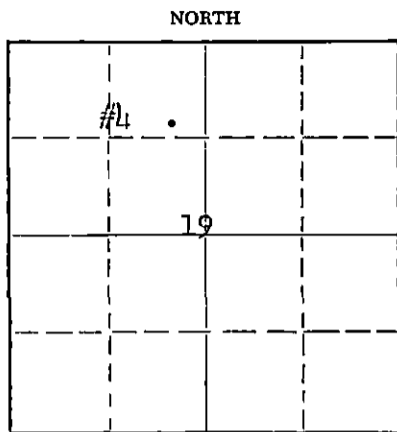


STATE OF KANSAS  
STATE CORPORATION COMMISSION

WELL PLUGGING RECORD

Give All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to:  
Conservation Division  
State Corporation Commission  
211 No. Broadway  
Wichita, Kansas

Stafford County, Sec. 19 Twp. 21 Rge. (E) 12 (W)  
Location as "NE/CNW/SW" or footage from lines SE NE NW  
Lease Owner Magnolia Petroleum Company  
Lease Name E. B. Hall Well No. 11  
Office Address P. O. Box 770, Great Bend, Kansas  
Character of Well (completed as Oil, Gas or Dry Hole) OIL  
Date well completed 10-8 1946  
Application for plugging filed 8-28 1959  
Application for plugging approved 8-31 1959  
Plugging commenced 9-1 1959  
Plugging completed 9-1 1959  
Reason for abandonment of well or producing formation No workover possibilities;  
not needed for secondary recovery  
If a producing well is abandoned, date of last production 5-13 1951  
Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes



Locate well correctly on above Section Plat

Name of Conservation Agent who supervised plugging of this well Frank Broadfoot, 222 So. Main St., St. John, Ks.  
Producing formation Lansing-KC Depth to top 3288 Bottom 3369 PB Total Depth of Well 3632 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
Lansing-KC	Oil & Wtr.	3288	3369	8-5/8	335	None
			PBTD	5-1/2	3601	1808

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 hole. If cement or other plugs were used, state the character of same and depth placed, from \_\_\_\_\_ feet to \_\_\_\_\_ feet for each plug set.

Filled with sand from 3369' to 3325' - dumped 5 sks of cement - mudded hole to 315' - set 10' rock bridge - dumped 20 sks of cement @ 335' - mudded hole to 110' - set 10' rock bridge - dumped 10 sks of cement to base of cellar - filled to surf w/dirt.

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(If additional description is necessary, use BACK of this sheet)  
Name of Plugging Contractor R & D Casing Pulling Company License # 236  
Address Box 569 Ellinwood, Kansas

STATE OF Kansas, COUNTY OF Barton, ss.  
Mark A. Watson (employee of owner) or (owner or operator) 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) Mark A. Watson  
P. O. Box 770, Great Bend, Kansas (Address)

SUBSCRIBED AND SWORN TO before me this 9th day of September, 19 59

My commission expires January 15, 1963  
Reva. C. Brown Notary Public.

PLUGGING  
FILE - SEC. 19 T. 21 R. 12  
BOOK PAGE 63 LINE 45

Record of Well No. 4

Owned by MAGNOLIA PETROLEUM CO.

E. B. Hall

Farm Stafford County Kansas State  
SE NE NW Section 19-21-12W  
District Chase

Rig Commenced	8	2	46
Rig Completed	8	4	46
Drilling Commenced	8	7	46
Drilling Completed	10	8	46
Torpedoed			

Herndon Drilling Company  
do

Contractor  
Contractor

8-5/8" 32.75# Lapweld  
5 1/2" 14# Seamless  
2" 4.7# Seamless Tubing

Kind	Put In		Pulled		Left In		REMARKS
	Ft.	In.	Ft.	In.	Ft.	In.	
Casing	335	-			335	-	Cem. w/300 sax
"	3601	-			3601	-	Cem. w/150 sax
"	3627	-			3627	-	
"							
"							
"							

Transfer in No. 5789

Our No.

Estimated Oil Production

Bbls.

Gas

Cu. Ft.

Voucher No.

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Wichita, Kansas

FORMATION

BOTTOM

REMARKS

Cellar	0	8
sand	8	60
sandy shale	60	145
shale & shells	145	950
shale & salt	950	1125
shale & shells	1125	1645
shale & lime	1645	1745
lime & shale	1745	1970
shale & shells	1970	2070
lime & shale	2070	2270
shale & shells	2270	2395
shale	2395	2700
lime	2700	3175
lime & shale	3175	3480
Top Lansing K.C.	3288	DF
Top Conglomerate	3516	DF
Top Simpson	3563	DF
Top Viola	3530	DF
lime	3480	3565
lime & shale	3565	3600
Top Arbuckle	3600	
Arbuckle lime	3600	3604
5 1/2" Csg. set	3601	

Cleaned out to bottom at 3614  
Bailed 1/2 Bbl. oil per hr. - no water for 12 hrs.  
Acidized with 1000 gals.  
Bailed 3/4 Bbl. oil per hour. - No water for 48 hrs  
after load back.  
Acidized with 3000 gals.  
Bailed 3/4 Bbl. oil per hour. - no water for 12 hrs.  
after load back.  
Bailed 1/2 Bbl. oil per hour - no water for 48 hrs.  
Drilled Arbuckle lime 3614 - 3622  
No increase in oil or water  
Drilled Arbuckle lime 3622 3632  
Bailed 1/4 Bbl. oil per hour - no water for 7 hrs.  
Dumped 2 Sax cement on bottom with dump bailer  
Plugged back to 3629.

