

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Carmen Schmitt, Inc.
Well Name	WP UNIT 5-7
Doc ID	1417990

Tops

Name	Top	Datum
Anhydrite	1884	545
Heebner sh.	3658	-1229
Toronto	3690	-1261
Stark Shale	3927	-1498
B/KC	3984	-1555
Marmaton	4024	-1595
Altamont	4049	-1620
Pawnee	4131	-1702
Fort Scott	4193	-1764
Cherokee Sh	4218	-1789
Miss	4291	-1862





Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: WP Unit #5-7 - Carmen Schmitt, Inc.  
API: 15-195-23053-00-00  
Location: S2-NE-NE-SW, Section 07-14S-25W  
License Number: KCC #6569  
Spud Date: May 15, 2018  
Surface Coordinates: 2200' FSL & 2310' FWL,  
of Section  
Bottom Hole Vertical Wellbore  
Coordinates: Field: Unnamed  
Ground Elevation (ft): 2424 Ft. K.B. Elevation (ft): 2429 Ft.  
Logged Interval (ft): 3400 Ft. To: 4340 Ft. Total Depth (ft): RTD 4340 Ft. LTD 4343 Ft.  
Formation: Mississippian at Total Depth  
Type of Drilling Fluid: Chemical  
Region: Trego County, Kansas  
Drilling Completed: May 21, 2018  
Results: 5-1/2" Prod. Csg Set

Printed by MudLog from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

Operator

Company: Carmen Schmitt, Inc.  
Address: PO Box 47  
Great Bend, Kansas 67530-0047

Geologist

Name: M. Bradford Rine  
Company: Consulting Geologist, Kansas Lic. #204, Wyo #189, AAPG Cert. #2647  
Address: 100 South Main, Suite #320A  
Wichita, Kansas 67202

Remarks

Based on sample observations, drill stem test results, and electric log evaluation, it was the decision of the Operator, to set production casing on the "WP Unit #5-7", on May 21, 2018.

Respectfully submitted,  
M. Bradford Rine, geologist

**Carmen Schmitt, Inc.**  
**"WP Unit #5-7"**  
**Section 07-14S-25W, Trego County, Kansas**



**Drilling Information**

**Rig: Murfin Drilling, Rig #16**

**Pump: Emsco D-375 6x14**

**Drawworks: Cardwell Royale**

**Collars: 489' 2-1/4 x 6-1/4**

**Drillpipe: 4-1/5" 16.6# XH**

**Toolpusher: Andrew Dinkel**

**Mud: Mudco (Gary Schmidtberger)**

**Gas Detector: None**

**Drill Stem Tests: Trilobite (Ken Swinney)**

**Logs: Pioneer (Ian Mabb)**

**Water: Harvey Irrigation Well (Walker Tank)**

**Company Representatives:**

**Office: Carmen Schmitt**

**Field: Curtis Hitchmann**

## Daily Drilling Status

**Date: Operations/Depth/Comments**  
 05-14-18 MIRT, RU @ 0'  
 05-15-18 Mixing Mud, Drill to 217', Ran Surf Csg, PD 8:00 PM  
 05-16-18 Drilling @ 415'  
 05-17-18 Drilling @ 2355'  
 05-18-18 Drilling @ 3305'  
 05-19-18 Short Trip to Prepare for DST #1 @ 3923'  
 05-20-18 Trip Back in Hole after DST #2@ 3950'  
 05-21-18 Short trip in Preparation for Logging @ 4340'  
 05-22-18 Completed Running Casing at 12:00 AM

