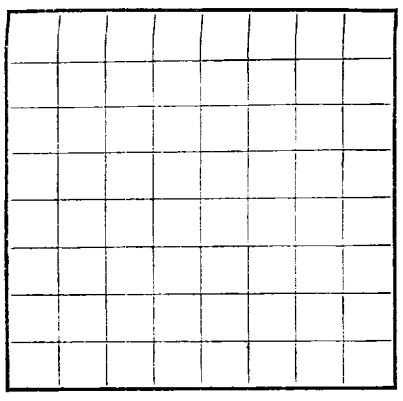
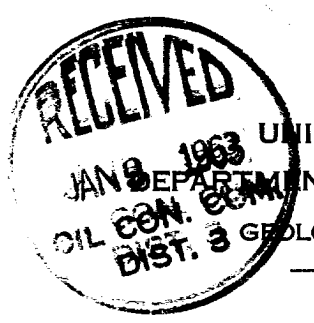
Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078365
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 28-6 Unit Field Basin Dakota State New Mexico
Well No. 111 Sec. 15 T. 27N R. 6W Meridian N.M.P.M. County Rio Arriba
Location 890 ft. {N. / Sx} of S Line and 790 ft. {E. / W} of W Line of Section 15 Elevation 6511 (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 P. T. McGRATH

Date January 7, 1963 Title Petroleum Engineer

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

Commenced drilling 10-27, 1962 Finished drilling 11-16, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 7362 to 7474 (G) No. 4, from ____ to ____
No. 2, from 7474 to 7670 (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 From—	Perforated To—	Purpose
9	5/8"		8 rd	H-40	240	HOWCO				Surface
4	1/2"	11.6,10.5	8 rd	J-55	7660	Baker				Prod casing
2	3/8"	4.6	8 rd	J-55	7541	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"	252	210	circulated		
4	1/2"	7670	442	3 stage		

MARK

FOLD

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 7586-98;7512-24(1 SPF);7416-20;7396-7400(3 SPF); Frac w/54,768 gallons water, 55,000# sand Flush w/5208 gallons water. IR 37 BPM. Max pr 3800#, BDP 3800#, tr pr 3300-3800#. 1 drop of 6 balls.						

TOOLS USED

Rotary tools were used from 0 feet to 7670 feet, and from ____ feet to ____ feet
Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

DATES

12-4-62, 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 3,703,000 Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. 2616 csg. A.O.F. 4087

EMPLOYEES

____, Driller ____, Driller
____, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2557	2557	Tan to gry cr-grn ss interbedded w/gry sh.
2557	2615	58	Ojo Alamo ss. White cr-grn s.
2615	2926	311	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2926	3173	247	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3173	3253	80	Pictured Cliffs forms. Gry, fine-grn, tight, vari-colored soft ss.
3253	4871	1618	Lewis form. Gry, fine-grn, dense sil ss.
4871	4980	109	Cliff House ss. Gry, fine-grn, dense sil ss.
4980	5397	417	Menefee form. Gry, fine-grn s, carb sh & coal.
5397	5539	142	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5539	6344	805	Mancos form. Gry carb sh.
6344	7296	952	G llup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg interbed sh.
7296	7362	66	Greenhorn form. Highly calc gry sh w/thin lmst.
7362	7474	112	Graneros form. Dk gry shale, fossil & carb w/prite incl.
7474	7670	196	Dakota form. Lt to dk gry foss carb sl calc sl silty ss w/prite incl thin sh bands clay & shale breaks.

[OVER]