

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

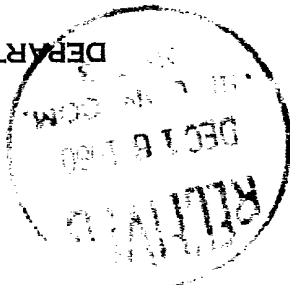
DEPARTMENT OF THE INTERIOR
UNITED STATES

U. S. LAND OFFICE
Santa Fe

Serial Number 979522

LEASE OR PERMIT TO PROSPECT

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



Company El Paso Natural Gas Company
Lessor or Tract San Juan 28-5 Unit
Field Blanco Mesa Verde State New Mexico
Well No. 47-36 Sec. 36 T. 28N R. 35M Meridian N.M.P.M. County Rio Arriba
Location 930 ft. S. of N. Line and 1850 ft. W. of E. Line of Section 36
Elevation 6746
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
Date December 13, 1960 Title Petroleum Engineer

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

Commenced drilling 11-5, 1960 Finished drilling 11-17, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3637 to 3714 (G)
No. 2, from 5320 to 5450 (G)
No. 3, from 5450 to 5722 (G)
No. 4, from 5772 to 5961 (G)

IMPORTANT WATER SANDS

No. 1, from No. 2, from No. 3, from No. 4, from No. 5, from No. 6, from

CASING RECORD

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

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
10 3/4	32.75	8	P.M.	121	Honey			Intermediate
7 5/8	26.4	8	P.M.	385	Baker			Prod. Liner
5 1/2	15.5	8	P.M.	217	Baker			Prod. Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	132	140	Circulated		
7 5/8	3896	110	Single stage		
5 1/2	3837-6014	250	Single stage		

PLUGS AND ADAPTERS

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	132	140	Circulated		
7 5/8	3896	110	Single stage		
5 1/2	3837-6014	250	Single stage		

SHOOTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	132	140	Circulated		
7 5/8	3896	110	Single stage		
5 1/2	3837-6014	250	Single stage		

TOOLS USED

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	132	140	Circulated		
7 5/8	3896	110	Single stage		
5 1/2	3837-6014	250	Single stage		

DATES

Rotary tools were used from 0 feet to 3898 feet, and from 3898 feet to 6015 feet
Cable tools were used from 0 feet to 3898 feet, and from 3898 feet to 6015 feet

11-21, 1960

The production for the first 24 hours was

emulsion; % water; and % sediment.

If gas well, cu. ft. per 24 hours 4,036,000

Rock pressure, lbs. per sq. in. 1106

A.O.F. = 6902 MCF/D

EMPLOYEES

Arapahoe Drilling Co., Driller
Driller

FORMATION RECORD

Driller

FROM	TO	TOTAL FEET	FORMATION
0	3011	3011	tan to grey cr-grn ss interbedded w/gry sh.
3011	3182	171	Ojo Alamo ss. white cr-grn s.
3182	3426	244	Kirtland form. gry sh interbedded w/tight gry fine-grn ss.
3426	3637	211	fruitland form. gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3637	3714	77	varicolored soft ss. pictured clitic form. gry, fine-grn, tight,
3714	5320	1606	Levis formation. gry to white dense sh w/silty to shaly ss breaks.
5320	5450	130	clitic House ss. gry, fine-grn, dense sil ss.
5450	5772	322	Menefee form. gry, fine-grn s, carb sh & coal.
5772	5961	189	Point Lookout form. gry, very fine sil ss
5961	6015	54	Manecos formation. gry carb sh. w/frequent sh breaks.

FOLD MARK

FORMATION RECORD—Continued

[illegible]

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.

Water frac Point Lookout perf. int. 5792-5798; 5804-5810; 5820-5830; 5852-5864; 5860-5888; 5898-5906; 5936-5946 w/70,686 gal. water and 60,000# sand. EDP 1100#, max. pr. 2400#, avg. tr. pr. 1100-1200-1300-1450-1700-2400#. I.R. 65 BFM. Flush 10,080 gal. Dropped 5 sets of 20 balls for 6 stages.