

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **078493**
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 990, Farmington, New Mexico
 Lessor or Tract San Juan 28-7 Unit Field Blanco M.V.
 Well No. 45 (PM) (OJO) 27 Sec. 27 T. 28-N. R. 7-W Meridian N.M.P.M. County Rio Arriba
 Location 1700 ft. [N.] of S Line and 1050 ft. [E.] of W Line of Section 27 Elevation 609
[XX] [WY] (Derrick Base relative to section)

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 June 7, 1963 Title Petroleum Engineer

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

Commenced drilling 3-4-, 1956 Finished drilling 10-30-56; WO - 5-14-, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

No. 1, from <u>2705</u> to <u>2756(G)</u> No. 2, from <u>4340</u> to <u>4408(G)</u> No. 3, from <u>4408</u> to <u>4907(G)</u>	No. 4, from <u>4907</u> to <u>5035 (G)</u> No. 5, from _____ to _____ No. 6, from _____ to _____
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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—	
16	3/4	32.75	P.E.	S.W.	152	HOWCO				Surface
7	5/8"	26.4	8 rd	J-55	2800	Baker				Prod casing
5	1/2"	15.5	8 rd	J-55	2311	Baker				Prod liner
2	1/16"	3.25	8 rd	J-55	5049					Prod tubing
1	1/4"	2.4	10 rd	J-55	2733					Prod tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	135	125	circulated		
7 5/8"	2810	300	single stage		
5 1/2"	2724-5095	400	single stage & squeeze		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size Baker Model "N" @ 2950'

SHOOTING RECORD

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

TOOLS USED

Gas Drilled

Rotary tools were used from 170 feet to 231 feet, and from 231 feet to 5100 feet.

Cable tools were used from 0 feet to 171 feet, and from _____ feet to _____ feet.

DATES

~~8-15~~-----, 19~~50~~ 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-687,999 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. P-702

M-803 EMPLOYEES A.O.F. #691; M-2739 MCF/D

-----, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1872	1872	
1872	1972	100	Ojo Alamo
1972	2435	463	Kirtland
2435	2705	270	Fruitland
2705	2756	51	Pictured Cliffs
2756	4340	1584	Lewis
4340	4408	68	Cliff House
4408	4907	499	Menefee
4907	5035	128	Point Lookout
5035	5100	65	Mancos form.

FORMATION RECORD—Continued

[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.

HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

8-12-60

2706-18; 2722-28; 2734-40;

These pictured clasts w/ 32,125 gal water & 30,000# sand.
HDI 3000# max pr 3000# avg tr pr 1000-1200#. IR 50.3
HBM. Fluesh 500 flasks.

HPM, Flush 6700 gallons.

17-3-56

83-0679; 8011-967
83-0679; 8011-967

Trac Cliff House & Point Lookout as follows: Pumped in @ 1500#. Pumped 50,000# sand. Lost 5000#, radioactive. Used 97,000 gallons water w/90,000# sand. Flushed w/6000 gallons water. IR 58 BFM. Max 1st stage 1800#. 2nd stage 1950#. Avg 1st stage 1650#, 2nd stage 1850#. Gaged 3500 M after trac.

FILED