

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078081
LEASE OR PERMIT TO PROSPECTUNITED 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 Reese-Federal Field Fulcher-Kutz State New Mexico
Well No. 1 Sec. 17 T. 27N R. 9W Meridian N.M.P.M. County San Juan
Location 1650 ft. of S Line and 1632 ft. of E Line of Section 17 Elevation 6357'
(Denote foot 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. V. EganDate March 31, 1953 Title Division Superintendent

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

Commenced drilling January 28, 19 53 Finished drilling February 18, 19 53

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2260' (G) to 2315' (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 Hauled water to Location 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
10-3/4"	35.75	8VT	SBC	212'	Halliburton			
6-5/8"	29.50	8VT	SBC	2262'	Halliburton			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	212'	150 Sacks	Pump & Plug		
6-5/8"	2262'	100 Sacks	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
		#2 Solidified	215 qts	2-21-53	2315'	2315'

TOOLS USED

Rotary tools were used from _____ feet to 2315' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Comp: 2-26-53 Put to producing Pot. test 3-7-53. Well SI
March 7, 19 53 No market for gasThe production for the first 24 hours was No barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____If gas well, cu. ft. per 24 hours 378.26 MCF Gallons gasoline per 1,000 cu. ft. of gas est. less than 1 gal. per MCF.Rock pressure, lbs. per sq. in. 545#Power Rotary Texco Oil Company Driller _____
Wichita Falls, Texas _____ Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	122	122	Sand, Rock & Shale
122	212	90	Sand
212	1230	1018	Sand & Shale
1230	1620	390	Sand & Shale
1620	1755	135	Sand
1755	1860	105	Shale
1860	2080	220	Sand
2080	2260	180	Sand
2260	2315	55	Sand

PRODUCTION TESTS AND POTENTIAL TEST DATA:

Potential test completed March 7, 1953, well shut in 7 days for test, SIP 545#, CP 557#, opened on 1/4" choke, 2" OCT choke nipple, flowing pressure at end of 3 hours TP 439#, 661 MCF/day, TP 258# at end of 21 hours, 378.26 MCF/day. Open hole 2242' - 2315', completed in Pictured Cliffs, Pay Fulcher Kutz Field, well shut in, no market for gas.

HISTORY OF WELL:

1-28-53 Commenced drilling (Spud Date)
1-29-53 Set 10-3/4" casing @ 212' W/150 Sacks cement.
2-3-53 #1 DST - 1605' - 1755' - Farmington.
2-6-53 #1 Core 2240' - 2248'
2-7-53 #2 Core 2248' - 2256'

Geological Tops:

Formation: Top

Kirkland 1495'
Farmington 1580'
Fruitland 2025'
Pictured Cliff 2260'
Drilled Pictured Cliff Formation w/gas to keep water from formation.

Drill Stem Tests:

No. 1, date 2-3-52, from 1605' to 1755', open hole with tool set @ 1605' chokes top 1" - Bottom 5/8" - No water cushion - tested for 45 minutes. Used 2 packers, nothing to surface, recovered 50' drilling mud, no shows, SFP - 0, BHFP - 0, SI 15 minutes, SIP 190#, RH - 880# in & out (Farmington)

No. 2, date 2-8-53, from 2028' to 2170', Open hole with tool set @ 2028' chokes top 1" - Bottom 5/8" - No water cushion - tested 1 hour. Used 2 packers, gas to surface 18 minutes, too small to measure, recovered 90' slightly gas cut drilling mud, SFP - 0, BHFP - 110#, SI 30 minutes, SIP 400#, RH - 890# in & out (Fruitland)

Acidizing or Other Completion Operations:

Specialty Shooting Company dumped 215 quarts #2 solidified @ 2315'-2270', pea gravel @ 2270'-2266', Halliburton dumped calseal 2266'-2218', shot off @ 8:38 PM 2-21-53, blew hole dry w/gas drilled 2218'-2266', blew hole w/gas 3 hr to clean up, shut in 24 hours for test, tested through 1/4" choke, pressure 343# at end of 3 hours, 530 MCF/day, pressure after 17 hours on 1/4" choke 250#, 384 MCF/day.

Core Records:

No.	From	To	Recovered	Description of Core
1.	2240'	2248'	7 1/2' 6' 1 1/2'	Gray shale, no show. Coal, no show.
2.	2248'	2256'	8' 6' 2'	Gray shale, no show. Coal, no show.
3.	2256'	2262'	6' 4' 2'	Coal, no show. Medium grain to fine grain gray sand w/gas odor.
4.	2262'	2290'	3' 8'	Finely grain to medium grain gray salt & pepper quartz sand w/slight gas odor.
5.	2290'	2300'	9 1/2' 9 1/2'	Fine to medium grain gray salt & pepper quartz sand w/ slight gas odor.
6.	2300'	2308'	8' 8'	fine to medium grain gray salt & pepper Quartz sand.
7.	2308'	2315'	7' 7'	Fine to Medium grain gray salt & pepper quartz sand.