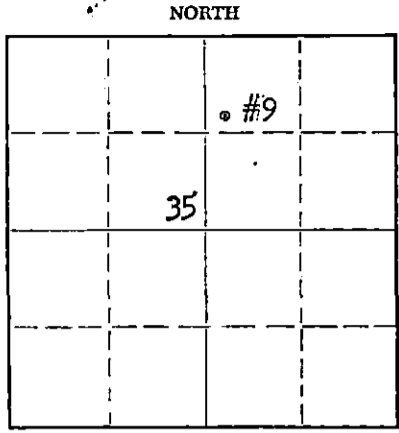


# WELL PLUGGING RECORD

STATE OF KANSAS  
 STATE CORPORATION COMMISSION  
 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. 35 Twp. 21S Rge. (E) 13 (W)  
 Location as "NE/CNW&SW" or footage from lines SW NW NE  
 Lease Owner Socony Mobil Oil Co., Inc.  
 Lease Name R. C. Gates Well No. 9  
 Office Address Box 770, Great Bend, Kansas  
 Character of Well (completed as Oil, Gas or Dry Hole) Oil  
 Date well completed 12 - 10 19 53  
 Application for plugging filed 11 - 30 19 59  
 Application for plugging approved 12 - 1 19 59  
 Plugging commenced 12 - 11 19 59  
 Plugging completed 12 - 18 19 59  
 Reason for abandonment of well or producing formation Uneconomical to produce;  
no workover possibilities  
 If a producing well is abandoned, date of last production 11 - 11 19 59  
 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, St. John, Kansas  
 Producing formation Lansing - KC Depth to top 3319 Bottom 3567 Total Depth of Well 3745 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 & Water	3442	3448	9-5/8"	281	None
				5-1/2"	3737	2632

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.

PB w/sd 3603' to 3430'; dump 4 sx cmnt to 3398'; pulled csg; heavy mud 3398 to 250'; set 10' rock bridge 250' to 240'; 20 sx cmnt to 180'; heavy mud to 40'; set 10' rock bridge 40' to 30'; 10 sx cmnt to base of cellar; filled to surf w/dirt.

12-31-59  
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(If additional description is necessary, use BACK of this sheet)  
 Name of Plugging Contractor Ace Pipe Pulling Co.  
 Address Box 304, Great Bend, Kansas

STATE OF Kansas, COUNTY OF Barton, ss.  
C. O. Turner (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) C. O. Turner  
Box 770, Great Bend, Kansas  
 (Address)

SUBSCRIBED AND SWORN to before me this 30th day of December, 19 59

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



SECTION NO. 10 - SUMMARY OF OPERATIONS

(1) DRILLING AND EXPLORATORY OPERATIONS PERFORMED

11/26/53 Spudded  
11/26/53 Set 9 5/8" casing @ 2297' w/250 ex cement.  
12/3/53 DST #1  
12/4/53 DST #2  
12/5/53 DST #3  
12/7/53 DST #4  
12/7/53 Ran Schlumberger Logs  
12/8/53 Set 5 1/2" casing @ 3745' w/175 ex cement.

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(2) COMPLETION OPERATIONS PERFORMED

12/10/53 Ran McCullough Radiation Logs  
12/10/53 Perf. #1 (3663-70' & 3672-78')  
12/11/53 Acidized Perf #1 w/500 Gal. Mud Acid  
12/12/53 Acidized Perf #1 w/2000 Gal. 15% Reg Acid  
12/14/53 Petrofac Perf #1 w/3000# cement etc.  
12/15/53 Swab 108 BLO in 24 hrs - minus 100 BLO - Swab 2 1/2" BOPH - run 2" tub & rods  
12/16/53 Set Temp Pump Unit  
12/17/53 Pump Load Oil  
12/18/53 Pump 60 BLO NW in 24 hrs - minus 40 BLO  
12/19/53 Pump 25 BLO NW in 24 hrs - minus 15 BLO  
12/20/53 Pump 15 BLO NW in 24 hrs - Load Oil recovered.  
12/21/53 Pump 14 BLO NW in 24 hrs  
12/22/53 Pump 12 BLO NW in 24 hrs JPH cor dr 35' - Allow 10 BOPH - Compl. 12/24/53

