

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Magnolia Petroleum Company Address Box 633 Midland, TexasLessor or Tract Shaw-Federal Field Wildcat State New MexicoWell No. 1 Sec. 6 T13S R3E Meridian N.M.P.M. County ChavesLocation 660 ft. (N) of (S) Line and 660 ft. (E) of (E) Line of Sec. 6 Elevation 4020

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 [Signature]Date September 23, 1953 Title A. I. German Div. Sup't.

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

Commenced drilling January 29, 1953 Finished drilling August 29, 1953

## OIL OR GAS SANDS OR ZONES

Permo Penn. 9990' to 10050' G No. 4, from (Gas too small to measure)

Permo Penn. 10438' to 10538' G No. 5, from (Gas too small to measure)

No. 3, from to No. 6, from to

## IMPORTANT WATER SANDS

No. 1, from None - Outside Purchase 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 |              |
| 13-3/8      | 48#             | 8RT              | H-40 | 461'   | Hallib.      |                     |            |    | Surface      |
| 9-5/8       | 36#             | 8RT              | J-55 | 3770'  | Hallib.      |                     |            |    | Intermediate |
|             |                 |                  |      |        |              |                     |            |    |              |
|             |                 |                  |      |        |              |                     |            |    |              |
|             |                 |                  |      |        |              |                     |            |    |              |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 13-3/8      | 461'      | 500                    | Pump & Plug |             |                    |
| 9-5/8       | 3770'     | 1650                   | 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 |
|------|------------|----------------|----------|------|------------|-------------------|
| None |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from 0' feet to 12072' feet, and from - - - feet to - - - feetCable tools were used from - - - feet to - - - feet, and from - - - feet to - - - feet

## DATES

August 29, 1953 Put to producing Flowed & AbandonedThe 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 - - - -Rock pressure, lbs. per sq. in. - - - -

## EMPLOYEES

J.T. Caster, Driller Magnolia Pet. Co. Drillers

Lloyd G. Copeland, Driller Ted Edmondson, Driller

J.L. Wilson, Driller

## FORMATION RECORD

| FROM  | TO    | TOTAL FEET | FORMATION        |
|-------|-------|------------|------------------|
| 0     | 406   | 406        | Sand & Red Bed   |
| 406   | 900   | 494        | Red Bed & Shale  |
| 900   | 1590  | 690        | Anhydrite & Salt |
| 1590  | 2491  | 901        | Anhydrite        |
| 2491  | 3348  | 857        | Anhydrite & Lime |
| 3348  | 6002  | 2654       | Lime             |
| 6002  | 6822  | 820        | Lime & Shale     |
| 6822  | 7050  | 228        | Shale            |
| 7050  | 7597  | 547        | Lime & Shale     |
| 7597  | 8253  | 656        | Lime             |
| 8253  | 8754  | 501        | Lime & Shale     |
| 8754  | 9970  | 216        | Lime & Chert     |
| 9970  | 10438 | 468        | Lime & Shale     |
| 10438 | 10747 | 309        | Lime             |
| 10747 | 10808 | 61         | Lime & Sand      |
| 10808 | 11041 | 233        | Lime             |
| 11041 | 11271 | 230        | Lime & Chert     |
| 11271 | 11648 | 377        | Lime & Chert     |
| 11648 | 12067 | 419        | Lime             |
| 12067 | 12072 | 5          | Granite          |

## GEOLOGICAL TOPS

## FORMATION

| FORMATION     | TOP    |
|---------------|--------|
| Anhydrite     | 905'   |
| Salt          | 905'   |
| Base of Salt  | 1590'  |
| Yates         | 1724'  |
| Green         | 2372'  |
| San Andres    | 3065'  |
| Glorietta     | 4160'  |
| Lubbs         | 5248'  |
| Alco          | 6745'  |
| Permo Penn.   | 9000'  |
| Mississippian | 10710' |
| Woodford      | 11279' |
| Devonian      | 11340' |
| Montoya       | 11796' |
| Granite       | 12067' |

