

[illegible]

LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **SF 078452**
LEASE OR PERMIT TO PROSPECT

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 10W County San Juan
Location 790 ft. N of N Line and 1830 ft. E of W Line of Sec. 24 Elevation 6579.68

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.

Date February 15, 1957 Title 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 12-11-, 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 _____

No. 1 from _____ to _____ No. 3 from _____ to _____
 No. 2 from _____ to _____ No. 4 from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-3/8	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 2315 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

-----, 19-----
December 30, **56**
 The production for the first 24 hours was ----- barrels of fluid of which ----- % was oil; ----- %
 emulsion; ----- % water; and ----- % sediment. Gravity. °Ré. -----
 Put to producing -----, 19-----

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 - 11.932.0 thru 4 3/4" ^{MCFPD}

EMPLOYEES

Seven-day buildup pressure - 634, 400 lb _____, 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'

Top Pictured Cliffs - 2173'

FORMATION RECORD—CONTINUED