SECTION NO. 11 - FORMATION RECORD - Taken from Geological Letter

FORMATION	DEPTH	SUB-SEA	SOURCE
Huebner	3175'	-1300	Samples JHR
Brown Line	3302'	-1427	"
Lansing	3319	-1444	"
Viola	3567	-1692	"
Simpson	3607	-1732	"
Arbuckle	3661	-1786	"
Rotary Total Depth	3745		
Plug Back Depth	3715		

SCHLUMBERGER TOPS CONCUR WITH SAMPLE TOPS.

SECTION NO. 12 - PLUGGING AND ABANDONMENT RECORD:

ACID TREATMENT - 10-21-55 - Acidized w/2000 gal. 15% acid (170 BLO) thru 2" tub under pressure  
4000-28000# final 1350#.

Prod Before: 8 BOPD & no water

Prod After: No test, well down due to SWD Sys #8 not in operation

WORK COMMENTARY 10-29-55 - CONTINUED 11-28-55

REASON FOR WORK: Set existing pipe in tub down 2" line 10' from 11' in etc. and set 2" tub down  
SUMMARY OF OPERATIONS: Ran 2" tub w/ taken total 10' per 11' down etc. to 11' in etc. and set 2" tub  
1572-78 w/75 ex. 10' 30' w/ reversed SWD 2" w/ 30' pulled 2" tub 5' up, etc. etc. etc. etc. etc.  
ran 2" tub & rods & BOP - results pulled rods & rods of 11' 15' w/ 2000 gal. 15% acid etc. etc. etc.  
12000# mud & final 3000#, rate 10 BOPD, press 800# 5 min after pump 2/D used 150' SWD to 11' in etc.  
flush 1/2" rods & BOP - pump test 5 days. Last 3 days pump 2" 10' 15' 20' 25' 30' etc. etc.  
(BOP & 3000) open at 11' 15' etc.  
PROD AFTER: SWD 10-21-55 - Study for SWD  
PROD AFTER: SWD 11-11-55 - Study for SWD

MAGNOLIA PETROLEUM COMPANY  
WELL RECORD

15.185.01830.0000

Total Depth Drilled: 3715      Form No. \_\_\_\_\_      Lease Name Bo. Co. GATES  
 Oil String Set @ 3715      Serial No. \_\_\_\_\_      Well No. \_\_\_\_\_  
 Plug Back Depth 3715 (52)      COMPLETED ASS Single Oil Well      Field GATES  
 Vertical or Directional Hole Vertical      TYPE: Pumping      District CHASE  
 Parish Stafford      State KANSAS      State Reg. District Great Bend, Kansas  
 Block Section 3      Lot Township 218      Unit Range 13W      Distance from Nearest Town 1 1/2 miles East of Seward, Kansas  
 Location of Well: SW NW 1/4 - 2310, R1E 6, S13W

DATE SUMMARY	Date	Work Performed By	Remarks
Location Staked	11-20-51	L. C. Gese & Carl Turner, MPOs, Pitts, Kansas	
Excavating Pit	11-21-51	Armer Inc., Wichita, Kansas	
Commenced Erecting Derrick	11-25-51	"	
Completed Erecting Derrick	11-26-51	"	
Commenced Rigging Up	11-26-51	"	
Initial Rigging Up Completed	11-26-51	"	
Commenced Drilling (Spud Date)	11-26-51	"	
Completed Drilling (Total Depth)	11-26-51	"	
Moved In Cable Tools	12-9-51	Topping Drilling Co., Great Bend, Kas. (Sub 2000)	
Oil String Casing Set @ <u>3715</u>	12-9-51	Armer, Inc. Wichita, Kansas	
Plug Back (Final) @ <u>3715</u>	12-10-51	Topping Drilling Co., Great Bend, Kas. (Top to cement)	
Perforations (Final) @ <u>3660-70 &amp; 3672-73</u>	12-10-51	McCullough Tool Co., Great Bend, Kas.	
Completed Subsurface Installations (Final)	12-17-51	Under the supervision of R. M. Gads, M.P.O., Lawrence (Don E. Hildebrand)	
Completed Well Head Installations (Final)	12-17-51	"	
Commenced Backing in (Final)	12-17-51	"	2000# test w/2" tubing
Well Cleaned (Final)	12-20-51	"	
Commenced Abandonment		<u>COMPLETED: 12-10-51</u>	
Completed Abandonment			

