

KANSAS DRILLERS LOG

State Geological Survey
WICHITA, BRANCHAPI No. 15 — 135 — 21,220
County Number

Operator

Wayne L. Brown

Address

Box 1029 Wichita, Kansas 67201

Well No.

#1

Lease Name

Katie Stieben

Footage Location

feet from (N) (S) line

feet from (E) (W) line

Principal Contractor

RED TIGER

Geologist

CHARLES SPEDDIN

Spud Date

JULY 3 1976

Total Depth

4386

P.B.T.D.

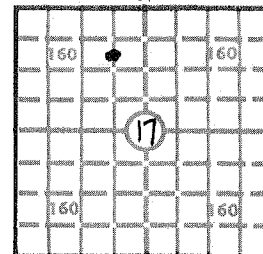
Date Completed

JULY 15 1976

Oil Purchaser

S. 17 T. 19 R. 21 X
990' SNL & 660' WEL N
Loc. ~~820' SNL & 380' WEL N~~

County Ness

640 Acres
N

Locate well correctly

Elev.: Gr. 2211

DF 2214 KB 2216

CASING RECORD

Report of all strings set— surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
SURFACE	12 1/4	8 5/8		251	Regular Portland	175	2% Sol-Calium chloride
PRODUCTION	7 7/8	4 1/2		4384	Regular Portland	325	2% sol.

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	DP's	4313 - 4317
TUBING RECORD			4	DP's	4329 - 4333
Size	Setting depth	Packer set at			
2 3/8	4344				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production

Aug 5, 1976

Producing method (flowing, pumping, gas lift, etc.)

swab

RATE OF PRODUCTION
PER 24 HOURS

Oil

240

Gas

0

Water

0

Gas-oil ratio

CFPB

Disposition of gas (vented, used on lease or sold)

Producing interval (s)

c. 1000' sand

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator <u>WAYNE L BROWN</u>		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: <u>OIL</u>			
Well No. <u>1</u>	Lease Name <u>STIEBEN</u>				
S <u>17</u> T <u>19</u> R <u>21</u> E <u>W</u>					
WELL LOG Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.			SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.		
FORMATION DESCRIPTION, CONTENTS, ETC.		TOP	BOTTOM	NAME	DEPTH
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.					
Date Received		Signature _____			
		Title _____			
		Date _____			

STATE OF KANSAS
STATE CORPORATION COMMISSION - CONSERVATION DIVISION
3830 South Meridian - Box 17027
Wichita, Kansas 67217

FORM C-2

17-19-21W

DATA AND AFFIDAVIT

(On Cementing in Surface or Drive Pipe and required by Rule 82-2-123 of the Commission for compliance with Section 55-136, 55-137 and 55-138, 1947 Supplement to G. S. Kansas 1935)

LEASE OWNER Wayne L. Brown

OFFICE ADDRESS P. O. Box 1029, Wichita, Ks. 67201

LEASE NAME Stieben WELL NO. 1 COUNTY Ness

EXACT SPOT LOCATION NE NE NW SEC. 17 TWP. 19 S RGE. 21 W (W) (E)

CONTRACTOR Red Tiger Drilling Co.

OFFICE ADDRESS 1720 KSB&T Bldg., Wichita, Ks. 67202

Drilled with (Cable) or (Rotary) tools: Date pipe set 7/3/76

SURFACE HOLE DATA

SURFACE PIPE DATA

Size of Hole 12 1/4" Csg. (new) or (used) Size 8 5/8" Wt. 28#

Depth 259' Where set 256'

METHOD OF CEMENTING

Cement: Amount and kind 175 sx Common, 2% Gel, 3% CC

Method: (By Service Co., Dump, Tog., etc.) Halliburton

Est. Height Cement behind pipe 250'

GROUND WATER INFORMATION

Depth to bottom of lowest fresh water producing stratum 100'

Name of lowest fresh water producing stratum not known

Surface elevation of well 2217'

ADDITIONAL INFORMATION

none available

(Additional information may be submitted on separate sheet)

A F F I D A V I T

STATE OF Kansas, COUNTY OF Sedgwick SS,

I, Jean Stocks, of the Red Tiger Drilling Company,
being first duly sworn on oath, state: That I have knowledge of the facts, statements
and correct.

