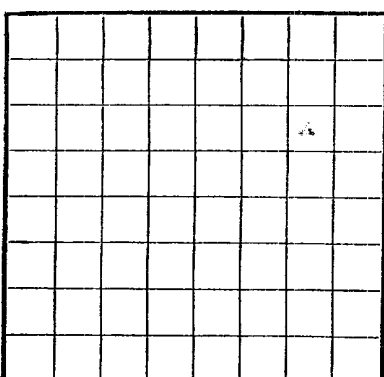


U. S. LAND OFFICE Santa FeSERIAL NUMBER 66610

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 997, Farmington, New Mexico
Lessor or Tract Merfano Unit Field W. Kite P.C. Ext. State New Mexico
Well No. 89 Sec. 29 T. 27N R. 10W Meridian NMPM County San Juan
Location 1500 ft. N of S Line and 1013.2 ft. W of E Line of Section 29 Elevation 6000
(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 W. F. CourtDate January 7, 1957Title Petroleum Engineer

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

Commenced drilling 11-19-56, 19____ Finished drilling 11-27-56, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1722 to 1800 (G) No. 4, from _____
No. 2, from _____ to _____ No. 5, from _____
No. 3, from _____ to _____ No. 6, from _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____
No. 2, from _____ to _____ No. 4, from _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
5 5/8"	25.4	8	S.E.	121'	Howe				Surface
5 1/2"	19.5	8	S.E.	1790'	Howe				Production
Pulled 700' 5 1/2" casing.									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5 5/8"	131'	100	Circulated		
5 1/2"	100'	150	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 _____ feet to 1800 feet, and from _____ feet to _____ feet

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

DATES

11-19-56, 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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	660	660	tan to gry cr-grn s.
660	820	160	Ojo Alamo ss. white cr-grn s.
820	1455	627	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
1455	1722	267	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
1722	1800	80	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.

(OVER)

16-43094-4

FORMATION RECORD—Continued

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, 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 plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

11-21-56 T.D. 1805. Recovered crabs per 1/2-1/4 with 1/2-1/4 water treated with 20,000 gals. water & 25,000 gals. salt. 3/500, net. pr. 3000. It. pr. 1500. 1 R. 00.5 B.M. Flank 3000 gallons. Int. 3/500, net. George Mrs. after time 310 MORT.

1. Comment plus 1150-1250 with 25 ex.
11-12-50-50.
Dist 3
Out Com Com

2. Filled 100% of 2 containers.
3. Cement plus 750-850 with 25 SX.
4. Cement plus 15 - surface with 25 SX.
5. Left 4" x 4" pipe marker.

...and the ...

1. *Handwritten signature*

1. The first of these is the fact that the United States is a democratic country, and that the United States is a democratic country.

[illegible]

CONFIDENTIAL

FOR OFFICIAL USE ONLY

SECRET