	Results: Oil			(Well A) Oil		(Well B) Oil			
	Carmen Schmitt, Inc.			Carmen Schmitt, Inc.		Carmen Schmitt, Inc.			
	WP Unit #5-7			WP Unit #3-7		WP Unit #1-7			
	2200'FSL & 2310'FWL			1750'FNL & 1575'FWL		2626'FNL & 1494'FWL			
	Sec. 7-14S-25W			Sec. 7-14S-25W		Sec. 7-14S-25W			
	2429	KB		2434	KB	2439	KB	Well A	Well B
Formations	Sample	E-Log	Datum	E-Log	Datum	E-Log	Datum	Comparison(s)	
Anhydrite	1884	1884	545	1884	550	1893	546	-5	-1
B/Anhydrite	1921	1920	509	1922	512	1930	509	-3	0
Tarkio	3269	3272	-843	3273	-839	3283	-844	-4	1
Heebner Sh.	3656	3658	-1229	3661	-1227	3668	-1229	-2	0
Toronto	3688	3690	-1261	3680	-1246	3688	-1249	-15	-12
Lansing	3703	3706	-1277	3700	-1266	3706	-1267	-11	-10
Muncie Creek Sh.	3845	3848	-1419	3843	-1409	3856	-1417	-10	-2
Stark Sh.	3926	3927	-1498	3923	-1489	3937	-1498	-9	0
B/Kansas City	3983	3984	-1555	3980	-1546	3992	-1553	-9	-2
Marmaton	4022	4024	-1595	4020	-1586	4036	-1597	-9	2
Altamont	4048	4049	-1620	4045	-1611	4056	-1617	-9	-3
Pawnee	4127	4131	-1702	4125	-1691	4136	-1697	-11	-5
Ft. Scott	4190	4193	-1764	4188	-1754	4200	-1761	-10	-3
Cherokee Sh.	4215	4218	-1789	4212	-1778	4222	-1783	-11	-6
Mississippian	4287	4291	-1862	4275	-1841	4296	-1857	-21	-5
Total Depth	4340	4343	-1914	4358	-1924	4375	-1936	10	22

## Casing Record, Bit Record, Deviation Surveys

### CASING:

Conductor: None

Surface: Ran 5 jts 8-5/8" 23# , set @ 217'. (Copeland) Cement with 175 sx Common 60/40 POZ 3%CC, 2% gel. Cement did circulate. Plug down @ 8:00 PM, May 05, 2018.

Production: Ran 99 jts, new 5-1/2" 14# casing, set at 4155 ft. (Swift) Cement with 400 sx SMD @ 11.2 ppg, followed by 150 sx EA2 @ 15.3 ppg. Landed plug with 1600#. Plug held. Circulate 25 sx to pit. Job complete at 12:00 am. Release rig at 4:00 am, May 22, 2018.

### BITS:

No.	Size	Make	Model	Depth In	Depth Out	Hours
1	12-1/4	Reed	TCHCP	0	217	4.00
2	7-7/8	HTC	GX20C	217	4340	92.25

### DEVIATION SURVEYS:

Deviation:	Depth:	Deviation:	Depth:
0.25*	217'	0.75*	3923'
0.50*	3201'	1.00*	4340'

### PIPE STRAPS:

Difference:	depth:
0.11' Short	3923'