## DRILL STEM TESTS

| No.                                                                                                                                                                                    | Date    | From  | To     | Kind of Hole | Tool | Top  | Bottom | Chokes      | Water  | Time |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|--------|--------------|------|------|--------|-------------|--------|------|
| #1                                                                                                                                                                                     | 2-16-53 | 3540' | 3590'  | Open Hole    | 1"   | 5/8" | None   | 1 hr 5 min  | Tested |      |
| DST (San Andres) 1/2 pkr. Nothing to surface, Rec 120' drl mud, no shows, SFP zero, BHFP zero. SI 15 min. 60#, HH 2230 in & out.                                                       |         |       |        |              |      |      |        |             |        |      |
| #2                                                                                                                                                                                     | 2-18-53 | 3635' | 3665'  | Open Hole    | 1"   | 5/8" | None   | 1 hr.       |        |      |
| DST (San Andres) 1/2 pkr. Nothing to surface, Rec 120' drl mud, SFP zero, BHFP 70#, SI 15 min 435# HH 2230# in & out.                                                                  |         |       |        |              |      |      |        |             |        |      |
| #3                                                                                                                                                                                     | 2-20-53 | 3677' | 3770'  | Open Hole    | 1"   | 5/8" | None   | 1 hr.       |        |      |
| DST (San Andres) 1/2 pkr. Nothing to surface, Rec 120' drl mud, no shows, SFP 0, BHFP 50-120#, 15 min. SI 1130#, HH 2310 in & out.                                                     |         |       |        |              |      |      |        |             |        |      |
| #4                                                                                                                                                                                     | 3-1-53  | 4283' | 4313'  | Open Hole    | 1"   | 5/8" | None   | 2 hr 20 min |        |      |
| DST (Glorietta) 1/2 pkr. Nothing to surface, Rec 3140' drl mud, 4500' sulphur water, no shows, SFP-0, BHFP-1900#, SI 15 min. 1900#, HH 2150# in & out.                                 |         |       |        |              |      |      |        |             |        |      |
| #5                                                                                                                                                                                     | 3-7-53  | 4764' | 4840'  | Open Hole    | 1"   | 5/8" | None   | 1 hr 5 min  |        |      |
| DST (Yates) 1/2 pkr. Nothing to surface, Rec 15' drl mud, no shows, SFP-0, BHFP 30#, 15 min. SI 30#, HH 2220# in & out.                                                                |         |       |        |              |      |      |        |             |        |      |
| #6                                                                                                                                                                                     | 4-23-53 | 8084' | 8163'  | Open Hole    | 1"   | 5/8" | None   | 30 min      |        |      |
| DST (Permo Penn) 1/2 pkr. Nothing to surface, Rec 10' drl mud, no shows, SFP 0, BHFP-0, 15 min SI 120#                                                                                 |         |       |        |              |      |      |        |             |        |      |
| #7                                                                                                                                                                                     | 4-25-53 | 8180' | 8284'  | Open Hole    | 1"   | 5/8" | None   | 30 min      |        |      |
| DST (Permo Penn) 1/2 pkr. Nothing to surface, Rec 120' drl mud, no shows, SFP 0, BHFP 15-45#, 15 min. SI 1470#, HH 4370# in & out.                                                     |         |       |        |              |      |      |        |             |        |      |
| #8                                                                                                                                                                                     | 5-7-53  | 8344' | 8354'  | Open Hole    | 1"   | 5/8" | None   | 1 hr        |        |      |
| DST (Permo Penn) 1/2 pkr. Nothing to surface, Rec 10' drl mud, no shows, SFP 0, BHFP-0, 15 min. SI-0. Tool Plugged, By-passed & flowed 3 min. HH 4700# in & out.                       |         |       |        |              |      |      |        |             |        |      |
| #9                                                                                                                                                                                     | 5-8-53  | 8339' | 8364'  | Open Hole    | 1"   | 5/8" | None   | 1 hr.       |        |      |
| DST (Permo Penn) 1/2 pkr. Nothing to surface, Rec 20' drl mud, no shows, SFP 0 - BHFP-0, 15 min. SI-0, HH 4525 in & out.                                                               |         |       |        |              |      |      |        |             |        |      |
| #10                                                                                                                                                                                    | 5-12-53 | 9000' | 9090'  | Open Hole    | 1"   | 5/8" | None   | 1 hr 10 min |        |      |
| DST (Permo Penn) 1/2 pkr. Nothing to surface, Rec 270' drl mud, no shows, SFP 0 - BHFP 170#, SI 15 min. 225#, HH 4900 in & out.                                                        |         |       |        |              |      |      |        |             |        |      |
| #11                                                                                                                                                                                    | 5-23-53 | 9495' | 9546'  | Open Hole    | 1"   | 5/8" | None   | 1 hr 7 min  |        |      |
| DST (Permo Penn) 1/2 pkr. Nothing to surface, Rec 40' drl mud, no shows, SFP 0, BHFP 95#, 15 min SIP 100#, HH 5060# in, 5020# out.                                                     |         |       |        |              |      |      |        |             |        |      |
| #12                                                                                                                                                                                    | 6-2-53  | 9990' | 10050' | Open Hole    | 1"   | 3/4" | None   | 2 hrs       |        |      |
| DST (Permo Penn) 1/2 pkr. Gas to surface 2 hrs, too small to measure, Rec 665' Gas out drl mud, no oil, SFP-0, BHFP 300#, 15 min. SIP 650#.                                            |         |       |        |              |      |      |        |             |        |      |
| #13                                                                                                                                                                                    | 6-4-53  | 9990' | 10075' | Open Hole    | 1"   | 5/8" | None   | 2 hrs       |        |      |
| DST (Lower Penn) 1/2 pkr. Nothing to surface, Rec 400' drl mud, 1200' salt water, 900' mud out salt water, 900' salt water, SFP-0, BHFP 125-10.5, 15 min SIP 2975#, HH 5500# in & out. |         |       |        |              |      |      |        |             |        |      |

