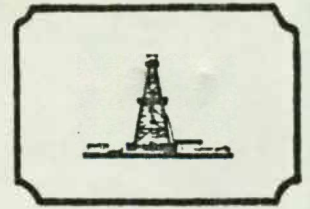
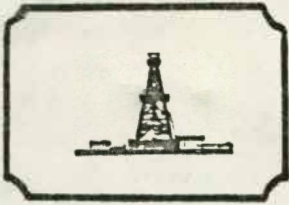


L. G. STEPHENSON & Co., INC.

670 EAST SIDE FINANCIAL CENTER
7701 EAST KELLOGG
WICHITA, KANSAS 67207
316-684-0531



Completion Report

#1 PICKENS- 235' FNL, 690' FWL NE/4
Sec. 25-15S-9W, Ellsworth County, KS

- 6/18/84 Moved in cable tools. Swabbed down to 2500'. Ran Correlation Log. Perf. 2688-96 w/4 shts/ft. Ran swb 150' gas w/trace oil. Waited 1/2 hr, ran swb, dry, waited 1/2 hr, swb, dry.
- 6/19/84 1# pressure on csg. 140' ONFU (35' O, 105' W). Approx. 650' gas on pull. Made dry run. Acidized w/250 15% MCA. Max. pre-sure 1200#. Treating 1/8 BPM. Pressure dropped to 750#, increased to 1 BPM. Pressure dropped to 500#, increased to 2 BPM. ISIP 350#, in 23" 50#. Shut in, rigged up to swab. STSwb at 11:20 a.m.
- | | | | |
|---------------|-----|----------|---------------------------------|
| 11:20 - 12:20 | Swb | 45.00 BF | (last pull, gas and show oil) |
| 12:20 - 1:20 | Swb | 24.42 BF | (show oil incr to 60% GsyO) |
| 2:15 - 3:15 | Swb | 23.68 BF | (60% oil, GTS through out pull) |
| 3:15 - 4:15 | Swb | 8.96 BF | (50% oil) |
| 4:15 - 5:15 | Swb | 5.92 BF | (50% oil) |
- 6/20/84 10# csg. pressure. 746' ONFU (182' O). STSwb at 8:35. OB at 9:30 w/21.46 BF.
- | | | | |
|---------------|-----|---------|-----------|
| 9:30 - 10:30 | Swb | 9.62 BF | (25% oil) |
| 10:30 - 11:30 | Swb | 5.92 BF | (35% oil) |
| 11:30 - 12:30 | Swb | 2.96 BF | (35% oil) |
- Acidized w/1000 20% SGA. Max. pressure zero at 5 BPM. ISIP Vac. Shut down 1 1/2 hrs. STSwb at 3:00 p.m. Fluid at 1075'. 62 barrel load.
- | | | | |
|-------------|-----|----------|--|
| 3:00 - 4:38 | Swb | 52.40 BF | (1000' off bottom) |
| 4:38 - 5:38 | Swb | 21.00 BF | (20% oil) |
| 5:38 - 6:48 | Swb | 18.00 BF | (33% oil) |
| 6:48 - 7:00 | Swb | 3.20 BF | (38% oil, last pull, hourly rate 16 Bbl) |
- 6/21/84 20# csg. pressure. 725' ONFU (350' oil). Ran tubing and rods. Preparing to set pumping equipment.

INITIAL PUMPING REPORT:

	<u>HRS.</u>	<u>BO</u>	<u>BW</u>	<u>BF</u>	<u>%Oil</u>	<u>Remarks</u>
6/27/84	13	9.36	35.10	44.46	21	
6/28/84	19	15.90	45.24	61.14	26	1388' FIH- 2# csg. pressure
6/29/84	16	17.50	41.50	59.00	30	800' FIH
6/30/84	24	16.17	54.83	71.00	23	Pounding - 65# csg. pressure
7/1/84	24	11.74	36.16	47.90	25	Pounding - 0# csg. pressure
7/2/84	24	15.00	12.00	37.00	41	Pounding - 0# csg. pressure
7/3/84	24	11.73	20.97	32.70	36	Hooked up Wtr K.O. Took 4 Bbls.

