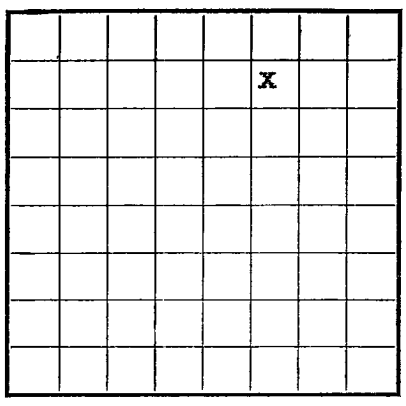
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

U. S. LAND OFFICE Jicarilla
SERIAL NUMBER Contract 109
LEASE OR PERMIT TO PROSPECT Jicarilla Tribal



LOCATE WELL CORRECTLY

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. 8-F Sec. 22 T. 26N R. 5W Meridian N. M. P. M. County Rio Arriba
Location 1190 ft. {N./S.} of N Line and 1650 ft. {E./W.} of E Line of Sec. 22 Elevation 6629
(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 D C Johnston

Date October 17th, 1957 Title Petroleum Engineer

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

Commenced drilling September 5th, 19 57 Finished drilling September 18th, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3110 to 3190 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 From—	Perforated To—	Purpose
8-5/8	24#	8	J-55	95	-	-	-	-	Surface
5-1/2	15.5#	8	J-55	3217	Texas Pattern		3115 3160	3140 3172	Production

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			

FOLD — MARK

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 ~~XX~~ to complete feet to ____ feet, and from ____ feet to ____ feet

DATES

Ran Tubing September 22nd, 19 57 Put to producing Potential Test October 1st, 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 3,895,000 Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. 1014

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	2912	2912	Surface sand and shale, Ojo Alamo, Kirtland and Fruitland formations
2912	2918	6	Coal
2918	3002	84	Shale
3002	3006	4	Coal
3006	3051	45	Shale
3051	3056	5	Coal
3056	3073	17	Shale
3073	3075	2	Coal
3075	3080	5	Shale
3080	3086	6	Coal
3086	3090	4	Shale
3090	3110	20	Coal
3110	3217	107	Sand
			TOP OF PICTURED CLIFFS 3110'

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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 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.

9- 5-57 Moved in shothole rig to set surface casing. Spudded.

9- 6-57 TD 105' RKB. Set 3 joints 95' of 8-5/8" OD 24# J-55 casing at 105' with 70 sacks cement, circulated to surface.

9-11-57 Pressured up on casing to 500#. No pressure decrease in 30 minutes.

9-18-57 TD 3217' RKB. Set 78 joints 3217' of 5-1/2" OD 15.5# J-55 casing at 3216' with 100 sacks cement. Temperature survey showed top of cement at 2130'.;

9-20-57 Moved in cable tools. Pressured up on casing to 1000#. No pressure decrease in one hour. Cleaned out to 3190'. Perforated 3115-40' and 3160-72' with 4 shots per foot. Sandfraced with 25,000 gallons water and 30,000# sand, flushed with 3,000 gallons water. Breakdown pressure 2400#, treating pressure 1500-1750#. Dropped 110 rubber balls halfway through treatment. Average injection rate 58.4 barrels per minute.

9-21-57 After 13 hours flowing 2,459 MCF/day.

9-22-57 Ran 107 joints 3171' of 1-1/4" EUE tubing landed at 3179' RKB Shut well in for potential test.