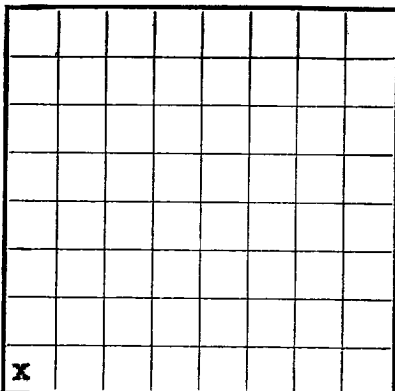
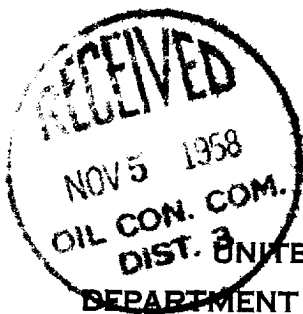




LOCATE WELL CORRECTLY



Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE **Jicarilla**
SERIAL NUMBER **Contract 108**
LEASE OR PERMIT TO PROSPECT _____
J1 RECEIVED
DEPARTMENT OF THE INTERIOR NOV 4 1958
GEOLOGICAL SURVEY S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

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. **11-9** Sec. **13** T. **26N** R. **5W** Meridian **N.M.P.M.** County **Rio Arriba**Location **560** ft. [N.] of **S** Line and **560** ft. [E.] of **W** Line of **Sec. 13** Elevation **6699**
(Derrick floor relative to sea level)

The information given here with this log 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 28, 1958** Title **Senior Petroleum Engineer**

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

Commenced drilling **September 3rd**, 19**58** Finished drilling **October 5th**, 19**58**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3262** to **3321 (4)** 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	86	—	—	—	—	Surface
5-1/2"	15.5#	8	J-55	100	Pattern	3270	3270	3281	Production
							3291	3302	
							3311	3321	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	95	70	Pump & Plug		
5-1/2"	3376	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 **3377** feet, and from _____ feet to _____ feetCable tools were used **to complete** feet to _____ feet, and from _____ feet to _____ feet

Ran Tubing

October 13th, 19**58**

DATES

Potential Test

Put to producing **October 30th**, 19**58**

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment.

If gas well, cu. ft. per 24 hours **3,192** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **1045**

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	3207	3207	Surface sand and shale, Ojo Alamo, Kirtland and Fruitland formations
3207	3211	4	Coal
3211	3230	19	Shale
3230	3236	6	Coal
3236	3244	8	Shale
3244	3254	10	Coal
3254	3262	8	Shale
3262	3321	59	Sand
3321	3377	56	Shale

TOP OF PICTURED CLIFFS (EL) 3262'

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DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY 2. GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

[illegible]

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 any casing was "side-tracked" or left in the well, give its size and location. If the well has been dynamited, give date, 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.

9-3-58 Moved in to set surface casing. Spudded.

9-4-58 ID 95' RKB. Set 3 joints 86' of 8-5/8" OD 24# J-55 casing at 95' with 70 sacks cement, circulated to surface.

9-27-58 Moved in rotary. Pressured up on casing to 500#. No pressure decrease in 30 minutes.

10-5-58 ID 337' RKB. Set 82 joints 336 1/2" of 5-1/2" OD 15.5# J-55 casing at 337' with 100 sacks cement. Temperature survey showed top of cement at 2660'.

10-11-58 Moved in 6 1/2" rods. Pressured up on casing to 1000#. No pressure decrease in one hour.

10-12-58 ID 337' RKB. Cleaned out to 332', perforated 327'-81', 3291'-3303', 3311'-21' with 4 shots per foot. Sandraced with 25,000 gallons water and 50,000# sand, finished with 4,000 gallons water. Breakdown pressure 1000#. Testing pressure 1400-2900#. Dropped 80 rubber balls in two hours during treatment of average injection rate 2.60-2 barrels per minute.

10-14-58 Ran 174 joints 337' of 5-1/4" RUC casing landed at 3324' RKB. Shut well in for potential test.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]

FORMATION RECORD—Continued