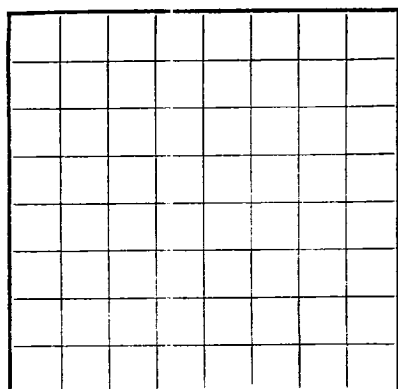
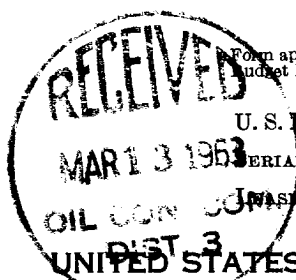




LOCATE WELL CORRECTLY

Form approved.
Budget Bureau No. 42-R355.4.U. S. LAND OFFICE **Santa Fe**SERIAL NUMBER **079393**

LEASE OR PERMIT TO PROSPECT

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

CORRECTED COPY

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 **Basin Dakota** State **New Mexico**
Well No. **78** Sec. **5** T. **27N** R. **5W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **1460** ft. **XX** of **N** Line and **1460** ft. **XX** of **E** Line of **Section 5** Elevation **6537**
(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.

Corrected March 8, 1963 Signed **ORIGINAL SIGNED E. S. OBERLY**
Date **November 1, 1962** Title **Petroleum Engineer**

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

Commenced drilling **8-1-**, 19 **62** Finished drilling **8-29**, 19 **62**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **7505** to **7649 (G)** No. 4, from _____ to _____
No. 2, from _____ to _____ 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"	32.1	8 rd	J-40	358	Baker	Surface casing			Surface casing
4 1/2"	11.6	8 rd	J-55	7816	Baker	Prod casing			Prod casing
2 3/8"	4.50	8 rd	J-55	782	Baker	Prod tubing			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"	31"	200	circulated		
4 1/2"	7826	540	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 7749-43; 7713-07; 7649-43; 7542-36 (3 SPT); Frac w/75,000 gallons water, 72,000# sand. Flush w/5600 gallons water. IR 31.5 BPM. Max pr 3950#, NDP 2100#, tr pr 3450-3950#... 3 drops of 9 balls.						

TOOLS USED

Rotary tools were used from **0** feet to **7826** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

10-3, 19 **62** 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 **4,430,000** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **2351 casing** **A.O.F. 5848 MC₁/D**

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2653	2653	Ojo Alamo
2653	2842	189	Kirtland
2842	3088	246	Fruitland form.
3088	3339	251	Pictured Cliff
3339	3439	100	Lewis
3439	5006	1567	Cliff House
5006	5171	165	Manefee
5171	5518	347	Point Lookout
5518	5665	147	Mancos
5665	6227	562	Gallup form.
6227	7448	1221	Greenhorn
7448	7505	57	Graneros form.
7505	7649	144	Dakota
7649	7826	177	

(OVER)

