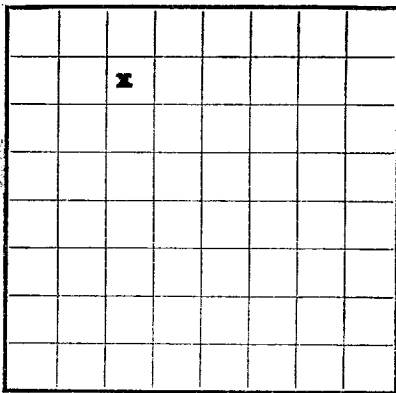


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF 078482
LEASE OR PERMIT TO PROSPECT

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 Graham-Federal Field Undesignated State New Mexico
Well No. 24-1 Sec. 24 T. 25N R. 8W Meridian NMPM County San Juan
Location 790 ft. N of N Line and 1850 ft. E of W Line of Sec. 24 Elevation 6579.68
(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 John B. ThomasDate February 15, 1957Title Office Manager

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

Commenced drilling 12-8-, 19 56 Finished drilling 12-15-, 19 56

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2198 to 2218 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS TO
No. 1, from _____ to _____ No. 2, from _____ to _____
No. 3, from _____ to _____ No. 4, from _____ to _____
No. 5, from _____ to _____ No. 6, from _____ to _____

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		104.35					Surface
5 1/2	19.5	8		104.35					2198

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	105.35	90	Pump & plug	8.5	
5 1/2	2316	150	Pump & plug	9.8	

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 2316 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

December 30, 19 56 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 - 11,032.0 thru a 3/4" choke

EMPLOYEES

Seven day buildup pressure - 634.4 psig
_____, Driller
_____, Driller
_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1600	1600	Sand with shale breaks
1600	1910	310	Shale with thin sand stringers
1910	2173	263	Sand, shale, & coal, broken
2173	2316	143	Sand with thin shale stringers (Pictured Cliffs)
			Top Pictured Cliffs - 2173'

[OVER]

16-48094-8

FORMATION RECORD—Continued