\* Insert the first work started, as: Build Road, Build Board Road and Turn around, Dig Canal, Clear and/or Grade Location, Lay fuel and Water Lines, Dig Slush Pit, Build Rig Foundation, or, Install Drilling Foundation.

NO. DAYS WATER USED From: by: None      SOURCE: None  
 NO. DAYS FUEL USED      KIND: None      SOURCE: None  
 Measuring Point Well Is: Ground      Kelly Bushing: Kelly Bushing In      Surface Csg.: Surface Csg.  
 Kelly Drive Bushing: 1878      Elevation: 1571.6      To Gr. Elev.: 63.6      Surface Csg. Flg.: B      Flange Elev.: 1878

TRANSFER NO. IN 198 **CASING, TUBING, & CEMENTING RECORD**      TRANSFER NO. OUT \_\_\_\_\_

Size	Weight	Collars & Threads	KB Measure	Kind	Rgs	Jts.	Total Feet Less Threads			Total No. Scratchers and	Total No. Centralizers and Where Placed
							Put In	Pulled	Left In		
9 5/8	38.30	8 RT H-D Snds	2	9	289		289	None			
5 1/2	15.45	8 RT J55 SPC	2	122	3715		3715	None			
	4.67	8 RT J55 EDE EW	2	121	3713		3713				
9 5/8" casing set @ 289' w/250 ex cont. 11-26-51											
5 1/2" casing set @ 3715 w/175 ex cont. 12-8-51											

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**SECTION NO. 1 - PRODUCTION AND POTENTIAL TESTS DATA:**

**SINGLE OIL WELL PUMPING:** Production test completed on 12-22-51 in the Arbuckle formation zone, top 3661 bottom 3715. Perforated from 3660 to 3670 and 3672 to 3676 perforated with 5 1/2" Jet shots. Well pumped on 24 hrs test; rate per day 1 1/2 bbl. oil; no water; no gas-oil ratio. Pump set @ 3652' with 1 1/2" pump, 2" tubing and 3/4" rods, 12 - 1/2" strokes per min. Ungrated pool. This well acidized w/500 gal. 10% acid, 2000 gal. acid and perforated w/3000 gal. acid & gas, 3000# sand prior to above production tests. Grav. 31.5° corrected.

\* Following each string of casing, and using the full width of the sheet, give complete cementing record as follows: Where landed, Amount and kind of cement, Amount and kind of Additives, Stages of Cementing, Cement Tops, Slurry weight per Gal. and WOC Hours.

Give the balance of Well Record by Sections, in the order listed below, carefully following instructions in the Field Manual for each section. Use the reverse side of this sheet and subsequent sheets on Form X-6727. As needed.

- |   |   |
|---|---|
| Section 1- Production Tests and Potential Test Data | Section 7- Core Records                             |
| Section 2- Formation Summary                        | Section 8- Bit Record                               |
| Section 3- Depth Measurements                       | Section 9- Acidizing or Other Completion Operations |
| Section 4- Drill Stem Tests                         | Section 10- Summary of Operations                   |
| Section 5- Perforating and Squeeze Record           | Section 11- Formation Record                        |
| Section 6- Surveys Performed                        | Section 12- Plugging & Abandonment Record           |

Lease Name Bo. Co. GATES      Well No. 9      Sheet No. 1      of 4      Sheets

SECTION NO. 2 - FORMATION SUMMARY:

