

Santa Fe, New Mexico

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

Pan American Petroleum Corporation
(Company or Operator)

..Keys Gas Unit..NC!!
(Lenn)

Well No. 1, in SE $\frac{1}{4}$ of SW $\frac{1}{4}$, of Sec. 29, T. 29N, R. 10W, NMPM.

Aztec Fruitland & Aztec Pictured Cliffs Pool, San Juan County.

Well is 990 feet from South line and 1650 feet from West line

of Section 29..... If State Land the Oil and Gas Lease No. is.....

[illegible]

Name of Drilling Contractor.....Signal Oil Well Service, Inc......

Address..... Box 1556, Farmington, New Mexico.....

Elevation above sea level at Top of Tubing Head.....5562 (RDB)..... The information given is to be kept confidential until
not confidential..... 19.....

No. 1, from 1595 to 1655 G No. 4, from.....to.....

No. 2, from 1802 to 1826 G 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 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 |
|--------|-----------------|-------------|--------|--------------|---------------------|--------------|------------|
| 8-5/8" | 22.7 | New | 206' | Guide | | | Surface |
| 5-1/2" | 14 | New | 1852' | Guide | | | Oil String |

| 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" | 218' | 185 | B. J. Service 1 plug | | |
| 7-7/8" | 5-1/2" | 1855' | 480 | B. J. Service 2 plug | | |

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

Perforated 5-1/2" casing 1595 to 1655 with 2 shots per foot. Sand water fracked with 40,000 gallons water and 40,000 pounds sand. Breakdown pressure 2500 psi, average treating pressure 56 barrels per minute.

Result of Production Stimulation Well dually completed on October 28, 1959. For test see reverse side.

...Depth Cleaned Out..... 1840

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

Recompletion

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

PRODUCTION

Put to Producing **October 28**, 19**59** **Shut in for pipeline connection. Well dually completed on October 28, 1959.**

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 _____

Pictured Cliffs 380

GAS WELL: The production during the first 24 hours was **Fruitland 2002** C.F. plus _____ barrels of
liquid Hydrocarbon. Shut in Pressure ***see below** _____ lbs.

Length of Time Shut in _____

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

Southeastern New Mexico

T. Anhy. _____
T. Salt. _____
B. Salt. _____
T. Yates. _____
T. 7 Rivers. _____
T. Queen. _____
T. Grayburg. _____
T. San Andres. _____
T. Glorieta. _____
T. Drinkard. _____
T. Tubbs. _____
T. Abo. _____
T. Penn. _____
T. Miss. _____

T. Devonian. _____
T. Silurian. _____
T. Montoya. _____
T. Simpson. _____
T. McKee. _____
T. Ellenburger. _____
T. Gr. Wash. _____
T. Granite. _____
T. _____
T. _____
T. _____
T. _____

Northwestern New Mexico

T. Ojo Alamo. **625**
T. Kirtland-Fruitland. **757**
T. Farmington. **1522**
T. Pictured Cliffs. **1798**
T. Menefee. _____
T. Point Lookout. _____
T. Mancos. _____
T. Dakota. _____
T. Morrison. _____
T. Penn. _____
T. _____
T. _____

FORMATION RECORD

OIL CONSERVATION COMMISSION ASTEC DISTRICT OFFICE

| From | To | Thickness in Feet | Formation | From | To | Thickness in Feet | Formation |
|------|------|----------------------|---------------------------------------|------|----|----------------------|-----------|
| 0 | 625 | 625 | Surface sand, shale and Animas shale. | | | | |
| 625 | 757 | 132 | Ojo Alamo sandstone. | | | | |
| 757 | 1522 | 765 | Kirtland-Farmington sand & shale. | | | | |
| 1522 | 1798 | 275 | Fruitland sands, shales & coals. | | | | |
| 1798 | 1856 | 60 | Pictured Cliffs sandstone. | | | | |

*Completed as shut in gas well Astec Fruitland and Astec Pictured Cliffs dual completion on October 28, 1959. Shut in 7 days with Fruitland shut in casing pressure 583 psi and Pictured Cliffs shut in tubing pressure 537 psi. Pictured Cliffs test October 23, 1959 380 MCPPD after 3 hours with 3/4" choke. Fruitland shut in casing pressure at start of test 583 psi and end of test 583 psi indicating packer holding. Fruitland test October 28, 1959 2002 MCPPD after 3 hours with 3/4" choke. Pictured Cliffs shut in tubing pressure at start of test 544 psi and end of test 539 psi indicating packer holding.

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.

Company or Operator **Pan American Petroleum Corporation** November 12, 1959 (Date)
Address **Box 487, Farmington, New Mexico**
Name **R. M. Bauer, Jr.** ORIGINAL SIGNED BY
Position **Area Engineer**