

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **079250**
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

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 **Basin Dakota** State **New Mexico**
Well No. **61** Sec. **18** T. **28N** R. **5W** Meridian **N.M.P.M.** County **San Juan**
Location **1650** ft. **XX** of **N** Line and **990** ft. **XX** of **E** Line of **Section 18** Elevation **6677**
(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 M.S. OPERLY**
Date **March 11, 1963** Title **Petroleum Engineer**

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

Commenced drilling **11-8-62**, 19____ Finished drilling **12-2-**, 19 **62**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **7745** to **7882 (G)** No. 4, from _____ to _____
No. 2, from **7882** to **8025 (G)** No. 5, from _____ to _____
No. 3, from _____ to _____ 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—	
9 5/8"	40#	8 rd	S-95	295	HOWCO				Surface
4 1/2"	10.5, 11.6	8 rd	J-55	8014	Baker				Prod casing
2 3/8"	4.7	8 rd	J-55	7989					Prod tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	305	210	circulated		
4 1/2"	8025	520	3 Stage		

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
Perf 7982-88; 7962-68; 7932-38; (2 SPF); 7884-96 (1 SPF); 7800-06 (2 SPF); Frac w/80,000 gallons water, 70,000# sand. Flush w/4900 gallons. IR 38 BPM. Max pr 4200#, BDP 1600#, Tr pr 3300-4000#. 4 drops of 12 balls.						

TOOLS USED

Rotary tools were used from _____ feet to **8025** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

March 1, 19 **63** 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 **4,451,000** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **2774** **A.O.F. 5493 MCF/D**

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2840	2840	
2840	3002	162	Ojo Alamo
3002	3339	337	Kirtland
3339	3595	256	Fruitland
3595	3647	52	Pictured Cliffs
3647	5328	1681	Lewis
5328	5427	99	Cliff House
5427	5743	316	Menefee
5743	5874	131	Point Lookout
5874	6783	909	Mancos
6783	7685	902	Gallup
7685	7745	60	Greenhorn
7745	7882	137	Graneros
7882	8025	143	Dakota

JUN 24 1964 10 31 AM '64

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

FORMATION RECORD—Continued