FORMATION	FROM	TO	DST NO.	ELECTRIC LOG RUN #	GR-N MIN #	REMARKS
Surface Clay & Sand	0	220				
Blue Shale & Hard Sand	220	235				
Hard Sand	235	255				
Red Bed	255	289				
Red Bed & Shells	289	660				
Red Bed, Shale & Shells	660	720				
Anhydrite	720	750				
Red Bed, Shale & Shells	750	1700				
Lime & Shale	1500	1820				
Shale & Lime	1820	2110				
Shale & Lime Shells	2110	2440				
Shale & Shells	2440	2590				
Shale & Lime Shells	2590	2709				
Broken Lime	2709	2810				
Lime & Shale	2810	2960				
Lime	2960	3095				
Lime & Shale	3095	3145				
Lime	3145	3185				
Lime & Shale	3185	3260				
Shale & Lime	3260	3319				
Lime	3319	3495				
Lime & Shale	3495	3560				
Lime	3560	3620				
Shale	3620	3655				
Lime & Shale	3655	3720				
Lime	3720	3745				
TOTAL DEPTH	3745'					
PLUG BACK DEPTH	3745'					

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(3100-3745')

McCallough Gamma Ray-Neutron /  
Schlumberger IL (289-3713')  
MLL (2919-3741')  
GR (289-3742')

SECTION NO. 3 - DEPTH MEASUREMENTS

	Drillers	Steel	Kelly Bushing to	Surface
	Depth	Line & Elect Log	B/H Flange #'	Flange Depth (*)
Drilling Depth	3745'	3745' * 3745'		3747'
Casing Seat	3745'	3745' * 3745'		3747'
Casing Seat	289'	289' * 289'		281'
Plug Back Depth	3745'	3745'		3707'
Perforations	3660-70 & 3672-78'			3652-62 & 3660-70'

(\*) Denotes correct measurements from Surface Casing Flange as permanent datum.  
Collars or Radium Markers are shown on McCallough Radiation Log.

SECTION NO. 4 - DRILL STEM TESTS

NO.	DATE	FROM	TO	OPEN HOLE	TOOL SETS	CHOKES	TIME TESTED	RESULTS
1	12/3/53	3342'	3372'	Open Hole	3342'	1/2" 1/2"	1 hour	Tool opened 1 hr w/weak blow. Rec 20' OIL & GCM, FHP 20%, SIBP 40% in 20 min.
2	12/4/53	3381'	3408'	Open Hole	3381'	3/4" 1/2"	1 hour	Tool opened 1 hr w/weak blow that Rec 28 min. Rec 4' mud w/show oil, FHP 30% SIBP 12% in 20 min.
3	12/5/53	3459'	3493'	Open Hole	3459'	5/8" 5/8"	1 1/2 hrs.	Tool opened 1 hr w/weak blow. Rec 45' mud w/show heavy oil, FHP 35%, SIBP 40% in 20 min.
4	12/7/53	3700'	3720'	Open Hole	3700'	5/8" 5/8"	1 hour	Tool opened 1 hr w/good blow throughout. Rec 45' OIL & GCM and 420' SW, FHP 16% SIBP 830% in 20 min.

SECTION NO. 5 - PERFORATING AND SQUEEZE RECORD: No squeezing performed

FROM	TO	PERFORATIONS NO.	SIZE	KIND	PLUG SETS	DST	REMARKS
3660'	3670'	64	5/8"	Jet	3745'		One Perf. 12/10/53 - Swd 9' to 6 hrs prep to clean w/500 gals mud acid.

SECTION NO. 6 - LOGS

NO.	KIND	DEPTH		BYFO DEVIATION SURVEY	
		FROM	TO	Depth	Off Vertical
1	On Lateral Log	289'	374'		
1	Micro-lateral Log	2910'	3742'	500'	1/2 Degree
1	Gamma Ray	289'	3742'	1000'	1/2 "
				1500'	1/2 "
1	McCallough R. Deviation	3500'	3729'	2000'	1/2 "
				2500'	1 Degree
				3000'	1/2 "
				3500'	None

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AVERAGE HOLE: 7 7/8"

