

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **NM 078478**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Western Natural Gas Address 211½ W. Main, Farmington, N. Mex.
Lessor or Tract Marron Field So Blanco P.C. State New Mexico
Well No. 4 Sec. 27 T. 27N R. 8W Meridian NMPM County San Juan
Location 840 ft. XX of N Line and 790 ft. XX of W Line of Section 22 Elevation 6068 G.L.

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 Calvin M. Hayes
Date 11-11-58 Title Petroleum Engineer

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

Commenced drilling 9-12, 19 58 Finished drilling 10-12, 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2170 to 2200 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 458 to 500 No. 3, from 690 to 700
No. 2, from 525 to 565 No. 4, from 720 to 750

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"	25.65#	8	Gr"B"Snls	96'	None				Surface
5 1/2"	15.55#	8	Gr"B"Snls	96'	None				Production

HISTORY OF OUR COUNTRY

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	96'	70	Pump & Plug	- - -	- - -
5 1/2"	2260'	150	Pump & Plug	- - -	- - -

PLUGS AND ADAPTERS

Heaving plug—Material	Length	Depth set
Adapters—Material	Size	

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 0 feet to 2260 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 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 open flow - 5,223 MCFPD on 3 hr.

Sixteen day pressure build-up was 700 psig
_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1400	1400	Sd w/sh stringers
1400	1705	305	Sh w/sd stringers
1705	1860	155	Shale
1860	2170	310	Sh w/sd & coal stringers
2170	2200	30	Sand
2200	2260	60	Sd w/sh strks
			Top Pictured Cliffs 2172'

