

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. If State Land submit 6 Copies

**AREA 640 ACRES
LOCATE WELL CORRECTLY**

Pan American Petroleum Corporation

Carbon Gas Unit

(Company or Operator)

(Leave)

Well No. 1, in NE $\frac{1}{4}$ of SW $\frac{1}{4}$, of Sec. 32, T-30N, R-12W, NMPM.

Basin Dakota Pool, San Juan County.

Well is 1450 feet from West line and 1650 feet from South line

of Section 32..... If State Land the Oil and Gas Lease No. is.....

Drilling Commenced January 31, 19 63 Drilling was Completed February 14, 19 63

Name of Drilling Contractor.....**Brannon & Murray Drilling Company**.....

Address P. O. Box 672, Coleman, Texas

Elevation above sea level at Top of Tubing Head..... 54.18 (RDB)..... The information given is to be kept confidential until

Not Confidential 19

OIL SANDS OR ZONES

No. 1, from 6060' to 6072 (G) 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 | 378 | Guide | | | Surface |
| 4-1/2" | 10.5 | New | 6177 | Guide | | | 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" | 387 | 240 | BJ 1 Plug | | |
| 7-7/8" | 4-1/2" | 6146 | 1250 | HOWCO 2 Stage | | |
| | | | | | | |

RECORD OF PRODUCTION AND STIMULATION

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

Perforated with 4 shots per foot 6060-6072. Sand water fracked these perforations with 42,000 gallons water containing 1% calcium chloride, 7 pounds J-98 per 1000 gallons and 40,000 pounds of sand. Pressures were: Breakdown 1900 psi, Average treating 3100 psi, Average injection rate 36.5 barrels per minute.

Result of Production Stimulation..... Well tested 3400 MCF per day.

..Depth Cleaned Out.....6110'

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 6146 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Completed as Shut in Gas Well

Put to Producing March 6, 1963

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

GAS WELL: The production during the first 24 hours was 3400 M.C.F. plus 0 barrels of
liquid Hydrocarbon. Shut in Pressure 1970 lbs. (TPC)

Length of Time Shut in 46 hours

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 1472 |
| T. 7 Rivers | T. McKee | T. Menefee |
| T. Queen | T. Ellenburger | T. Point Lookout |
| T. Grayburg | T. Gr. Wash | T. Mancos 4210 |
| T. San Andres | T. Granite | T. Dakota 5978 |
| 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 | 387 | 387 | Surface casing seat | | | | |
| 387 | 1472 | 1085 | Kirtland-Fruitland | | | | |
| 1472 | 1640 | 168 | Pictured Cliffs | | | | |
| 1640 | 2580 | 940 | Lewis Shale | | | | |
| 2580 | 4210 | 1630 | Mesaverde Sand Shale | | | | |
| 4210 | 5125 | 915 | Mancos Shale | | | | |
| 5125 | 5460 | 335 | Gallup Sand and Shale | | | | |
| 5460 | 5870 | 410 | Mancos Shale | | | | |
| 5870 | 5928 | 58 | Greenhorn Shale | | | | |
| 5928 | 5978 | 50 | Graneros Shale | | | | |
| 5978 | 6060 | 82 | Dakota Sand and Shale | | | | |
| 6060 | 6072 | 12 | Dakota Pay Sand | | | | |
| 6072 | 6146 | 74 | Dakota Sand and Shale | | | | |

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.

Farmington, New Mexico March 7, 1963
(Date)

Company or Operator Pan American Petroleum Corporation Address P. O. Box 480, Farmington, New Mexico
Name J. J. Bessworth Position or Title Petroleum Engineer