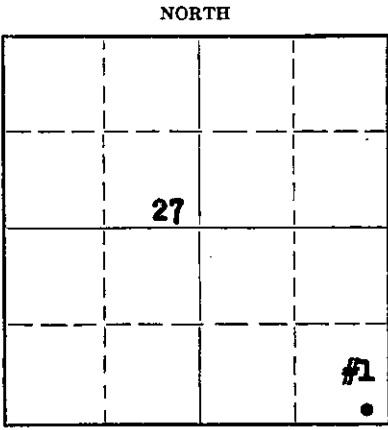


WELL PLUGGING RECORD

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

Barber County. Sec. 27 Twp. 34S Rge. (E) 13 (W)

Location as "NE/CNW/SW" or footage from lines SE SE SE  
Lease Owner Magnolia Petroleum Company  
Lease Name Blanche Sterling Well No. 1  
Office Address Box 770, Great Bend, Kansas  
Character of Well (completed as Oil, Gas or Dry Hole) Gas  
Date well completed 2 - 7 19 58  
Application for plugging filed 9 - 11 19 58  
Application for plugging approved 9 - 15 19 58  
Plugging commenced 10 - 28 19 58  
Plugging completed 10 - 31 19 58  
Reason for abandonment of well or producing formation Formation watered out.



Locate well correctly on above Section Plat

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 W. F. Lac Kamp, Stafford, Kansas  
Producing formation Elgin Sand Depth to top 3617 Bottom - Total Depth of Well 3700 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
Elgin Sand	Gas	3616	3626	8-5/8"	345	None
				5-1/2"	3699	2992.52

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 3679. Cmtd to 3550'. Heavy mud to 345'. Rock bridge 345-335. 20 ex cement to 275'. Heavy mud to 40'. Rock bridge 40 to 30. 10 ex cement to base of cellar. Surf csg cut off 3' below ground level & Plate welded on. 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  
Address Box 569, Ellinwood, Kansas

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

SUBSCRIBED AND SWORN to before me this 7th day of November, 19 58  
Harriett L. Kaiser  
Notary Public.

My commission expires January 14, 1961

Orig: Corp. Comm. ✓  
cc: W. F. Lac Kamp  
File

PLUGGING  
FILE SEC. 27 T. 34 R. 13W  
BOOK PAGE 129 LINE 10

8-54)  
**MAGNOLIA PETROLEUM COMPANY**  
**WELL RECORD**

X-1316

Total Depth Drilled 3700' (RTD) Permit No. \_\_\_\_\_ Lease Name Blanche STERLING  
 Oil String Set @ 3699' (52") Serial No. \_\_\_\_\_ Well No. 1  
 Plug Back Depth 3679' Completed as Gas Well Field Elwood  
 Vertical or Directional Hole Vertical District Chase  
 (TYPE OF WELL)  
 Parish County Barber State Kansas State Reg. District Great Bend, Kansas  
 Block Section 27 Lot Township 34S Unit Range 1 N Distance From Nearest Town 1 1/2 miles west & 2 1/2 miles north of Hardtner, Kansas  
 Location of Well: SE SE SE 1/4 34S 1 N 1 W 1/2 P 1 S 1 E 1/4 SEC 27

DATE SUMMARY	Date	Work Performed By	Remarks
Location Staked	1-12-58	F. E. Jordan & D. W. Blanka, MPCo Civil Engrs	
* Build Roads	1-13-58	Barnett Drig. Inc., Wichita, Kansas	
Commenced Erecting Derrick	1-20-58	" " " "	
Completed Erecting Derrick	1-24-58	" " " "	
Commenced Rigging Up	1-24-58	" " " "	
Initial Rigging Up Completed	1-24-58	" " " "	
Commenced Drilling (Spud Date)	1-24-58	" " " "	5:00 P.M.
Completed Drilling (Total Depth)	2-2-58	" " " "	
Moved In Cable Tools	2-5-58	Pratt Well Svcs, Pratt, Kansas	(Pulling Unit)
Oil String Casing Set	2-3-58	Barnett Drig. Inc., Wichita, Kansas	
Plug Back (Final) <u>3679'</u>	2-3-58	Pratt Well Svcs, Pratt, Kansas	
Perforations (Final) <u>3615-3617'</u>	2-5-58	PCAC	w/50 # Jetts
Completed Subsurface Installations (Final)	2-11-58	Under the Supervision of J. B. Leffetter, MPCo Production Foreman	Run 2" tbg
Completed Well Head Installations (Final)	2-11-58	Leffetter, MPCo Production Foreman	8-5/8" x 5-1/2" Don E
Commenced Bringing in (Final)	2-11-58		Flinderliter csgd
Well Cleaned (Final)	2-11-58		w/2 2" side outlets
Commenced Abandonment			2000# work press
Completed Abandonment		2-7-58 (Frac)	1000# test

\* 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 Furn by Contr : SOURCE Hauled  
 NO. DAYS FUEL USED Furn by Contr : KIND Butane : SOURCE Hauled