NO DIRECTIONAL SURVEY MADE - VERTICAL HOLE

SECTION NO. 7 - CORE RECORD - Taken from Geological Letter

Top Heitner 3175', -1100', 1/2 lower than Armer's #2 Gates, ten acres East  
 Top Brown Line 3302', -1027', 1/2 lower than Armer's #2 Gates ten acres East  
 Top Lansing 3319', -1011', 1/2 lower than Armer's #2 Gates, ten acres East  
 332-25', tan fine xln ls. w/sat. str in very sp. vug. & vug. porosity. NOT DEEMED WORTH TESTING  
 3328-518', gr. fine xln ls. w/sat. str in sp. vug. porosity, some tan dense ls., live oil in wet samples. NOT DEEMED WORTH TESTING  
 3359-631', crn. fine xln ls. w/sat. str in good vug. porosity; live oil & odor in wet samples. DST #1 3342-32, open 1 hr., rec. 20' sl. oil cut mud, MFP 40#, SI 20 min.  
 3380-89', crn. fine xln ls. w/sat. str in sp. vug. por., some brn mottled finely chert. fine w/sat. str in fair intercalitic por., live oil & good odor in wet samples. NOT DEEMED WORTH TESTING.  
 3391-95', white, fine xln partly calcitic ls. w/sat. str in fine p.a. & very sp. intercalitic por., live oil & good odor in wet samples. NOT DEEMED WORTH TESTING.  
 3403-407', crn. fine xln ls. w/sp. sat. str in good calcitic por., live oil & good odor in wet samples. DST #2 3382-82, open 1 hr., rec 45' mud, spacka oil, MFP 40#, SI 20 min.  
 3410-418', crn fine xln ls. w/sp. sat. str in good calcitic por. NOT DEEMED WORTH TESTING  
 3432-431', white & crn. fine calcitic ls. w/sat. str in sp. intercalitic por. NOT DEEMED WORTH TESTING  
 3453-561', ls. gr. calcitic ls. w/sat. str in sp. intercalitic por. NOT DEEMED WORTH TESTING  
 DST #1 3453-53, open 1 hr., work blow, rec 45' mud w/specks oil, MFP 34#, SI 20 min.  
 3508-511', crn fine xln ls. w/sat. str in sp. vug. por. NOT DEEMED WORTH TESTING  
 Top Viola 3567', -1072', 1/2 lower than Armer's #2 Gates, ten acres East  
 3590-07', white & crn. porous ex. w/sat. str in sp. intercalitic por., NOT DEEMED WORTH TESTING  
 Top Simpson 3607', -1732', 1/2 lower than Armer's #2 Gates, ten acres East  
 Top Arbackis 3661', -1785', 1/2 lower than Armer's #2 Gates, ten acres East  
 3661-3745', ls. gr. & crn. calcitic to coarse xln calcite w/good str in zone up fair interxyn. calcitic & vug. por., str in spotty below 3695, good odor & live oil in wet samples. DST #1 3700-20', open 1 hr., shut in 20 min., rec 480' fluid (56' SO & GCM, 424' SW) BHP 880#

SECTION NO. 8 - BIT RECORD

No. Used	Size	Kind	From	To
1	1 3/4"	Rockbit	0	289'
11	7 7/8"	"	289	3745'

SECTION NO. 9 - ACIDIZING OR OTHER COMPLETION OPERATION:

12/11/59 - Acidized Perf #1 (3660-70 & 3672-78') w/500 gal mud acid thru 5/8" csg under pressure 900# all the way, pressure dropped to 750# in 15 min after pump shut down. 30 BHP sand in back, tested w/sw 5 hr, 1 1/2 BPH and no water.  
 12/12/59 - Acidized Perf #1 (3660-70 & 3672-78') w/2000 gal 14% reg acid thru 5/8" csg under pressure, 14/5%, pressure dropped 750# in 15 min after pump shut down. 149 BHP, sand in back, tested w/sw 24 hrs - 26 BPH & 14 SW.  
 12/14/59 - Perforated Perf #1 (3660-70 & 3672-78') w/3000 gal oil gel, 500#/ gal sand & 289 BHP, 3800#-2800#, pressure dropped 1800# in five min after pump shut down. Sand 70 BHP back, tested w/sw for 24 hours - 73 BPH & no water.