Drillers Log

17-19-21W

Stieben No. 1

CASING RECORD:

8 5/8" @ 256'
w/175 sx cmt4 1/2" @ 4377'
2-stage
w/125 sx
+325 sx

COMPANY: Wayne L. Brown

CONTRACTOR: Red Tiger Drilling Company

COMMENCED: July 3, 1976

COMPLETED: July 15, 1976

DESCRIPTION:

NE NE NW
Sec.17-T19S-R21W
Ness County, Kansas

TOTAL DEPTH: 4380'

ELEVATION: 2217' GL

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Surface Clay & Postrock	0	40	
Shale & Sand	40	200	
Shale	200	259	
Shale & Redbeds	259	781	
Blaine Anhydrite	781	786	
Shale	786	898	
Sand	898	1000	
Sand	1000	1056	
Shale	1056	1442	
Anhydrite	1442	1485	
Shale	1485	1520	
Shale & Lime STreaks	1520	1690	
Shale & Lime Streaks	1690	1920	
Shale & Lime Streaks	1920	2194	
Lime & Shale	2194	2305	
Lime & Shale	2305	2510	
Lime & Shale	2510	2610	
Lime & Shale	2610	2725	
Lime & Shale	2725	2850	
Lime & Shale	2850	3005	
Lime & Shale	3005	3140	
Lime	3140	3275	
Lime	3275	3425	
Lime & Shale	3425	3549	
Lime & Shale	3549	3730	
Lime & Shale	3730	3840	
Lime & Shale	3840	3950	
Lime	3950	4045	
Lime & Shale	4045	4135	
Lime & Shale	4135	4200	
Lime	4200	4275	
Lime & Shale	4275	4310	
Lime & Chert	3410	3427	
Lime & Chert	3427	4350	
Lime & Chert	4350	4380	
RTD		4380	

I certify that this is a true and correct copy of the above log to the best of my knowledge

17-19-21W

ERG
Stieben #1
(Recompletion)
C SE NW
Sec 17-19S-21W
Ness, Kansas
Margheim Fld
ERG WI 100%
\$19,930
AFE 81-09-0017
D/L 12-0840-2

L-KC 3740'
Chrkc Sd 4252'
Miss. 4330'

11-12-81 MIDD. Pulled rods & tbg. Ran 3" sand pmp & CO to TD. Fluid level @ 2300' fr surf.

11-13-81 FL @ 1750' fr surf. Perforated the Cherokee Sand @ 4305-08' & 4257-60' & L-KC "J" zn 3967-71' & L-KC "B" zn 3772-75' w/4 spf. FL came up to 1735' (15' increase) Ran tbg w/pkr & RBP. Tstd tbg to 5000#. Straddled the Cherokee Sand perfs 4305-08'. Swbd dn & had no fluid increase.

11-14-81 SDOW

11-16-81 65 hr fill up fr Cherokee Sand perfs. 4305-08' was dry. Acidized perfs 4305-08' w/500 gals of NE acid (7.5% HCL & 1.5% HF) with a clay stabilizer. Flshd w/17.5 bbls of lease wtr. MP 1800#, Min P 800#, Avg P 1700#, IR 1.5 BPM. At the end of flush pmpd 1800# @ 2 3/4 BPM. Total load 29.5 bbls. ISIP 1100#, 1" 700#, 3" 400#, 5" 200#, 8" to 0#. Swb dn, rec 33.06 bbls. 1st hr tst, rec 16.24 bbls, 5% oil. FL @ 650' above perfs.

11-17-81 16 1/2 hr fill up 2500' w/125' of oil fr Cherokee Sand perfs 4305-08'. Swb dn, rec 16.8 bbls. 1st hr swb tst, rec 15.16 bbls, 8% oil. FL @ 625'. 2nd hr swb tst, rec 10.44 bbls, 10% oil. FL @ 500'. Straddled Cherokee Sand perfs 4257-60'. Swb dn, rec 9.75 bbls. 1st hr tst, rec 10.44 bbls w/scum of oil. 2nd hr tst, rec 5.8 bbls w/scum of oil. 3rd hr tst, rec 5.8 bbls with scum of oil. FL @ 400'.

11-18-81 14 1/2 hr fill up 1200' of wtr, no oil fr the Cherokee Sand perfs 4257-60'. Swb dn, rec 4.64 bbls. 1st hr tst, rec 8.12 bbls w/scum of oil. Pulled tbg, RBP & pkr. Ran tbg for production. Set tbg 6' off btm. Ran rods & put well on pump.

11-19/29-81 Tstd a tr of oil & ± 210 BWPD.

11-30-81 Tstd a tr of oil & 206 BWPD.
16 X 51 X 1 3/4.

RECEIVED
MAY 06 1982
EXPLORATION

17-19-21w P1

ERG
Steiben #1
(Recompletion)
Ness, Kansas
Margheim Fld

12-1-81 Tstd a tr of oil & ± 206 BWPD.

12-14-81 MIDD

12-15-81 Pulled rods & tbg. Ran tbg, RBP & packer. Didn't run seating nipple. Pulled tbg & pkrs.

12-16-81 Ran tbg w/seating nipple & strd Cherokee Sand perfs 4305-08'. FL @ 1600' fr surf w/400' of oil on top. Swb dn, rec 15.16 bbls. 1st hr tst, rec 15.16 bbls of dirty fluid w/light scum of oil. FL @ 3100'. 2nd hr tst, rec 10.93 bbls dirty fluid w/light scum of oil. FL @ 3300'. Had a suck & blow on annulus while swabbing.

