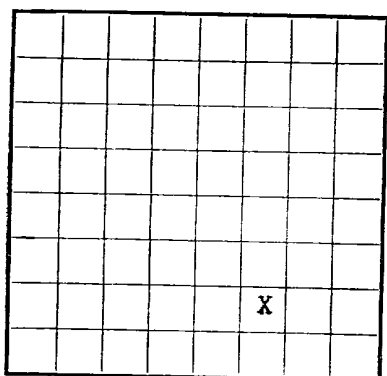




LOCATE WELL CORRECTLY

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078835-A

LEASE OR PERMIT TO PROSPECT
14-08-001-459

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JUL 11 1955
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 San Juan 23-7 Unit Field So. Blanco State New Mexico
Well No. 37 Sec. 6 T. 27N R. 7W Meridian NMPM County Rio Arriba
Location 1190 ft. [N.] of [S.] Line and 1700 ft. [W.] of [E.] Line of Section 6 Elevation 6702'
(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 D. L. EdwardsDate July 8, 1955Title Petroleum Engineer

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

Commenced drilling May 6, 19 55 Finished drilling May 21, 19 55

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3253 to 3322 (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	25.4	P.E.	S.L.	121'	Howco				Surface
5 1/2	15.30	8 RD	Sta. 316	3246'	Howco				Perforated
1	1.63	10 RD	Sta. 316	3317'					Perforated

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	3256'	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

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

May 23, 19 55 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 2,326,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 991

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1215	1215	Tan cr-grn ss w/thin sh breaks.
1215	2085	870	Variegated sh w/thin ss breaks.
2085	2395	310	Tan to gry cr-grn ss interbedded w/gry sh.
2395	2482	87	Ojo Alamo ss. White cr-grn s.
2482	2931	449	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2931	3253	322	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
3253	3322 T.D.	69	Pictured Cliffs form Gry, fine-grn, tight, varicolored soft ss.

FORMATION RECORD—Continued[illegible]

HISTORY OF OIL OR GAS WELL

16-43004-2 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.

May 22, 1955. Total Depth 3322'. Sandoil fracture Pictured Cliffs from 3246' to 3322' with 8,240 gallons oil & 10,800# sand. Breakdown pressure 900 psi, maximum pressure 1000 psi, minimum pressure 500 psi, Injection rate 26.0 bbls./min. Flush 3360 gallons. Natural gas 58 MCF/D.

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OIL OR OIL FIELD OR ZONE?

СРЕДНОГОДОВНИЙ ПРОЦЕНТ РАСТЕНИЯ В РАЙОНАХ РАБОТЫ

The condition on the image ρ for the condition of the map is proved as:

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

The maximum value obtained by substituting the value of the maximum work rate of man in the equation

$$W = \frac{0.07}{\sqrt{\tau}} \quad (1)$$

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