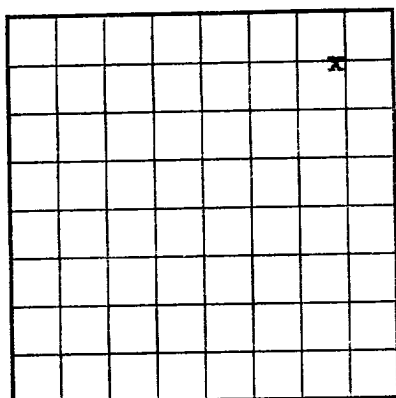


Form 9-380

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 054453
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 323 Midland Tower, Midland, Texas
Lessor or Tract J. H. Duthie Field Langlie Mattix State New Mexico
Well No. 2 Sec. 19 T. 23S R. 37E Meridian NM County Lee
Location 660 ft. N. of N. Line and 660 ft. W. of S. Line of Sec. 19 Elevation 3327
(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.

Date July 12, 1954 Signed R. L. Green Title Petroleum Engineer
The summary on this page is for the condition of the well at above date.

Commenced drilling 6-13, 1954 Finished drilling 7-7, 1954

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 2650 to 3250 G. No. 4, from _____ to _____
No. 2, from 3480 to 3655 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

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
12 3/4	33.38#	8		25	None	Now			Conductor
8 5/8	24.70#	8		1160	Float	Now			Salt
5 1/2	14#	8		3480	Float	Now	1700	1700	Production
							2650	2650	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
12 3/4	35	25	Hand	9.2	
8 5/8	1172	400	Halliburton	9.2	
5 1/2	3480	800	Halliburton	12.00	

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 3655 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing July 7, 1954
The production for the first 24 hours was 70 barrels of fluid of which 100 % 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. 680 psi Cage at tubing head

EMPLOYEES

_____, Driller G. E. Warnecke, Driller
_____, Driller E. A. Hoover, Driller
E. A. Thomas
F. N. Molloy

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	50	50	Sand & Caliche
50	1172	1122	Red Beds
1172	1305	133	Anhy. & Shale
1305	2400	1095	Salt w/shale strks
2400	2620	220	Anhy, Dol. & Shale
2620	2705	85	Dol w/shale strks
2705	3655	950	Dol. & Sand w/anhy. & Shale strks

(OVER)

FORMATION RECORD—CONTINUED

FOLD | MARK

16-42094-1

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[illegible][illegible]

No. 1 from _____ to _____

71 | 1203 | 1214 | there was no rock between casing strings. 10