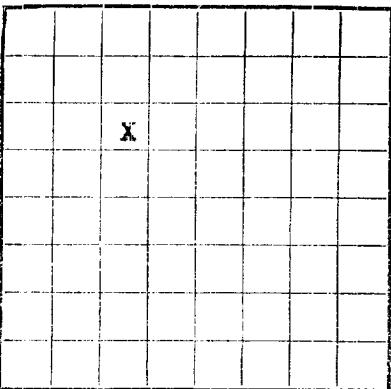
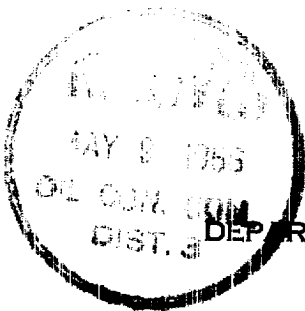




LOCATE WELL CORRECTLY



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 077107-E
LEASE OR PERMIT TO PROSPECT _____

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Michener Field Wildcat State New Mexico
Well No. 2 Sec. 15 T. 28N R. 9W Meridian NMPM County San Juan
Location 1453 ft. xxx of N Line and 1650 ft. xxx of E Line of Section 15 Elevation 6027.1
(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 [Signature]

Date April 3, 1956 Title Petroleum Engineer

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

Commenced drilling February 29, 1956 Finished drilling March 11, 1956

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

No. 1, from 2345 to 2404 G No. 4, from _____ to _____
No. 2, from _____ to _____ 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"	25.44	P.E.	S.W.	121'	Hovers				Surface.
5 1/2"	15.50	8 RD	J-55	2334'	inker				Prod. Cas.
1 1/4"	2.34	8 RD	Grade 2	2389'					Prod. Cas.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	133'	100	Circulated		
5 1/2"	2344'	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 0 feet to 2343 feet, and from _____ feet to _____ feet
Cable tools were used from 2343 feet to 2404 feet, and from _____ feet to _____ feet

DATES

March 13, 1956 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 Absolute Open Flow 2,554,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 757

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	225	225	Tan cr-grn ss w/thin sh breaks.
225	525	300	Variegated sh w/thin ss breaks.
525	1295	770	Tan to gry cr-gra ss interbedded w/gry sh.
1295	1415	120	Ojo Alamo ss. White cr-grn ss.
1415	2095	680	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2095	2345	250	Fruitland form. Dry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2345	2404 T.D.	59	Pictured Cliff form. Gry, fine-grn, tight, varicolored soft ss.

FORMATION RECORD—Continued[illegible]

HISTORY OF OIL OR GAS WELL

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

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 bailing.

3-11-56 T.D. 2404'. After fractured Pictured Cliff from 2345' to 2404' with 41,000 gallons water and 60,000# sand. BDP 1400#, maximum pressure 1450#, average treating pressure 1400#. Injection rate 62.3 bbls./min. Flush 3076 gallons. Natural gas PSTM.

SECRET

PHOTOGRAPH BY BOB

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DATE : 15/04/2015 TO 25/04/2015

CASE STUDY

1. *Chlorophyll a* (Chl *a*)

1967 15 31-32*
 1968 15 31-32*