

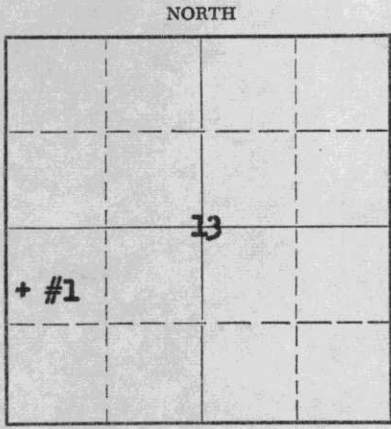
STATE OF KANSAS
STATE CORPORATION COMMISSION

WELL PLUGGING RECORD

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

Barber County, Sec. 13 Twp. 31S Rge. (E) 13 (W)

Location as "NE/CNW/SW" or footage from lines SW NW SW; 330 FWL 1650 FSL of SW/4
Lease Owner Magnolia Petroleum Company
Lease Name Jefferson LONG Well No. 1
Office Address Box 900, Dallas, Texas
Character of Well (completed as Oil, Gas or Dry Hole) Shut In Gas Well
Date well completed 2-21 19 56
Application for plugging filed 4-26 19 56
Application for plugging approved 4-27- 19 56
Plugging commenced 5-1 19 56
Plugging completed 5-5 19 56
Reason for abandonment of well or producing formation Not commercial



Locate well correctly on above
Section Plat

If a producing well is abandoned, date of last production Shut In 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 M. A. Rives
Producing formation Douglas Sand Depth to top 3576 Bottom 3706 Total Depth of Well 3725 RID Feet
Show depth and thickness of all water, oil and gas formations.

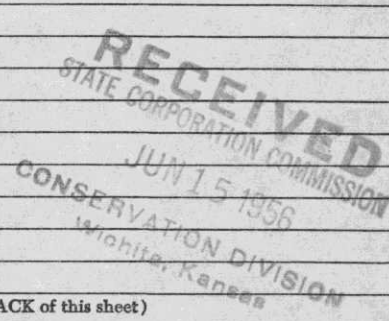
OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
Douglas Sand	Gas	3576	3706	9 5/8"	305	None
				5 1/2"	3758	2878

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.

Plug back w/sad to 3550', dump 5 sx cmnt,
pull 5 1/2" csg to 1800' & circ mud, pull
balance of 5 1/2" csg, set 5' rock bridge @
300', dump 25 sx cmnt, fill hole w/mud to
30', set 5' rock bridge, dump 10 sx cmnt
to 3' below ground level, surf csg cut off
3' below ground level & plate welded on top.



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

Name of Plugging Contractor Ace Pipe Pulling Co
Address Great Bend, Kansas

STATE OF KANSAS, COUNTY OF BARTON, SS.
R. C. Brannin (employee of owner) ~~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) [Signature]
Box 770, Great Bend, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 14th day of June, 19 56

Harriett S. Kaiser
Harriett S. Kaiser Notary Public.

My commission expires January 14, 1957

PLUGGING
FILE SEC. 13 T. 31 R. 13W
BOOK PAGE 57 LINE 17

WELL RECORD

Jefferson LONG #1 P&A
 SW NW SW Sec 13-31S-13W
 Barber County, Kansas
 Nurse Field

Elevation: 1617.5' KB
 RTD : 3725'
 PBD : 3687

Location Staked	12-30-55	L C Case & W B Simmons, MPCo Civil Engr	
Spud Date	1-4-56	Harry Bass Drlg Co., Dallas, Texas	3:30 PM
Drilling Completed	1-12-56	" "	3725' RTD
Oil String Casing Set	1-13-56	" "	3724' (5 1/2")
Plug Back Final	1-15-56	" "	3687'
Perforations (Final)	2-10-56	Welex Jet Services Inc	3584-85'

Co Compl Date: 2-21-56

Casing Record:

9 5/8" 32.3# 8 RT H-40 Smsl Stl Rge 2 Jts 9 Put In: 305' Pulled: Left In:305'

5 1/2" 14.0# 8 RT J-55 Smls Stl Rge 2 Jts 118 Put In: 3758 Pulled: 2878 Left In:880'
 (when plugged)

9 5/8" csg set @ 314' w/275 sx cmnt circ 1-5-56
 5 1/2" csg set @ 3724' w/150 sx cmnt - 75 sx reg & 75 sx 4% Gel

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

Completed as Gas Well - Shut In: MPCo Nat Gas Dept test dated 2-25-56; 2 pt test, SITP 1250# CP 1088# Calc BHP 1371#, 3/32" orifice 4 hr vol 118 MCFGPD TP 620# CP 1216#; 3/16" orifice 3 hr vol 114 MCFGPD TP 147# CP 463#; calc O/F 122 MCFGPD; prod fr perf 3573-75', 3576-78', 3581-84' & 3584-85', Douglas Sand form, 2" tub @ 3573' op ended. This well fraced prior to above test.

