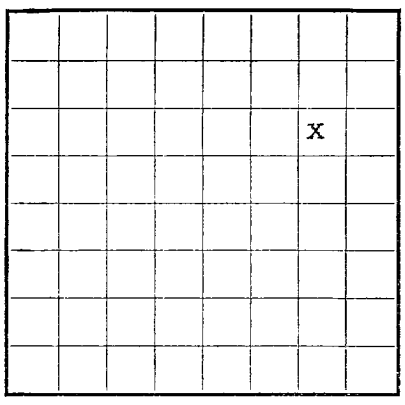
Form 9-330

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

U. S. LAND OFFICE Jicarilla
SERIAL NUMBER Contract 110
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, N.Mex.
Lessor or Tract Jicarilla Field S.Blanco PC Ext State New Mexico
Well No. 11-J Sec. 18 T. 26N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 1650 ft. {N. / S.} of N Line and 1190 ft. {E. / W.} of E Line of Sec. 18 Elevation 6815 (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 December 27th, 1957 Title Petroleum Engineer

The summary on this page is for the condition of the well at above date.
Commenced drilling November 14th, 1957 Finished drilling November 22nd, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3176 to 3263 (G) 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

RECEIVED DEC 30 1957 OIL CON. COM. DIST. 3

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	97	-	-	-	-	Surface
5-1/2"	15.5#	8	J-55	3292	Texas Pattern	-	3177 3231	3207 3251	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	107	70	Pump & Plug		
5-1/2	3299	100	" " "		

MARK

FOLD

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 3300 feet, and from feet to feet
Cable tools were used from to complete feet to feet, and from feet to feet

DATES

Ran Tubing December 13th, 1957 Put to producing Potential Test December 24th, 1957

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 2,605,000 Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. 1043

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	3090	3090	Surface sand and shale, Ojo Alamo, Kirtland and Fruitland formations
3090	3100	10	Coal
3100	3112	12	Shale
3112	3116	4	Coal
3116	3158	42	Shale
3158	3172	14	Coal
3172	3176	4	Shale
3176	3300	124	Sand
			TOP OF PICTURED CLIFFS (EL) 3176'

AT THE [illegible]

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.

11-14-57 Moved in shothole rig to set surface casing. ~~Spudded~~.

11-15-57 TD 107' RKB. Set 3 joints 97' of 8-5/8" OD 24# J-55 casing at 107' with 70 sacks cement, circulated to surface.

11-16-57 Moved in rotary. Pressured up on 8-5/8" casing to 500#. No pressure decrease in 30 minutes.

11-28-57 TD 3300' RKB. Set 103 joints 3292' of 5-1/2" OD 15.5# J-55 casing at 3299' with 100 sacks cement. Temperature survey showed top of cement at 2375'.

12-11-57 Moved in cable tools.

12-12-57 Pressured up on 5-1/2" casing to 1000#. No pressure decrease in one hour. Cleaned out to 3263'. Perforated 3177-3207' and 3231-3251' with 4 shots per foot. Sandfraced with 24,600 gallons water mixed 1% calcium chloride, and 30,000# sand, flushed with 3,400 gallons water. Breakdown pressure 1000#, treating pressure 1500-2150#. Used 130 rubber balls during treatment. Average injection rate 58.4 barrels per minute.

12-13-57 Ran 104 joints 3249' of 1-1/4" EUE tubing landed at 3257' RKB. Shut well in for potential test.