8	5-1/2	9230	600	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 Mud Acid	500 Gal.	2/20/52	9104-9175	

Results of shooting or chemical treatment **Flowed 272.41 bbl oil, 1.58 bbl P.S. Water in 11 hours on 1/4" choke. T.P. 775# Gas Vol. 201,500 cu ft p/d. GOR 339. Gty 45.6 corrected**

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 **9240** feet, and from _____ feet to _____ feet.
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

PRODUCTION

Put to producing **February 21, 1952**, 19____
The production of the first 24 hours was **597.60** barrels of fluid of which **99.44** % was oil; _____ % emulsion; **0** % water; and **.56** % sediment. Gravity, Be **45.6**.
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.A. Whitfield Driller **Earl M. Dodge** Driller
C.R. Stewart 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 **24th** day of **February**, 19 **52**
[Signature]
Notary Public
My Commission expires **8/23/55**

Monument, New Mexico **February 24, 1952**
Place Date
Name *[Signature]*
Position **Assistant District Superintendent**
Representing **Amerada Petroleum Corporation**
Company or Operator.
Address **Drawer D, Monument, New Mexico**

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	6'	6'	Cellar
6	1404	1398	Red Bed, Sand & Shale.
1404	1510	160	Anhydrite, Red Sand and Shale.
1510	2525	1015	Salt, Anhydrite and Anhydrite
2525	2650	125	Anhydrite
2650	2790	140	Red Sand and Anhydrite
2790	3480	690-	Dolomite and Anhydrite
3480	3746	266	Dolomite and Anhydrite, and Sand
3746	3909	163	Dolomite and Sand
3909	4100	191	Sand and Dolomite
4100	5350	1250	Dolomite and Anhydrite
5350	5855	505	Dolomite and Sand
5855	6358	503	Dolomite
6358	6950	592	Sand and Dolomite
6950	7658	708	Dolomite and Limestone
7658	7858	200	Limestone and Shale.
7858	8705	847	Dolomite and Chert
8705	9102	307	Sand and Dolomite
9102	9240	138	Sand & Shale.
	9240		Total Depth
	9230		Plug Back Depth

SLOPE TESTS

GEOLOGICAL DATA

800	-3/4 steep	Top Anhydrite	1478'
1300	1-1/4 deg.	Top Salt	1578
2080	-1/2	Base Salt	2577
2650	1-1/2	Top Yates	2717
3030	1-1/4	Top Zone #1	2737
3441	1-3/4	Top Monument Limestone	2867
3670	1-1/4	Top Grayburg	3753 (Tentative)
3850	-3/4	Top San Andres	4075
4224	-3/4	Base San Andres	5372
4615	1-1/4	Top Clearfork	5889
5030	2-3/4	Top Tubbs	6374
5070	3-	Top Main Tubbs	6434
5285	3-	Base Tubbs	6503
5360	3-	Top Wichita	6988
5795	2-1/2	Base Permian	7699
6000	2-1/4	Top Devonian	7938
6490	1-1/4	Top Montoya	8495
6830	1-	Top Simpson	8776
7180	1-1/2	Top First Sand	9068
7540	1-1/2	Top McKee	9104
7758	2-1/2	Base McKee	9194
7907	2-1/2		
8075	2-3/4		
8225	1-1/4		
8412	4-1/2		
8465	4-1/4		
8550	4-		
8621	4-1/4		
8729	4-		
9025	3-1/4		

DRILL STEM TESTS

- D.S.T. #1 - From 6870' to 6925' - 4 hour Test - Opened tool w/weak blow of air which continued thru out test. No fluid to surface. Recovered 810' Oil and gas cut drlg mud. (Est. 1% Oil)
- D.S.T. #2 - From 7132' to 7357' - 4 hour Test - Opened tool with fair blow of air. No gas or fluid to surface. Recovered 140' Drlg. Mud. No show of gas, oil or water.
- D.S.T. #3 - From 7357' to 7550' - 4 hours Test - Opened tool with light blow of air. No gas or fluid to surface. Recovered 90' Drlg. Mud w/slight gas odor.
- D.S.T. #4 - From 7550' to 7700' - 4 hour Test - Opened tool with good blow of air. Gas up in 10 min. No fluid to surface. Gas Vol. 5,110 cu ft p/d. Recovered 1001' clean oil, 546' heavily oil & gas cut Drlg. Mud, 2093' clean oil and 32' Oil & gas cut drlg. mud. No water.
- D.S.T. #5 - From 7722' to 7760' - 4 hour Test - Opened tool with fair blow of air. Gas up in 2 hours and 20 minutes. No fluid to surface. Recovered 132' oil & gas cut drlg mud, 4999' salt water. Had show of oil & gas -
- D.S.T. #6 - From 8985' to 9179' - 5 hour & 25 minutes Test - Opened tool, gas up in 5 min. Vol. too small to measure. Halliburton Control Head stomped up. Re-set Pkr and opened tool Oil to surface in 10 minutes. Flowed 101 bbl oil, .2% B.S. 0-Water in 1 hour & 25 minutes. Gas Vol. 1,008,000 cu ft p/d. GOR 623. Qty 41.6 Bled down 20 bbl oil and reverser out approx 20 bbl oil. Recovered 270' Oil and gas cut Drlg. Mud.