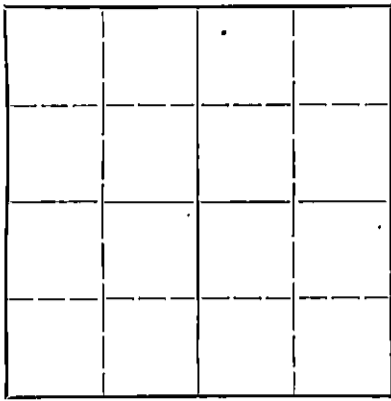


OR  
FORMATION PLUGGING RECORD

Strike out upper line when reporting plugging of formations.

Give All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to:  
Conservation Division  
State Corporation Commission  
800 Biting Building  
Wichita, Kansas

Stafford County, Sec. 34 Twp. 21S Rge. (E) 13 (W)  
Location as "NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ " or footage from lines. Center NW NW NE  
Lease Owner Magnolia Petroleum Company  
Lease Name Mattie Gates Well No. 5  
Office Address Box 770 - Great Bend, Kansas  
Character of Well (completed as Oil, Gas or Dry Hole) Dry  
Date well completed September 3, 1948 19.  
Application for plugging filed September 3, 1948 19.  
Application for plugging approved September 7, 1948 19.  
Plugging commenced September 14, 1948 19.  
Plugging completed September 20, 1948 19.  
Reason for abandonment of well or producing formation Dry



Locate well correctly on above Section Flat

If a producing well is abandoned, date of last production 19.  
Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well C. D. Stough  
Producing formation Arbuckle Depth to top 3721 Bottom 3833 Total Depth of Well 3833 Feet  
Show depth and thickness of all water, oil and gas formations.

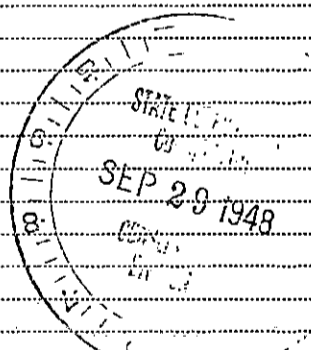
OIL, GAS OR WATER RECORDS

CASING RECORD

Formation	Content	From	To	Size	Put In	Pulled Out
Arbuckle	Dry	3721	3833	5-1/2	3767	1687
				9	285	None

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hold. If cement or other plugs were used, state the character of same and depth placed, from feet to feet for each plug set.

Plugged hole from 3833' to 3660' w/17 sacks cement dumped w/Halliburton bailer. Filled up 300' w/rock and cemented w/6 sacks cement; filled up w/heavy mud to 240'. Set Plug @ 240' & cemented w/15 sacks cement; filled w/heavy mud to 30' & cemented w/10 sacks cement to base of cellar.



(If additional description is necessary, use BACK of this sheet)

Correspondence regarding this well should be addressed to C. A. Hill, Magnolia Petroleum Company  
Address Box 770 - Great Bend, Kansas

STATE OF KANSAS, COUNTY OF BARTON, ss.  
I, C. A. HILL (employee of owner) of the above-described well,  
being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) [Handwritten Signature]  
Box 770 - Great Bend, Kansas (Address)

SUBSCRIBED AND SWORN to before me this 27th day of September, 1948

My commission expires August 27, 1952 [Handwritten Signature] Notary Public.



Log of  
Mattie Gates #5  
Center NW NW NE Section 34-21S-13W  
Stafford County, Kansas

Drilling Started - July 29, 1948  
Drilling Completed - August 26, 1948

CASING RECORD:

9" @ 285' w/285 sacks  
5-1/2" @ 3767' w/100 sacks

ELEVATION: 1886' K.B.FORMATION RECORD:

Sand & Clay	0	230
Red Bed	230	285
9" Surface Csg @ 285' w/285 sacks cement		
Red Bed, Shale & Shells	285	722
Anhydrite	722	752
Red Bed	752	820
Shale & Shells	820	1590
Broken Lime	1590	1705
Lime & Shale	1705	1780
Shale & Lime	1780	1880
Lime & Shale	1880	2070
Sandy Lime	2070	2170
Shale	2170	2180
Lime & Shale	2180	2375
Shale	2375	2455
Lime & Shale	2455	2520
Shale	2520	2665
Shale & Lime	2665	2881
Lime	2881	2925
Lime & Shale	2925	3025
Lime - Hard	3025	3043
Lime - Soft	3043	3082
Lime - Hard	3082	3090
Lime & Shale	3090	3150
Lime	3150	3250
Lime & Shale	3250	3360
Lime	3360	3400
Lime & Shale	3400	3445
Conglomerate & Lime	3445	3488
Lime	3488	3533
Lime & Shale	3533	3570
Shale & Lime	3570	3595
Lime & Shale	3595	3650
Chert & Shale	3650	3670
Shale	3670	3680
Chert, Shale & Lime	3680	3703
Lime	3703	3746
Shale & Lime	3746	3756
Lime	3756	3767
5-1/2" Csg @ 3767' w/100 sacks cement		
Lime	3767	3819
Sandy Lime	3819	3833
Total Depth		3833 KB

SIZE OF HOLE: 12-1/4" to 285';  
7-7/8" to 3781';  
5" to 3833'.