Measuring Point Will Be KB Ground Kelly Bushing Kelly Bushing to Surface Csg.  
 Kelly Drive Bushing. 1493' Elevation 1485' To Gr. Elev. 8' Surface Csg. Flg. 10 Flange Elev. 1483'

**Transfer No. In: 5681-5658 - CASING, TUBING, & \* CEMENTING RECORD** Transfer No. Out:

Size	Weight	Collars & Threads	Kind	Rge	Jts.	Total Feet Less Threads			Total No. Scratchers and Where Placed	Total No. Centralizers and Where Placed
						Put In	Pulled	Left In		
3-5/8"	32#	8 V thd LW line casing		1	16	345		345	None	None
5-1/2"	14#	8 RT J-55 SS casing		2	14	1417			8-(40') 3610-3650	4-3582 - 3606 3676 - 3694
5-1/2"	14#	8 RT H-40 SS casing		2	76	2272		3683		
2"	4.7#	8 RT J-55 EUE SS tubing		2	121	3603		3603		

**PLUGGING**  
 FILE SEC. 27 T 34 R 13W  
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8-5/8" csg set @ 3551' w/275 sx Pozmix No. 1, 2% chloride, pipe, slurry 15#, plug down 3:00 A.M. 1-25-58; WOC 20 hrs.  
 5-1/2" csg set @ 3699' w/150 sx Pozmix No. 1, slurry 14.2#, plug down 7:00 A.M. 2-3-58; WOC 24 hrs.

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

Dry Gas Well Completion: MPCo Nat Gas Dept test completed on 2-11-58 in the Elgin Sand formation, top 317' bottom 3700', perforated w/50 1/2" Jet shots from 3615-3617'. Well produced on absolute O/F back pressure test for 4 hours at the rate of 882 MCF/D. Shut in pressures; tubing 1150#, casing 1189#, calculated deliverability @ O/F 8862 MCF/D. Tbg press 22# / csg press 116# at the rate of 803 MCF/D.

\* 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 Record                             |
| Section 2- Formation Summary                        | Section 8- Bit Record                              |
| Section 3- Depth Measurements                       | Section 9- Acidizing or Other Completion Operation |
| 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 and Abandonment Record        |

**MAGNOLIA PETROLEUM COMPANY  
WELL RECORD**

FORMATION	FROM	TO	DST	BT	BT	BT	REMARKS
Sand	0	10					
Surface Clay	10	40					
Shale and Shells	40	355					
Shale	355	1435					
Shale and Shells	1435	1670					
Anhydrite	1670	1700					
Shale and Shells	1700	1715					
Shale and Lime	1715	2130					
Lime	2130	2250					
Lime and Shale	2250	2380					
Lime	2380	2475					
Lime & Shale	2475	3360					
Lime	3360	3700	4	MLL	11	GR	See Sec. 4 for DST results See Sec. 6 for Surveys
Rotary Total Depth		3700'					
Oil String (5 1/2") set @		3679'					
Plug Back Depth		3779'					

**SECTION NO. 3 - DEPTH MEASUREMENTS:**

	DRILLERS DEPTH	STEEL LINE	# R-N LOG # ELEC LOG	WELL BUSHING TO TABLE LOG	SURFACE FLANGE DEPTH (*)
Drilling Depth (RFD)	3700	3700	# 3697		3690
Csg Seat (Surf)	355	355	# 353		345
Csg Seat (Oil)	3699	3699			3689
Plug Back Depth	3679	3679			3669
Perforations	3616-26	3616-26			3606-16

Collars or Radiator Markers as shown on P&AC Gamma ray log.

(\*) Indicates correct measurement from surface casing flange as permanent datum.

**SECTION NO. 4 - DRILL STEEL TESTS:** Data taken from Morning Report & Sv Co Reports

No.	Date	From	To	Kind of Test	Tool @	Top Ck.	Bit Ck.	Time	Results
1	2-2-58	3604	3650	on hole	3604	3/4"	1"	1 hr 15 min	SFP110#, gas to surf in 2 1/2 min, 1930 MCF in 5 min 3310 MCF in 10 min 3970 MCF in 15 min and 20 min, 4735 MCF in 1 hr and 15 min, rec 25' gassy wtr mud w/specks of distillate, 100 SW, SFP 825# SFP 825#, ISIBIP 1019#, SI 30 min SFP 1331#, ISFP 1093# FWH 1951#

**SECTION NO. 5 - PERFORATING AND SQUEEZE RECORD:** Data taken from Morning Report & SV Co Reports

PERFORATING RECORD

No.	From	To	No. Shots	Size	Kind	% @	Dried Plug to	DST	Date
1	3616	3626	50	1/2"	Jet	3679		#1	2-5-58

SQUEEZE RECORD

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SECTION NO. 6 - CORE RECORD:

No.	Company	From	To
1	Schlumberger Gamma Ray	353	3695
1	" Lateral	353	3695
1	" Micro-lateral	3490	3695
1	PGAC Gamma Ray	3490	3678

ACID BOTTLE DEVIATION SURVEY

DEPTH	OFF VERTICAL
500	0 Degree
1000	0 Degree
1500	0 Degree
2000	0 Degree
2500	0 Degree
3000	0 Degree

NO DIRECTIONAL SURVEY - VERTICAL HOLE

AVERAGE HOLE DIAMETER 7-7/8"

SECTION NO. 7 - CORE RECORD:

NO CORES TAKEN ON THIS WELL.

