

Sec. 13

U. S. LAND OFFICE **Navajo Tribal**  
SERIAL NUMBER **Contr. 14-20-603-2022**LEASE OR PERMIT TO PROSPECT  
**Tract #240**  
**Navajo "A"**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

JUN 12 1959

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Magnolia Petroleum Company** Address **Box 2406, Hobbs, New Mexico**  
Lessor or Tract **Navajo "A"** Field **Horseshoe Gallup** State **New Mexico**  
Well No. **6** Sec. **13** T. **31N** R. **17W** Meridian **N.M.P.M.** County **San Juan**  
Location **660** ft. **N.** of **S** Line and **660** ft. **E.** of **W** Line of **Sec. 13** Elevation **5892**  
(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

Title **District Superintendent**Date **June 9, 1959**

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

Commenced drilling **5-13**, 19**59** Finished drilling **5-18**, 19**59**

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **1508** to **1628** 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— |                       |
| <b>8 5/8 29#</b>                  | <b>29#</b>      | <b>8VT</b>       | <b>Line Pipe</b> | <b>100'</b>  |              |                     |            |     | <b>Surface string</b> |
| <b>5 1/2 14#</b>                  | <b>14#</b>      | <b>8VT</b>       | <b>3-55</b>      | <b>16614</b> |              |                     |            |     | <b>Oil string</b>     |
| <b>HISTORY OF OIL OR GAS WELL</b> |                 |                  |                  |              |              |                     |            |     |                       |

## MUDDING AND CEMENTING RECORD

| Size casing        | Where set | Number sacks of cement | Method used            | Mud gravity | Amount of mud used |
|--------------------|-----------|------------------------|------------------------|-------------|--------------------|
| <b>8 5/8 113'</b>  |           | <b>80</b>              | <b>Pump &amp; plug</b> |             |                    |
| <b>5 1/2 1673'</b> |           | <b>100</b>             | <b>Pump &amp; Plug</b> |             |                    |

## 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 **0** feet to **1673** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

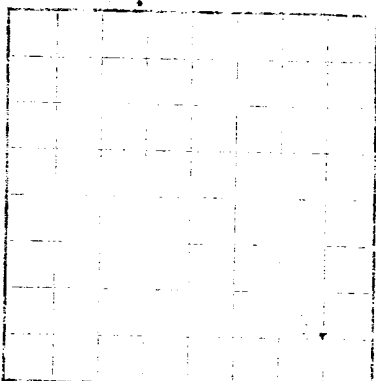
\_\_\_\_\_, 19\_\_\_\_ Put to producing **June 1,** 19**59**  
The production for the first 24 hours was **116** barrels of fluid of which **100** % was oil; \_\_\_\_\_ %  
emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. **40.5° & 60°**  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ 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             |
|----------------|--------------------------------------------------------------------------------------|---------------------|-----------------------|
|                |                                                                                      |                     | <b>ACIDIZING</b>      |
| <b>5-20-59</b> | <b>Dowell sand oil free perf w/25000 gals lse crude + 50000# 10-20 mesh sand</b>     |                     |                       |
|                | <b>Break down 1900#-1000#, Max tr 2300# min 750#, pumped 30000# sand 20 rubber</b>   |                     |                       |
|                | <b>balls 900#-2300# 3 mins 14:00#, dropped 10 rubber balls w/flush 14:00#-1650#-</b> |                     |                       |
|                | <b>14:00#, av inj 33.3 BPM 5 min 31 350#.</b>                                        |                     |                       |
|                |                                                                                      |                     | <b>PERFORATIONS</b>   |
| <b>1508</b>    | <b>1514</b>                                                                          | <b>w/12 bullets</b> |                       |
| <b>1609</b>    | <b>1628</b>                                                                          | <b>w/36 bullets</b> |                       |
|                |                                                                                      |                     | <b>FORMATION TOPS</b> |
| <b>1413</b>    | <b>Lower Gallup</b>                                                                  |                     |                       |
| <b>1499</b>    | <b>1st Gallup sand</b>                                                               |                     |                       |
| <b>1609</b>    | <b>2nd Gallup sand</b>                                                               |                     |                       |



LOCATED WELL CORRECTLY

LOG OF OIL OR GAS WELL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

The information given herein is a complete and correct record of the well as it will appear thereon so far as can be determined from all available records.

