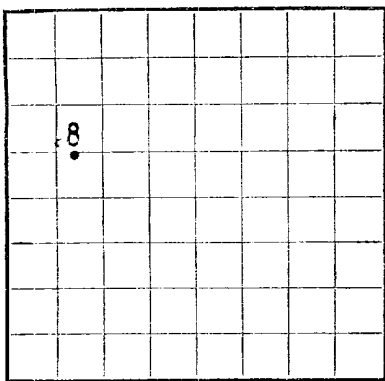




LOCATE WELL CORRECTLY

INDIAN LANDS

U. S. LAND OFFICE Navajo Tribal

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

Contr #14-20-603-2022

UNITED STATES Tract #140

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Navajo "A"

LOG OF OIL OR GAS WELL

Company Magnolia Petroleum Company Address Box 2406, Hobbs, N. Mexico.
Lessor or Tract Navajo "A" Field Horseshoe Gallup State New Mexico
Well No. 8 Sec. 24 T. 31N R. 17W Meridian N.M.P.M. County San Juan
Location 1980 ft. N of N Line and 760 ft. E of W Line of Sec. 24 Elevation 5841
(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 June 29, 1959Title District Superintendent

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

Commenced drilling 5-24, 1959 Finished drilling 5-28, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1494 to 1529 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	29#	8VT	line pipe	100'					surface string
5 1/2	14#	8RT	J-55	1539			1494	1529	Oil string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	113	70	Pump & plug		
5 1/2	1581	100	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
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TOOLS USED

Rotary tools were used from 0 feet to 1581 feet, and from _____ feet to _____ feet

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

DATES

_____, 19____ Put to producing June 25, 1959

The production for the first 24 hours was 73 barrels of fluid of which 99.8 % was oil; _____ % emulsion; _____ % water; and .2 % sediment Gravity, °Bé. 43.30 @ 60°

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1308	1393	85	Lower Gallup
1393	1494	101	1st Sand
1494	1539	45	2nd Sand
1539	1581	42	Sanostee

PERFORATIONS

Perforated 1494-1529 w/70 bullets

CORES

No.	From	To	Rec	Description
1	1475	1525	10	1475-96 shale sandy N.S. 1496-1523 sand N-CXL friable, good por, bleeding oil. 1523-25 no recovery.
2	1525	1536	11	1525-31 sand N-CXL, friable, good por, bleeding oil. 1531-1536 limy shale w/fair fossiliferous lime streaks.

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 struts. If piers or bridges were put in to test for water, state kind of material used, position, and results of pumping or billing.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-43064-2

LOG OF OIL OR GAS WELL
PAGE #2
ATTACHMENTS

ACIDIZING

Dowell sand oil frac perf w/35,000 gals lse crude + 70,000# 10-20 mesh sand. Break down 1900#, max treat 2500#, min tr 700#, avj inj 37.1 BPM, 5 min SI vac 11:04 a.m. 6/10/59. 50 rubber balls, after 35000# sand drop 30 balls 1100-2500-1100# + 2000# sand, drop 10 balls 1100-1200-1100# + 15,000# sand drop 10 balls 1100-1400#.

SUMMARY OF OPERATIONS

4-17-59 Location staked
5-24-59 Commenced drilling
5-24-59 Set 8 5/8" csg @ 113'
5-25-59 Tested 8 5/8" csg
5-27-59 Core #1 & 2
5-28-59 Schlumberger ran Induction, Sonic logs
5-28-59 Set 5 1/2" csg @ 1581
5-28-59 Rig released @ 8:45 p.m.
5-29-59 Tested 5 1/2" csg
5-30-59 Lane Wells ran depth control & perf 5 1/2" csg
6-10-59 Dowell sand oil frac perf
6-10-59 Ran 2" tbg, red & BH pump
6-27-59 Potential test completed