L. G. STEPHENSON & Co., Inc.

670 EAST SIDE FINANCIAL CENTER
7701 EAST KELLOGG
WICHITA, KANSAS 67207

Drilling Report

#1 PICKENS - 235' FNL 690' FWL NE/4
Sec. 25-15S-9W, Ellsworth County, KS

- 6/7/84 Moved in rotary tools. Spudded @1:00 p.m. Ran 7 jts 8 5/8" csg. Set at 299'. Cemented w/185 sxs common, 3% cc, 2% gel. Circulated. Plug down @7:00 p.m.
- 6/8/84 7:00 a.m. Drilling at 735'.
- 6/9/84 7:00 a.m. Drilling at 1810'. Running 2' high to L. G. Stephenson & Co., Inc. #1 Pflughoeft and to the Grandhaven Li. Will test Tarkio Sd. w/DST #1.
- 6/10/84 Drilling at 2175'. Running 2' high to #1 Pflughoeft at the Topeka. Preparing to test Severy Sd. w/DST #2.
- 6/11/84 Drilling at 2532'. Running 1' low to #1 Pflughoeft at the Heebner.
- 6/12/84 Running DST #4 over 80' & 90' zones. Running 4' low to #1 Pflughoeft at top of 90' zone.
- 6/13/84 Drilling at 2970'. Preparing to run casing.

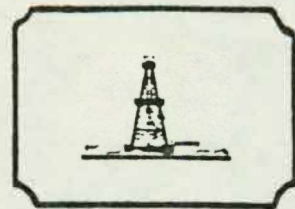
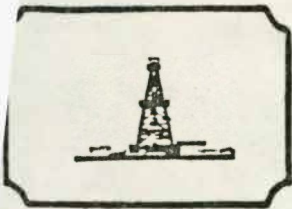
DRILL STEM TESTS:

- DST #1: 1812 - 1845. 45-45-45-45. GtS in 23". Gauged 13,700 CFGPD. Increased and stabilized at aprox. 20,000 CFGPD. Rec. 30' GCM. FP 14-28. SIP 651-616.
- DST #2: 2165 - 2207. WB through out. 30-30-30-30. Rec. 60' GIP. 10' GCM. FP 35-35. SIP 35-35.
- DST #3: 2575 - 2626. 60-45-60-45. GtS in 7". Ga. 51.4 MCF. Decreasing to 24.5 MCF at end of IFP. Ga. 72.4 MCF Declining and stabilized at 13.9 MCF in FFP. Rec. 150' GCM. FP 81-85. SIP 756-768.
- DST #4: 2669 - 2725. 60-45-60-45. SB. GtS in 100". TSTM. Rec. 400' HGCMWO (50% G, 25% O, 17% H and 8% W); 125' MGOCW (25% G, 60% O, 5% H and 10% W); 125' HGOCW (30% G, 30% O, 40% W). FP 115-228. SIP 817-782.

GEOLOGICAL TOPS - Elevation 1563 KB

TOWANDA Li	1150	(+ 413)
GRANDHAVEN Li	1810	(- 247)
TOPEKA	2193	(- 630)
HEEBNER	2455	(- 892)
IATAN	2568	(-1005)
LANSING	2586	(-1022)
90'Z POROSITY	2688	(-1125)
B.K.C..	2892	(-1329)
ARBUCKLE	2990	(-1427)
T.D.	3030	(-1467).

L. G. STEPHENSON & CO., INC.

670 EAST SIDE FINANCIAL CENTER
7701 EAST KELLOGG
WICHITA, KANSAS 67207*Drilling Report*#1 PICKENS - 235' FNL 690' FWL NE/4
Sec. 25-15S-9W, Ellsworth County, KS

- 6/7/84 Moved in rotary tools. Spudded @1:00 p.m. Ran 7 jts 8 5/8" csg. Set at 299'. Cemented w/185 sxs common, 3% cc, 2% gel. Circulated. Plug down @7:00 p.m.
- 6/8/84 7:00 a.m. Drilling at 735'.
- 6/9/84 7:00 a.m. Drilling at 1810'. Running 2' high to L. G. Stephenson & Co., Inc. #1 Pflughoeft and to the Grandhaven Li. Will test Tarkio Sd. w/DST #1.
- 6/10/84 Drilling at 2175'. Running 2' high to #1 Pflughoeft at the Topeka. Preparing to test Severy Sd. w/DST #2.
- 6/11/84 Drilling at 2532'. Running 1' low to #1 Pflughoeft at the Heebner.
- 6/12/84 Running DST #4 over 80' & 90' zones. Running 4' low to #1 Pflughoeft at top of 90' zone.
- 6/13/84 Drilling at 2970'. Preparing to run casing.

