

B-33-E

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

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

AREA 640 ACRES
LOCATE WELL CORRECTLY

Amerada Petroleum Corporation - Monument, New Mexico

State BT-07

Well No. 2

Company or Operator

Lease

C/SE/4 SE/4

Sec. 27

T. 12-S

R. 33-E

N. M. P. M. Hightower-Pennsylvania

Lea

County.

Well is 4620 feet south of the North line and 660 feet west of the East line of Section 27

If State land the oil and gas lease is No. B-9504 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 1/23/52 19 Drilling was completed 3/23/52 19

Name of drilling contractor Noble Drilling Corporation Address Stanolind Bldg., Tulsa, Okla.

Elevation above sea level at top of casing 4243 feet.

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

OIL SANDS OR ZONES

No. 1, from 8740' to 8772' 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	TO	PURPOSE
13-3/8	36#	S.J.	Weld	280'	Guide				
8-5/8	24#-32#	8-RT	Smls	3805	Float				
5-1/2	15.5#-17#	8-RT	Smls	8841	Float		8740'	8772'	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
17-1/2	13-3/8	298'	225	Halliburton		
11	8-5/8	3818	1500	Halliburton		
7-7/8	5-1/2	8850	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
		Dowell 15% LST	500-Gal	3/29/52	8740'-8772'	

Results of shooting or chemical treatment Flowed 129.71 bbl oil, .46 bbl B.S. & .14 bbl water in 13-1/2 hours on 1/4" choke TP 390#. Gas Vol. 133,990 cu ft p/d GOR 580 Qty 43.3 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 9344' feet, and from feet to feet.

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

PRODUCTION

Put to producing March 28, 1952 19

The production of the first 24 hours was 231.72 barrels of fluid of which 99.53 % was oil; - %

emulsion; .10 % water; and .37 % sediment. Gravity, Be 43.3

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

C.T. Huffman Driller J.O. Bailey Driller

Irvin Manning 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 5th

Monument, New Mexico April 5, 1952

day of April 19 52

Name DW L. J. J.

Position Assistant District Superintendent

Representing Amerada Petroleum Corporation Company or Operator.

My Commission expires 8/23/55

Address Drawer D, Monument, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	6	6	Cellar
6	300	294	Caliche and Sand
300	1600	1300	Red Bed
1600	1650	50	Sahel and Sand
1650	1720	70	Shale, Sand, Dolomite and Anhydrite
1720	2440	720	Shale, Anhydrite and Salt
2440	2800	360	Shale, Anhydrite and Sand
2800	3160	360	Shale, Anhydrite and Salt.
3160	3750	590	Shale, Anhydrite, Salt and Sand
3750	4510	760	Dolomite and Anhydrite
4510	4940	430	Limestone
4940	5130	190	Dolomite and Anhydrite
5130	5430	300	Dolomite, Anhydrite and Limestone
5430	7240	1810	Dolomite, Shale, Sand and Anhydrite
7240	7290	50	Shale, Dolomite and Anhydrite
7290	8220	930	Shale, Dolomite and Anhydrite
8220	8480	260	Dolomite and Anhydrite
8480	8590	110	Chert, Dolomite and Anhydrite
8590	8750	160	Dolomite, Chert and Limestone
8750	8795	45	Dolomite and Chert
8795	9344	549	Limestone, W/trace of Dolomite and trace of Shale
	9344		Total Depth -

SLOPE TESTS

185'	-1/2 deg.
730	-3/4
1090	-3/4
1930	-3/4
2340	-3/4
2660	-1/2
2925	1-
3235	1-
3657	-3/4
3980	-1/2
4575	-3/4
4978	-1/2
5533	-1/2
5705	1-1/4
6266	1-
6730	-3/4
7040	-1/2
7350	-3/4
7685	-1/4
7931	1-
8210	-3/4
8589	-3/4
9250	-3/4

GEOLOGICAL DATA

Top Anhydrite	1655'
Top Salt	1717
Base Salt	2390
Top Yates	2477
Base Yates	2600
Top Artimia Red Sand	3188
Top San Andres	3787
Base San Andres	5173
Top Paddeck	5467
Top Clearfork	5944
Top Abo	7288
Top Wolfcamp	8463
Top Pennsylvanian	8706

DRILL STEM TESTS

- D.S.T. #1 - From 8533' to 8746' - 4 hour Test - Opened tool W/strong blow of air - Gas up in 35 minutes. Gas Vol. 5,110 cu ft p/d No fluid to surface. Recovered 720' heavily gas cut drlg mud. No oil or water.
- D.S.T. #2 - From 8470' to 8780' - 6 hour & 17 minute Test - Opened tool with good blow of air. Gas up in 4 minutes. Gas Vol. 150,880 cu ft p/d which increased to 258,750 cu ft p/d Mud up in 2 hours and 12 minutes. Oil up in 2 hours and 17 minutes. Floored 30.30 bbl oil, .2% B.S. O-Water in 4 hours. Gty 43.9 @ 52 degrees. Reversed out 8 bbl oil. Recovered 270' drlg. mud. below circ sub. No free oil or water.
- D.S.T. #3 - From 8780' to 8805' - 1 hour and 25 minute Test - Opened tool with few bubbles. Closed & re-opened tool W/few bubbles. Closed and re-opened tool W/no bubbles. Recovered 34' drlg mud. No shows of oil or gas.
- D.S.T. #4 - From 8920' to 8964' - 1 hour & 35 minute test- Opened tool with strong blow of air which gradually decreased & died. Recovered 7164' salt water - No show of oil or gas.
- D.S.T. #5 - From 9110' to 9160' - 4 hour test - Opened tool with good blow of air. Gas up in 50 minutes. Volume too small to measure. No fluid to surface. Recovered 210' gas cut drlg mud. 810' salt water. No show of oil.