

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **079393**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JAN 29 1963

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **El Paso Natural Gas Company** Address **Box 990, Farmington, New Mexico**
Lessor or Tract **San Juan 27-5 Unit** Field **Basin Dakota** State **New Mexico**
Well No. **89** Sec. **4** T. **27N** R. **5W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **1589** ft. **N** of **S** Line and **800** ft. **E** of **W** Line of **section 4** Elevation **5976**
(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 **CHARLES F. SMITH, Jr.**
Date **January 29, 1963** Title **Petroleum Engineer**

The summary on this page is for the condition of the well at above date.
Commenced drilling **11-24-**, 19**62** Finished drilling **12-14-**, 19**62**

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **7600** to **7741 (G)** No. 4, from _____ to _____
No. 2, from **7741** to **7918 (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—	
10	3/4"	32.75	8rd	H-40	304	HOWCO				Surface
4 1/2"	11.6, 10.5		8 rd	J-55	7996	Baker				Prod casing
2 3/8"	4.7		8 rd	J-55	7645					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"	314	230	circulated		
4 1/2"	1 1/2"	7918	560	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 7644-50 (2 SFF); 7810-14; 7894-98 (3 SFF); 7640-46 (2 SFF); Frac w/71,000 gallons water, 75,000# sand. Flush w/5196 gallons water. IR 29.5 BPM. Max pr 4100#, BOP 1100#, tr pr 3500-4100#, 4 drops of 12 balls.						

TOOLS USED

Rotary tools were used from **0** feet to **7918** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

12-28-62, 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 **4,747,000** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **2588 csg.** A.O.P. **5976**

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2770	2770	
2770	2962	192	Ojo Alamo
2962	3215	253	Kirtland
3215	3451	235	Fruitland
3451	3561	1100	Pictured Cliffs
3561	5121	1560	Lewis
5121	5276	155	Cliff House
5276	5616	340	Manefee
5616	5778	162	Point Lookout
5778	6336	558	Mancos
6336	7541	1205	Gallup
7541	7600	59	Greenhorn
7600	7741	141	Graneros
7741	7918	177	Dakota

(OVER)