DRILL STEM TESTS:

DST #1: 1812 - 1845. 45-45-45-45. GtS in 23". Gauged 13,700 CFGPD. Increased and stabilize at approx. 20,000 CFGPD. Rec. 30' GCM. FP 14-28. SIP 651-616.

DST #2: 2165 - 2207. WB through out. 30-30-30-30. Rec. 60' GIP. 10' GCM. FP 35-35. SIP 35-35.

DST #3: 2575 - 2626. 60-45-60-45. GtS in 7". Ga. 51.4 MCF. Decreasing to 24.5 MCF at end of IFP. Ga. 72.4 MCF Declining and stabilized at 13.9 MCF in FFP. Rec. 150' GCM. FP 81-81. SIP 756-768.

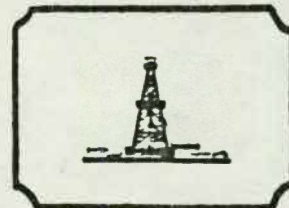
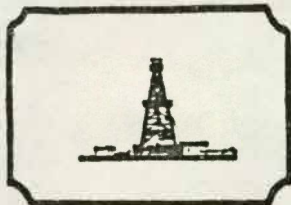
DST #4: 2669 - 2725. 60-45-60-45. SB. GtS in 100". TSTM. Rec. 400' HGCW (50% G, 25% O, 17% H and 8% W); 125' MGCO (25% G, 60% O, 5% H and 10% W); 125' HGCW (30% G, 30% O, 40% W). FP 115-228. SIP 817-782.

GEOLOGICAL TOPS - Elevation 1563 KB

TOWANDA Li	1150	(+ 413)
GRANDHAVEN Li	1810	(- 247)
TOPEKA	2193	(- 630)
HEEBNER	2455	(- 892)
IATAN	2568	(-1005)
LANSING	2586	(-1022)
90'Z POROSITY	2688	(-1125)
B.K.C..	2892	(-1329)
ARBUCKLE	2990	(-1427)
T.D.	3030	(-1467).

L. G. STEPHENSON & CO., INC.

670 EAST SIDE FINANCIAL CENTER
7701 EAST KELLOGG
WICHITA, KANSAS 67207
316-684-0531



Completion Report

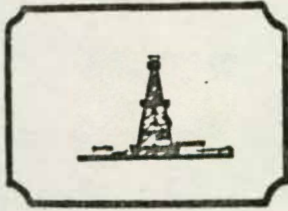
#1 PICKENS - 235' FNL, 690' FWL NE/4
Sec. 25-15S-9W, Ellsworth County, KS

6/18/84

Moved in cable tools. Swabbed down to 2500'. Ran Correlation Log. Perf. 2688-96 w/4 shts/ft. Ran swb 150' gas w/trace oil. Waited $\frac{1}{2}$ hr, ran swb, dry, waited $\frac{1}{2}$ h swb, dry.

L. G. STEPHENSON & CO., INC.

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WICHITA, KANSAS 67207
316-684-0531

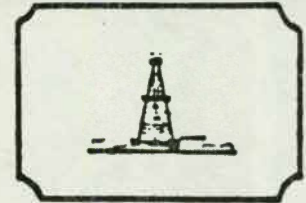
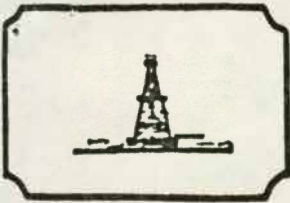


