

U. S. LAND OFFICE **Santa Fe**

SERIAL NUMBER 079521

LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
 Lessor or Tract San Juan 28-5 Unit Field Blanco M.V. & Companero Dak. Ext State New Mexico
 Well No. 41(MD) Sec. 32 T. 28N R. 5 W Meridian N.M.P.M. County Rio Arriba
 Location 815 ft. N of N Line and 1090 ft. E of E Line of Sec. 32 Elevation 6557'

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.

Date August 19, 1960 Title Petroleum Engineer

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

Commenced drilling 5-2- 19 60 Finished drilling 5-21 19 60

OIL OR GAS SANDS OR ZONES

No. 1, from	<u>5137</u>	to	<u>5210 (a)</u>	No. 4, from	<u>7530</u>	to	<u>7623 (a)</u>
No. 2, from	<u>5210</u>	to	<u>5336 (a)</u>	No. 5, from	<u>7623</u>	to	<u>7857 (a)</u>
No. 3, from	<u>5336</u>	to	<u>5670 (a)</u>	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		Purpose
							From—	To—	
13 3/8"	48	8 Rd.	J-40	284	Baker				surface
9 5/8"	56	8 Rd.	J-55	3501	Baker				intermediate
7"	23	8 Rd.	N-80 & J-55	7841	Baker				prod casing
2"	4.7	8 Rd.	J-55	7754					prod tubing
2"	4.7	8 Rd.	J-55	5659					prod tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8"	296	300	circulated		
9 5/8"	3592	190	single stage		
7"	7852	1120	single stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material..... Size ~~Baker Model "D" packer @ 7130'~~

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 3593 feet, and from 3593 feet to 7857 feet. Gas Drilled

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

DATES

6-30-, 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 1-7,654,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **M-1058 D-2582** **A.O.F. M-11190 D-3991 MCF/D**

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	2725	2725	Tan to gry cr-grn ss interbedded w/gry sh.
2725	2830	105	Ojo Alamo ss. White cr-grn s.
2830	3130	300	Kirtland form Gry sh interbedded w/tight gry fine-grn ss.
3130	3382	252	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3382	3452	70	Pictured Cliffs forms Gry, fine-grn, tight, varicolored soft ss.
3452	5137	1685	Lewis form. Gry, fine-grn, dense sil ss.
5137	5210	73	Cliff House ss. Gry, fine-grn, dense sil ss.
5210	5536	326	Manefee form. Gry, fine-grn s, carb sh & coal.
5536	5670	134	Point Lookout form. Gry, very fine-sil ss w/frequent sh breaks.
5670	6648	978	Mancos form. Gry carb sh.
6648	7170	522	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg. interbed sh.
7170	7468	298	Sanastee form. Dk gry calc very fine to fine gry ss w/calc veins w/irreg. inter. drk gry s.
7468	7530	62	Greenhorn form Highly calc gry sh w/thin lmst.
7530	7623	93	Graneros form. Dk gry shale, fossil & carb w/prite incl. 7623
7623	7857	234	Dakota form. Lt to dk gry foss carb sl calc sl silty ss w/prite incl thin sh bands clay & shale breaks.

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.

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FORMATION RECORD—Continued