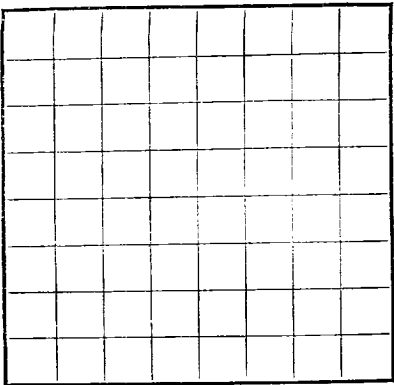




LOCATE WELL CORRECTLY



U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

Santa Fe
079492-A

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 Blanco Mesa Verde State New Mexico
Well No. 91 Sec. 13 T. 27N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 890 ft. N. of N Line and 990 ft. W. of E Line of Section 13 Elevation 6878
(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 January 8, 1963 Title Petroleum Engineer

The summary on this page is for the condition of the well at above date.
Commenced drilling 10-13, 19 62 Finished drilling 10-30, 19 62

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

No. 1, from 5533 to 5892 (G) No. 4, from _____ to _____
No. 2, from 5892 to 6036 (G) No. 5, from _____ to _____
No. 3, from 6036 to 6075 (G) 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	173	Blanco				Surface
7 5/8"	26.4	8 rd	J-55	2075	Blanco				Intermediate
5 1/2"	15.5	8 rd	J-55	8185	Blanco				Liner
1 1/2"	1.25	8 rd	J-55	6017	Blanco				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"	125	110	circulated		
7 5/8"	3985	165	single		
5 1/2"	3880-6075	216	single		

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 6014-18,5988-92,5972-76,5504-08,5184-44(3 SPP);						Free w/73,532 gallons water, 78,000# sand. In 52 BPM. Max pr 2350#, tr pr 400-2350#. 5 drops of 12 balls.

TOOLS USED

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

DATES

11-13, 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 2,376,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1142-esp. A.O.F. 2448

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3103	3103	Tan to gry cr-grn ss interbedded w/gry sh.
3103	3281	178	Ojo Alamo ss. White cr-grn s.
3281	3488	207	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3488	3723	235	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, finegrn ss.
3723	3866	143	Pictured Cliffs forms. Gry, fine-grn, tight, varicolored soft ss.
3866	5464	1598	Lewis form. Gry, fine-grn, dense sil ss.
5464	5533	69	Cliff House ss. Gry, fine-grn, dense sil ss.
5533	5892	359	Menefee form. Gry, fine-grn s, carb sh & coal.
5892	6036	144	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
6036	6075	39	Mancos form. Gry carb sh.