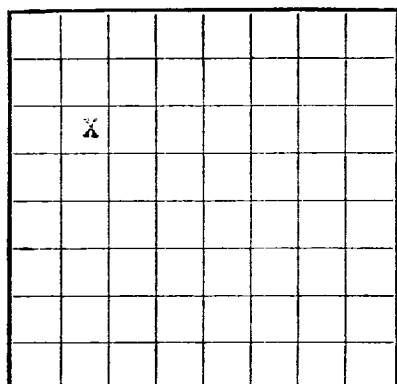


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079319
LEASE OR PERMIT TO PROSPECT _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Ext. State New Mexico
 Well No. C-A Sec. 31 T. 28N R. 8W Meridian NM County San Juan
 Location 1452 ft. top of N Line and 990 ft. (E) of W Line of Section 31 Elevation 5890
 (Deriv. from existing well log)

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.

so far as can be determined from an available records.

Signed _____ Original Signed EWELL N. WALSH

Date November 26, 1956 _____ Title Petroleum Engineer

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

Commenced drilling 9-10-56, 1956 Finished drilling 9-15-56, 1956

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 2123 to 2125 (C) 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. 2, from _____ to _____

No. 3, 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
5-1/2"	15.5	8 FD	J-55	220'	Howco				Prod. Cas.
2"	4.7	8 FD	J-55	231'	Howco				Prod. Reg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	131'	100	Circulated		
5-1/2"	2220'	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 _____ feet to 2220 feet, and from _____ feet to _____ feet

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

DATES

-----10-27-56-----, 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 4,171,000 A.O.F. 5.00 MCF/L. Gallons gasoline per 1,000 cu. ft. of gas

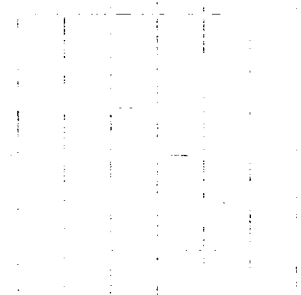
Rock pressure, lbs. per sq. in. -----799-----

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1220	1220	Tan to gry cr-grn ss interbedded w/gry sh.
1220	1342	122	Ojo Alamo ss. White cr-grn s.
1342	1829	487	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
1829	2123	294	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2123	2193	70	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2193	2220	27	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.

[illegible][illegible]

10-10-61

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. 10-25-56 Pictured Cliff Port. 2123-2148, 2166-2174. Water fractured with 29,000 gallons water & 40,000 sand. BDP 3500', maximum pressure 3500'. Treating pressure 2400'. Injection rate 4 1/2 BHM. Flush 2000 gallons. No emulsion.

HISTORY OF OIL OR GAS WELL

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[illegible]

MAAR: 0.107