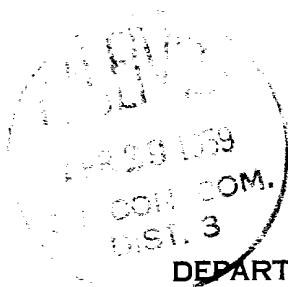


A 10x10 grid with an 'X' in the 8th row, 2nd column.



U. S. LAND OFFICE ----- Santa Fe
SERIAL NUMBER ----- C79391
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 27-5 Unit Field So. Blanco P.C. Field State New Mexico
 Well No. 45 (EM) Sec. 1 T. 26N R. 5W Meridian N.M.P.M. County Rio Arriba
 Location 1090 ft. [N.] of 6 Line and 340 ft. [E.] of W Line of Section 7 Elevation 5534
 (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 C. D. COX

Date April 24, 1959 Title Petroleum Engineer

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

Commenced drilling March 14, 1959 Finished drilling March 24, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by \odot)

No. 1, from 3322 to 3324 (c) No. 4, from 5500 to 5630 (c)
 No. 2, from 4239 to 5025 (c) No. 5, from _____ to _____
 No. 3, from 5025 to 5500 (c) 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	Perforated		Purpose
							From—	To—	
10 3/4	32.75	P.E.	S.W.	160'	Howco				Surface
7 5/8	26.40	3 Rd.	J-55	3493'	Baker				Prod. casing
5 1/2"	15.50	3 Rd.	J-55	2274'	Baker				Prod. liner
2"	4.7	8 Rd.	J-55	3591'					Prod. tbg.
1 1/4	2.4	3 Rd.	Grade "A"	3355'					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'	100	Circulated		
7 5/8"	3504'	126	Single Stage		
5 1/2"	3443-5717'	330	Single Stage & Squeeze		

PLUGS AND ADAPTERS

Heaving plug--Material Length Depth set

Adapters—Material _____ Size _____ ~~Baker "EGJ" Packer set at 3364'~~

SHOOTING RECORD

[illegible]

TOOLS USED

TOOLS USED		Gas Drilled
Rotary tools were used from	0 feet to 3505 feet, and from 3505 feet to 5719 feet	
Cable tools were used from	feet to feet, and from feet to feet	

DATES

~~March 21~~ _____, 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 P.C. 2,139,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 2,725,000 M.V. 2,725,000 P.C. 2199

Rock pressure, lbs. per sq. in. **P.C. 1087** **A.O.F. 1087** **MP/D**
M.V. 104 **EMPLOYEES** **M.V. 3209**

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2590	2590	Tan to gry cr-grn ss interbedded w/gry sh.
2590	2800	210	Ojo Alamo ss. White cr-grn s.
2800	3110	310	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3110	3322	212	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3322	3394	72	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3394	4939	1595	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4939	5095	106	Cliff House ss. Gry, fine-grn, dense sil ss.
5095	5500	405	Menefee form. Gry, fine-grn s, carb sh & coal.
5500	5630	130	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5630	5719	89	Mancos formation. Gry carb sh.

FORMATION RECORD--Continued

[illegible]

HISTORY OF OIL OR GAS WELL

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.

3-27-59 Total Depth 5719'. C.O.T.D. 5660'.
Water Trac Point Lookout perf. int. 5475-5485; 5503-5513; 5533-5543; 5553-5563' 5591-5605; 5621-5631 w/60,480 gallons water & 60,000# sand.
B.D.P. 1700#, max. pr. 1850#, trtg. pr. 1400-1500-1600-1750#.
I.R. 36.5 B.P.M. Dropped 5 sets of 20 balls. Flush 1408 gallons.
3-28-59 B.P. @ 5005'.
Water Trac Pictured Cliffs perf. int. 3330-3344; 3372-3380;
3390-3398 w/35,280 gallons water & 35,000# sand. B.D.P.
2450#, max. pr. 2450#, avg. tr. pr. 1500-1700-2100-1950#.
I.R. 74 B.P.M. Flush 7140 gallons. Dropped 3 sets of 10 balls.