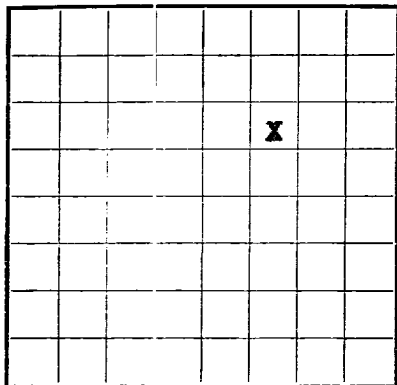
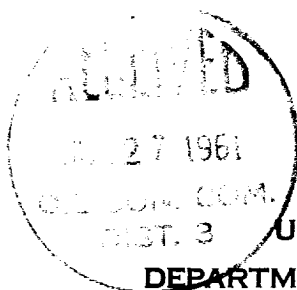




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **079393**
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 27-5 Unit** Field **Blanco M. V.** State **New Mexico**
Well No. **61** Sec. **5** T **27N** R. **5W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **1700** ft. **XXX** of **N** Line and **1850** ft. **XX** of **E** Line of **Section 5** Elevation **6653**
(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 R. J. MILLER

Date **July 25, 1961**Title **Petroleum Engineer**

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

Commenced drilling **5-28**, 19 **61** Finished drilling **6-11**, 19 **61**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3453** to **3544 (G)** No. 4, from **5622** to **5770 (G)**
No. 2, from **5122** to **5290 (G)** No. 5, from _____ to _____
No. 3, from **5290** to **5622 (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"	24.5	8	3-55	3673					Surface casing
2-7/8"	8.4	8	3-55	3673					Refracturing
1-1/4"	2.4	10	3-55	3673					Cementing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	13'	138	circulated		
2-7/8"	5816	148	single stage		
1-1/4"	9673	390	circulated		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
5624-32; 5645-5656; 5694-5700; 5708-14; 5718-24; 5745-57;		Water frac Mann Versa w/83,680 gal water. ROP 1790', max pr 2400', avg tr pr 2300-2400-2200-2100-3000'. I. R. 17 BPM. 6 stages.				

TOOLS USED

Rotary tools were used from **0** feet to **5819** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

S.I. 6-24, 19 **61** 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 **1,749,000**

Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **1128****A.O.F. 1796 MCF/D**

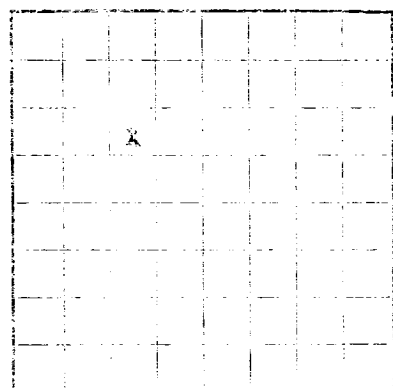
EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2765	2765	Tan to gry cr-grn ss interbedded w/gry sh.
2765	2948	183	Ojo Alamo ss. White cr-grn s.
2948	3205	257	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3205	3453	248	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3453	3544	91	Pictured Cliffs forms. Gry, fine-grn, tight, varicolored soft ss.
3544	5122	1578	Lewis form. Gry, fine-grn, dense sil ss.
5122	5290	168	Cliff House ss. Gry, fine-grn, dense sil ss
5290	5622	332	Manefee form. Gry, fine-grn s, carb sh & coal.
5622	5770	148	Point Lookout form. Gry, very fine sil ss. w/frequent sh breaks.
5770	5819	49	Mancos form. Gry carb sh.

FORMATION RECORD—Continued



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company _____
 Location _____
 Well No. _____
 Date of completion _____
 The formation log is a description of the well and all work done thereon
 from the surface down to the bottom of the 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
 attached to the well, give 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.

Important water sands
 No. 1 from _____ to _____
 No. 2 from _____ to _____
 No. 3 from _____ to _____

Casing record
 No. 1 from _____ to _____
 No. 2 from _____ to _____

History of oil or gas well
 10-48094-2 U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
2700	2700	2700	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
2600	2600	2600	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
2500	2500	2500	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
2400	2400	2400	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
2300	2300	2300	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
2200	2200	2200	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
2100	2100	2100	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
2000	2000	2000	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
1900	1900	1900	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
1800	1800	1800	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
1700	1700	1700	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
1600	1600	1600	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
1500	1500	1500	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
1400	1400	1400	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
1300	1300	1300	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
1200	1200	1200	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
1100	1100	1100	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
1000	1000	1000	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
900	900	900	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
800	800	800	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
700	700	700	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
600	600	600	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
500	500	500	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
400	400	400	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
300	300	300	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
200	200	200	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
100	100	100	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.
0	0	0	Gravelly sand, fine-grained, yellowish, silty, with thin layers of clay.