Physical Potential 12 Bbl. oil per day - no water  
pumping effective 10/8/46. - Actual capacity -  
TD:SLM 3632RFB to 3629.

Hole Surveys

OK 500 - 1000 - 1500 - 2000 - 2500 - 3000.

Acidization Record

Acidized by HOWCO. on 8/24/46 thru 5 1/2" casing with  
500 gals. 1800# pressure. Did not break down and  
would not take acid.  
Tried to acidize again by HOWCO. on 8/25/46 thru 5 1/2"  
casing with 500 gals. 2000# pressure. Did not break  
down and would not take acid.  
Acidized by HOWCO on 8/27/46 thru 5 1/2" casing with  
500 gals. 2000# maximum pressure. Finished 2000#.  
Used 75 Bbl. oil.  
Acidized by HOWCO on 8/30/46 thru 5 1/2" casing with  
500 gals. 2000# maximum pressure. Finished 2000#.  
Used 100 Bbl. oil.  
Acidized by HOWCO on 9/9/46 thru 5 1/2" casing with  
1000 gals. Max. pressure 1600#. Finished 1200#. Used  
85 Bbl. oil.  
Acidized by HOWCO. on 9/12/46 thru 5 1/2" casing with  
3000 gals. Max. pressure. 1400#. Finished 1100#. Used  
125 Bbl. oil.

Standardized

Drilled plug & c/o to 3604  
Bailed 1 Gal. oil in 2 hours  
Tried to acidize with 500 gals.  
Tried to acidize again with 500 gals.  
Drilled Arbuckle lime 3604 - 3608  
Bailed 1 1/2 gal. oil per hour - no water for 12 hrs.  
Drilled Arbuckle lime 3608 - 3610  
Acidized w/500 gals.  
Bailed dry - no oil or water  
Drilled Arbuckle lime 3610 - 3614  
Bailed 18 Gal. oil per hour - no water for 16 hrs.  
Acidized w/500 gals.  
Bailed 1/2 Bbl. oil per hour - no water for 12 hrs.  
after load back. Shut down for 56 hrs. to test  
fill up which was 250' bil - no water.  
Shot with 5 Qts. nitro on bottom. 300' sand on top  
of shot.



Shot with 5 Qts. Nitro on bottom on 9/4/46 with Independent Eastern Torpedo Company. TD when shot 3614. 300' sand on top of shot.

Geological notes by J. D. Morris

As there were a number of shows of oil and porous zones encountered they will be listed below. All depths are DF.

Lansing-Kansas City.

- 3330 - 31 - poor porosity and slight stain, not worth testing.
- 3372 - 75 - poor porosity and traces of stain, not worth testing.
- 3388 - 91 - traces of dark stain in poor porosity. This would not be commercial and would merit testing only as part of a comprehensive test of all Lansing-K.C. possibilities.
- 3415 - few fair stains in fair porosity, would recommend testing; 3415 - 3419 if Lane Wells shows continuous porosity.
- 3438 - 40 - dark stain and poor porosity, not worth testing.
- 3469 - 72 - some dark stain in oolitic limestone of poor porosity. This is a test possibility of doubtful value.
- 3496 - 97 - stain of dark to dead oil, not worth testing.

Viola

- 3532 - 36 - spotted stain in white chert, and saturation in porous tripoli. Gassy, but no free oil in wet sample. Should be tested as this may be commercial.

The Lansing-K.C. shows are doubtful value, and by comparison with corresponding zones within the limits of this pool, are very disappointing.

The show of oil in the Viola chert has not been logged in surrounding wells, but is the best possibility for production above the Arbuckle.

There are no other shows of oil recorded from the samples from 3200' to total depth.

Geological notes by E. P. Philbrick

This was a disappointing well and an aggravating one to complete. This James Pool is stretching out as a long narrow northwest-southeast anticline. We own the NW $\frac{1}{4}$  of this section, on which we have three producers and one dry hole. I think that we have a good enough chance of getting a 200 or 300 Ebl. well one location west of #3 and south-east of our #2 dry hole to justify a test at that location.