**DST #1: 3894-3923 (LKC J)**

**Times: 15-30-30-60**

**Initial Open: Stg Blow, b.o.b. 4 min,**

**Return blow built to 3" i.b.**

**Final Open: Stg Blow, b.o.b. 5 min,**

**Return blow b.o.b. 15 min**

**Rec: 1828' gas in pipe, 340' Total Fluid**

**216' GCO: 40% g 60% o**

**(Oil 35\* API)**

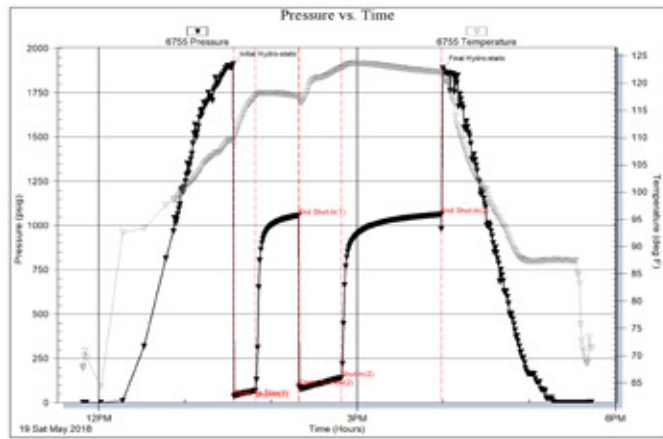
**124' HOCM: 45% o 55% m**

**IHP: 1911 FHP: 1887**

**IFP: 35-69 FFP: 94-140**

**ISIP: 1057 FSIP: 1063**

**BHT: 123°F**



**DST #2: 3933-3950 (LKC K)**

**Times: 15-30-45-60**

**Initial Open: Stg Blow, b.o.b. 5 min,**

**Return Blow built to 1"**

**Final Open: Stg Blow, b.o.b. 5-1/2 min,**

**Return Blow built to 4"**

**Rec: 1071' gas in pipe, 231' Total Fluid**

**62' MCO: 55%o 45%m**

**169' GCO: 25%g 75%o**

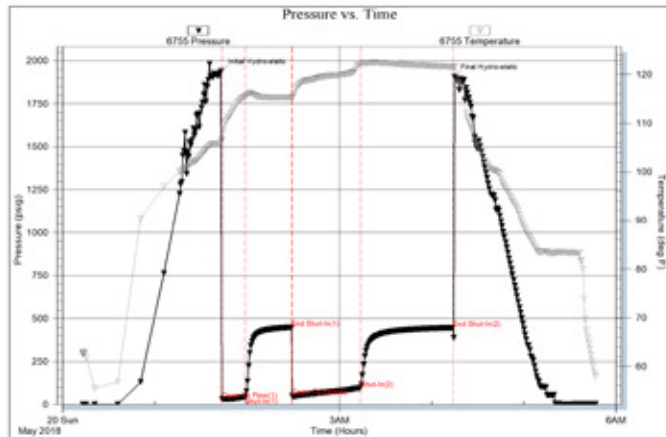
**(Oil 34\* API)**

**IHP: 1938 FHP: 1905**









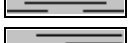
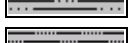



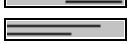
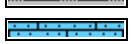
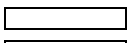
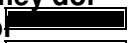



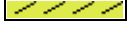
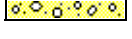
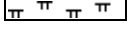





**IFP: 30-43 FFP: 50-96**

**ISIP: 448 FSIP: 446**

















**BHT: 121°F**



### Rock Types



	Congl granite wash		Bent		Dol		Salt		Till
	dol ls limey		Brec		Gyp		Shale		Siltysh
	New symbol		Cht		Igne		Shcol		Shlysiltst
	Dolom ls limey		Clyst		Lmst		Shgy		Sandyls
	New symbol		Black shale/coal		Meta		Siltst		
	Anhy		Congl		Mrlist		Ss		

