

RECEIVED
SEP 22 1959
OIL CON. COM.
DIST. 3

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **SF 078475**
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 211 $\frac{1}{2}$ W. Main Farmington, N. Mex.
Lessor or Tract Stephenson-Federal Field Wildcat Dakota State New Mexico
Well No. 1 Sec. 17 T. 25N R. 8W Meridian NMPM County San Juan
Location 1650 ft. S. of N. Line and 1650 ft. E. of E. Line of Section 17 Elevation 6452 G.L.
(Derrick floor relative to bench mark)

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 9-21-59 Signed Calvin M. Hayes
Title Petroleum Engineer

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

Commenced drilling 8-17, 1959 Finished drilling 9-13, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6334 to 6358 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

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	202	150 sx w/2% CaCl ₂	Pump & Plug	- - -	- - -
5 1/2	6705	410 sx w/4% gel mixed w/235 sx	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 6705 feet, and from _____ feet to _____ feet.
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

-----9-21-----, 1959 Put to producing -----9-18-----, 1959

The production for the first 24 hours was 325 barrels of fluid of which 80% was oil; -% emulsion; 19% water; and 0% sediment. Gravity, °Béx 39.1°API

If gas well, cu. ft. per 24 hours ----- Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. ----- 2000-2500-3000-

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2003	2003	Shale and sand
2003	2050	47	Sand and coal
2050	2500	450	Gray shale and sand
2500	5680	3180	Gray, green & brown shale & gray sand
5680	6255	575	Gray and brown shale
6255	6305	50	Tan limestone and tan limey sand
6305	6325	20	Gray shale
6325	6650	325	Gray sand, gray shale, and coal
6650	6693	43	Gray shale
6693	6705	12	Gray sand
P.C.		2002'	
Lewis		2049'	
M.V.		2797'	
Cliff House		3550'	
Point Lookout		4312'	
Mances		4513'	
Niobara (Gallup)		5460'	
Sanastee		5925'	
Grnhorn		6256'	
Graneros		6323'	
1st Dakota		6408'	
Morrison		6649'	