## History of Well

| DATE    | OPERATION                                                                 |
|---------|---------------------------------------------------------------------------|
| 1-2-53  | Location Staked                                                           |
| 1-29-53 | Commenced Drilling (Spud Date)                                            |
| 1-30-53 | Set 10-3/4" OD 461' 1/2" 500' sx.                                         |
| 2-16-53 | DST #1 (San Andres) 3540'-3590'.                                          |
| 2-13-53 | DST #2 (San Andres) 3635'-3665'.                                          |
| 2-19-53 | San Halliburton Caliper log.                                              |
| 2-20-53 | DST #3 (San Andres) 3677'-3770'.                                          |
| 2-22-53 | San Schlumberger Elec & Gamma Ray logs.                                   |
| 2-23-53 | Set 9-5/8" OD 3770' 1/2" 1650' sx.                                        |
| 3-1-53  | DST #4 (Glorietta) 4283'-4313'.                                           |
| 3-7-53  | DST #5 (Yates) 4764'-4840'.                                               |
| 4-23-53 | DST #6 (Permo Penn) 8084'-8163'.                                          |
| 4-25-53 | DST #7 (Permo Penn) 8180'-8284'.                                          |
| 5-7-53  | DST #8 (Permo Penn) 8344'-8354'.                                          |
| 5-8-53  | DST #9 (Permo Penn) 8339'-8364'.                                          |
| 5-12-53 | DST #10 (Permo Penn) 9000'-9090'.                                         |
| 5-23-53 | DST #11 (Permo Penn) 9495'-9546'.                                         |
| 6-2-53  | DST #12 (Permo Penn) 9990'-10050'.                                        |
| 6-4-53  | DST #13 (Permo Penn) 9990'-10075'.                                        |
| 6-16-53 | DST #14 (Permo Penn) 10470'-10502'.                                       |
| 7-7-53  | DST #15 (Mississippian) 11022'-11112'.                                    |
| 7-15-53 | Core #1 11368'-11374'.                                                    |
| 7-16-53 | Core #2 11374'-11385'.                                                    |
| 7-17-53 | DST #16 (Devonian) 11356'-11385'.                                         |
| 7-20-53 | Core #3 11385'-11402'.                                                    |
| 7-21-53 | Core #4 11402'-11405'.                                                    |
| 7-26-53 | DST #17 (Devonian) 11480'-11576'.                                         |
| 8-9-53  | Set open hole Bridge Plug 4238'-4370' 1/2" 68' sx to resin circ.          |
| 8-12-53 | Drill out to 11550' 1/2" 100% circulation.                                |
| 8-12-53 | San Schlumberger Electric, Micro Lateral log & dipmeter survey to 11550'. |
| 8-16-53 | DST #18 (Devonian) 11667'-11707'.                                         |
| 8-25-53 | DST #19 (Montoya) 11980'-12007'.                                          |
| 8-29-53 | Core #5 12068'-12072'.                                                    |
| 8-30-53 | Completed Drilling To 12072'.                                             |
| 8-31-53 | San Schlumberger logs.                                                    |
| 9-1-53  | Plug back 12072'-11707' 1/2" 110' sx & 10736'-10601' 1/2" 68' sx.         |
| 9-1-53  | Plug back 10601'-10535' 1/2" 60' sx.                                      |
| 9-3-53  | Attempted DST 10425'-10535', pkr failed, Drill out to 10540'.             |
| 9-5-53  | Plug back 10540'-10535' 1/2" 68' sx.                                      |
| 9-6-53  | DST #20 (Permo Penn) 10438'-10538'.                                       |
| 9-8-53  | Plugged & Abandoned.                                                      |