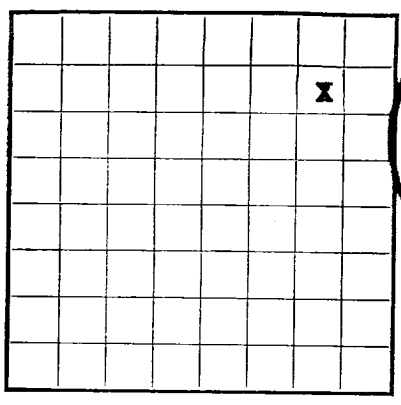
Form 9-330

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079391
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

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OIL CON
DIST

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
Lessor or Tract San Juan 27-5 Unit Field Blanco M.V. & So.Blanco P.C. Ext. State New Mexico
Well No. 49(PM) Sec. 18 T. 27-N R. 5-W Meridian N.M.P.M. County Rio Arriba
Location 1090 ft. [S.] of N Line and 800 ft. [W.] of E Line of Sec. 18 Elevation 6564 (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 R.E. McANALLY

Date November 30, 1960 Title Petroleum Engineer

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

Commenced drilling 10-22-, 1960 Finished drilling 10-31-, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3334 to 3410 (G) No. 4, from 5514 to 5654 (G)
No. 2, from 5006 to 5130 (G) No. 5, from to
No. 3, from 5130 to 5514 (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"	32.60	8 Rd.	S-W	124	Baker				surface
7 5/8"	26.4	8 Rd.	J-55	3537	Baker				prod casing
5 1/2"	15.5	8 Rd.	J-55	2220	Baker				prod liner
2"	4.7	8 Rd.	J-55	5627					prod tubing
1 1/4"	2.4	10 Rd.	J-55	3345					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"	133	160	circulated		
7 5/8"	3549	120	single stage		
5 1/2"	3490-5710	310	single stage & squeeze		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size Guiberson "Shorty" Model Packer @ 3575

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 3550 feet, and from 3550 Gas Drilled 5715 feet
Cable tools were used from feet to feet, and from feet to feet

DATES

11-5, 1960 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 P-1,348,000 M-2,838,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. P-1081 M-1097

A.O.F. P-1361 M-3323 MCF/D

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2655	2655	Tan to gry cr-grn ss interbedded w/gry sh.
2655	2834	179	Ojo Alamo ss. White cr-grn s.
2834	3071	237	Kirtland form Gry sh interbedded w/tight gry fine-grn ss.
3071	3334	263	Fruitland form Grycarb sh, scattered coals, coals and gry, tight, fine-grn ss.
3334	3410	76	Pictured Cliffs form Gry, fine-grn, tight, varicolored soft ss.
3410	5006	1596	Lewis form. Gry, fine-grn, dense sil ss
5006	5130	124	Cliff House ss. Gry, fine-grn, dense sil ss.
5130	5514	384	Menefee form Gry, fine-grn s, carb sh & coal.
5514	5654	140	Point Lookout form. Gry,veryfine sil ss w/ frequent sh breaks.
5654	5715	61	Mancos form. Gry carb sh.

[OVER]

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—42094-2 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.

3312-3324;3334-3342;	**Frac Point Lookout Cliffs w/46,720 gal water & 40,000 # sand. ISIP none, max pr 1400 #, avg tr pr 800-1200 #. IR 68 BPM. Flush 6720 gal. Dropped 2 sets of 8 balls - 3 stages.**
5480-5488;5512-5520; 5536-5548;5550-5556; 5558-5564;5574-5582; 5592-5598;5600-5608;	**Frac Point Lookout w/89,994 gal water & 60,000 # sand. ISIP 2400 #, max pr 2400 #, avg tr pr 700-750-800-1100-1500 #. IR 64 BPM. Flush 9114 gal. Dropped 5 sets of 16 balls - 6 stages.**

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DIST. 3

LOG OF OIL OR GAS WELL

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