Daily Drilling & Workover Report

- 6/7/84 PICKENS #1 - Moved in rotary tools. Spudded @1:00 p.m. Ran 7 jts 8 5/8" csg. Set at 299'. Cemented w/185 sxs common, 3% cc, 2% gel. Circulated. Plug down @7:00 p.m.
- 6/8/84 PICKENS #1 - 7:00 a.m. Drilling at 735'.
- 6/9/84 PICKENS #1 - 7:00 a.m. Drilling at 1810'. Running 2' high to L. G. Stephenson & Co. Inc.'s #1 Pflughoeft and to the Grandhaven li. Will test Tarkio Sd w/DST #1. DST #1 - 1812-1845. 45-45-45-45. GtS in 23". Gauged 13,700 CFGPD. Increased and stabilized at approx. 20,000 CFGPD. Rec. 30' GCM. FP 14-28. SIP 651-616. TOWANDA Li 1150 (+413); GRANDHAVE' Li 1810 (-247).
- 6/10/84 PICKENS #1 - Drilling at 2175'. Running 2' high to #1 Pflughoeft at the Topeka. Preparing to test Severy Sd. w/DST #2. DST #2 - 2165-2207. WB through out. 30-30-30-30. Rec. 60' GIP. 10' GCM. FP 35-35. SIP 35-35. TOPEKA 2193 (-630).
- 6/11/84 PICKENS #1 - Drilling at 2532'. Running 1' low to #1 Pflughoeft at the Heebner. HEEBNER 2455 (-892).
- 6/12/84 PICKENS #1 - Running DST #4 over 80' & 90' zones. Running 4' low to #1 Pflughoeft at top of 90' zone. IATAN 2568 (-1005). LANSING 2586 (-1022). DST #3 - 2575-2660-45-60-45. GtS in 7". Ga. 51.4 MCF. Decr. to 24.5 MCF at end of IFP. Ga. 72.4 MCF declined and stabilized at 13.9 MCF in FFP. Rec. 150' GCM. FP 81-85. SIP 756-768. DST #4 - 2669-2725. 60-45-60-45. SB. GtS in 100" TSTM. Rec. 400' HGCM (50% G, 25% O, 17% M and 8% W); 125' MGCWO (25% G, 60% O, 5% M and 10% W); 125' HGOCW (30% G, 30% O, 40% W). FP 115-228. SIP 817-782.
- 6/13/84 PICKENS #1 - Drilling at 2970'. Preparing to run casing. BKC 2892 (-1329) ARBUCKLE 2990 (-1427). T.D. 3030 (-1467). Ran 69 jts 4 1/2 10.5 lb used casing. Set at 2801.36. Shoe jt. was 26.66'. Used 6 centralizers and 1 basket. Ceme w/300 sxs 60/40 Pozmix, 2% jet, 10% salt, 1/2% D31510. Float held.
- 6/14/84 PICKENS #1 - Temp. Survey indicated cement top at 1730'. Final Drilling report. (Log tops on drilling report.)
- 6/15/84 No activity.
- 6/16/84 CLARK-WELTY #1 - Pump hung up. Changed pump and put back on pump.
- 6/17/84 No activity.
- 6/18/84 PICKENS #1 - Moved in cable tools. Rigged up. Swabbed down to 2500'. Ran Correlation Log. Perf. 2688-2696 w/4 sht/ft. Ran Swb 150' gas w/trac oil. Waited 1/2 hr, ran swb, dry, waited 1/2 hr, swb dry.

G. STEPHENSON & CO., INC.

670 EAST SIDE FINANCIAL CENTER
7701 EAST KELLOGG
WICHITA, KANSAS 67207



Drilling Report

#1 PICKENS - 235' FNL, 690' FWL NE/4
Sec. 25-15S-9W, Ellsworth County, KS

- 6/7/84 Moved in rotary tools. Spudded @1:00 p.m. Ran 7 jts 8 5/8" csg. Set at 299'. Cemented w/185 sxs common, 3% cc, 2% gel. Circulated. Plug down @7:00 p.m.
- 6/8/84 7:00 a.m. Drilling at 735'.
- 6/9/84 7:00 a.m. Drilling at 1810'. Running 2' high to L. G. Stephenson & Co., Inc. #1 Pflughoeft and to the Grandhaven LS. Will test Tarkio Sd. w/DST #1.
- 6/10/84 Drilling at 2175'. Running 2' high to #1 Pflughoeft at the Topeka. Preparing to test Severy Sd. w/DST #2.
- 6/11/84 Drilling at 2532'. Running 1' low to #1 Pflughoeft at the Heebner.
- 6/12/84 Running DST #4 over 80' & 90' zones. Running 4' low to #1 Pflughoeft at top of 90' zone.
- 6/13/84 Drilling at 2970'. Preparing to run casing. Ran 69 jts 4 1/2" 10.5 lb used csg. Set at 2801.36. Shoe jt was 26.66'. Used 6 centralizers and 1 basket. Cemented w/300 sxs 60/40 Pozmix, 2% gel, 10% salt, 1/2% D31F10. Float held.
- 6/14/84 Temperature Survey indicated cement top at 1730'.

