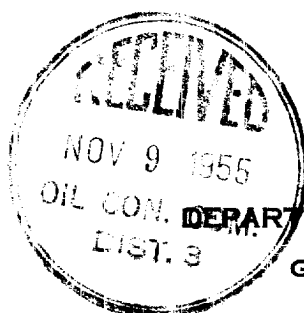


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U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 030213
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Rincon Unit Field No. Blanco P.C. State New Mexico
Well No. 34 Sec. 28 T. 27N R. 7W Meridian 10PM County Rio Arriba
Location 1581 ft. N. of S. Line and 1710 ft. E. of W. Line of Section 28 Elevation 6683 ft.
(Describe 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. C. Johnston

Date October 17, 1955 Title Petroleum Engineer

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

Commenced drilling June 2, 1955 Finished drilling June 15, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from ~~2980~~ to ~~3045 (G) TD~~ 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 RECORDS

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
5 5/8"	25.4#	P.E.	SW	121'	Howco				Surf Pipe
5 1/2"	17#	B 30	Capwell	272'	Howco				Prod. Coll.
1"	1.63#	10 RD	Std. Blk.	3025'					Prod. Pipe

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	131'	100	Circulated		
5 1/2	2981'	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 2982 feet, and from _____ feet to _____ feet

Cable tools were used from 2982 feet to 3015 feet, and from _____ feet to _____ feet

DATES

----- **June 16** -----, 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 771,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. ----- 850

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1180	1180	Tan cr-grn ss w/thin ss breaks.
1180	1710	530	Variegated sh w/thin ss breaks.
1710	2214	504	Tan to gry cr-grn ss interbedded w/gry sh.
2214	2338	124	Ojo Alamo ss. White cr-grn s.
2338	2717	279	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2717	2980	263	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2980	3054 T.D.	74	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.

FORMATION RECORD--Continued

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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.

June 16, 1955 Sandoil fractured Pictured Cliffs 8055 gallons of diesel oil.
 14,000 psi. Interval treated 297' - 3045'. Breakdown pressure
 1450 psi, treating pressure 1050 psi. Sandoil ratio: 1.50 #/gal. Injection
 rate 37.4 bbls./min. Flush 3050 gallons. Natural gas 60 MCF/D.

EMPLOYED BY THE UNITED STATES

$Z(0^+ 1^-) \text{ P}(\text{O}^0)$	PO	$Z(0^+ 1^-) \text{ P}(\text{O}^0)$	PO
$Z(0^+ 3^-) \text{ P}(\text{O}^0)$	PO	$Z(0^+ 3^-) \text{ P}(\text{O}^0)$	PO
$Z(0^+ 1^-) \text{ P}(\text{O}^0)$	PO	$Z(0^+ 3^-) \text{ P}(\text{O}^0)$	PO

OUT ON CYS BANDS OF ZONES

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The signature on this page is for the condition of the work at above date.

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FOCALLE VERT CORRECTEA

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TOE OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

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SERIAL NUMBER

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