

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **077106**
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 Lackey Field Blanco State New Mexico
 Well No. 8-B(FM) Sec. 20 T. 26N R. 9W Meridian N.M.P.M. County San Juan
 Location 890 ft. N of S Line and 990 ft. E of W Line of Section 20 Elevation 5871

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 April 5, 1957 Signed _____ Original Signed EWELL N. WALSH
Title Petroleum Engineer

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

Commenced drilling 1-18, 19 57 Finished drilling 2-14, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Delete gas by 6)

No. 1, from	2032	to	2105 (G)	No. 4, from	4289	to	4453 (G)
No. 2, from	3653	to	3697 (G)	No. 5, from			
No. 3, from	3697	to	4289 (G)	No. 6, from			

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	Performance		Purpose
							From—	To—	
10-3/4"	32.75	P.E.	S.W.	162'	Howco				surface
7"	23	8 Rd.	J-55	310'	Baker				Producing
5-1/2"	15.5	8 Rd.	J-55	78'	Baker				liner
2"	4.7	8 Rd.	J-55	419'					Prod. tbg.
1-1/4"	2.3	8 Rd.	Grade "B"	2085'					water syphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	172'	150	circulated		
7"	3619'	300	2 stages (150 sacks cement on each stage)		
5-1/2"	3732-4480'	120	single stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size Baker EGJ Tacker set at 3786'

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
			See Well History			

TOOLS USED

TOOLS USED		Gas Drilled
Rotary tools were used from	175 feet to 3820 feet,	and from 3820 feet to 4483 feet
Cable tools were used from	feet to	feet, and from feet to feet

DATES

2-21, 19 57 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. 3,458,000
M.V. 3,842,000 gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. $\frac{P.C. 521}{M.V. 1063}$ A.O.F. = $\frac{P.C. 4041}{M.V. 5006}$ MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	745	745	Tan to gry cr-grn ss interbedded w, gry sh.
745	1088	343	Ojo Alamo ss. White cr-grn s.
1088	1779	691	Kirtland form. Gry sh interbedded w, tight gry fine-grn ss.
1779	2032	253	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2032	2105	73	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2150	3653	1548	Lewis formation. Gry to white dense sh w, silty to shaly ss breaks.
3653	3697	44	Cliff House ss. Gry, fine-grn, dense sil ss.
3697	4289	592	Menefee form. Gry, fine-grn. s, carb sh & coal.
4289	4453	164	Point Lookout form. Gry, very fine sil ss w, frequent sh breaks.
4453	4483	30	Mancos formation, gry carb sh.

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100 90 80 70 60 50 40 30 20 10

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ORIGINAL 11341 1982 2 160100

2-17-57. Perf. Point Lookout at 230-4300; 4322-4332; 4360-4384. 4414-4424. With 2 shots per foot. Water frac with 59,916 gallons water. 60,000# sand. Maximum treating pressure 1350 psi, average treating pressure 1050 psi, injection rate 75.5 bbls./min. Flush 724 gallons.

2-17-57. Perf. Pictured cliffs at 2040-2056; 2060-2062. With 2 shots per foot with B.I. set at 3832. Water frac with 48,600 gal. water and 1000# sand. Flush 3400 gal. Maximum treating pressure 1600 psi, average treating pressure 1300 psi, injection rate 62 bbls./min.

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.

HISTORY OF OIL OR GAS WELL

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