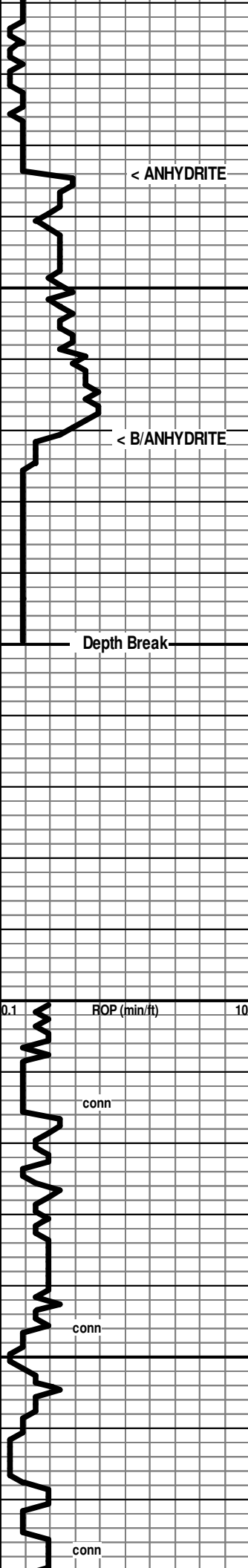
### Accessories

<b>MINERAL</b>		Gyp	<b>FOSSIL</b>		Ostra		Siltstrg
	Anhy		Hvymin		Pelec		Ssstrg
	Arggrn		Kaol		Pellet	<b>TEXTURE</b>	
	Arg		Marl		Pisolite		Boundst
	Bent		Minxl		Plant		Chalky
	Bit		Nodule		Strom		Cryxln
	Brecfrag		Phos	<b>STRINGER</b>			Earthy
	Calc		Pyr		Anhy		Finexln
	Carb		Salt		Shale		Grainst
	Chtdk		Sandy		Bent		Lithogr
	Chtlt		Silt		Coal		Microxln
	Dol		Sil		Dol		Mudst
	Feldspar		Sulphur		Gyp		Packst
	Ferrpel		Tuff		Ls		Wackest
	Ferr				Mrst		
	Glau						

### Other Symbols

<b>OIL SHOW</b>		Even		Dead	<b>INTERVAL</b>		Top & base of dsts
	Oil & gas show		Spotted		Gas		Dst
	Gas show		Trace or questionable				

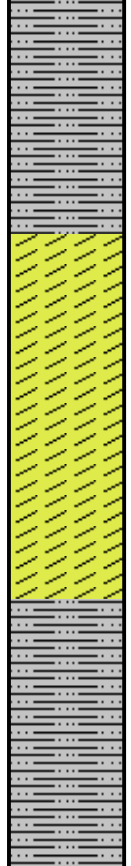
ROP (min/ft)	Depth	Lithology	Geological Descriptions	Remarks
ROP (min/ft)  0.1 ROP (min/ft) 10	1800			
	50			



1900

3400

3450



← 1884 (+545)

Anhydrite Interval based on drill time only!

← 1921 (+508)

Depth Break

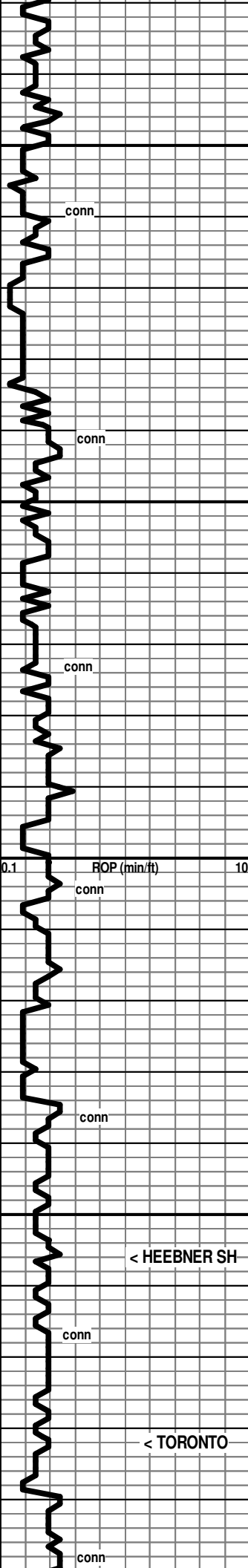
ROP (min/ft) 0.1 10

conn

conn

conn

\* Displace and Mudup @ 3178Ft!



3500

Ls cr, fn xln, pr-fr xln por, mealy-submealy text in pt, foss

Ls wh-cr, pr xln por, chalky in pt-some mushy, foss

Sh black, carb

3550

Sh gy, silty-subsilty in pt

Ls cr-tan-gy, chalky in pt, silty in pt, mostly pr xln por, some fr xln por, foss in pt

Sh gy

Ls cr, fn xln, dns to pr xln por

Sh black, carb

3600

Ls wh-cr, fn xln, chalky in pt, fr xln por in pt, foss, chert: fresh cr-tan, transl

