

[illegible]

LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 081114
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
 Lessor or Tract San Juan 29-5 Unit Field Blanco Mesa Verde State New Mexico
 Well No. 47-4 Sec. 4 T. 29-N R. 5-W Meridian N.M.P.M. County Rio Arriba
 Location 1735 ft. (N.) of S Line and 950 ft. (E.) of W Line of Sec. 4 Elevation 5453
 (Devil's Bar 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 _____

Date October 31, 1960 Title Petroleum Engineer

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

Commenced drilling 7-18-60, 1960 Finished drilling 8-2-, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3400 to 3495 (G) No. 4, from 5610 to 5730 (G)
No. 2, from 5300 to 5330 (G) No. 5, from to
No. 3, from 5330 to 5610 (G) No. 6, from to

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10" 3/4"	296	350	circulated		
7"	3550	120	single stage		
2 7/8"	5766	350	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 3653 feet, and from 3653 feet to 5768 feet.

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

-----8-23-----, 19-50 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 1,957,000 Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. ----- 1140 ----- A.O.F. 1908 MCF/D

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2500	2500	Tan to gry cr-grn ss interbedded w/gry sh.
2500	2740	240	Ojo Alamo ss. White cr-grn s.
2740	3075	335	Kirtland form Gry sh interbedded w/tight gry fine-grn sss.
3075	3400	325	Fruitland form Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3400	3495	95	Pictured Cliffs forms Gry, fine-grn, tight, varicolored soft ss.
3495	5300	1805	Lewis form. Gry, fine-grn, dense sil ss.
5300	5330	30	Cliff House ss. Gry, fine-grn, dense sil ss.
5330	5610	280	Manefee form. Gry, fine-grn s, carb sh & coal.
5610	5730	120	Point Lookout form. Gry, very fine sil ss w/ frequent sh breaks.
5730	5768	38	Mancos form. Gry carb sh.

FORMATION RECORD—Continued

[illegible]

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 belling.

HISTORY OF OIL OR GAS WELL

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

(25/11/74)
5300-5306; 5312-20;
5326-30; 5532-48;
5622-88; 5646-54;
5666-76; 5682-38;

Trac Moss Verde. perf w/20,500 gal water, 17,000 # 20-40 sand. Flushed none. IR 15.3 BPM. BDP 4000 #, max. pr. 6300 #. Treating pressure 3900-4000-3900-4000. Spotted 330 gal MCA before perf. Ganded off after 17,000 # sand. Used 7 # WC-3/1000 gal water.