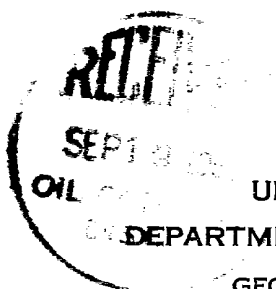


[illegible]

LOCATE WELL CORRECTLY



U. S. LAND OFFICE **Santa FE**
SERIAL NUMBER **079519**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
Lessor or Tract San Juan 28-5 Unit Field Blanco Mesa Verde State New Mexico
Well No. 39 Sec. 24 T. 28N R. 5 W Meridian N.M.P.M. County Rio Arriba
Location 790 ft. SW of N Line and 790 ft. SE of E Line of Sec. 24 Elevation 7422

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 By: D.H. Dneim
Date September 13, 1960 Title Petroleum Engineer

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

Commenced drilling 6-30-60, 1960 Finished drilling 7-26, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4358 to 4463 (G) No. 4, from 6537 to 6715 (G)
No. 2, from 6172 to 6230 (G) No. 5, from _____ to _____
No. 3, from 6230 to 6537 (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	Perforated		Purpose
							From—	To—	
10 3/4"	32.75	8 R.	H.W.	121	Howco				surface
7 5/8"	25.4	8 Rd	J-55	4534	Baker				intermediate
5 1/2"	15.5	8 Rd	J-55	2299	Baker				prod. liner
2"	4.7	8 Rd.	J-55	6692					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"	132	110	circulated		
7 5/8"	4566	95	single stage		
5 1/2"	4477-6776	224	single stage		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 132 feet to 4568 feet, and from 4568 feet to 6783 feet.

Cable tools were used from 0 feet to 132 feet, and from _____ feet to _____ feet.

DATES

----- **7-30** -----, 19 **60** : 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 2,800,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1148----- A.O.F. - 3653 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3742	3742	Tan to gry cr-grn ss interbedded w/gry sh.
3742	3881	139	Ojo Alamo ss, White cr-grn s.
3881	4096	215	Kirtland form Gry sh interbedded w/tight gry fine-grn ss.
4096	4358	262	Fruitland form. Gry carb sh, scattered coals, coal and gry, tight, fine-grn ss.
4358	4463	105	Pictured Cliffs forms Gry, fine-grn, tight, varicolored soft ss.
4463	6172	1709	Lewis form. Gry, fine-grn, dense sil ss.
6172	6230	58	Cliff House ss. Gry, fine-grn, dense sil ss.
6230	6537	307	Maneefee form. Gry, fine-grn s, carb sh & coal.
6537	6715	178	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
6715	6783	68	Mances formation. Gry carb sh.

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, location, and number of shots. If pings or bridges were put in to test for water, state kind of material used, position, and results. If any other work was done, state fully, and give date, size, location, and number of shots.

HISTORY OF OIL OR GAS WELL

Frac Water Grade A/50,000 Gallons water & 50,000 # 20-40
sand. Flushed w/11,766 Gallons water. B.D.P. 1800 #,
max. pr. 2500 #. Injection rate 66.8 B.P.M. Treating
pressure 1200-1400-1600-1800-2200 #. Dropped 50,40,30,
& 20 balls.

69-0499; 68-6859; 68-1799
68-1799; 68-6859; 68-1799
68-6859; 68-1799; 68-1799
68-1799; 68-6859; 68-1799