12-17-81 14½ hr fill up 2600' of wtr, no oil fr Cherokee Sand perfs 4305-08'. Loaded hole w/42 bbls of lease wtr. Pmpd into perfs @ 4305-08' @ 1/2 BPM @ 600#. Press tstd tools & tbg to 1800#. Pressured up on perfs 4257-60 to 700# & couldn't pump inyo. Press. dropped to 500# in 3½ min. Swb dn, rec 16.24 bbls, no oil. 1st hr swb tst, rec 4.64 BW, FL @ 3850'. 2nd hr tst, rec 3.48 BW, FL @ 4000'. 3rd hr, rec 3.48 BW, FL @ 4000'.

12-18-81 14½ hr fill up 100' of wtr fr Cherokee Sand perfs 4257-60'. Swb dn, rec 3.48 bbls. 1st hr tst, rec 3.19 BW. Strd perfs 4305-08'. End of catcher @ 3108'. Swb dn, rec 32.4 bbls w/scum of oil. 1st hr tst, rec 14 bbls w/scum of oil. 2nd hr tst, rec 10.44 bbls w/scum of oil. 3rd hr tst, rec 10.44 bbls w/scum of oil. 4th hr tst, rec 8.12 bbls w/scum of oil. FL @ 500' above perfs.

12-21-81 66 hr fill up 2700' of wtr fr the Cherokee Sand perfs 4305-08'. Loaded hole w/45 BW & acidized perfs 4305-08 w/1000 gals 15% regular acid & flushed w/18 bbls of lse wtr. At first, acid pumped @ 1½ BPM @ 600# & @ the end, pumped @ 3/4 BPM @ 1000#. MP 1000#, Min P 400#, Avg P 800#, IR 1 BPM, ISIP 900#, 7" to 400#, then released pressure. Spotted 2 sx of sand on the RBP. Set the pkr @ 4214' putting the end of the tbg @ 4249'.

(cont'd)

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ERG
Steiben #1
(Recompletion)
Ness, Kansas
Margheim Fld

Cmt'd Cherokee perfs 4257-60' & 4305-08' w/50 sx of 50-50 poz w/Halad 9 followed w/25 sx common. MP 1200#, sqzd w/7½ bbls of slurry out of pipe. 1.3 bbls in casing & washed 6½ bbls out of the tubing. Reset the packer & pressured to 800#. Couldn't wash out. Pulled the pkr to 4183' & pressured to 500#. SDON.

12-22-81 Pulled tbg & pkr. Ran a 4 7/8" bit & drld out cmt fr 4252-4312'. Washed out sand fr 4312-4322'. Circ the well bore clean & pulled the bit.

12-23-81 Ran tbg w/pkr & set the pkr @ 4206 FL was @ 700'. Swbd the tbg dn & dry tstd for 1 hr. Had to wash off the RBP to move it. Couldn't get the pkr to set @ 4000'. Ran tbg to 4325' & set dn. Tried to free the packer. Started pulling the tubing.

12-24-81 Pulled the tbg & pkrs. RBP would not ratchet on mandrel.

12-25/27-81 SD for Christmas & weekend.

12-28-81 Ran a sand pump & hit solid bottom @ 4327'. Rec wtr & a little cmt. Miss perfs are 4330-41'. Ran tbg w/packer & RBP. Strd. the L-KC "J" zn (perfs 3967-71') FL was @ 1000' fr surf. Swb dn, rec 14 BW. 1st hr swb tst, rec 18.56 BW. FL in tbg was 1500'.

12-29-81 Overnight fill up 1600' fr the L-KC "J" zn. L-KC "J" zn 1st hr swb tst, rec 19.14 BW, 2nd hr, rec 18.56 BW, 3rd hr rec 18.56 BW. Moved tools & strd the L-KC "B" zn. Swb dn, rec 17.4 BW. 1st hr swb tst rec 6.96 BW, 2nd hr 6.96 BW & the 3rd hr, 5.8 BW. FL increased to 300' in tbg on each pull.

12-30-81 15 hr L-KC "B" zn FU 2675' of wtr, no oil. Pulled tbg & packers & ran tbg & bit. Drld cmt fr 4328-62' (Miss perfs 4330-41'). Bit went free from 4362-70'. Circulated the hole clean & pulled bit up 7 jts.

17-19-2/w P7

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ERG
Steiben #1
(Recompletion)
Ness, Kansas
Margheim Fld

12-31-81 Pulled tbg & bit. Ran tbg & AD-1 packer to 4322' & set the packer. Ran tbg swab & found the fluid level @ 700' fr surf. Swabbed 17.4 BW, no oil & re-set the packer. Swabbed the tbg dn & a 1/2 hr swab test recovered 75' of fluid w/a light scum of oil.

