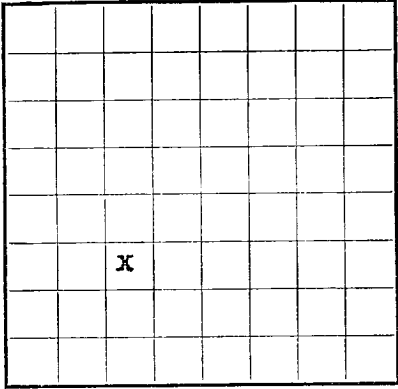




LOCATE WELL CORRECTLY

Jicarilla
U. S. LAND OFFICE
SERIAL NUMBER Contract 110
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 907, Farmington, N. Mex.
Lessor or Tract Jicarilla Field S. Blanco PC Ext State New Mexico
Well No. 12-J Sec. 17 T. 26N. R. 5W Meridian N.M.P.M. County Rio Arriba
Location 1650 ft. N. of S Line and 1650 ft. E. of W Line of S. 17 Elevation 6692
(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 Dr. 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 October 29th, 1957 Finished drilling November 7th, 1957

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 1118 to 3225 (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 _____

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	33	-	-	-	-	Surface
5-1/2"	15.5#	8	J-55	253	Texas Pattern	-	5151	5173	Production
							5190	5208	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	10	70	Pump & Plug		
5-1/2"	260	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 3261 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 Potential Test Put to producing 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 4,300,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1027

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	3067	3067	Surface sand and shale, Ojo Alamo, Kirtland and Fruitland formations
3067	3071	4	Coal
3071	3082	11	Shale
3082	3086	4	Coal
3086	3118	32	Shale
3118	3125	7	Coal
3125	3138	13	Shale
3138	3261	123	Sand
			TOP OF PICTURED CLIFFS (SL) 3138'

[illegible]

10-29-57 Moved in shothole rig to set surface casing. Spudded.
TD 107' RKB Set joints 31 of 8-5/8" OD 2 1/2" J-55 casing at 107' with 70 sacks cement, circulated to surface.
10-30-57 Moved in rotary. Pressured up on casing to 5000' No pressure decrease in 30 minutes.
11-7-57 TD 3261' RKB Set joints 257 of 5-1/2" OD 15.5 J-55 casing at 3260' with 100 sacks cement.
12-7-57 Moved in cable tools. Pressured up on casing to 1000' No pressure decrease in one hour.
12-8-57 Cleaned out to 3285'. Perforated 319-317' and 3190-3208' with 4 shots per foot. Sandfraced with 24,600 gallons water and 30,000# sand, flushed with 3,400 gallons water. Breakdown pressure 2500#, treating pressure 1600-1900#. Dropped 100 rubber balls during treatment. Average injection rate 62 barrels per minute.
12-9-57 Ran 101 joints 316 1/4" of 1-1/4" EUE tubing landed at 1721' RKB. Shut well in for potential test.

12-8-57	Cleaned out to 225'. Perforated 319-3175' and 3190-3208' with 4 shots per foot. Sandraced with 24,600 gallons water and 30,000# sand, flushed with 5,400 gallons water. Breakdown pressure 2500#, treating pressure 1600-1900#. Dropped 100 rubber balls during treatment. Average injection rate 62 barrels per minute.
12-9-57	Ran 101 joints 3164' of 1-1/4" EUE tubing landed at 172'. RKB. Shut well in for potential test.