HYDRAFRAC TREATMENT

work commenced: Dec. 12, 1950

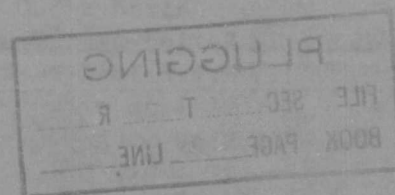
work completed: Dec. 27, 1950

Purpose of w/o: hydrafrac present prod zone in an attempt to increase production. Moved in cable tools, pulled 2" tubing & rods. Hydrafrac thru 2" tubing w/packer @ 3590', w/500# Napalm, w/1000# sand (Flint Shot); w/1500 gals kerosene w/24 bbls load oil. Pressures 2700-2500-1000# (No break in 12 min) & swab 4 BOPH for 7 hrs. w/show water. Ran tubing & rods & put on pump.

Prod before w/o: P 5 BOPD w/trace water

Prod after w/o: P 14 BO & 22 BOPD

ACID TREATMENT - Oct 12, 1953 (Prod Before: No Oil & 3/4 BOPD - Prod After: 4 BOPD & 20 BOPD)  
Acidised w/3000 gals acid thru 2" tub under pressure. Pressures 2200#-1100#. Pressure dropped to 400# ten minutes after pump shut down



15.185.13070.0000

WORK/OVER COMMENCED: 4/12/54 - Chase District Clean Out Tools  
 WORK/OVER COMPLETED: 5/13/54 - Great Bend, Kansas  
 PURPOSE OF WORK/OVER: Hydrafrac present producing zone in attempt to increase production  
 HISTORY OF WORK/OVER: Moved in Clean Out Tools & rigged up; pulled rods and tubing; ran tools to bottom, set Baker Plug @ 3570', dump 1 sx cmnt on top (3564' PB) perf 3531-36' w/24 Jet Shots; tested 3 hrs w/bailer 1 gal oil, no water per hr; set packer @ 3487', acidized thru 2" tubing w/500 gal mud-acid 2200-1100# to 950# in 5 min after pump shut down, 81 BLW, pulled tubing; swbd load back; test w/bailer 12 hrs 4 GPPH; acidized w/2000 gal acid 1425-1300# to 1000# in 15 min after pump shut down, 138 BLW; test w/bailer 3 GO & 2 GPPH; set plug @ 3504' dumped 1 sx cmnt on top (3494' PB); perf 3478-88' w/40 Jet Shots, small show gas, test w/bailer 4 hrs 1 pint oil per hour; Perf 3468-78' w/40 Jet Shots, test 1 hr 1 qt water per hr, set packer on 2" tubing @ 2990' acidized w/500 Gal Mud Acid 1650-1000#, dropped to 900# in 2 min after pump shut down, 790# in 30 min after pump shut down, 98 BLW, pulled 2" tub; swbd hole to bottom, test w/bailer 10 hrs, 1 GO & 12 GPPH; set Plug @ 3462' dumped 1/2 sx cmnt on top (3459' PB), perf 3440-56' w/64 Jet Shots; test w/bailer 7 hrs 3 GPPH w/good stain oil; acidized thru 2" tub, packer set @ 3420' w/250 gal Mud Acid & 1000 Gal Reg Acid 250#-1100# dropped to 900# in 10 min after pump shut down, 24 BLW; pulled tubing; test w/swb 8 hrs, 10 GO & 2 BPPH (heavy Dead Oil); set cmnt retainer @ 3435' and squeezed perf 3440-56' w/250 sx cmnt 2500#, returned 35 sx, pulled tubing, W. O. C.; bailed hole dry and tested dry; top of cement @ 3429'; drilled out 2' of cmnt (3431' PB); perf 3426-31' w/20 Jet Shots; test 3 hrs w/bailer & tested dry; perf 3413-22' w/36 Jet Shots, test 3 hrs w/bailer & tested dry; ran 2" tubing & set packer @ 3371', acidized thru 2" tubing w/1000 gal Reg Acid (Perf 3426-31' & 3413-22') 2000#-1400# dropped to 300# in 15 min after pumps shut down 124 BLW; pulled tubing, swbd LW back, test w/bailer 8 hrs 3 GPPH; set Plug @ 3404' dumped 1/2 sx cmnt on top (3400' PB) perf 3386-94' w/32 Jet Shots, perf 3372-76' w/16 Jet Shots; swbd LW Back; tested w/bailer 10 hrs 1 1/2 GPPH (Salt Water) ran 2" tubing w/packer set @ 3311' and acidized thru 2" tubing Perfs 3386-94' & 3372-76' w/2000 gal Regular Acid, 850-750# dropped to 425# in 5 min after pump shut down, 64 BLW, pulled tubing & swbd LW back; tested 6 hrs 1 BPPH, No Show; set Plug @ 3369' and tested dry; perf 3364-68' & 3355-59' w/32 Jet Shots, test w/bailer 10 hrs 3/4 BPPH, No show; Perf 337-42' w/20 Jet Shots, test w/bailer 12 hrs 3/4 BPPH, well temp abd - studying for abandonment. (Top Plug @ 3369')

SUPERVISED BY: R. M. Capps, MFCo Production Foreman

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