

AREA 640 ACRES  
LOCATE WELL CORRECTLY

## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.

Pan American Petroleum Corporation

(Company or Operator)

State "AU"

(Lease)

Well No. 1, in NE  $\frac{1}{4}$  of SW  $\frac{1}{4}$ , of Sec. 2, T. 18 S, R. 27 E, NMPM.Eldridge Abo Pool, Eddy County.Well is 1980 feet from South line and 1830 feet from West lineof Section 2. If State Land the Oil and Gas Lease No. is B-8814.Drilling Commenced November 23, 1958 Drilling was Completed January 21, 1959.Name of Drilling Contractor Lee Drilling CompanyAddress 1007 Philhower Building, Tulsa, OklahomaElevation above sea level at Top of Tubing Head 3543 RDB. The information given is to be kept confidential untilNOT CONFIDENTIAL, 19    .

## OIL SANDS OR ZONES

No. 1, from 5540 to 5555 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 | NEW OR USED | AMOUNT | KIND OF SHOE | CUT AND PULLED FROM | PERFORATIONS                    | PURPOSE    |
|-------|-----------------|-------------|--------|--------------|---------------------|---------------------------------|------------|
| 8-5/8 | 24              | New         | 984    | Float        |                     |                                 | Surface    |
| 5-1/2 | 14              | New         | 6193   | Float        |                     | 5540-5555 w/4<br>shots per foot | Oil String |
|       |                 |             |        |              |                     |                                 |            |

## MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
| 12-1/4       | 8-5/8          | 987       | 775                 | HOWCO       |             |                    |
| 7-7/8        | 5-1/2          | 6176      | 175                 | HOWCO       |             |                    |
|              |                |           |                     |             |             |                    |

## RECORD OF PRODUCTION AND STIMULATION

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

See Attachment

DST #1: 6645' - 6613' Tool open 6 hrs., very weak blow of air to surface immediately, increasing slightly for 2 hrs., then decreasing until tool closed. Recovered 1020' sulphur water, no shows oil or gas. 30 min. ISIP 2470#, 60 min. PSIP 2350#, IFP 105, FFP 490

Result of Production Stimulation     Depth Cleaned Out

F    ORD OF DRILL-STEM AND SPECIAL TES

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 Surface feet to 6676 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

PRODUCTION

Put to Producing January 21, 1959

OIL WELL: The production during the first 24 hours was 75.80 and no water barrels of liquid of which \_\_\_\_\_ was oil; \_\_\_\_\_ % was emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % was sediment. A.P.I. Gravity 42°

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.      | T. Devonian    | T. Ojo Alamo          |
| T. Salt       | T. Silurian    | T. Kirtland-Fruitland |
| B. Salt       | T. Montoya     | T. Farmington         |
| T. Yates      | 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 | T. Granite     | T. Dakota             |
| T. Glorieta   | T.             | T. Morrison           |
| T. Drinkard   | T.             | T. Penn.              |
| T. Tubbs      | T.             | T.                    |
| T. Abo        | T.             | T.                    |
| T. Penn       | T.             | T.                    |
| T. Miss       | T.             | T.                    |

FORMATION RECORD

| From | To   | Thickness in Feet | Formation           | From | To | Thickness in Feet | Formation |
|------|------|-------------------|---------------------|------|----|-------------------|-----------|
| 0    | 319  | 319               | Red Bed, Anhy., Gyp |      |    |                   |           |
| 319  | 989  | 670               | Anhy., Gyp          |      |    |                   |           |
| 989  | 1477 | 488               | Anhy.               |      |    |                   |           |
| 1477 | 1856 | 379               | Anhy. Lime          |      |    |                   |           |
| 1856 | 2002 | 146               | Anhy.               |      |    |                   |           |
| 2002 | 2901 | 899               | Anhy., Lime         |      |    |                   |           |
| 2901 | 2990 | 89                | Lime                |      |    |                   |           |
| 2990 | 3175 | 185               | Anhy., Lime         |      |    |                   |           |
| 3175 | 3768 | 593               | Lime                |      |    |                   |           |
| 3768 | 3817 | 49                | Lime and Sand       |      |    |                   |           |
| 3817 | 4772 | 955               | Lime                |      |    |                   |           |
| 4772 | 4809 | 37                | Lime and Sand       |      |    |                   |           |
| 4809 | 5908 | 1099              | Lime                |      |    |                   |           |
| 5908 | 6028 | 120               | Dolomite            |      |    |                   |           |
| 6028 | 6187 | 159               | Lime                |      |    |                   |           |
| 6187 | 6226 | 39                | Lime and Dolomite   |      |    |                   |           |
| 6226 | 6270 | 44                | Dolomite            |      |    |                   |           |
| 6270 | 6332 | 62                | Lime, Shale         |      |    |                   |           |
| 6332 | 6400 | 68                | Lime                |      |    |                   |           |
| 6400 | 6449 | 49                | Dolomite            |      |    |                   |           |
| 6448 | 6540 | 91                | Lime                |      |    |                   |           |
| 6540 | 6553 | 13                | Dolomite            |      |    |                   |           |
| 6553 | 6613 | 60                | Lime and Dolomite   |      |    |                   |           |
| 6613 | 6629 | 16                | Dolomite            |      |    |                   |           |
| 6629 | 6676 | 47                | Lime and Dolomite   |      |    |                   |           |

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.

Original Signed by  
J. W. BROWN

2/2/59  
(Date)

Company or Operator Pan American Petr. Corporation Address Box 68 - Hobbs, New Mexico

Name J. W. Brown Position or Title Field Superintendent

STATE "AU" #1

The well was drilled to a TD of 6676' and encountering no production, was plugged back to 6176' with 160 sacks slo-set cement. Perforated 5410' - 5436' with 4 shots per foot and acidized with 2,500 gallons acid and tested. No production obtained. Squeezed perforations 5410' - 5436' with 100 sacks slo-set cement. Drilled plug to 6090' and perforated 5420' - 5470' with 2 shots per foot, and acidized perforations with 1,000 gallons acid and tested, no production obtained. Set retainer at 5300' and squeezed perforations 5420' - 5470' with 100 sacks slo-set cement. Drilled plug to 5475' and washed to 6090'. Perforated 5540' - 5555' with 2 shots per foot and acidized with 5,500 gallons acid and tested. On test well flowed 75 BO, no water, 53.7 MCF gas in 24 hours.

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