DRILL STEM TESTS:

- DST #1: 1812-1845. 45-45-45-45. GtS in 23". Ga. 13,700 CFGPD. Increased and stabilized at approx. 20,000 CFGPD. Rec. 30' GCM. FP 14-28. SIP 651-616.
- DST #2: 2165-2206. WB through out. 30-30-30-30. Rec. 60' GIP, 10' GCM. FP 35-35. SIP 35-35.
- DST #3: 2575-2626. 60-45-60-45. GtS in 7". Ga. 51.4 MCF. Decreasing to 24.5 MCF at end of IF Ga. 72.4 MCF. Declining and stabilized at 13.9 MCF in FFP. Rec. 150' GCM. FP 81-85. SIP 756-768.
- DST #4: 2669-2725. 60-45-60-45. SB GtS in 100". TSTM. Rec. 400' HGCMWO (50% G, 25% O, 17% H and 8% W); 125' MGCWO (25% G, 60% O, 5% M and 10% W); 125' HGO CW (30% G, 30% O, 40% W). FP 115-228. SIP 817-782.

GEOLOGICAL TOPS - Elevation 1563 KB

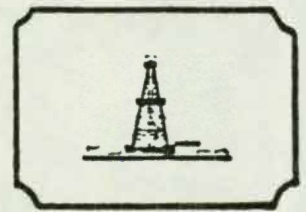
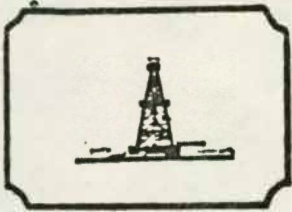
TOWANDA LS	1150 (+ 413)	1146 (+ 417)
GRANDHAVEN LS	1810 (- 247)	1807 (- 244)
TOPEKA	2193 (- 630)	2190 (- 627)
HEEBNER	2455 (- 892)	2452 (- 889)
IATAN	2568 (-1005)	2566 (-1003)
LANSING	2586 (-1023)	2584 (-1021)
90' Z POROSITY	2688 (-1125)	2686 (-1123)
B.K.C.	2892 (-1329)	2893 (-1330)
ARBUCKLE	2990 (-1427)	2994 (-1431)
T.D.	3030 (-1467)	3028 (-1465)

LOG TOPS

FINAL DRILLING REPORT

L. G. STEPHENSON & Co., Inc.

670 EAST SIDE FINANCIAL CENTER
7701 EAST KELLOGG
WICHITA, KANSAS 67207



Drilling Report

#1 PICKENS - 235' FNL 690' FWL NE/4
Sec. 25-15S-9W, Ellsworth County, KS

- 6/7/84 Moved in rotary tools. Spudded @1:00 p.m. Ran 7 jts 8 5/8" csg. Set at 299'. Cemented w/185 sxs common, 3% cc, 2% gel. Circulated. Plug down @7:00 p.m.
- 6/8/84 7:00 a.m. Drilling at 735'.
- 6/9/84 7:00 a.m. Drilling at 1810'. Running 2' high to L. G. Stephenson & Co., Inc. #1 Pflughoeft and to the Grandhaven Li. Will test Tarkio Sd. w/DST #1.
- 6/10/84 Drilling at 2175'. Running 2' high to #1 Pflughoeft at the Topeka. Preparing to test Severy Sd. w/DST #2.
- 6/11/84 Drilling at 2532'. Running 1' low to #1 Pflughoeft at the Heebner.
- 6/12/84 Running DST #4 over 80' & 90' zones. Running 4' low to #1 Pflughoeft at top of 90' zone.

DRILL STEM TESTS:

DST #1: 1812 - 1845. 45-45-45-45. GtS in 23". Gauged 13,700 CFGPD. Increased and stabilized at aprox. 20,000 CFGPD. Rec. 30' GCM. FP 14-28. SIP 651-616.

DST #2: 2165 - 2207. WB through out. 30-30-30-30. Rec. 60' GIP. 10' GCM. FP 35-35. SIP 35-3

DST #3: 2575 - 2626. 60-45-60-45. GtS in 7". Ga. 51.4 MCF. Decreasing to 24.5 MCF at end of IFP. Ga. 72.4 MCF Declining and stabilized at 13.9 MCF in FFP. Rec. 150' GCM. FP 81-85 STP 756-768.

DST #4: 2699 - 2725. 60-45-60-45. SB.

GEOLOGICAL TOPS - Elevation 1563 KB

TOWANDA Li	1150	(+ 413)
GRANDHAVEN Li	1810	(- 247)
TOPEKA	2193	(- 630)
HEEBNER	2455	(- 892)
IATAN	2568	(-1005)
LANSING	2586	(-1022)
90'Z POROSITY	2688	(-1125)