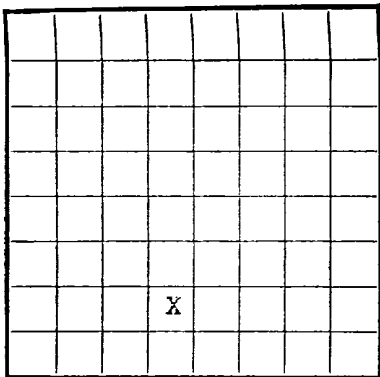
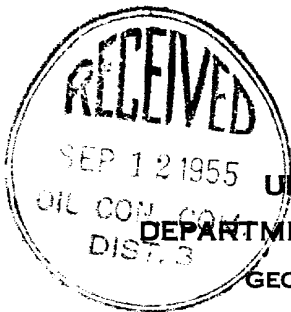


Form 9-330



LOCATE WELL CORRECTLY



U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078497-A
LEASE OR PERMIT TO PROSPECT ☒
14-08-001-459

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 San Juan 2-7 Unit Field Blanco State New Mexico
Well No. 31 Sec. 20 T. 2 N R. 7 E Meridian NMPM County Rio Arriba
Location 621 ft. N. of Line and 2024 ft. E. of Line of Section 20 Elevation 6001'
(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 E. S. Olney

Date August 4, 1955 Title Petroleum Engineer

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

Commenced drilling June 16, 1955 Finished drilling July 2, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2596 to 2660 (G) No. 4, from 4700 to 4900
No. 2, from 4230 to 4350 (G) No. 5, from _____ to _____
No. 3, from 4350 to 4700 (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	P.E.	S.W.	160'	Howco				Surface
7	20	8 RD	J-55	4137'	Baker				Prod. Csg.
2	4.7	8 RD	J-55	4889'					Prod. Csg.

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	4147'	500	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 4165 feet, and from 4165 feet to 4910 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

July 4, 1955 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 4,116,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1046

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	645	645	Tan cr-grn ss w/thin sh breaks.
645	1305	660	Variegated sh w/thin ss breaks.
1305	1725	420	Tan to gry cr-grn ss interbedded w/gry sh.
1725	1816	91	Ojo Alamo ss. White cr-grn s.
1816	2310	494	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2310	2596	286	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2596	2660	64	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2660	4230	1570	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4230	4350	120	Cliff House ss. Gry, fine-grn, dense sil ss.
4350	4700	430	Menefee form. Gry, fine-grn s, carb sh & coal.
4700	4910 T.D.	130	Point Lookout form. Gry very fine sil ss w/frequent sh breaks.

UNITED STATES
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OFF OF GAS STANDS OF TONES

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

U. S. GOVERNMENT PRINTING OFFICE

[illegible]