

Form 9-380

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078909
LEASE OR PERMIT TO PROSPECT

Sec 21

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Magnolia Petroleum Company Address Box 633 - Midland, Texas
Lessor or Tract Ingwerson Federal Field Lindrith State New Mexico
Well No. 2 Sec. 21 T. 24N R. 2W Meridian N.M.P.M. County Rio Arriba
Location 1650 (N.) of S Line and 990 (E.) of E Line of Sec 21 Elevation 7155'
(Denote gas by G)
(Denote 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.

Signed R. I. German
Title Division Sup't

Date January 6, 1953

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

Commenced drilling September 24, 1952 Finished drilling November 9, 1952

OIL OR GAS SANDS OR ZONES

No. 1, from 3062 to 3082 (Denote gas by G) No. 4, from to
No. 2, from 3105 to 3190 No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from None 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—	
8 3/4"	35.75	8 RT	J-55	287	Hallib.				
7"	26	8 RT	KSO	3062	Hallib.				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity
8 3/4"	287'	150 Sx	Pump & plug	
7"	3062'	135 Sx	Pump & Plug	

PLUGS AND ADAPTERS

Heaving plug—Material None Length Depth set
Adapters—Material None Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
(Dump Shot)		#2 Solidified	620 lbs	11-11-52	3076'-3190'	3190'

TOOLS USED

Rotary tools were used from 0 feet to 3062' feet, and from feet to feet
Cable tools were used from 3082' feet to 3190' feet, and from feet to feet

DATES Finished Oct. Test 11-18-52 and

November 11, 1952 Put to producing Shut In, 19

The production for the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, °Bé. less than

If gas well, cu. ft. per 24 hours 60 MCF Gallons gasoline per 1,000 cu. ft. of gas gal per MCF

Rock pressure, lbs. per sq. in. 240

ROTARY

EMPLOYEES

Cable Tools

Banner Drilling Company, Driller Basin Drilling Company, Driller
Box 112, Driller Box 716, Driller

Farmington, New Mexico FORMATION RECORD Farmington, New Mexico

FROM—	TO—	TOTAL FEET	FORMATION
0	287	287	Sand & shale
287	1385	1098	Shale
1385	1990	605	Shale
1990	2680	690	Shale
2680	2850	170	Sand & shale
2850	2886	36	Sand & shale
2886	2995	109	Sand & shale
2995	3051	56	Sandy Shale
3051	3065	14	Coal & Shale
3065	3082	17	Sand
3082	3155	73	Sand
3155	3190	35	Shale

FORMATION RECORD-Continued

FROM-	TO-	TOTAL FEET	FORMATION
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GEOLOGICAL TOPS

2775
2877
3105

DUAL STEM TESTS

Remarks

Open Hole, Set tool 2728' BHC 5/8" SC 1", No WC, Tested 1 hr. Nothing to surface, recovered 400' drlg mud, no shos, 1200' water out mud, 1150' slightly sulfur water, SFP-O, BHP 400-950#, SI 15 min. SIP 975#, HH 1550# in and out.

Open Hole, Set tool 2936' BHC 5/8" SC 1", No WC, Tested 1 hr. 1 packer, nothing to surface, recovered 120' drlg mud, no shos, SFP-O, BHP 0-125#, SI 15 min, SIP 945#, HH 1510# in and out.

REPORT OF CORES

Description of Core

26' Clean coarse sand, no shos, 10' shale w/scattered fine grain sand.

33' Green shale, 19' Medium to coarse grain quartz shaley sand no shos.

59' No description

11' medium to coarse grain light gray quartz sand, w/scattered blue fluorescence. 2' gray sandy lime and shale, 10' medium to coarse grain light gray quartz sand. 12 1/2' light gray to green sandy shale. 1 1/2' medium to coarse grain light gray quartz sand with scattered blue fluorescence. 6' No recovery.

25 1/2' coal w/ thin shale stringers.

16' coal, 5' coal w/clean black shale partings.

6' black shale & coal, 2 1/2' medium to coarse light gray quartz sand w/scattered pinpoint blue fluorescence w/light gas odor.

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the work done, including, to either "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and results of bailing. of shoke. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

START OF OPERATIONS

Date	Operations
9-24-52	Commenced milling (Sind 881)
9-25-52	Set 10-3/4" casing 287' w/150 sacks.
10-3-52	#1 core - 2850' - 2866'
10-5-52	#2 core - 2886' - 2938'
10-6-52	#1 DST - 2728' - 2886'
10-10-52	#4 core - 2939' - 2995'
10-12-52	#5 core - 2996' - 3027'
10-12-52	#6 core - 3027' - 3051'
10-14-52	#7 core - 3051' - 3082'
10-15-52	#1 Schlumberger floor log 2835' - 3085'
10-15-52	#1 Schlumberger Electric Log 280' - 3088'
10-17-52	Set 7" casing 3060' w/135 sacks.
10-23-52	Moved in "able Tools (Banner Bros)
11-9-52	Schlumberger Induction Log 3063' - 3181'. Commenced bringing in.
11-10-52	Well cleaned (final)
11-17-52	Put on potential test
11-18-52	Well Shut In