Ls wh-cr-gy, fn xln, dns in pt, pr-fr xln por in pt, chalky in pt, foss

Ls cr, fn xln, fr-gd xln por in pt, foss to packed foss

Ls cr-tan-gy, fn xln, dns, subchalky in pt, foss

[No Odor, No fluor, scatt spots of blk dead stn, NSFO]

3650

< HEEBNER SH

← 3656 (-1227)

Sh black, carb (Tr in 3670' spl, abund in 3680' spl)

Ls wh-cr, fn xln, pr vis xln por, foss

Sh gy-gmish, subsilty text in pt

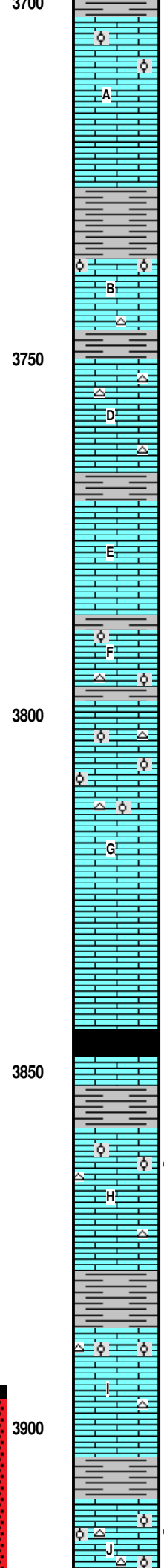
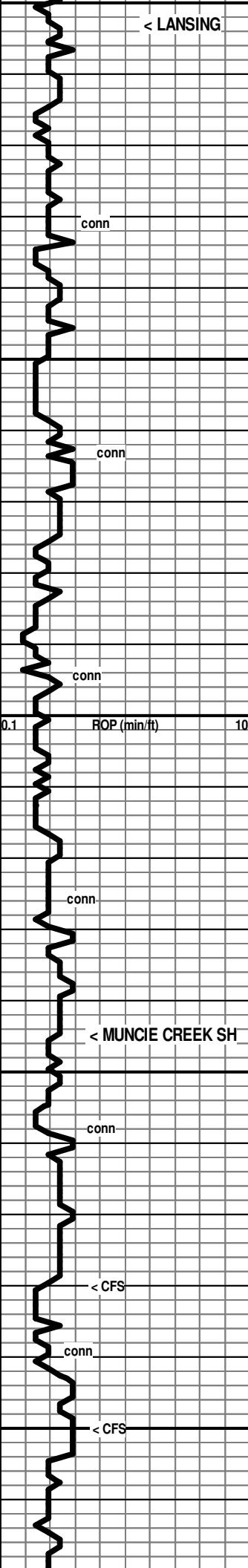
< TORONTO

← 3688 (-1259)

Ls wh-cr-tan, fn xln, dns in pt, prxln por in pt, foss

3700

Sh gy



Sh gy  
 <----- 3703 (-1274)  
 Ls wh-cr, fn xln, subchalky to chalky in pt, pr xln por in pt, ool, scatt sm oom

A

Ls wh-cr, fn xln, mds-pr xln por, foss in pt

Sh gy-black

B

Ls cr, fn xln, pr xln por, ool with scatt interool pores, foss

3750

Ls wh-cr, fn xln, dns-pr xln por, soft & chalky in pt, foss, chert: fresh, cr-tan-brn, transl

D

Ls wh-cr, fn xln, dns in pt, chalky in pt, scatt pr xln por, foss, cherty as above

E

Ls wh-cr-pl gy, fn xln, pr-fr xln por, scatt pp pores, foss

F

Ls wh-cr, fn xln, soft & chalky in pt, dolom in pt, pr-fr xln por in pt, scatt pp pores, micro ool in pt with interool pores & with scatt tiny oom, abund chert: fresh, wh-cr-tan, transl

3800

Ls wh-cr, fn xln, soft & chalky in pt, dolom in pt, pr-fr xln por in pt, scatt pp pores, micro ool in pt with interool pores & with scatt tiny oom, abund chert: fresh, wh-cr-tan, transl

