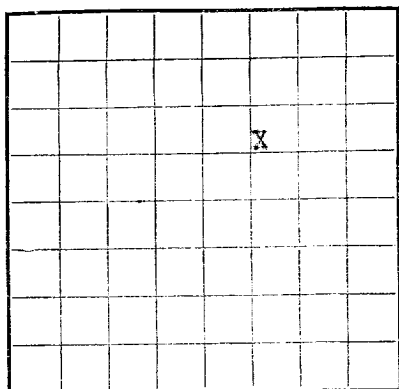


U. S. LAND OFFICE New Mexico
SERIAL NUMBER 010989
LEASE OR PERMIT TO PROSPECT _____

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 Fields Field Blanco State New Mexico
Well No. 4 Sec. 28 T. 32N R. 11W Meridian MEM County San Juan
Location 1488 ft. S. of N Line and 1426 ft. E. of E Line of Section 28 Elevation 6333'
(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 _____

Date December 13, 1954 Title Petroleum Engineer

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

Commenced drilling January 14, 1954 Finished drilling November 14, 1954

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3040 to 3115 (G) No. 4, from 5343 to 5475 (G)
No. 2, from 4705 to 4954 (G) No. 5, from _____ to _____
No. 3, from 4954 to 5343 (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	Cut and pulled from	Perforated		Purpose
							From--	To--	
9 5/8	25.4	3.4	Grace	159	Armed				Surface
7	23	3.4	Grace	1966	Armed				Prod. Log.
7	23	3.4	Grace	1966	Armed				Prod. Log.
2	4.7	3 RD	Youngstown	5451					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	171	125	Circulated		
7	4697	50	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

Gas Drilling

Rotary tools were used from _____ feet to 4697 feet, and from 4697 feet to 5475 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

November 13, 1954 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. _____

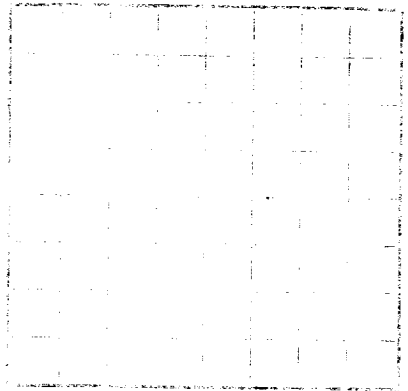
If gas well, cu. ft. per 24 hours 7,337,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1070

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	552	552	Tan cr-grn ss w/thin sh breaks.
552	1230	678	Variegated sh w/thin ss breaks.
1230	1940	710	Tan to gry cr-grn ss interbedded w/gry sh.
1940	2117	177	Ojo Alamo ss. White cr-grn s. Top 1940'.
2117	2560	443	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss. Top 2217'.
2560	3040	480	Fruitland form. Gry carb sh, scattered c als coals & gry, tight, fine-grn ss. Top 2650'.
3040	3115	75	Pictured Cliff s form. Gry, fine-grn, tight, varicolored soft, ss. Top 3040'.
3115	4705	1590	Lewis form. Gry to white dense sh w/silty to shaly ss breaks. Top 3115'.
4705	4954	249	Cliff House ss. Gry, fine-grn, dense sil ss. Top 4705'.
4954	5343	389	Menefee form. Gry, fine-grn s, carb sh and coal. Top 4954'.
5343	5475	132	Point Lookout form. Gry, very fine wil ss w/frequent sh breaks. Top 5343'.



ALL INFORMATION CONTAINED

1106 OF OIL OR GAS WELL.

43

PSYCHOLOGICAL SURVEY

REPORT SENT TO NEW YORK

231A-2 CATHOU

[illegible]

1. The first step in the process of the investigation is to determine the scope of the problem. This involves identifying the specific areas of concern and the potential causes of the problem. Once the scope is defined, the next step is to gather data and information relevant to the problem. This can be done through various methods, including interviews, surveys, and analysis of existing data. The third step is to analyze the data and information gathered to identify patterns and trends. This involves looking for correlations and causal relationships between different variables. The final step is to develop and implement a plan of action to address the problem. This plan should be based on the findings of the investigation and should be designed to prevent the problem from recurring.

Comments (delete) _____

The majority of this project has been completed and is being dated _____

Date submitted for review _____

This _____

SAKOT HO BONGA GAN VL JIO

Natural gas 162 MCF.
Total depth 5475'.
Sand-oil fracture point look out from 5325' to 5475' with 14,150 gallons oil and 10,000# sand, BOP 1200#, maximum pressure 1500#, IR 254 gal./min.
Natural gas 1630 MCF.
Total depth 5475'.

11-15-54, total depth 4957'.
Send oil fraction 11-17 house from 4957' to 4954' with 16,322 gallons oil and 12,211 lbs to sundry 222.576. Infection rate 6.8 bpts./min

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.

HISTORY OF OIL OR GAS WELL

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

[illegible]

FORMATION RECORD-Continued