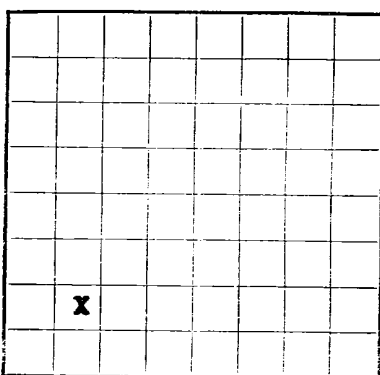


U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **079519-A**
LEASE OR PERMIT TO PROSPECT

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 **Blanco Mesa Verde** State **New Mexico**
Well No. **48** Sec. **22** T. **28-N** R. **5-W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **1150** ft. **N** of **8** Line and **850** ft. **E** of **W** Line of **Section 22** Elevation **6764**
(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 **W. B. McFarland**Date **July 28, 1961** Title **Petroleum Engineer**

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

Commenced drilling **6-14-**, 19 **61** Finished drilling **6-30-**, 19 **61**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **5423** to **5498 (G)** No. 4, from _____ to _____
No. 2, from **5498** to **5785 (G)** No. 5, from _____ to _____
No. 3, from **5785** to **5952 (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—	
9 5/8"	22.3	8 rd	J-55	125	Baker				Surface
4 1/2"	9.5	8 rd	J-55	3886	Baker				Intermediate
				2227	Baker				Prod liner
1 1/4"	2.4	10 rd.	J-55	5924					Prod tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5/8"	139	100	circulated		
7"	3899	105	single stage		
4 1/2"	3788-6015	260	single 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
5954-48; 5988-82;						
5916-10; 5900-5894;						
5876-70; 5824-18;						
5792-5798;						

TOOLS USED

Rotary tools were used from **0** feet to **3900** feet, and from **3900** ~~cas. drilled~~ **6015** feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

7-11-, 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 **2,378,000** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **1106**

EMPLOYEES **A.O.F. 2598 MCF/D**

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	5423	5423	Not logged.
5423	5498	75	Cliff House ss. Gry, fine-grn dense sil ss.
5498	5785	287	Manefee form. Gry, fine-grn s, carb sh & coal.
5785	5952	167	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5952	6015	63	Mancos form. Gry carb sh.

LEW 640 30 110 50 200

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FORMATION RECORD—Continued