G

Ls wh-cr, fn xln, dns to pr xln por, subchaky in pt, foss in pt

<----- 3845 (-1416)  
 Sh black,carb

3850

(Spils became very shaley, Hvy Rains watered down mud)

Abund Sh gy-gmish gy-dk gy

Ls wh-cr, fn xln, mostly dns, low % pcs with pr vis xln por, some subchalky, sm ool in pt (well cem), chert: tan-gy, subtransl, spic in pt

H

[No Odor, few pcs with dull spotty fluor, a few pcs total with scant spotty brn stn with sli show of lt brn FO on crush]

Sh gy-gm

I

Ls wh-cr, fn xln, subchalky in pt, pr xln por to dns, foss in pt, ool in pt, chert: fresh, gy, subtransl, spic in pt

3900

Sh gy-pl gm-gmish gy, subsilty text in pt

Ls cr-tan, fn xln, mostly pr vis xln por, some interfoss pp pores, sm foss molds, foss, ool in pt, Chert: fresh, wh-cr

J

[No Odor, mod am't of a mix of brn-dk brn-blk spotty to patchy stn, mix of gilson/resid oil to Dead & NVL oil to sli shows of brn-d brn FO on crush, Rr pcs with Fr show FO]

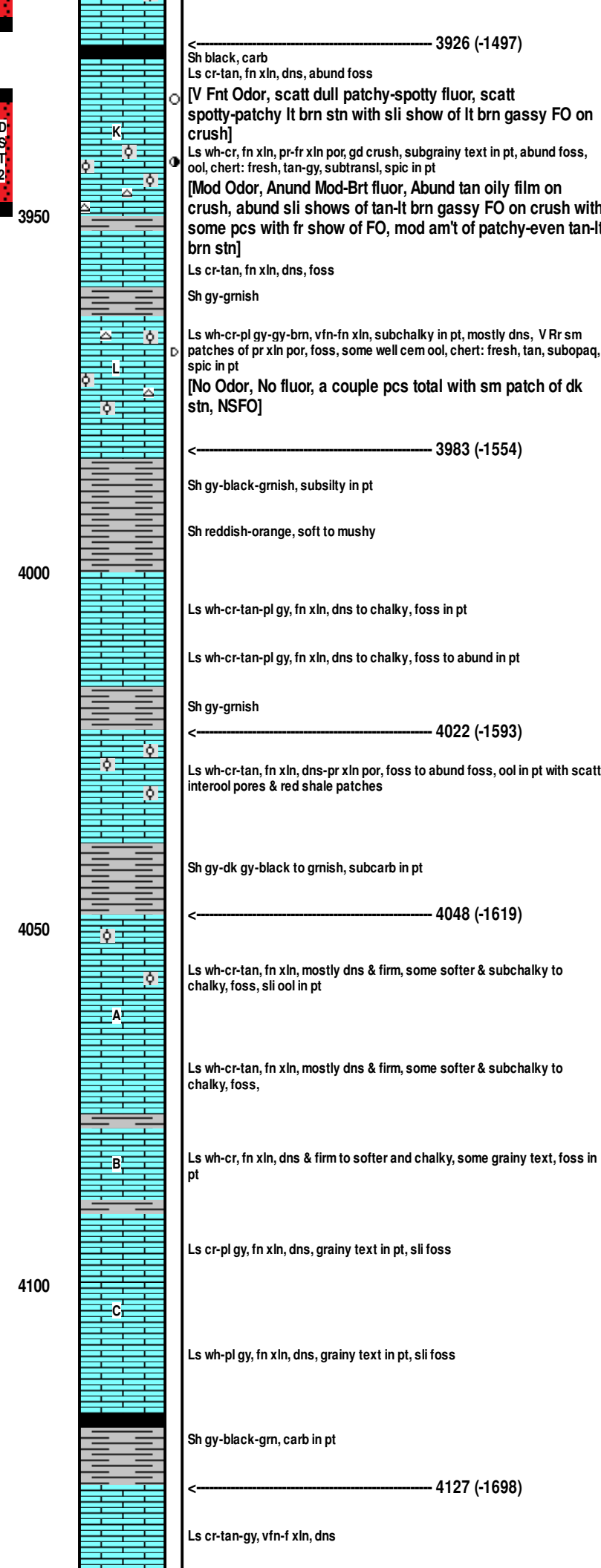
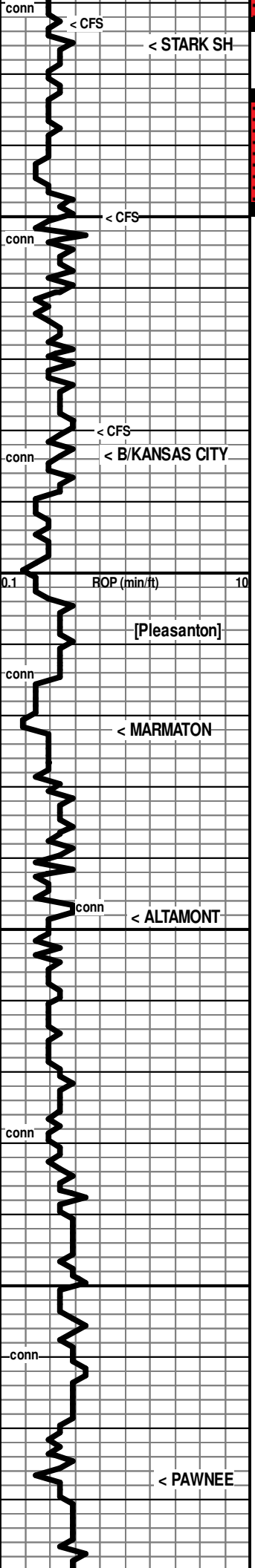
\* Heavy Rains from 9:00 PM to after Midnight!

