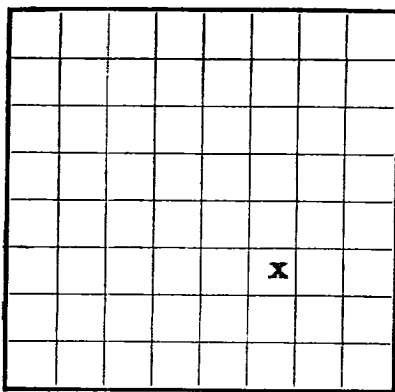




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Jicarilla**
SERIAL NUMBER **Lease No. 41**
LEASE OR PERMIT TO PROSPECT
Jicarilla Tribal
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 **Jicarilla** Field **S. Blanco PC Ext.** State **New Mexico**
Well No. **4-D** Sec. **29** T. **25N** R. **4W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **1650** ft. N. of **S** Line and **1775** ft. E. of **E** Line of **Sec. 29** Elevation **6901**
(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.

Date **December 22nd, 1958** Signed **[Signature]** **Division Petroleum Engineer**The summary on this page is for the condition of the well at above date.
Commenced drilling **October 11th, 1958** Finished drilling **November 7th, 1958**

OIL OR GAS SANDS OR ZONES

No. 1, from **3026** to **3164 (G)** No. 4, from _____ to _____
No. 2, from **3026** to **3164** 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 back	Perforated		Purpose
							From—	To—	
8-5/8"	24#	8	J-55	24	-	-	-	-	Surface
5-1/2"	16#	8	J-55	100	-	-	3102	3164	Production
HISTORY OF OIL OR GAS WELL								3156	3164

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	105	70	Pump & Plug		
5-1/2"	3216	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 **3217** feet, and from _____ feet to _____ feet
Cable tools were used from **to complete** feet to _____ feet, and from _____ feet to _____ feetRan Tubing
December 5th, 19 **58**

DATES

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 **2,495,000** Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. **976** Open **3 hours** through **3/4"** choke on casing. Choke volume **2,397 MCF/day**.
AOF **2,495 MCF/day**.

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	3027	3027	Surface sand and shale, Ojo Alamo, Kirtland and Fruitland formations
3027	3031	4	Coal
3031	3056	25	Shale
3056	3063	7	Coal
3063	3077	14	Shale
3077	3087	10	Coal
3087	3096	9	Shale
3096	3164	68	Shale Sand
3164	3217	53	Shale
			TOP OF PICTURED CLIFFS (EL) 3096'

U.S. LAND OFFICE
SPECIAL NUMBER 123456789
PLEASE OR PERMIT TO PROSPECT
123456789

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON, D. C. 20548

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

[illegible][illegible]

12-4-58 Moved in cable tool. Pressured up on casing to 1000#. (Desired 1000 ft)
ON-OR GAS SANDS OR ZONES
no pressure decrease in one hour.

1-55 casing at 3216 ft 10 sacks cement

No. 3, from
pressure decrease in 3 minutes
to

No. 1, from _____ to _____ No. 3, from _____ to _____

coating at 1031 with 73 sacks cement, circulated to surface.

Size	Weight	Threads per inch	Spinning method	Perforated
10-15-58	10-15-58	10-15-58	10-15-58	10-15-58

[illegible]

It is of the greatest importance to have a complete mastery of the English language in order to be able to read and understand the literature of the subject. It is also of great importance to have a good knowledge of the principles of the subject, and to be able to apply these principles to the solution of problems. The student should also be able to write clearly and concisely, and to be able to give a logical and coherent account of his work.

HISTORY OF OIL OR GAS WELL

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Size casting	Weight of cement	Number sacks of cement	Method used	Mod. gravity	Amount of mud used
4x8	100	70	1 part & 5 lbs		
4x12	125	100			

FLINGS AND ADAPTERS

[illegible]

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from	feet to	feet, and from	feet to
Cable tools were used from	feet to	feet, and from	feet to

DATE

	December 1967	10-67
The production for the first 34 days was		
Lowest of District 10		
Put to producing		10

emulsion; and	% sediment	Gravimetric Be.

Rock pressure lbs. per sq. in. 2,400-2,500
If gas well, cu. ft. per 24 hours 2,400-2,500
Gallons gasoline per 1,000 cu. ft. of gas -----
Open 3 hours through 2 1/2" choke on -----

	EMPLOYEES	ESSAYS	ONE VOLUME 2 OF MCF 72.
Johnson-M. H. H. Green	Driller		FOR 2 OF MCF 72.

Driller	Driller
Driller	Driller

FORMATION RECORD

[illegible]

TOP OF PLOTTING SHEET (REV. 10-19-64)