

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078740
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 997, Farmington, New Mexico
Lessor or Tract San Juan 30-5 Unit Field Rancho M.V. & Wildest Dakota State New Mexico
Well No 27-20 (MD Sec 20 T. 30N R. 5W Meridian N.M.P.M.) County Rio Arriba
Location 1090 ft. N. of 5 Line and 350 ft. E. of W. Line of Section 20 Elevation 6306
(Depth from surface to gas 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. ORIGINAL SIGNED H.E. McANALLY -
Signed

Date December 28, 1959 Title Petroleum Engineer

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

Commenced drilling ~~8-28~~ August 24, 1959 Finished drilling 9-27, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from ~~5145~~ to ~~5228 (a)~~ No. 4, from ~~7644~~ to ~~7878 (c)~~

No. 2, from 5461 (a) to 5460 (a) No. 5, from _____ to _____

No. 3, from 5460 to 5660 (M) No. 6, from to

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____

No. 2 from ~~XXXXXXXXXX~~ to ~~XXXXXXXXXX~~ No. 4 from ~~XXXXXXXXXX~~ to ~~XXXXXXXXXX~~

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"	4.7	8 Ra.	N-40	269	Hovon				Surface
9 1/2"	4.7	8 Ra.	N-40	269	Baker				Intermediate
7"	23	8 Ra.		7534	Baker				Prod. Csg.
5"	18	8 Ra.	N-80	449	Baker				Prod. Liner
2 3/8"	4.7	8 Ra.	J-55	7638					Prod. Tbg.
1 1/4"	2.4	10 Ra.	Grade A*	5612					Seal

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	274	220	Circulated		
9 5/8	3495	150	Single Stage		
7	7504	1010	Single Stage		
5	7411-7882	60	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material	Size
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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 _____ feet, and from **Gas Drilled** _____ feet to _____ feet.

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

DATES

.....	19	Put to producing	19
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The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil: _____

The production for the next 24 hours was ----- barrels of fluid of which ----- % was oil, ----- %	
emulsion:	% water and % sediment
	Gravity: 80° F

emulsion, ---% water, and ---% sediment. Gravity, Be. -----

If gas well, cu. ft. per 24 hours D-2,358,000 Gallons gasoline per 1,000 cu. ft. of gas _____
D-1309,000

Rock pressure, lbs. per sq. in. _____

EMPLOYEES	
Driller	Driller

		, Driller		, Driller
		Driller		Drill

_____, Driller _____, Driller _____

FORMATION RECORD

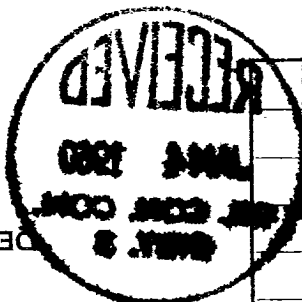
FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
Undev.	2763	2763	Tan to gry cr-grn ss interbedded w/gry sh.
2763	2898	135	Ojo Alamo ss. Whitecr-grn ss.
2898	3228	330	Kirtland form. Gry sh interbedded w/tight gry fine gry ss.
3228	3359	131	Fruitland form. Gry carb sh, scattered coals, coal s and gry, tight, fine-grn ss.
3359	5145	1786	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
5145	5228	83	Lewis formation. Gry to white dense sh w/silt to shaly ss breaks.
5228	5460	232	Cliff House ss. Gry, fine-grn, dense sil ss.
5460	5669	209	Menefee form. Gry, fine-grn s, carb sh & coals.
5669	6563	894	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
6563	7144	581	Mancos formation Gry carb sh.
7144	7459	315	Gallup form. Lt gry to brn calc carb micac glance very fine gry ss w/irreg. interbed sh. 21 20 21 20 21 20
7459	7507	48	Shinarump form. Dk gry clay w/very fine to fine gry ss w/inter veins w/irreg inter drk gry (Artesia sand) Highly calc gry sh w/thin
7507	7644	137	Lower: Lower part of the formation is a fine grained, light colored, calcareous, fossiliferous, and contains thin layers of carb w/white incl.

ROBINATION [OVER] CONTINUED

(Over)

16-48091-1



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SERIAL NUMBER

U.S. LAND OFFICE

State No.

Company of _____ Address _____

Lessors or Tract _____ Field _____ State _____

Section _____ Township _____ Range _____

Location _____

The information on this page is for the condition of the well at the time of the survey.

10-22-59 _____

10-21-59 _____

10-19-59 _____

10-18-59 _____

10-16-59 _____

10-15-59 _____

10-14-59 _____

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10-12-59 _____

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