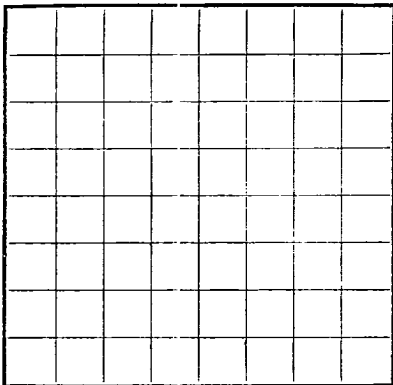




LOCATE WELL CORRECTLY



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 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. N of N Line and 1460 ft. W 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.
Signed ORIGINAL SIGNED H.E. McANALLY

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"	32.3	8 rd	R-40	306	BHCO				Surface
4	1 1/8"	11.8, 11.5	8 rd	J-55	7816	Baker				Prod casing
2	3/8"	4.50	8 rd	J-55	7742	Baker				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"	317	200	circulated		
4	1 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 SFF); Free w/75,000 gallons water, 72,000# sand. Flush w/5600 gallons water, I.R. 31.5 BPM. Max pr 3950#, BDP 2100#, tr pr 3450-3950#. 1 drop 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

10-3-62, 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 4,480,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 2351 casing A.O.F. 5848

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2653	2653	Tan to gry cr-grn ss interbedded w/gry sh.
2653	2842	189	Ojo Alamo ss. White cr-grn s.
2842	3088	246	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3088	3339	251	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3339	3439	100	Pictured Cliffs forms. Gry, fine-grn, tight, varicolored soft ss.
3439	5006	1567	Lewis form. Gry, fine-grn, dense sil ss.
5006	5171	165	Cliff House ss. Gry, fine-grn, dense sil ss.
5171	5518	347	Manatee form. Gry, fine-grn s. carb sh & coal.
5518	5665	147	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5665	6227	562	Mancos form. Gry carb sh.
6227	7448	1221	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg interbed sh.
7448	7505	57	Greenhorn form. Highly calc gry sh w/thin lmst.
7505	7649	144	Graneros form. Lk gry shale, fossil & carb w/prite incl.
7649	7826	177	Dakota form. Lt to dk gry foss carb sl calc sl silty ss w/prite incl thin sh bands clay & shale breaks.

