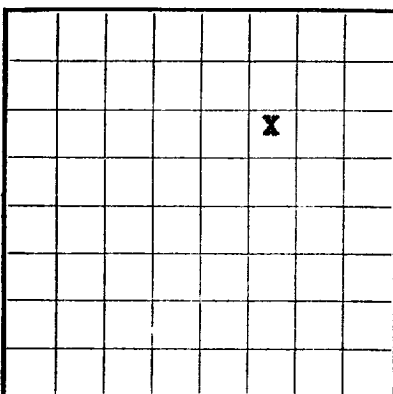




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078096
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Ridge Field Blanco State New Mexico
Well No. 13 Sec. 20 T. 31N R. 11W Meridian NMPM County San Juan
Location 1500 ft. SEC of N Line and 1715 ft. SECK of E Line of Section 20 Elevation 6156
(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 J. F. J. J. J.Date April 4, 1955 Title Petroleum Engineer

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

Commenced drilling February 26, 1955 Finished drilling March 13, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2730 to 2799 No. 4, from 4928 to 5115
No. 2, from 4340 to 4545 No. 5, from _____ to _____
No. 3, from 4545 to 4928 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 joined from	Perforated		Purpose
							From	To	
9 5/8"	25.4#	S.W.	Armedo	161'	Howco				Surface
7"	23.4#	S.W.	Howco	161'	Howco				Surface
7"	23.4#	S.W.	Howco	161'	Howco				Surface
2"	4.7#	S.W.	Youngstown	5100'					Prod. Log.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	174'	125	Circulated		
7"	4904'	500	Single 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
		See Well History				

TOOLS USED

Rotary tools were used from 0 feet to 4904 feet, and from 4904 feet to 5130 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

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 2,282,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1036

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	702	702	Tan cr-grn ss w/thin sh breaks.
702	940	238	Variegated sh w/thin ss breaks.
940	1114	174	Tan to gry cr-grn ss interbedded w/gry sh.
1114	1128	14	Ojo Alamo ss. White cr-grn ss.
1128	2216	1088	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2216	2730	514	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2730	2799	69	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2799	4340	1341	Lewis form. Gry to white dense sh w/silty to shaly ss breaks.
4340	4545	205	Cliff House ss. Gry, fine-grn, dense sil ss.
4545	4928	383	Manatee form. Gry, fine-grn s, carb sh and coal.
4928	5115	187	Point Lookout form. Gry, very fine sil ss, w/frequent sh breaks.
5115	5130 T.D.	15	Mancos formation. Gry carb sh.

FROM

TO

JOINT FEET

[OVER]

FORMATION

16-48094-3

FORMATION RECORD—CONTINUED

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

[illegible]

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

(D) not stated

03	mon, 1.6%	03	mon, 1.6%
03	mon, 5.6%	03	mon, 5.6%
03	mon, 9.6%	03	mon, 9.6%

No. 807

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reworking, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If pumps or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

U. S. GOVERNMENT PRINTING OFFICE

[illegible]