

Sec. 14

U. S. LAND OFFICE **Navajo Tribal**
SERIAL NUMBER **#14-20-603-2022**

INDIAN LAND

LEASE OR PERMIT TO PROSPECT

Tract #140

Navajo "A"

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
FARMINGRECEIVED
JUL 28 1959
ON COM. COM.
DIST. 3

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Magnolia Petroleum Company** Address **Box 2406**
Lessor or Tract **Navajo "A"** Field **Horseshoe Gallup** State **New Mexico**
Well No. **10** Sec. **14** T. **31N** R. **17W** Meridian **San Juan** County
Location **1845** ft. **S.** of **N.** Line and **2150** ft. **E.** of **E.** Line of **Sec. 14** Elevation **5676**
(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.

Signed

Date **July 15, 1959**Title **District Superintendent**

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

Commenced drilling **6-13**, 19**59** Finished drilling **6-19**, 19**59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **1335** to **1352** 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

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8 5/8	294	8WT	IN	100					Surface casing
5 1/2	198	8WT	IN	100					Production casing
									See sand oil from below

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	113	100 sbk	Pump & plug		
5 1/2	1386	100 sbk	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

See sand oil from below

TOOLS USED

Rotary tools were used from _____ feet to **1390** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing **July 2**, 19**59**

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 _____

Back pressure, lbs. per sq. in. _____

It was well over 84 hours. 18 water and 18 sandstone. The production for the first 24 hours was	Put to producing barrels of fluid of which gravity, 27.6 Gallean gasoline per foot of gas
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LOG OF OIL OR GAS WELL
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ATTACHMENTS

CORE RECORD

<u>No.</u>	<u>From</u>	<u>To</u>	<u>Reg.</u>	<u>Description</u>
1	1325	1384	59'	1325-33 - Shale gray sandy N.S. 1333-50 - Sand F.M.G. gray fair to good per good oil show 1350-55 - Shale gray sandy N.S. 1355-59 - Sand FG gray shaley 25% shale laminated tight trace bleed oil. 1359-71 - Shale gry very limey & fossiliferous N.S. 1371-74 - Limestone fox brown very fossiliferous N.S. 1374-84 - Black shale w/limestone laminations very fossiliferous N.S.

ACIDIZING

Sand-oil frac perf w/17000 gals lss crude + 34000# 10-20 mesh sand - br down 2000# max tr 1200# min tr 900# 7:45 p.m. 6/19/59.

SUMMARY OF OPERATIONS

6-2-59 Located stake
 6-13-59 Commenced drilling
 6-14-59 Set 8 5/8" csg. @ 113' and tested
 6-16-59 Cored #1
 6-17-59 Set 5 1/2" csg @ 1398 and tested
 6-17-59 Rig released @ 12 p.m.
 6-18-59 Welox ran depth control and perf 5 1/2" csg.
 6-19-59 Hoveco sand oil frac perf
 6-19-59 C/o sand 1200-1364
 6-19-59 Ran 2" tbg, red & BW pump
 6-19-59 Completed.
 6-19-59-7-2-59 Recovering lead oil
 7-2-59 Put on HMDCC potential test
 7-3-59 Complete HMDCC potential test