3-2641

Form 9-330

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078498
LEASE OR PERMIT TO PROSPECT

APR 18 1957
OIL CON. COM.
DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
APR 17 1957
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

14-08-001-459

LOCATE WELL CORRECTLY

# LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 28-7 Unit Field Blanco State New Mexico
Well No. 77 Sec. 32 T. 28N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 800 ft. {N.} of S. Line and 1460 ft. {E.} of W. Line of Section 32 Elevation 6736
(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 EWELL N. WALSH

Date April 12, 1957 Title Petroleum Engineer

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

Commenced drilling 2-7, 19 57 Finished drilling 3-2, 19 57

## OIL OR GAS SANDS OR ZONES

*(Denote gas by G)*

No. 1, from 3241 to 3384 (G) No. 4, from 5451 to 5623 (G)
No. 2, from 4945 to 5009 (G) No. 5, from to
No. 3, from 5009 to 5451 (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 |
|---|---|---|---|---|---|---|---|---|---|
| 10-3/4" | 32.75 | P.E. | S.W. | 161' | Baker | | | | Prod. surface |
| 7-5/8" | 26.4 | 8 Rd. | J-55 | 3433' | Baker | | | | Prod. csg. |
| 5-1/2" | 17.5 | 8 Rd. | J-55 | 5636' | Baker | | | | Prod. liner |
| 2" | 4.7 | 8 Rd. | J-55 | 5565' | | | | | Prod. tbg. |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|---|---|---|---|---|
| 10-3/4" | 171' | 150 | circulated | | |
| 7-5/8" | 3444' | 200 | single stage | | |
| 5-1/2" | 3372-5636' | 300 | 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 172 feet to feet, and from 3445 feet to 5640 feet
Cable tools were used from 0 feet to 172 feet, and from feet to feet

Gas Drilled

## DATES

3-17, 19 57 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 A.O.F. 3567 MCF D Gallons gasoline per 1,000 cu. ft. of gas
2,670,000

Rock pressure, lbs. per sq. in. 1010

## EMPLOYEES

, Driller , Driller
, Driller , Driller

## FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| 0 | 2175 | 2175 | Tan to gry cr-grn ss interbedded w/gry sh. |
| 2175 | 2500 | 325 | Ojo Alamo ss. White cr-grn s. |
| 2500 | 2965 | 465 | Kirtland form. Gry sh interbedded w/tight gry fine-grn ss. |
| 2965 | 3241 | 276 | Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss. |
| 3241 | 3384 | 143 | Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss. |
| 3384 | 4945 | 1561 | Lewis formation. Gry to white dense sh w/silty to shaly ss breaks. |
| 4945 | 5009 | 64 | Cliff House ss. Gry, fine-grn, dense sil ss. |
| 5009 | 5451 | 442 | Menefee form. Gry, fine-grn s, carb sh & coal. |
| 5451 | 5623 | 172 | Point Lookout form. Gry, very fine sil ss w/frequent sh breaks. |
| 5623 | 5640 | 17 | Mancos formation. Gry carb sh. |

[OVER]

16—43094-4

CONTINUATION RECORD—Continued

## FORMATION RECORD—Continued

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

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

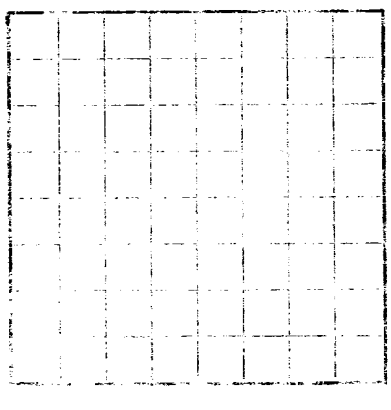
## HISTORY OF OIL OR GAS WELL

**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.**

3-9-57. C.O.T.D. 5610'. Perf. 5536-48; 5562-72; 5579-98. Frac w/58,090 gal. water. I.R. - 68.7 bbls/min. Max. pr. 1850#, B.D. - 1800#, avg. tr. pr. 1600#.

3-9-57. B.P. at 5520'. Perf. 5376-91; 5448-76'. Frac w/54,000 gal. water and 60,000# sand. Flush w/10,000 gal. I.R. - 45 bbls/min. Max. pr. 3000#, B.D. 2250#, avg. tr. pr. 2300#.

LOCATE WELL CORRECTLY



LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES