



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Magnolia Petroleum Company Address Box 633 Midland, Texas
 Lessor or Tract Capps-Federal Field Bough State New Mexico
 Well No. 6 Sec. 13 T. 9-S R. 35E Meridian N.M.P.M. County Lea
 Location 990 ft. N of 5 Line and 660 ft. E of W Line of Section 13 Elevation 4125
 (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 August 23, 1957Title H.T. GERMAN
Division Superintendent

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

Commenced drilling June 13, 1957 Finished drilling August 8, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4840 to 4846 G 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 110 to 440 No. 3, from 888 to 1190
 No. 2, from 500 to 815 No. 4, from 1865 to 2185

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>10-3/4</u>	<u>32.75</u>	<u>8-11</u>	<u>British</u>	<u>434</u>					<u>Surface</u>
<u>7-5/8</u>	<u>24</u>	<u>8-11</u>	<u>Nat'l</u>	<u>1800</u>					<u>Intermediate</u>
<u>7-5/8</u>	<u>24.60</u>	<u>8-11</u>	<u>Nat'l</u>	<u>862</u>					<u>Intermediate</u>
<u>5-1/2</u>	<u>19</u>	<u>Seamless</u>	<u>Spang</u>	<u>5748</u>			<u>9594</u>	<u>9604</u>	<u>Production</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/4</u>	<u>434</u>	<u>400</u>	<u>Pump & Plug</u>		
<u>7-5/8</u>	<u>4160</u>	<u>1800</u>	<u>Pump & Plug</u>	<u>35</u>	<u>19,600 lbs</u>
<u>5-1/2</u>	<u>9625</u>	<u>460</u>	<u>Pump & Plug</u>	<u>51</u>	<u>39,360 lbs</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 9625 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

August 23, 1957 Put to producing August 19, 1957

The production for the first 24 hours was 201 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. G.O.R. 1357/1

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Magnolia Petroleum Company, Driller _____, Driller
Rig # 4, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>2204</u>	<u>2275</u>	<u>71</u>	<u>Anhydrite</u>
<u>2275</u>	<u>2620</u>	<u>345</u>	<u>T. Salt</u>
<u>2620</u>	<u>2750</u>	<u>130</u>	<u>S. Salt</u>
<u>2750</u>	<u>3470</u>	<u>720</u>	<u>Yates</u>
<u>3470</u>	<u>4019</u>	<u>549</u>	<u>Queen</u>
<u>4019</u>	<u>5446</u>	<u>1427</u>	<u>San Andres</u>
<u>5446</u>	<u>6846</u>	<u>1400</u>	<u>Glorietta</u>
<u>6846</u>	<u>7648</u>	<u>802</u>	<u>Tubbs</u>
<u>7648</u>	<u>8868</u>	<u>1220</u>	<u>Abo</u>
<u>8868</u>	<u>9590</u>	<u>722</u>	<u>Permian Penn.</u>
<u>9590</u>	<u>9625</u>	<u>35</u>	<u>Bough "C"</u>

SUMMARY

6-13-57 Spudded
6-14-57 WOC 10-3/4 Casing on btm with 100 sx. Circulated
6-24-57 WOC 7-5/8 Casing in btm with 1800 sx. cement.
8-1-57 Drill Stem Permian Penn. 9195-923', Pkr. failed no test. Drill Stem Test Permian Penn. 9189-923' 1 hr. 5/8 x 1" ch. No W.C. Rec. 30' of drilling. mud no shows. SPP 0 #. BHP 55. 15 min. BHSI 55%.
8-8-57 Cored 9545-9585' no show.
8-9-57 Prep. DST Bough "C" 9567-9625', Cored 9585-9625', Good show. Oil 9590-9606'.
8-13-57 WOC 5748' of 5 1/2" Liner on btm with 160 sx cement. Top liner @ 3877'. DST Bough "C" 9567-9625' 2 hrs. 40 min. 5/8 x 1 1/2" ch. No W.C. Gas to surf. 3 min. Mud in 16 min. Oil in 18 min. Clean to pits 2 min. Flow 85 BNO 2 hrs. 20 min. thru 32/64" ch. GOR: 1640/1. Gty. 43. SPP 90-540%. BHP 2000%. 30 min. BHSI 2750%.
8-15-57 WOC 5 1/2" Liner. Cemented over top of 5 1/2" Liner @ 3877' with 300 sx cement.

FORMATION RECORD (Continued)

8-16-57 9623' H.T.D. Drilled out Plug & cement in 5 1/2" Liner to 9623' H.T.D. Prep. to Log & Perf. 5 1/2" Liner.
8-19-57 Perf. 5 1/2" Liner 9594-9608'. Ran 2" tbg & Pkr. Swabbed & flowed 42 BNO & hrs. Flowed 46 BNO 6 hrs. 24/64" ch. TP 300%. Acidized w/500 Gals. TP-5000#. to Vax. Swabbed load oil 1 hr. Flow 71 BNO 12 BAW 5 hrs. 18/64" ch. TP-725#. Continuing Potential. Potential test flow. 110 BNO 12 BAW 5 hrs. 18/64" ch. TP* 675%. Rig released 5 A.M. 8-19-57. Potential test Flow 201 BNO, no wtr, 24 hrs. 12/64" ch. GOR; 1357/1, Gty. 48 Allow: 144 BNO D. TP-30%. Completed 8-18-57.

FORMATION RECORD—Continued[illegible]

HISTORY OF OIL OR GAS WELL

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 balling.

The first part of the paper is devoted to a review of the literature on the topic. The second part is devoted to a review of the literature on the topic. The third part is devoted to a review of the literature on the topic. The fourth part is devoted to a review of the literature on the topic. The fifth part is devoted to a review of the literature on the topic. The sixth part is devoted to a review of the literature on the topic. The seventh part is devoted to a review of the literature on the topic. The eighth part is devoted to a review of the literature on the topic. The ninth part is devoted to a review of the literature on the topic. The tenth part is devoted to a review of the literature on the topic.

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LOG OF OIL OR GAS WELL

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