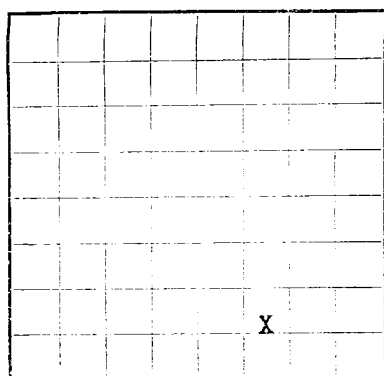


U. S. LAND OFFICE Santa Fe
 SERIAL NUMBER 74 05791
 LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

Company Western Natural Gas Address 2112 W. Main, Farmington, N. Mex.
 Lessor or Tract Graham Field So. Blanco P.O. State New Mexico
 Well No. 3 Sec. 10 T. 27N R. 8W Meridian NMPM County San Juan
 Location 1090 ft. N of S. Line and 1550 EX of E. Line of Section 10 Elevation 5912 G.L.
(Check minor relative to level)

Signed

Date 11-11-58

Title Petroleum Engineer

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

Commenced drilling 9-18, 1958 Finished drilling 10-14-, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2124 to 2210 G No. 4, from 1 to 1
No. 2, from 1 to 1 No. 5, from 1 to 1
No. 3, from 1 to 1 No. 6, from 1 to 1

IMPORTANT WATER SANDS

No. 1, from 560 to 570 No. 3, from _____ to _____
No. 2, from 595 to 615 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 5/8"	97'	70	Pump & Plug	- - -	- - -
5 1/2"	2226.91'	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 -----2226.91----- 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 = 10,425 MC per hr.
flow test across 3/4" choke.

fourteen day pressure build-up was **EMPLOYEES**

Fourteen day interval between _____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	310	310	Sd w/sh stringers
310	445	135	Shale
445	1665	1220	Sd w/sh stringers
1665	1885	220	Shale
1885	2124	239	Sh w/sd & coal stringers
2124	2210	86	Sand
2210	2227	17	Sh
			Top Pictured Cliffs 2126'

FORMATION RECORD—Continued

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Perforated 5 1/4" casing from 2134'-2166' w/1/4 jet holes/ft. Treated well w/60,000# of 20-40 mesh sand @ 36,730 gals water w/200 gals mud acid ahead. Broke down formation w/3200. Treated @ 1350'. Flushed w/2226 gals water. Overflushed w/524 gals. Average injection rate was 53 RPM. After flowing & cleaning well approx 48 hours, measured volume w/shot tube @ 9,662 RPM.

formation w/3200. Treated w/1350F. Flushed w/2226 pale water. Overlashed w/524 cals. Average injection rate was 53 RPM. After flowing & cleaning well approx 48 hours, measured volume w/circot tube @ 9,662 CC/PD.

Shut-in well for 10 days before conducting initial potential test. On

10-2-58 well was potentiatted for an absolute open flow of 10,426 WHP. (a)

Sub-1 in waiting on 100 lbs connection.