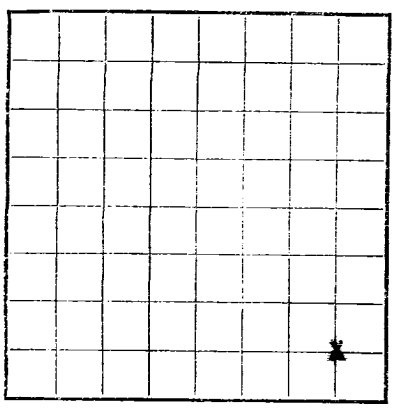
Form 9-330

Budget Bureau No. 42-R356.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Navajo-Ute Tribal
SERIAL NUMBER 14-20-604-1951
LEASE OR PERMIT TO PROSPECT

RECEIVED
MAR 7 1960
U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

# LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Products Co. Address Box 1565, Farmington, New Mexico
Lessor or Tract Horseshoe Ute Field Horseshoe Gallup State New Mexico
Well No. 36 Sec. 27 T. 31N R. 16W Meridian NMPM County San Juan
Location 610 ft. {N./S.} of S Line and 640 ft. {E./W.} of E Line of Section 27 Elevation 5690 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed ORIGINAL SIGNED BY: WILLIAM K. GLAZENER
Date March 4, 1960 Title Petroleum Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling February 11, 1960 Finished drilling February 15, 1960

## OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 1604 to 1633 No. 4, from ____ to ____
No. 2, from ____ to ____ No. 5, from ____ to ____
No. 3, from ____ to ____ No. 6, from ____ to ____

## IMPORTANT WATER SANDS

No. 1, from ____ to ____ No. 3, from ____ to ____
No. 2, from ____ to ____ No. 4, from ____ to ____

## CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated From— | Perforated To— | Purpose |
|---|---|---|---|---|---|---|---|---|---|
| 9-5/8" | [illegible] | [illegible] | [illegible] | 96 | Commercial | | | | Surface |
| 5-1/2" | 15.50# | 8 Rd. | Mex. | 1706 | Commercial | | 1604 | 1633 | Production |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|---|---|---|---|---|
| 9-5/8" | 103 | 125 | Circulated | | |
| 5-1/2" | 1712 | 100 | Single Stage | | |

## PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____
Adapters—Material ____ Size ____

## SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|---|---|---|---|---|---|---|
| | | | See "Well History" | | | |

## TOOLS USED

Rotary tools were used from 0 feet to 1713 feet, and from ____ feet to ____ feet
Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

## DATES

February 18, 1960 Put to producing February 27, 1960

The production for the first 24 hours was 28.05 barrels of fluid of which 100% was oil; ____% emulsion; ____% water; and ____% sediment. Gravity, °Bé. ~~40.8~~ 40.0° API

If gas well, cu. ft. per 24 hours ____ Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. ____

## EMPLOYEES

____, Driller ____, Driller
____, Driller ____, Driller

## FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| 0 | 300 | 300 | Point Lookout Form. Gy., v/fn. silty ss. w/freq. shale breaks. |
| 300 | 1348 | 1048 | Mancos Form. Gy. carb. shale. |
| 1348 | 1713 | 365 | Gallup Form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/occas. inbd. shale. |

TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.

FROM— TO— TOTAL FEET FORMATION

(OVER)



FORMATION RECORD—Continued

FOLD | MARK

## FORMATION RECORD—Continued

| TO— | TOTAL FEET | FORMATION |
|---|---|---|
| | | |

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## HISTORY OF OIL OR GAS WELL

**It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.**

**Sanjoll Fracture**

**2-18-60 SOF perfs. 1604'-1633' with 44,520 gals. oil and 80,000# (10-20) sand. Flush with 2500 gals. oil. Injection Rate: 55.0 bbls./min. Maximum treating pressure 950 psi.; Breakdown pressure 1800 psi.; Average treating pressure 800 psi. Injected 29 rubber balls halfway through treatment, 200 psi. increase.**