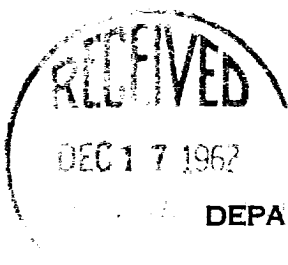


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079391
LEASE OR PERMIT TO PROSPECT _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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. 85 Sec. 2 T. 27N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 1190 ft. [N.] of S. Line and 550 ft. [E.] of W. Line of Section 9 Elevation 6737
(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 _____

Date December 12, 1962 Title Petroleum Engineer

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

Commenced drilling 9-7-, 1962 Finished drilling 10-1-, 1962

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

No. 1, from 7591 to 7790 (G) No. 4, from _____ to _____
No. 2, from 7790 to 7991 (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	8 rd	H-40	313	HOWCO				Surface
4 1/2"	10.5, 11.6	8 rd	J-55	7981	Baker				Prod casing
2 3/8"	4.7	8 rd	J-55	7914	Baker				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"	327	240	circulated		
4 1/2"	7991	585	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
Pert 7733-39 (2 SPF); 7764-68 (3 SPF); 7842-48; 7884-90 (2 SPF) 7920-24 (3 SPF)						
Frac w/77,000 gallons water, 75,000# sand. Flush w/6000 gallons water. IR 29.1 BPM.						
Max pr 4000#, BDP 900#, LF pr 3100-3800#. 4 drops of 21 balls.						

TOOLS USED

Rotary tools were used from 0 feet to 7991 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

10-23-, 1962 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 4,751,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 2581 tbq. A.C.F. 6211 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	2927	2927	Tan to gry cr-grn ss interbedded w/gry sh.
2927	3094	167	Ojo Alamo ss. White cr-grn s.
3094	3357	273	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3357	3544	177	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3544	3617	73	Pictured Cliffs forms. Gry, fine-grn, tight, varicolored soft ss.
3617	5205	1588	Lewis form. Gry, fine-grn, dense sil ss.
Cliff House	5205	139	Cliff House ss. Gry, fine-grn, dense sil ss.
5205	5344	348	Menefee form. Gry, fine-grn s, carb sh & coal.
5344	5692	171	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5692	5853	819	Mancos form. Gry carb sh.
5853	6682	950	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg interbed sh.
6682	7532	59	Greenhorn Highly calc gry sh w/thin lmst.
7532	7591	99	Graneros Dk gry sh, fossil & carb w/prite incl.
7591	7790	201	Dakota form. Lt to dk gry foss carb sl calc sl silty ss w/prite incl thin sh bands clay & shale breaks.
7790	7991		