1-4-82 88 hour Miss. fill up 3500', no oil. Found packer was sheared and pulled tubing & packer. Ran a new AD-1 packer & set in tension (24") @ 4315'. FL while swabbing down stayed @ 1100' & annulus would suck and blow. Reset the packer w/30" of tension. FL dropped to 500' while swabbing and annulus stayed on a slight vacuum.

1-5-82 15 hour Miss. fill up 2600', no oil. Swabbed down and recovery had a trace of oil. FL was @ 3700' while swabbing. Reset the packer @ 4230'. Testing the Cher Sand and Miss. FL was @ 3500' while swabbing. Recovered 11.02 BW in one hour. Pulled the AD-1 packer and ran a Model G packer.

1-6-82 Finished running tubing and set the Model G packer @ 4325'. The swab down recovered 19.14 bbls of fluid. The 1st hr swab tst of the Miss recovered 1.74 BW w/a scum of oil & the FL was 250' in the tubing. The 2nd hour swab test recovered 2.32 BW w/a scum of oil. The 3rd, 4th and 5th hour swab tests recovered the same as the 2nd hour test. The FL was 300' in the tubing & they made 2 pulls per hour.

1-7-82 16 hour Miss fill up was 2700' of water with a small amount of oil. Swbd the tbg dn and acidized the Miss w/500 gals of 15% NE acid & flushed w/18 bbls of lease water. Loaded the annulus w/16 BW Max press 1000#, min press 500#, avg press 750#. IR 0.25 BPM. ISIP 400#, 1" to vac. Pumped 90 bbls of treated water dn the annulus. The swab dn rec 22.62 bbls of fluid. The 1st hour swab tst rec 11.6 bbls of water w/a good scum of oil. The 2nd hour swab test rec 8.7 bbls of water w/1% oil. The 3rd hr tst rec 4.93 bbls of water w/2% oil. The FL was 300' in the tbg @ 4 pulls/hr. Rec 17.85 bbls over the total load of 30 bbls.

17-19-21w P1

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ERG
STEIBEN #1
(Recompletion)
Ness, Kansas
Margheim Fld.

1-8-82 15½ hr Miss fill up 2600' w/10' of oil. Swbd the tbg dn and tstd. The 1st hr swb tst rec 5.22 BW, 2% oil. The 2nd hr rec 4.64 BW, 2% oil. The 3rd hr rec 4.64 BW, 2% oil also. Acidized the Miss w/1500 gals of 15% NE acid. Max press 1000#, Min press 900#, Avg press 1000#. IR 0.33 BPM. ISIP 900#, 5" to 650#, 10" to 500#, 15" to 475# and 23" to 300#. Bled off pressure & swabbed dn recovering 37.12 bbls of fluid. The last pull recovered 400' of fluid, 4% oil.

1-9-82 16 hr Miss fill up 2700' w/50' of oil. Ran rods and pump and couldn't get the well to pump up.

1-10/11-82 Shut down.

1-12-82 Long stroked well & it started pumping.

1-13-82 Tested 228 BTF w/a good scum of oil.

1-14-82 Tested 90 BTF, 2% oil. No oil to stock.

1-15-82 No test.

1-16-82 Tested 5 BO & 77 BWPD.

1-17-82 Tested 5 BO & 89 BWPD.

1-18-82 Tested 5 BO & 85 BWPD

1-19-82 Tested 5 BO & 85 BWPD.

1-20-82 Tested 4 BO & 78 BWPD.

1-27-82 **PROJECT RESULTS**
Work started 11-12-81. MIDD. Pulled rods & tbg. CO to TD. Perf'd Cherokee Sand 4305-08' & 4257-60'. L-KC "J" zn 3961-71' & L-KC "B" zn 3772-75'. Treated & swab tstd Cherokee perfs 4305-08' @ 10.4 BPH w/10% oil & perfs 4257-60' @ 5.8 BPH, no oil. POP from 11-18-81 to 12-14-81 & prod. tstd @ 206 BWPD, no oil. MIDD. Sqzd Cherokee perfs w/75 sx cmt. Swb tstd L-KC "J" zn 3967-71' @ 18.6 BWPH & L-KC "B" zn @ 5.8 BWPH, no oil. Drld out cmt & CO to TD 4370'. Set a Model G pkr @ 4325' & acidized the Miss perfs 4330-41' w/500 gal 15% NE. Swb tstd 4.6 BPH, 2% oil. Re-acidzd w/1500 gal 15% NE. POP 1-12-82. Prod before Recomp. 3 BO & 30 BWPD, after 5 BO & 85 BWPD from Miss only. TD 4370'. TAC \$39,002.
-FINAL REPORT-