

U. S. LAND OFFICE

Santa Fe

SERIAL NUMBER

080069

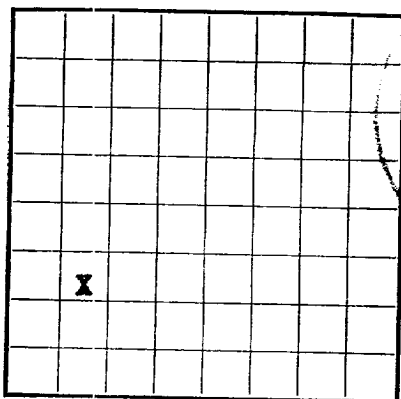
LEASE OR PERMIT TO PROSPECT

UNITED STATES

OCT 28 1960

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
Lessor or Tract San Juan 29-5 Unit Field Blanco Mesa Verde State New Mexico
Well No. 48-15 Sec. 15 T 29-N R. 5 W Meridian N.M.P.M. County Rio Arriba
Location 1650 ft. N. of S Line and 990 ft. E. of W Line of Sec. 15 Elevation 6781
(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 By: D.H. GheimDate October 24, 1960Title Petroleum Engineer

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

Commenced drilling 6-24-, 19 60 Finished drilling 8-24-, 19 60

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3608 to 3790 (G) No. 4, from 5902 to 6085 (G)
No. 2, from 5610 to 5667 (G) No. 5, from _____ to _____
No. 3, from 5667 to 5902 (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	Curt and pulled from	Perforated		Purpose
							From—	To—	
10 3/4"	58.75	8 Rd.	J-55	6050	Baker				intermediate
7 5/8"	26.4	8 Rd.	J-55	2271	Baker				intermediate
5 1/2"	19.5	8 Rd.	J-55	2271	Baker				intermediate
HISTORY OF OIL OR GAS SANDS									
2"	4.7	8 Rd.	J-55	6050					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"	132	90	circulated		
7 5/8"	3928	120	single stage		
5 1/2"	3867-6138	220	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 3928 feet, and from 3928 Gas Drilled 6149 feet

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

DATES

8-23-, 19 60 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 3,307,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1151 A.O.F. - 4612 MCF/D

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Undev.	3100	3100	Ojo Alamo ss. White cr-grn s.
3100	3359	259	Kirtland form Gry sh interbedded w/tight gry fine-grn ss.
3359	3608	249	Fruitland form Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3608	3790	182	Pictured Cliffs form Gry, fine-grn, tight, varicolored soft ss.
3790	5610	1820	Lewis form. Gry, fine-grn, dense sil ss.
5610	5667	57	Cliff House ss. Gry, fine-grn, dense sil ss.
5667	5902	235	Mensfee form. Gry, fine-grn s, carb sh & coal.
5902	6085	183	Point Lookout form. Gry, very fine sil ss w/ frequent sh breaks.
6085	6149	64	Mancos form. Gry carb sh.

(OVER)

FORMATION RECORD—Continued

16-48094-4

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[illegible]

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

100-443610-1000

If the system is the user is for the condition of the system.

Diebstahl aus der Kasse

5892-5898;
5910-5918;
5930-5938;
5944-5950;
5960-5975;
5996-6006;
6042-6048;

Water Trac Lookout pits w/69,888 gal water & 60,000 # sand.
 BHP 1900 #, 2000 #, 2500 #, 1200-1400-1800-2800 #. IR-72
 BHM. Flush 9912 gallons. Dropped 4 sets of 15 balls each 5 stages.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of feeding, together with the amount fed, the condition of the well and its contents. If there were any changes made in the casing state fully, and if any casing was

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FORMATION RECORD—Continued