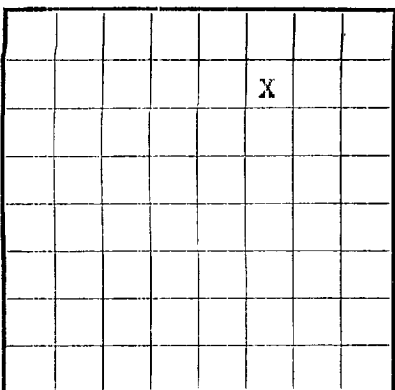


Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078566
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

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 Storey Field So. Blanco Ext. & Blanco State New Mexico
Well No. 4 (PM) Sec. 34 T. 28N R. 8W Meridian N.M.P.M. County San Juan
Location 900 ft. N of N Line and 1650 ft. E of E Line of Section 34 Elevation 6270
(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 D. C. Johnston

Date September 23, 1957 Title Petroleum Engineer

The summary on this page is for the condition of the well at above date.
Commenced drilling 8-10, 1957 Finished drilling 8-24, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2640 to 2719 (G) No. 4, from 4862 to 5010 (G)
No. 2, from 4309 to 4340 (G) No. 5, from _____ to _____
No. 3, from 4340 to 4862 (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	To—	Purpose
10 3/4	32.75	P. E.	S. W.	161'	Howco			Surface
7 5/8	26.4	8 Rd.	J-55	2793'	Baker			Reg. Csg.
5 1/2	15.5	8 Rd.	J-55	2317'	Baker			Prod. Liner
2"	4.7	8 Rd.	J-55	1937'				Prod. Tbg.
1 1/4"	2.3	8 Rd.	Grade "B"	2661'				Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	173	125	Circulated		
7 5/8	2804	250	Single Stage		
5 1/2	2743-5060	300	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size Baker "EG" Pkr. @ 2848'

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Gas Drilled

Rotary tools were used from _____ feet to 2605 feet, and from 2805 feet to 5065 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

9-4, 1957 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.C. 2,141,000
M.V. 3,011,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1026 (MV) A.O.F. = P. C. 2201 MCF/D
M. V. 3613

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1573	1573	Tan to gry cr-grn ss interbedded w/gry sh.
1573	1838	265	Ojo Alamo ss. White cr-grn s.
1838	2445	607	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2445	2640	195	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2640	2719	79	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2719	4309	1590	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4309	4340	31	Cliff House ss. Gry, fine-grn, dense sil ss.
4340	4862	522	Menefee form. Gry, fine-grn s, carb sh & coal.
4862	5010	148	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5010	5065	55	Mancos formation. Gry carb sh.

(OVER)

[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 pigs or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

29/57

1. *Chlorophyll* is the green pigment found in plants and algae, responsible for photosynthesis. It is located in the chloroplasts, which are organelles found in plant cells.

2. *Chlorophyll* is a type of pigment that absorbs light energy, which is then used to convert carbon dioxide and water into glucose and oxygen.

3. *Chlorophyll* is a complex molecule consisting of a central magnesium atom coordinated by four nitrogen atoms, with a side chain that includes a long phytol chain.

4. *Chlorophyll* is a type of pigment that is found in the chloroplasts of plant cells, and it is responsible for the green color of plants.

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