Location of \_\_\_\_\_ at \_\_\_\_\_ of \_\_\_\_\_ and \_\_\_\_\_ of \_\_\_\_\_  
V.H.N. \_\_\_\_\_ Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ Meridian \_\_\_\_\_ State \_\_\_\_\_

Dated or Date \_\_\_\_\_ Filed \_\_\_\_\_

Camp \_\_\_\_\_ Address \_\_\_\_\_

The summary on this page is for the condition of the well as observed on 10/10/19.

ALL OR GAS SANDS OR ZONES

(b) (5) DPP, (b) (7)(C)

[illegible]

IMPORTANT WATER SANDS

[illegible]

CAVING RECORD

[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 dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

## HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

RECORDING AND INDEXING RECORD

[illegible]

FLUGS AND ADALTERS

[illegible]

## SHOOTING RECORD

[illegible]

TOOL# USED

|      |         |              |         |              |         |
|------|---------|--------------|---------|--------------|---------|
| 1991 | of 1991 | and the 1991 | of 1991 | and the 1991 | of 1991 |
| 1991 | of 1991 | and the 1991 | of 1991 | and the 1991 | of 1991 |

DATE

|                                                                                                                                                                                                              |                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Back pressure the production of the well was 100 barrels of oil per 24 hours.</p> <p>The production for the first 24 hours was 100 barrels of oil, 100 barrels of water, and 100 barrels of sediment.</p> | <p>Put to producing the well was 100 barrels of oil, 100 barrels of water, and 100 barrels of sediment.</p> <p>The production for the first 24 hours was 100 barrels of oil, 100 barrels of water, and 100 barrels of sediment.</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

EMPLOYEES

|         |         |  |  |
|---------|---------|--|--|
| rollin( | rollin( |  |  |
| rollin( | rollin( |  |  |

INFORMATION RECORD

[illegible]

LOG OF OIL OR GAS WELL

NAVAJO "A" #6

SUMMARY OF OPERATIONS

4-17-59 Location staked.  
5-13-59 Commenced drilling operations (spud date)  
5-14-59 Ran 5 jts 100' of 8 5/8" csg set @ 113 w/80 sks 2% Caelg. Circ  
cam. PD 1:00 a.m. WOC.  
5-15-59 Tested 8 5/8" csg w/800# for 30 mins w/wtr, held OK.  
5-16-59 Core #1 - 1465-1495.  
5-17-59 Core #2 - 1590-1619.  
5-17-59 Core #3 - 1619-1652.  
5-18-59 Schl ran Induction and Sonic logs.  
5-18-59 Ran 42 jts 1661' of 5 1/2" csg set @ 1673 cemented w/50 sks 2% Gel  
+ 1/2# Floccals/sks + 50sks neat. PD 5:00 p.m. WOC Tested 5 1/2"  
w/500# w/oil 20 mins, held OK.  
5-18-59 Rig released @ 8:00 p.m.  
5-20-59 Schl ran depth control & collar logs to 1631' & perf 5 1/2" csg  
1508-14, 1609-28 w/50 bullets.  
5-20-59 Dowell sand oil frac perf w/25000 gals lse crude + 50,000# 10-20  
mesh sand.  
5-21-59 J. P. "Sam" Gibbons moved in unit.  
5-21-59 Ran 2" tbg to 1604', perf nipple @ 1571, seating nipple @ 1570.  
5-22-59 Ran rods & pump.  
6-2-59 Potential test completed @ 4:00 p.m.

