

Santa Fe, New Mexico

WELL RECORD

AREA 640 ACRES
LOCATE WELL CORRECTLY

Amerada Petroleum Corporation
(Company or Operator)

State SH*A*
(Lease

Well No. 1, in Q/SR 1/4 of NW 1/4, of Sec. 27, T. 13-S, R. 33-E, NMPM.

_____ Pool, _____ Lea _____ County.

Well is 1980 feet from North line and 1980 feet from West line.

of Section 27 If State Land the Oil and Gas Lease No. is E-1864

Drilling Commenced 10/19/52, 19..... Drilling was Completed 12/12/52 -, 19.....

Name of Drilling Contractor.....**Moble Drilling Corporation**.....

Address..... **321 Stanolind Bldg., Tulsa, Oklahoma**

Elevation above sea level at Top of Tubing Head.....**4231**..... The information given is to be kept confidential until
..... 19.....

No. 1, from 9606 to 9636 No. 4, from _____ to _____

No. 2, from 9658 to 9698 No. 5, from _____ to _____

No. 3, from.....to..... No. 6, from.....to.....

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. 3. from _____ to _____ feet. _____

No. 4. from _____ to _____ feet. _____

| SIZE | WEIGHT PER FOOT | NEW OR USED | AMOUNT | KIND OF SHOE | CUT AND PULLED FROM | PERFORATIONS | PURPOSE |
|--------|-----------------|-------------|--------|--------------|---------------------|---------------|------------|
| 13-3/8 | 36# | New | 280 | Guide | | | |
| 8-5/8 | 24 & 32# | New | 3983 | Guide | | | |
| 5-1/2 | 15.5 & 17 | New | 9715 | Float - | | 9606' to 9636 | |
| | | | | | | 9658' to 9688 | Production |

| 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 | 299 | 225 | Halliburton | | |
| 11 | 8-5/8 | 4000 | 1500 | Halliburton | | |
| 7-7/8 | 5-1/2 | 9730 | 600 | Halliburton - | | |

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Acidized above 5½" eng. perforations with 500 Gal. 15% LST Acid - Flowed 121.07 bbl oil,
.25 Bbl B.S & G-Water in 10 hours on 1/4" Choke. Tbg. 750#. Gas Vol., 282,000 cu ft p/d
GOR 970 Gty. 43.6 corrected -

Result of Production Stimulation.

...Depth Cleaned Out.

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 9775 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing 12/19/52 - , 19.

OIL WELL: The production during the first 24 hours was 290.89 barrels of liquid of which 99.91 % was
was oil; % was emulsion; % water; and .09 % was sediment. A.P.I.
Gravity 43.6 Corrected

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of
liquid Hydrocarbon. Shut in Pressure lbs.

Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico

Northwestern New Mexico

| | | |
|--|----------------|-----------------------|
| T. Anhy. 1690 | T. Devonian | T. Ojo Alamo |
| T. Salt 1735 | T. Silurian | T. Kirtland-Fruitland |
| B. Salt 2458 | T. Montoya | T. Farmington |
| T. Yates 2557 | T. Simpson | T. Pictured Cliffs |
| T. 7 Rivers | T. McKee | T. Menefee |
| T. Queen | T. Ellenburger | T. Point Lookout |
| T. Grayburg | T. Gr. Wash | T. Mancos |
| T. San Andres 3958 | T. Granite | T. Dakota |
| T. Chert Paddock - 5738 | T. | T. Morrison |
| T. Granite Clearfork - 6203 | T. | T. Penn |
| T. Tubbs 6842 | T. | |
| T. Abo 7591 | T. | |
| T. Wolfcamp Wolfcamp - 9003 | T. | |
| T. Penn. Penn. - 9132 | T. | |

FORMATION RECORD

| From | To | Thickness in Feet | Formation | From | To | Thickness in Feet | Formation |
|------|------|----------------------|--|------|----|----------------------|-----------|
| 0 | 600 | 600 | Shale and Sand | | | | |
| 600 | 1100 | 500 | Shale | | | | |
| 1100 | 1690 | 590 | Sand & Shale | | | | |
| 1690 | 1735 | 45 | Anhydrite, Shale & Sand | | | | |
| 1735 | 2150 | 415 | Salt & Anhydrite - | | | | |
| 2150 | 2557 | 407 | Salt, Anhydrite and Shale | | | | |
| 2557 | 3975 | 1418 | Anhyd., Sand & Salt Stringers | | | | |
| 3975 | 4900 | 925 | Dolo., W/Anhydrite Stringers- | | | | |
| 4900 | 5418 | 518 | Limestone | | | | |
| 5418 | 6300 | 882 | Dolomite, Anhyd, Sand & Chert | | | | |
| 6300 | 6840 | 540 | Dolomite and Anhydrite | | | | |
| 6840 | 7120 | 280 | Sand, Shale, Dolo. & Anhyd. | | | | |
| 7120 | 7590 | 470 | Dolomite and Anhydrite - | | | | |
| 7590 | 8290 | 700 | Shale, Dolo & Anhydrite | | | | |
| 8290 | 9000 | 710 | Dolomite, Anhyd & Shale | | | | |
| 9000 | 9075 | 75 | Dolomite & Chert | | | | |
| 9075 | 9330 | 255 | Lime, Chert, Shale W/Dolomite Strin gers | | | | |
| 9330 | 9775 | 445 | Lime & Shale | | | | |
| | 9775 | | Total Depth | | | | |
| | 9700 | | Plugged Back Depth - | | | | |

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

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.

December 31, 1952

(Date)

Company or Operator Amerada Petroleum Corporation

Address Drawer D, Monument, New Mexico

Name Dr. T. J. [Signature]

Position or Title Assistant District Superintendent

J FIELD:

ate SH"A" Well #1 -

DRILL STEM TESTS

D.S.T. #1 - From 9470' to 9625' - Packers failed - No Test.

D.S.T. #2 - From 9440' to 9625' - 4 hour & 35 min. Test. Opened tool W/strong blow of air - Gas up in 7½ minutes; mud up in 30 min. and oil up in 35 minutes. Flowed 169.66 bbl oil & .08 bbl BS O-Water in 4 hours - Gas Vol. 1,640,000 cu ft p/d Gty 43.7 corrected. Bled down 15.57 bbl oil Recovered 800' free oil, 600' oil& gas cut mud, (est 75% oil).

D.S.T. #3 - From 9653' to 9695' - 1 hour test. Opened tool W/good blow of air for 5 seconds and died. Closed & re-opened tool 7 times during test - no blow Recovered 30' mud.

D.S.T. #4 - From 9625' to 9775' - 1 hour 7 20 minute test. Opened tool W/weak blow of air for 15 minutes and died. Closed tool & re-opened with no blow - Recovered 30' mud - No shows of oil, gas or water.

SLOPE TESTS

| | | | |
|------|-----------|-------|----------|
| 300' | -3/4 deg. | 7192' | -3/4 deg |
| 917 | -3/4 | 7595 | -3/4 |
| 1650 | -3/4 | 8185 | -1/4 |
| 2050 | -1/2 | 8653 | 1- |
| 2470 | 2-1/2 | 8900 | 1-3/4 |
| 2775 | 1-3/4 | 9250 | 1- |
| 3282 | 1-1/2 | 9500 | -3/4 |
| 3819 | 1- | 9770 | -3/4 |
| 4300 | -3/4 | | |
| 4790 | -3/4 | | |
| 5105 | 1- | | |
| 5760 | -3/4 | | |
| 6000 | -3/4 | | |
| 6509 | -1/2 | | |

