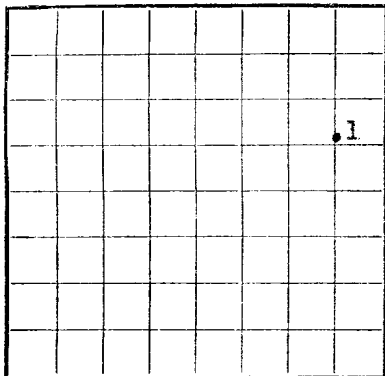


U. S. LAND OFFICE Navajo Tribal
SERIAL NUMBER Contr. 14-20-603-2022
LEASE OR PERMIT TO PROSPECT Tract 110
Navajo "A"

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Magnolia Petroleum Company Address Box 2406, Hobbs, New Mexico
Lessor or Tract Navajo "A" Field Undesignated State New Mexico
Well No. 1 Sec. 24 T. 31N R. 17W Meridian 14-20-603-2022 County San Juan
Location 1980 ft. N. of 4 Line and 660 ft. E. of 3 Line of Sec. 24 Elevation 5731
(Derriek 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 Myung, Jr.Date 2-12-59Title District Superintendent

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

Commenced drilling 1-12, 1959 Finished drilling 1-12, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1397 to 1515 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 steel	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>8-5/8</u>	<u>29</u>	<u>8-7</u>	<u>Linotype</u>	<u>106'</u>					<u>Surface String</u>
<u>5-1/2</u>	<u>14</u>	<u>8-7</u>	<u>J-5</u>	<u>1555'</u>			<u>1397</u>	<u>1515</u>	<u>Oil String</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8</u>	<u>11'</u>	<u>50</u> SKS.	<u>PUMP</u>		
<u>5-1/2</u>	<u>1565'</u>	<u>10</u> SKS.	<u>PUMP</u>		

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 _____ feet to 1565 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 24 % was oil; _____
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 100If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas 600

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>1397</u>	<u>1521</u>	<u>219</u>	<u>Lower Gallup</u>
<u>1521</u>	<u>1545</u>	<u>24</u>	<u>Sandstone</u>

PERFORATIONS

Perforated 5/8" casing 1397-1405 & 1500-1515 w/40 star jet shots.

SUMMARY OF OPERATIONS

1-12-59 Commenced drilling operations (spud date).
1-13-59 Ran 106' of 8-5/8" csg. set 110' cemented w/50 sks. neat + 4" CASI.
Cement circulated. PD 10:00 a.m.
1-14-59 Tested 8-5/8" csg. w/600# for 30 mins., held 0.7.
1-16-59 Core #1 1390-1400.
1-17-59 Core #2 1406-1524.
1-18-59 Schlumberger ran induction-electrical log & sonic log.
1-18-59 Ran 1555' (48 jts.) of 5-1/2" csg. set 1565' cemented w/50 sks. 2" gel
+ 1/2" flocculent per sk. + 50 sks. neat. PD 2:15 p.m. Good circ. 500.
1-19-59 Rig released @ 10:00 p.m.
1-19-59 Rig up J. P. "Bud" Gibbins.
1-19-59 Tested 5/8" csg. w/1000# for 30 mins., held 0.7.
1-20-59 Weller ran radioactivity log & perf. 5/8" csg. 1397-1405 & 1500-1515 w/40
star jet.

(Continued on attached sheet)

FORMATION RECORD-Continued

[illegible]

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 dewatered, give date, size, position, and number of pumps or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing, or whos. If pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

ATTACHMENT - LOG OF OIL OR GAS WELL
Navajo "A" #1, San Juan County, N.M.

SUMMARY OF OPERATIONS (Continued)

1-21-59 Dowell sand oil frac perf w/23,000 gals lease crude + 46,000#
10-20 mesh sand.
1-24-59 Ran 5/8" rods + 2' pony rod, 12' Axelson pump + 16' polish rod
in seating nipple.
1-24-59 Released pulling unit 6:00 p.m.
1-26-59 Install pump unit & engine.
2-4-59 Potential test completed.

1. The first part of the report is a general description of the project and its objectives. This part is written in a clear and concise manner, and it provides a good overview of the project.

2. The second part of the report is a detailed description of the project.

The second part of the report is a detailed description of the project. It is written in a clear and concise manner, and it provides a good overview of the project. The first part of the report is a general description of the project and its objectives. This part is written in a clear and concise manner, and it provides a good overview of the project. The second part of the report is a detailed description of the project. It is written in a clear and concise manner, and it provides a good overview of the project. The third part of the report is a detailed description of the project. It is written in a clear and concise manner, and it provides a good overview of the project. The fourth part of the report is a detailed description of the project. It is written in a clear and concise manner, and it provides a good overview of the project. The fifth part of the report is a detailed description of the project. It is written in a clear and concise manner, and it provides a good overview of the project.