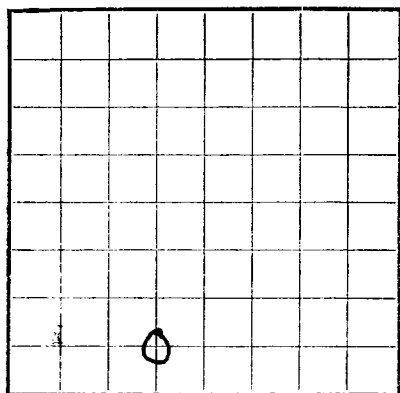


Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078477
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Western Natural Gas Company Address 823 Midland Tower, Midland, Texas
Lessor or Tract Nordhaus-Federal Field Undesignated State New Mexico
Well No. 1 Sec. 18 T. 25N R. 7W Meridian NTPM County Rio Arriba
Location 1085 ft. N of S Line and 1650 ft. E of W Line of Sec. 18 Elevation 6492.86 G.L.
(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 [Signature]
Date February 14, 1957 Title Office Manager

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

Commenced drilling 11-24-56, 19____ Finished drilling 12-2-56, 19____

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

No. 1, from 2166 to 2172 G No. 4, from _____ to _____
No. 2, from 2188 to 2210 G No. 5, from _____ to _____
No. 3, from 2228 to 2234 G 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
8 5/8	24	8	J-55	197	Plug	2166	2234	Surf flow
5 1/2	156	8	J-55	2073	Plug	2166	2234	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	2283	150	Pump & Plug		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 2299 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

12-29-56, 19____ 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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____ Absolute Potential = 8157.1 MCFPD on 3 hour flow
3/4" choke
Seven day buildup pressure 648.2 PSIA

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1625	1625	Sand with shale breaks
1625	2000	375	Shale with thin sand stringers
2000	2164	164	Sand, shale, and coal, broken
2164	2290	126	Sand with thin shale breaks (Picture Cliff)

Top Pictured Cliffs: 2164

