

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079319
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible]

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
 Lessor or Tract Schwerdtfeger Field So. Blanco P.C. State New Mexico
 Well No. 3-A Sec. 6 T. 27N R. 8W Meridian NMPM County San Juan
 Location 330 ft. N. of S. Line and 2390 ft. E. of W. Line of Section 6 Elevation 6761'
 (800 ft. below 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 W. L. Smith

Date November 15, 1955 Title Petroleum Engineer

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

Commenced drilling 9-18-55, 1955 Finished drilling 10-11-55, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2876 to 2936 G. No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to 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—	
9 5/8"	25.4#	P.E.	S.W.	121'	Howco				Surface
7"	20#	8 RD	J-55	2068'	Baker				Prod. Cng.
1"	1.68#	10 RD	Std. Blk.	2914'					Prod. Tng.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	132'	100	Circulated		
7"	2878'	150	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 2886 feet, and from _____ feet to _____ feet

Cable tools were used from 2886 feet to 2950 feet, and from _____ feet to _____ feet

2990 DATES

-----10-15-55-----, 19----- 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 1,191,000..... Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. -----815-----

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	650	650	Tan cr-grn ss w/thin sh breaks.
650	1060	410	Variegated sh w/thin ss breaks.
1060	1640	580	Tan to gry cr-grn ss interbedded w/gry sh.
1640	2055	415	Ojo Alamo ss. White cr-grn s.
2055	2670	615	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2670	2876	206	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2876	2936	60	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2936	2950 T.D.	14	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.

FORMATION

[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 bailing.

10-11-55 Fractured 2878' - 2950'. Total depth 2950'. Treated with 13,700 gallons water and 24,000# sand. Breakdown pressure 1050#, average pressure 1300#, maximum pressure 2800#, Injection rate 31 bbls./min. Flush 1700 gallons. Natural gas ISM.

Oct. 14, 1955. Total Depth 2950'.
Water fractured pictured cliffs. Interval 2978' - 2950'. treated down casing with 10,000 Gallons water, 10,000# regular sand and 25 gallons HV-flow. Breakdown pressure 1650 psi, maximum treating pressure 1200 psi, average treating pressure 900 psi. Average injection rate 34.0 bbls./min. Flush 5200 gallons water. Gage on Pictured cliffs, 72 hours after last treatment 273 MCF/D.

HISTORY OF OIL OR GAS WELL

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