STRAIGHT HOLE SURVEYS: Acid Bottle OK  
@ 500'; 1000'; 1500'; 2000'; 2500'; 3000';  
3500'.

SURVEYS: None

DST @ 3737' TD w/packer @ 3733'; open 55  
mins, recovered 9' Rotary Mud.

DST #2 @ 3756' TD w/packer @ 3737'; open  
35 mins, recovered 15' Rotary Mud.

DST #3 @ 3781' TD w/packer @ 3756'; open  
30 mins, recovered 30' oil out mud.

CORES: #1 3725' to 3728' 3' rec.  
#2 3728' to 3734' 3' rec.  
#3 3734' to 3737' 3' rec.

COMPLETION HISTORY: @ 3725' attempted to  
DST, packer did not hold.  
Cored to 3737' & ran DST #1, rec. 9' rotary  
mud. DD to 3756' & ran DST #2, rec. 15'  
rotary mud. DD to 3781' & ran DST #3, rec.  
30' oil out mud. Ran & cemented 5-1/2" Csg.  
@ 3767'; set 72 hrs & tested OK.  
Rigged up Cable Tools & bailed mud.  
Drilled out cement to 3781' & tested w/bailer.  
36 hrs, 11 gals wtr/hr w/scum of heavy black  
oil.  
DD to 3833' & tested 12 hrs, 22 bbls wtr/hr  
w/scum of heavy black oil.  
PB from 3833' to 3784' w/12 sacks cement dump-  
ed w/Halliburton bailer. Set 48 hrs.  
Swabbed & tested 12 hrs, 12 gals wtr/hr.  
Acidized w/500 gals 15%, 90 bbls load wtr thru  
5-1/2" csg under 1250# max to 950# min press.  
Swabbed & tested 12 hrs, 2-1/2 bbls wtr/hr w/  
scum of heavy black oil.  
PB from 3784' to 3660' w/7 sacks cement dumped  
w/Halliburton bailer (Dropped & left Halli-  
burton Dump Bailer in hole).  
Set 48 hrs; perf. 5-1/2" 3367-76' w/48 shots;  
Bailed & tested 16 hrs, 5 gals wtr/hr. Tore  
down Cable Tools to Plug.

PLUGGING RECORD: By Rice County Pulling Co. Ran 300' rock to bottom & cemented w/6 sacks  
cement. Shot & pulled 1687' of 5-1/2" Csg., filled w/heavy mud to 240'; set Plug @ 240' &  
cemented w/15 sacks cement. Filled w/mud to 30' & cemented base of cellar w/10 sacks cement.

Plugging started September 14, 1948.

Plugging completed September 20, 1948.

Log of  
 Mattie Gates #5  
 Center NW NW NE Section 34-21S-13W  
 Stafford County, Kansas

Drilling Started - July 29, 1948  
 Drilling Completed - August 26, 1948

CASING RECORD:  
 9" @ 285' w/285 sacks  
 5-1/2" @ 3767' w/100 sacks

ELEVATION: 1886' K.B.

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 @ 500'; 1000'; 1500'; 2000'; 2500'; 3000';  
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 oil.  
 DD to 3833' & tested 12 hrs; 22 bbls wtr/hr  
 w/scum of heavy black oil.  
 PB from 3833' to 3784' w/12 sacks cement dump-  
 ed w/Halliburton bailer. Set 48 hrs.  
 Swabbed & tested 12 hrs, 12 gals wtr/hr.  
 Acidized w/500 gals 15%, 90 bbls load wtr thru  
 5-1/2" csg under 1250# max to 950# min press.  
 Swabbed & tested 12 hrs, 2-1/2 bbls wtr/hr w/  
 scum of heavy black oil.  
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 burton Dump Bailer in hole).  
 Set 48 hrs; perf. 5-1/2" 3367-76' w/48 shots;  
 Bailed & tested 16 hrs, 5 gals wtr/hr. Toro  
 down Cable Tools to Plug.

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