SECTION NO. 2 - FORMATION SUMMARY:

SECTION NO. 11 - FORMATION RECORD:

Formation	From	To
Sand, Clay	0	50
Red Bed, Sand	50	317
Red Bed, Shale Lime Strks	317	719
Red Bed, Shale, Lime	719	1434
Shale & Lime Strks	1434	1708
Shale & Lime	1708	2177
Lime & Shale Strks	2177	2434
Lime & Shale	2434	3568
Lime, Shale, Sand	3568	3654
Lime & Shale	3654	3725 RTD

Formation	Depth	Sub-Sea	Source
Douglas Sand	3576	-1960	Samples
Lansing	3706	-2090	MAF
Rotary Total Depth	3725		
Douglas Sand	3572	-1954	Schlum.
Lansing	3708	-2092	"
Total Depth	3724		

SECTION NO. 4 - DRILL STEM TESTS:

#1 1-12-56 Open hole test 3570-3600' w/tool @ 3570', op 1 hr, gas to surf in 9 min, redover 960' gassy SW, FP 95#-445# SIBHP 1375# in 20 min, HY Hd 2050#, gas vol 1020 MCF in 20 min, chokes 1" & 3/4"

SECTION NO. 5 - PERFORATING AND SQUEEZE RECORD:

Perf Record:

#1, 1-15-56, 3573-75' w/8 1/2" bullets, 3576-78' w/8 1/2" bullets & 3581-84' w/12 1/2" bullets; ran 2" tub, swb 40 BLW in 4 hrs (PB 3687)

#2, 2-10-56, 3584-85' w/1 2" Welex bullet, run 2" tub, swb 15 BTLO in 2 hrs (PB 3687)

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Squeeze Record:

- #1, 1-27-56, Diesel Oil Squeeze perf 3573-75', 3576-78' & 3581-84' thru 2" tub w/pkr @ 3548 w/100 sx DOC staged for 3 hrs, 300# stand press, flushed w/2 BLO, shut in 3 hrs, pumped 5 BLO in form @ 300#; failed to shut off wtr
- #2, 1-27-56, re-squeeze perf 3573-75', 3576-78' & 3581-84' w/100 sx DOC staged 3 hrs, 700# stand press, flush w/3 BLO, unsealed pkr, reversed out & reset @ 3548', shut in 6 hrs, pumped 5 BLO in form @ 1200# broke to 600#; swb 20 BLO in 5 hrs.

SECTION NO. 9 - ACIDIZING OR OTHER COMPLETION OPERATIONS:

- #1, 1-19-56, acidize perf 3573-75', 3576-78' & 3581-84' thru 2" tub w/100 gal MCA 1000#-500# w/50 gal in form, press drop to 200# 5 min after pump shut down (85 BLO); swb 20 BLO in 2 hrs, av gas vol 149 MCF
- #2, 1-21-56, Petrogel frac perf 3573-75', 3576-78' & 3581-84' thru 2" tub @ 3585' w/1500# sd & 1500 gal lse oil, break w/oil @ 2500#, flushed w/50 BLO rate 4.7 BPM (total 170 BLO); SI 12 hrs; swb 50 BLO in 3 hrs, well kicked off & flowed 56 BLO in 3 hrs, gas vol 1020 MCF
- #3, 1-30-56, surfactant agent treatment perf 3573-75', 3576-78' & 3581-84' thru 2" tub w/pkr @ 3548' w/50 gal Control Flow mixed w/30 BLO 1400# rate 3 BPM, flushed w/19 BLO (total 49 BLO) press drop 300# 15 min after pump shut down; SI 12 hrs, swb 16 BLO in 4 hrs, gas vol 1050 CF
- #4, 2-8-56, acidize perf 3573-75', 3576-78' & 3581-84' thru 2" tub w/pkr @ 3584 w/250 gal MCA 600#-500# press drop to 250# 5 min after pump shut down (15 BLO); swb 14 BLO in 2 hrs, gas vol 1050 CF
- #5, 2-21-56, surfactant agent treatment perf 3573-75', 3576-78', 3581-84' & 3584-85' thru 2" tub w/20 gal Freflo & 2000 gal lse oil & 50# Atomite 1200#-1075# final 1075#, drop to 500# 5 min after pump shut down, rate 2½ BPM, overflush w/42 BLO (total 176 BLO); swb 90 BLO in 7 hrs, gas vol 179 MCF

SECTION NO. 12 - PLUGGING AND ABANDONMENT RECORD:

Plugging Commenced: 5-1-56 Ace Pipe Pulling Co
 Plugging Completed: 5-5-56 Great Bend, Kansas
 History of Plugging: Plug back w/sd to 3550', dump 5 sx cmnt, pull 5½" csg to 1800' & circ mud, pull balance of 5½" csg, set 5' rock bridge @ 300', dump 25 sx cmnt, fill hole w/mud to 30', set 5' rock bridge, dump 10 sx cmnt to 3' below ground level, surf csg cut off 3' below ground level & plate welded on top. Plugging & mudding supervised by M. A. Rives, State Corp Comm District Plugging Supervisor.

Supervised By: J. B. Ledbetter, MPCo Production Foreman

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