



LOCATE WELL CORRECTLY



U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079363
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 28-6 Unit Field Basin Dakota State New Mexico
Well No. 109 Sec. 1 T27N R.6-W Meridian N.M.P.M. County Rio Arriba
Location 890 ft. XX of N Line and 1460 ft. XX of E Line of Section 1 Elevation 6535
(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. ORIGINAL SIGNED P.E. MCANALLY
Signed _____

Date November 6, 1962 Title Petroleum Engineer

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

Commenced drilling 7-31-62, 19____ Finished drilling 8-20, 19 62

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

No. 1, from 7476 to 7609 (G) No. 4, from _____ to _____
No. 2, from 7609 to 7775 (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—	
9 5/8"	32.3	8 rd	B-40	311	Hawco				Surface
4 1/2"	11.6, 10.5	8rd	J-55	7765	Baker				Prod. casing
2 3/8"	4.7	8 rd	J-55	7660	B-ker				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"	322	210	circulated		
4 1/2"	7775	545	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 7514-18; 7536-40; 7627-31; 7641-45; 7675-79; 7698-7704; Water frac Dakota w/80,000 gallons water, & 78,000# sand. Flush w/5160 gallons water. I.R. 41 BPM. Max pr 3400#, BDP 3400#, tr pr 2900-3200#. Dropped 5 sets of 12 balls.						

TOOLS USED

Rotary tools were used from 0 feet to 7775 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

10-25, 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 5,399,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 2,684 csg. A.O.F. 7264 MCF/D.

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2592	2592	Tan to gry cr-grn ss interbedded w/gry sh.
2592	2756	164	Ojo Alamo ss. White cr-grn s.
2756	3060	304	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3060	3299	239	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3299	3385	86	Pictured Cliffs forms. Gry, fine-grn, tight, varicolored soft ss.
3385	4983	1598	Lewis form. Gry, fine-grn, dense sil ss.
4983	5116	133	Cliff House ss. Gry, fine-grn, dense sil ss.
5116	5452	336	Menefee form. Gry, fine-grn s, carb sh & coal.
5452	5639	187	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5639	6459	820	Mancos form. Gry carb sh.
6459	7412	953	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg interbed sh.
7412	7476	64	Greenhorn form. Highly calc gry sh w/thin lmst.
7476	7609	133	Graneros form. Dk gry shale, fossil & carb w/white incl. XXXX XXXX
7609	7775	166	Dakota form. Lt to dk gry foss camb sl calc sl silty ss w/prite incl thin sh bands clay & shale breaks.