SECTION NO. 8 - BIT RECORD: Data taken from Log K-1792

No. Used	Size	Kind	From	To
1	12-1/4"	Drillbit	0	355
8	7-7/8"	Reamer	355	3700

SECTION NO. 9 - ACIDIZING OR OTHER COMPLETION OPERATIONS: Data taken from Morning Report

- #1, 2-5-58, Acidize perf 3510-26 w/250 gal MCA thru 2" tbg @ 3613', max treat press 2500# min & final 700#, rate 1/2" BPM, overflush w/2 BO, 5 min SIP 275# (total 95 BLO).
- #2, 2-7-58, Sand frac perf 3510-26 thru 2" tbg @ 3613' w/4000# sd and 5000 GLO, break w/oil 1400# rate 15.5 BPM (20 BLO), max treat press 1450# min and final 1400#, rate 15.5 BPM, overflush w/35 BLO, 5 min SIP 250# (total 240 BLO).

SECTION NO. 10 - SUMMARY OF OPERATIONS: Data taken from Morning Report

(1) Drilling and Exploratory Operations Performed:

- 1-24-58 Spudded @ 4:00 P. M.
- 1-25-58 8-5/8" csg set @ 355' w/ 1/2" ex Permex No. 1 circ
- 1-31-58 Changed to oilerelson and 1-3/4"
- 2- 2-58 DST #1, 3-1/2" tbg, run w/3" cement water mud w/spoke of distillate, good show gas; TD 3700'; run Schlumberger gamma ray
- 2- 3-58 5-1/2" csg set @ 3700' w/ 1/2" ex Permex No. 1
- 2- 4-58 Dipole @ 3700' thru 2" tbg, displaced mud to oil, rotary rig released 4:00 P.M.

(2) COMPLETION OPERATIONS PERFORMED:

- 2- 5-58 Move in pulling unit; run PGAC Re log; perf 3-10-26 w/50 Jet holes; reset 2" tbg @ 3613' open end; acidize perf 3510-26 w/250 gal MCA (-95 BLO); PB 3679
- 2- 6-58 PB 3679; swab 43 BLO & MW in 3 hrs; flow 52 BLO & 6 BAW in 15 hrs (all LO rec), last 5 hrs dry; gas vol 877; flow 2700' choke, TP 150#, CP 575#; SI 4 hrs, TP 1200# CP 1200#
- 2- 7-58 Sand frac perf 3510-26 thru 2" tbg @ 3613' w/4000# sd and 5000 GLO; break w/oil 1400# rate 15.5 BPM (20 BLO), max treat press 1450# min and final 1400#, rate 15.5 BPM, overflush w/35 BLO, 5 min SIP 250# (total 240 BLO)
- 2- 8-58 Swab 13 BLO & 40 BSW in 15 hrs; flow 10 BLO & 190 BSW in 18 hrs, 18/64" choke, show (-227 BLO)
- 2- 9-58 Swab 5 BLO & 45 BSW in 15 hrs; flow 10 BLO & 190 BSW in 18 hrs, 18/64" choke, 1020 MCF/day, TP 1175#; last 3 hrs made 1 BO & 4 BSW per hr (-182 BLO)
- 2-10-58 Flow 24 BLO & 223 BSW in 24 hrs, 22/64" choke, 1930 MCF, TP 900# CP 1150# (-158 BLO), last 1/2 hr flowed 1 BLO & 8 BSW per hr
- 2-11-58 MPCo Nat Gas Dept test. SITP 1180# CP 1180# Sale O/F 9033 MCF/Day

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**MAGNOLIA PETROLEUM COMPANY  
WELL RECORD**

SECTION NO. 10 - SUMMARY OF OPERATIONS:

(2) Completion Operations Performed, Cont'd.:

1st rate 802 MCF TP 925# CP 1169# 1 hr  
 2nd rate 1366 MCF TP 915# CP 1162# 1 hr  
 3rd rate 1858 MCF TP 905# CP 1112# 1 hr  
 4th rate 2333 MCF TP 885# CP 1122# 1 hr  
 Prod 3 BLO & 30 BSW in 4 hrs (~155 BLO)

2-12-58 Shut-in - Wait on Connection

SECTION NO. 11 - FORMATION RECORD: Data taken from Geological Letter

<u>FORMATION</u>	<u>DEPTH</u>	<u>SUB-SEA</u>	<u>SOURCE</u>
Elgin Sandstone	3617	-2126	Samples RFH
Total Depth	3700		Driller
Plug Back Depth	3679		
Elgin Sandstone	3610	-2125	Schlum.
Maximum Depth Reached	3697		"

SECTION NO. 12 - PLACING AND ABANDONMENT RECORD:

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