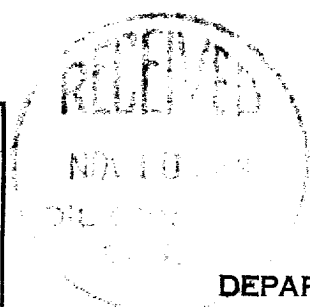


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U. S. LAND OFFICE **Jicarilla**
SERIAL NUMBER **Lease No. 64**
LEASE OR PERMIT TO PROSPECT _____
Jicarilla Tribal

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 **Jicarilla** Field **S. Blanco PC Ext** State **New Mexico**
 Well No. **10-E** Sec. **18** T. **25N** R. **4W** Meridian **N.M.P.M.** County **Rio Arriba**
 Location **1650** ft. **N** of **N** Line and **990** ft. **E** of **W** Line of **Sec. 18** Elevation **7438**
(Derrick 800' 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.

Date November 6th, 1958 Signed E. S. G. Givley
Title Senior Petroleum Engineer

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

Commenced drilling June 3rd 1958 Finished drilling July 4th 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

No. 1, from <u>3741</u> to <u>3788 (G)</u>	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

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	101	70	Pump & Plug		
5-1/2"	3836	150	" " "		

PLUGS AND ADAPTERS

Heaving plug—Material None Length _____ Depth set _____
Adapters—Material None Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		None				

TOOLS USED

Rotary tools were used from Surface feet to 3837 feet, and from _____ feet to _____ feet
Cable tools were used from to complete feet to _____ feet, and from _____ feet to _____ feet

Ran Tubing
August 20th, 1958

DATES
Put to producing
Potential Test
November 3rd, 1958

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 29,407,000 ^{AOE} Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 985 Open 3 hours through 3/4" choke on

EMPLOYEES 8. Choke volume 6,952 MCF/day
AOF 29,407 MCF/day

EMPLOYEES		ACF 29,407 MCF/day	
Benson-Montin-Greer	Driller		Driller
Drilling Corp.			
	Driller		Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	3590	3590	Surface sand and shale, Ojo Alamo, Kirtland and Fruitland formations
3590	3598	8	Coal
3598	3636	38	Shale
3636	3642	6	Coal
3642	2680	38	Shale
3680	3685	5	Coal
3685	3724	39	Shale
3724	3728	4	Coal
3728	3732	4	Shale
3732	3739	7	Coal
3739	3741	2	Shale
3741	3788	47	Sand
3788	3837	49	Shale
			TOP OF PICTURED CLIFFS 3741'

HISTORY OF OIL OR GAS WELL

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

6-3-58 Moved in to set surface casing. Spudded.

6-4-58 TD 1011 RKB. Set 5 joints 91' of 8-5/8" OD 24# J-55

6-23-58 Moved in rotary. Pressured up on casing to 500#. No pressure decrease in 30 minutes.

7-4-58 TD 38371 RKB. Set 94 joints 38261 of 5-1/2 OD 15.5# J-5 casing at 3856' with 150 sacks cement. Temperature survey showed top of cement at 2800'.

8-13-58 Moved in cable tools, pressured up on casing to 1000#. No pressure decrease in one hour.

8-15-58 TD 58371, cleaned out to 3800'. Perforated 3750-881

average injection rate 57.5 barrels per minute.

8-20-58 Run 37411 of 2-3/8" OD RHE tubing, landed at 3749' RKB. Shut well in for potential test.

117-61280-13-70 DOJ

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