

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 "NM"

Well No. 3 in NE 1/4, NW 1/4, SE 1/4 of Sec. 1, T. 20-S

R. 36-E, N. M. P. M., Monument-Elisbry Field, Lea County.

Well is 3107 feet south of the North line and 1787 feet west of the East line of Section 1

If State land the oil and gas lease is No. B-1386 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, Oklahoma

Drilling commenced 11/22/51 19 Drilling was completed 12/31/51 19

Name of drilling contractor Two States Drilling Company Address Kirby Bldg., Dallas, Texas

Elevation above sea level at top of casing 3562 feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 5674' to 5727' No. 4, from to

No. 2, from 3760 to 4000 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
16"	45#	S.J.	Weld.	240'	Guide			
10-3/4	40.5#	8-RT	Sals	2299	Float			
7	23#	8-RT	Sals	5705	Float		5676' 5715'	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
19-1/2	16	245'	200	Halliburton		
13-3/4	10-3/4	2302	1500	Halliburton		
9-7/8	7	5717	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	1/7/52	5676'-5715'	
		"	2000 Gal	1/8/52	" "	
		"	1000 Gal	1/12/52	" "	

Results of shooting or chemical treatment Flowed 107.67 bbl oil, 0-B.S., 0-Water in 24 hours on 14/64" Choke. T.P. 150# CP 800# (Packer) Gas Vol. 62,400 cu ft p/d. GOR 570 Gty 39.8

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 5727' feet, and from feet to feet.

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

PRODUCTION

Put to producing January 16, 1952 19

The production of the first 24 hours was 107.67 barrels of fluid of which 100 % was oil; 0 %

emulsion; 0 % water; and 0 % sediment. Gravity, Be 39.8

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. O. Moon Driller L. B. Roberts Driller

Bill Clark 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 23rd

Monument, New Mexico

January 23, 1952

day of January 19 52

Name Dr. Toppa

Position Assistant District Superintendent

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	6	6	Cellar
6	120	114	Sand and Caliche
120	204	84	Sand and Red Bed.
204	230	26	Red Bed.
230	418	188	Red Bed and Shells
418	659	241	Red Bed, Red Rocks and Shells
659	812	153	Red Rock
812	900	88	Red Rock and Shale.
900	920	20	Red Rock and Lime
920	1024	104	Red Rock and Anhydrite
1024	1182	158	Red Rock and Anhydrite
1182	1340	158	Berken Anhydrite
1340	1410	70	Red Rock, Anhydrite and Shells
1410	1430	20	Potash and Anhydrite
1430	1526	98	Potash and Salt
1526	1530	2	" " "
1530	1540	10	Potash, Red Rock and Salt
1540	1627	87	Anhydrite, Salt and Shale
1627	1788	161	Salt and Anhydrite
1788	1935	147	Salt and Anhydrite and Shells
1935	2050	115	Anhydrite and Potash
2050	2063	13	Anhydrite and Potash
2063	2240	177	Salt
2240	2409	209	Anhydrite
2409	2542	133	Sand and Anhydrite
2542	2860	318	Dolomite and Anhydrite
2860	3105	245	Sand, Shale, Dolomite and Anhydrite
3105	3130	25	Sand
3130	3254	124	Dolomite and Anhydrite
3254	3310	56	Sand
3310	3364	54	Dolomite
3364	3390	26	Sand
3390	3760	370	Sand and Dolomite
3760	5150	1390	Dolomite
5150	5210	60	Sand and Dolomite
5210	5590	380	Dolomite
5590	5605	15	Sand and Dolomite
5605	5640	35	Dolomite
5640	5668	28	Sand
5668	5727	59	Dolomite
	5727		Total Depth -

SLOPE TESTS

200'	1-1/4 deg.
840	-3/4
1800	1-
2129	2-
2210	2-1/4
2430	2-
2702	1-1/4
2940	1-1/4
3175	-3/4
3300	1-
3520	1-1/4
3910	2-
4390	2-1/2
4630	2-
5000	1-3/4
5500	2-3/4
5660	3-

GEOLOGICAL DATA

Top Yates	2410'
Top Monument Lime-	
stone	2542
Top Stewart	3254
Top Penrose	3364
Top Grayburg	3388
Top San Andres	3760
Base San Andres	5150
Top San Angelo	5590
Top Clearfork	5698

DRILL STEM TESTS

- D.S.T. #1 - from 2515' to 2740' - 4 hour Test - Opened tool with good blow of air. Gas to surface in 3 minutes and continued throughout test. Gas Vol. 33,780 cu ft p/d Recovered 810' heavily gas cut mud. No oil or water.
- D.S.T. #2 - from 3055' to 3220' - 4 hour Test - Opened tool with gas to surface in 3 min. Gas Vol. 4,257,000 cu ft per day. No fluid to surface. Recovered 2' slightly oil cut drlg mud. No water.
- D.S.T. #3 - 3220' to 3393' - 4 hour Test - Opened tool with gas to surface in 3 minutes. Mud up in 13 minutes. Gas Vol. 2,250,000 cu ft p/d No fluid to surface. Recovered 5' black sulphur water.
- D.S.T. #4 - from 3474' to 3620' - 4 hour Test - Opened tool with good blow of air. Gas up in 4 minutes. Mud up in 1 hour. Gas Vol. 811,000 cu ft p/d which decreased to 546,000 cu ft p/d by end of test. Recovered 400' gas cut mud. No oil or water.
- D.S.T. #5 - from 5207' to 5235' - 1-1/2 hour Test - Opened tool with light blow of air for 30 minutes and died. Closed & re-opened tool with few bubbles. Recovered 150' clean drlg mud. No oil, gas or water.
- D.S.T. #6 - from 5600' to 5660' - 2 hour Test - Opened tool with light blow of air for 10 minutes and died. Closed and re-opened tool with no blow - Recovered 60' drlg mud with trace of odor of oil. No water.
- D.S.T. #7 - from 5667' to 5717' - 8-3/4 hour Test - Opened tool with good blow of air. Gas up in 10 minutes. Gas Vol. 63,000 cu ft p/d which decreased to faint blow by end of test. Well flowed 15.52 mm bl in 4 hours. Qty 38.9 Recovered 240' drlg mud with trace of odor of oil. -