

Santa Fe, New Mexico

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WELL RECORD

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 8 rows of squares. There are no markings or text on the page.

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
(Company or Operator)

Well No. 1, in NW $\frac{1}{4}$ of SW $\frac{1}{4}$, of Sec. 24, T. 29N, R. 10W, NMPM.
Basin Dakota Pool, San Juan County.

Well is 1190 feet from West line and 1665 feet from South line
of Section 24. If State Land the Oil and Gas Lease No. is _____

Drilling Commenced.....August 6,....., 1964..... Drilling was Completed.....August 18,....., 1964.....

Name of Drilling Contractor.....**Brinkerhoff Drilling Company**.....

Address.....870 Denver Club Building, Denver, Colorado.....

Elevation above sea level at Top of Tubing Head..... The information given is to be kept confidential until
~~Not Confidential~~....., 19.....

OIL SANDS OR ZONES

No. 1, from 6320 to 6380 (gas) No. 4, from _____ to _____
No. 2, from 6380 to 6410 (gas) 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 |
|--------|-----------------|-------------|--------|--------------|---------------------|--------------|------------|
| 9-5/8" | 40# | New | 351 | Guide | | | Surface |
| 4-1/2" | 10.5# | New | 6584 | 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 | 9-5/8 | 360 | 220 | Halliburton 1 Plug | | |
| 8-3/4 & 7-7/8 | 4-1/2 | 6551.30 | 1400 | Halliburton 3 Stage | | |

RECEIVED

16/1964

RECORD OF PRODUCTION AND STIMULATION

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

Perforated 6400-6410 and 6381-6392 with 3 shots per foot. Fracked these perforations with 39,438 gallons water containing 1% calcium chloride and 7 lbs J-2 per 1000 gallons and 30,000 lbs 20-40 sand and 10,000 lbs 10-20 sand. Breakdown pressure 1000 psi, treating pressure 3150, average injection rate 42.7. Perforated 6320-30 with 4 shots per foot. Fractured these perforations with 22,092 gallons of water containing 1% calcium chloride and 7 lbs J-2 per 1000 gallons and 15,000 lbs 20-40 sand. Sand off with 13,000 lbs in formation. Breakdown pressure 3200, treating pressure 3500, average injection rate 29.2 BPM.

2-3/8" tubing landed at 6340 and well completed as Basin Dakota Field Well September 3, 1964. Preliminary test 4800 MCFD. Depth Cleaned Out 6481



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 6550 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

Completed & Shut In PRODUCTION

Put to Producing September 3, 1964

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

GAS WELL: The production during the first 24 hours was 4800 M.C.F. plus None barrels of liquid Hydrocarbon. Shut in Pressure 2075 lbs.
Length of Time Shut in 19-1/2 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 | |
| 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 | 1800 | 1800 | Surface sand and shale | | | | |
| 1800 | 2020 | 220 | Pictured Cliffs | | | | |
| 2020 | 3605 | 1585 | Lewis Shale | | | | |
| 3605 | 4245 | 640 | Mesaverde | | | | |
| 4245 | 5446 | 1201 | Mancos | | | | |
| 5446 | 5790 | 344 | Gallup | | | | |
| 5790 | 6190 | 400 | Base Gallup | | | | |
| 6190 | 6254 | 64 | Greenhorn | | | | |
| 6254 | 6320 | 66 | Graneros Shale | | | | |
| 6320 | 6380 | 60 | Graneros Dakota | | | | |
| 6380 | 6550 | 170 | Main Dakota | | | | |

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 September 14, 1964
Company or Operator. PAN AMERICAN PETROLEUM CORP. Address. P. O. Box 480, Farmington, New Mexico
Name. Fred L. Nabors, District Engineer ORIGINAL SIGNED BY Position or Title.