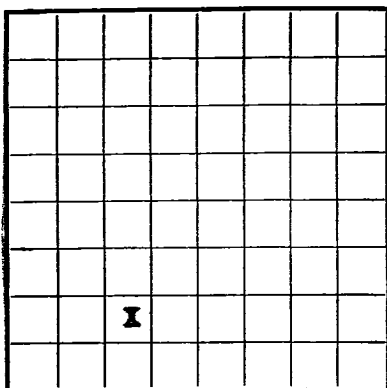
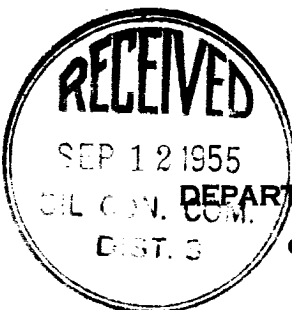




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079485
LEASE OR PERMIT TO PROSPECT 14-08-001-1056
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 30-4 Unit Field E. Blanco P.C. State New Mexico
Well No. 9 Sec. 16 T. 30N R. 4W Meridian NMPM County Rio Arriba
Location 990 ft. N. of S. Line and 1650 ft. E. of W. Line of Section 16 Elevation 7489'
(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 W. F. CourtDate August 4, 1955Title Petroleum Engineer

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

Commenced drilling June 18, 1955 Finished drilling July 10, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4249 to 4460 (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 foot	Make	Amount	Kind of shoe	Out and pulled from	Perforated	Purpose
9 5/8"	25.4#	P.E.	S.W.	127'	Howco			Surface
7"	20.0#	P.E.	S.W.	4252'	Howco			Production
1 1/4"	2.4#	10 RD	Grade B	4436'				Prod. Tag

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	137'	100	Circulated		
7"	4251'	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 0 feet to 4252 feet, and from 4252 feet to 4460 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing July 12, 1955

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 426,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1250

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	865	865	Tan cr-grn ss w/thin sh breaks.
865	1425	560	Variegated sh w/thin ss breaks.
1425	3600	2175	Tan to gry cr-grn ss interbedded w/gry sh.
3600	3831	231	Ojo Alamo ss. White cr-grn s.
3831	4071	240	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
4071	4249	178	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
4249	4460 T.D.	211	Pictured Cliffs frm. Gry, fine-grn, tight, varicolored soft ss.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

A blank sheet of white graph paper with a black border. The grid consists of 10 vertical columns and 8 horizontal rows, creating a total of 80 squares. The lines are thin and evenly spaced. There is no text or other markings on the page.

LOCATE WELL CORRECTLY

Commenced drilling _____, 19____. Finished drilling _____, 19____.

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

Date _____ Title _____

NO. 100-443887-100

(2) $\mathcal{A} \vdash_{\text{LTL}} \phi$ iff $\mathcal{A} \models \phi$.

No. 1 from	No. 1 from
No. 2 from	No. 2 from
No. 3 from	No. 3 from
No. 4 from	No. 4 from

IMPORTANT WATER SITES

1. $\text{mod } 2$ and $\text{mod } 3$ are the only moduli for which the congruence $x^2 \equiv 1 \pmod{m}$ has exactly two solutions.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, 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.

July 11, 1955 Total Depth 4460', Pictured cliffs treated interval 4252' - 4460'.
with 12,500 gallons #2 diesel oil and 30,000' sand (hard) breakdown pressure 9000', maximum pressure 9000', injection rate 25.8 bbls./min. fluid 1600 gallons.

Natural gas 36 MCF/D.
CASING RECORD

HISTORY OF OIL OR GAS WELL

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[illegible]

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