Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE SF
SERIAL NUMBER 079367-A
LEASE OR PERMIT TO PROSPECT

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U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

OIL CON DIST

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

X

LOCATE WELL CORRECTLY

# LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico

Lessor or Tract Rincon Unit Field Blanco Mesaverde & Wildcat Dakota State New Mexico

Well No. 126 (MD) Sec. 27 T. 27N R. 6W Meridian N.M.P.M. County Rio Arriba

Location 800 ft. {N/S} of S Line and 1850 ft. {E/W} of W Line of Section 27 Elevation 6635' (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 B.H. MEANS

Date February 17, 1960 Title Petroleum Engineer

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

Commenced drilling September 29, 1959 Finished drilling November 14, 1959

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4870 to 4935 (G) No. 4, from 7510 to 7698 (G)

No. 2, from 4939 to 5424 (G) No. 5, from to

No. 3, from 5424 to 5568 (G) 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 |
|---|---|---|---|---|---|---|---|---|---|
| 13 3/8 | 48 | 8 Rd | S-40 | 307 | Baker | | | | Surface |
| 9 5/8 | 36 | 8 Rd | H-40 & J-55 | 3315 | Baker | | | | Intermediate |
| 7" | 23 | 8 Rd | N-80 & J-55 | 7708 | Baker | | | | Prod. csg. |
| 2 3/8 | 4.7 | 8 Rd | J-55 | 7606 | | | | | Prod. Tbg. |
| 1 1/4 | 2.4 | 8 Rd | J-55 | 5525 | | | | | Prod. Tbg. |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|---|---|---|---|---|
| 13 3/8 | 31 | 230 | Circulated | | |
| 9 5/8 | 3315 | 150 | Single Stage | | |
| 7" | 7708 | 695 | Two Stages | | |

## PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size Baker Model "D" Pkr at 7200'.

## 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 3385 feet, and from Gas Drilled 3385 to 7354 feet

Cable tools were used from feet to feet, and from Mud Circulation 7354 7718 feet

## DATES

December 31, 1959 Put to producing , 19

The production for the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours M-1215,000 D-3,705,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. M-2146 D-1112 EMPLOYEES M-1224 D-4016 MCF/D

San Juan Drilling Co., Driller , Driller

McKinney Drilling Co., Driller , Driller

## FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| 0 | 2521 | 2521 | |
| 2521 | 2661 | 140 | Ojo Alamo |
| 2661 | 2947 | 286 | Kirtland |
| 2947 | 3201 | 254 | Fruitland |
| 3201 | 3306 | 105 | Pictured Cliffs |
| 3306 | 4870 | 1564 | Lewis |
| 4870 | 4935 | 65 | Cliff House |
| 4935 | 5424 | 489 | Menefee |
| 5424 | 5568 | 144 | Point Lookout |
| 5568 | 6399 | 831 | Mancos |
| 6399 | 6965 | 566 | Gallup |
| 6965 | 7034 | 69 | Tocito |
| 7034 | 7325 | 291 | Sanastee |
| 7325 | 7385 | 60 | Greenhorn |
| 7385 | 7510 | 125 | Graneros |
| 7510 | 7698 | 188 | Dakota |
| 7698 | 7718 | 20 | Morrison |

FOLD | MARK



U—43094-4

## FORMATION RECORD—Continued

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

## HISTORY OF OIL OR GAS WELL

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

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.

12-14-59 T.D. 7714'. C.O.T.D. 7670'. Oil frac. Lower Dakota perf. intervals 7542-7550; 7556-7564; 7596-7606; 7616-7626; 7632-7638 (2 SPF) w/58,249 gal oil and 50,000# sand. B.D.P. 3100#, Max. pr. 4200#, avg. tr. pr. 3900#, IR: 34.1 B.P.M. Flush 14,100 gal. Spotted 500 gal MCA before perforating. Dropped 1 set of 12 balls.

12-20-59 C.O.T.D. 7670. Set BP @ 7530'. Treated Graneros intervals (7416-7424) (7436-7442) (7446-7454) (7510-7520) w/2 DJ/ft. with 41,790 gal oil & 30,000# 40/60 sand. Flush 6300 gal. IR: 36.7 BPM, Max 4000, BD 1500, TP 2400-2600-3500-3700-4000. 500 gal MCA ahead of frac. Dropped three sets of 10 balls each for four stages.

12-23-59 Set BP @ 7300'. Perf Point Lookout intervals (5364-76) (5386-96) (5406-18) (5426-36) (5474-86) (5498-5506) w/2 DJ/ft. Treated w/54,500 gal water and 60,000# 20/40 sand. Flush 11,000 gals. IR: 47.8 B.P.M., Max 2300 psi, BD 1600 psi. TP 1250-1500-2200-1750-2300-2000. Dropped two sets of 20 balls and one set of 10 balls for four stages.