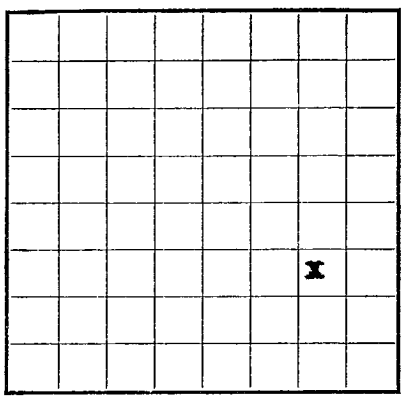
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

U. S. Land Office Jicarilla
Serial Number Contract 108
Lease or Permit to Prospect Jicarilla Tribal



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
AUG 6 1958
U. 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. 4-G Sec. 24 T. 26N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 1650 ft. {N./S.} of S Line and 990 ft. {E./W.} of E Line of Sec. 24 Elevation 6612
(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 Thurlow
Date August 5th, 1958 Title Petroleum Engineer

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

Commenced drilling June 24th, 19 58 Finished drilling July 12th, 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3152 to 3208 (G) No. 4, from ____ to ____
No. 2, from ____ to ____ No. 5, from ____ to ____
No. 3, from ____ to ____ No. 6, from ____ to ____

RECEIVED
AUG 7 1958
OIL CON. COM.
DIST. 3

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	129	-	-	-	-	Surface
5-1/2"	15.5#	8	J-55	3257	Texas Pattern	-	3156	3168	Production
							3178	3188	
							3198	3208	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	139	90	Pump & Plug		
5-1/2"	3257	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 3259 feet, and from ____ feet to ____ feet
Cable tools were used from to complete feet to ____ feet, and from ____ feet to ____ feet

DATES

Ran Tubing July 20th, 1958
Potential Test Put to producing July 31st, 1958

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 3,938 Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. 1034

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	3024	3024	Surface sand and shale, Ojo Alamo, Kirtland and Fruitland formations
3024	3035	11	Coal
3035	3041	6	Shale
3041	3045	4	Coal
3045	3090	45	Shale
3090	3098	8	Coal
3098	3110	12	Shale
3110	3116	6	Coal
3116	3152	36	Shale
3152	3208	56	Sand
3208	3259	51	Shale
			TOP OF PICTURED CLIFFS 3152' (EL)

AT THE END OF COMPLETE DRILLER'S LOG, ADD GEOLOGICAL [illegible] STATE WHETHER FROM [illegible] SAMPLES.

[OVER]

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.

6-24-58 Moved in to set surface casing. Spudded.

6-25-58 TD 139' RKB. Set 5 joints 129' of 8-5/8" OD 24# J-55 casing at 139' with 90 sacks cement, circulated to surface.

7- 7-58 Moved in rotary. Pressured up on casing to 700#. No pressure decrease in 30 minutes.

7-12-58 TD 3259' RKB. Set 77 joints 3257' of 5-1/2" OD 15.5# J-55 casing at 3257' with 100 sacks cement. Temperature survey showed top of cement at 2400'.

7-16-58 Moved in cable tools. Pressured up on casing to 1000#. No pressure decrease in one hour.

7-18-58 Cleaned out to 3220'. Perforated 3156-68', 3178-88', 3198-3208' with 4 shots per foot. Treated perforations with 200 gallons MCA. Sandfraced with 22,890 gallons water and 30,000# sand, flushed with 3,360 gallons water. Breakdown pressure 1600#, treating pressure 1300-2200#. Dropped 80 rubber balls in two stages during treatment. Average injection rate 59.5 barrels per minute.

7-20-58 Ran 107 joints 3200' of 1-1/4" EUE tubing landed at 3208' RKB. Shut well in for potential test.