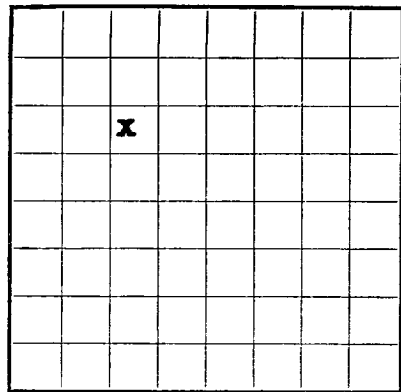




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **m Jicarilla**
SERIAL NUMBER **Contract 110**
LEASE OR PERMIT TO PROSPECT
Jicarilla TribalUNITED 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 **Jicarilla** Field **S. Blanco PC Ext** State **New Mexico**
Well No. **14-J** Sec. **18** T. **26N** R. **5W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **1565** ft. **[N]** of **N** Line and **1565** **[E]** of **W** Line of **Sec. 18** Elevation **6621**
(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 **[Signature]**
Date **December 30th, 1957** Title **Petroleum Engineer**

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

Commenced drilling **November 16th**, 19 **57** Finished drilling **November 29th**, 19 **57**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3095** to **3178** 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 inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8"	24#	8	J-55	24	Pattern				Surface
5-1/2"	15.5#	8	J-55	3208			3097	3123	Production
							3144	3160	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	103	70	Pump & Plug		
5-1/2"	3214	100	" " "		

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 **3215** feet, and from _____ feet to _____ feet
Cable tools were used from **to complete** feet to _____ feet, and from _____ feet to _____ feet

Run Tubing

December 15th, 19 **57**

DATES

Potential Test

Put to producing **December 24th**, 19 **57**

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 **1,720,000** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **1015**

EMPLOYEES

Benson-Montin-Greer, Driller
Drilling Corp., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	3017	3017	Surface sand and shale, Ojo Alamo, Kirtland and Fruitland formations
3017	3021	4	Coal
3021	3038	17	Shale
3038	3042	4	Coal
3042	3078	36	Shale
3078	3091	13	Coal
3091	3095	4	Shale
3095	3215	120	Sand
			TOP OF PICTURED CLIFFS (EL) 3095'

FROM—	TO—	TOTAL FEET	FORMATION
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[illegible]

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

11-16-57 Moved in shothole rig to set surface casing. Spudded.

11-18-57 TD 103' RMB Set 3 joints 94' of 8-5/8" OD 24# J-55 casing at 103' with 70 sacks cement.

11-22-57 Moved in rotary. Pressured up on casing to 500# pressure decrease in 30 minutes.

J-55 casing at 3214' with 100 sacks cement. Temperature survey showed top of cement at 2960'.

12-13-57 Moved in cable to be processed on casing to 1000'. No pressure decrease in one hour.

12-14-57 WD 1815. Cleaned out to 2178. Perforated 3097-3123. and 3144-3160 with 4 shots per foot. Sandraced with

50,000# sand, flushed with 5,400 gallons water.
Breakdown pressure 2000#, treating pressure 1800-2000#.

12-15-57 Ram 100 Johns 5123 of 1-1/4" EUE tubing landed at 3131 BKB shut well in for potential test