DST #1: 3894-3923 (LKC J)  
 Times: 15-30-30-60  
 Initial Open: Stg Blow, b.o.b. 4 min, Return blow built to 3" i.b.  
 Final Open: Stg Blow, b.o.b. 5 min, Return blow b.o.b. 15 min  
 Rec: 1828' gas in pipe, 340' Total Fluid  
 216' GCO: 40% g 60% o (Oil 35\* API)  
 124' HOCM: 45% o 55% m  
 IHP: 1911 FHP: 1887  
 IFP: 35-69 FFP: 94-140  
 ISIP: 1057 FSIP: 1063  
 BHT: 123°F

\* Light plant down, backup light plant not producing adequate voltage. Therefore, working in dark with flashlights while evaluating the J Zone!

Mud Check, Prepare for DST1 @ 3923':

Vis	Wt	WL	LCM	PV	YP
60	9.1	6.0	1	16	25
Chl	Hd	pH	Solids		
2000	Tr	11.0	5.6		



7:00 AM, May 19, 2018

\* Pipe Strap @ 3923  
0.11' Short to Board

Mud Check, CTCH after DST2 @ 3950':  
 Vis Wt WL LCM PV YP  
 60 9.0 6.0 1 15 26  
 Chl Hd pH Solids  
 2000 Tr 11.0 4.9

7:00 AM, may 20, 2018

DST #2: 3933-3950 (LKC K)  
 Times: 15-30-45-60  
 Initial Open: Stg Blow, b.o.b. 5 min,  
 Return Blow built to 1"  
 Final Open: Stg Blow, b.o.b. 5-1/2 min,  
 Return Blow built to 4"  
 Rec: 1071' gas in pipe, 231' Total Fluid  
 62' MCO: 55%o 45%  
 169' GCO: 25%g 75%o  
 (Oil 34\* API)  
 IHP: 1938 FHP: 1905  
 IFP: 30-43 FFP: 50-96  
 ISIP: 448 FSP: 446  
 BHT: 121°F

← 3926 (-1497)

Sh black, carb  
 Ls cr-tan, fn xln, dns, abund foss  
 [V Fnt Odor, scatt dull patchy-spotty fluor, scatt  
 spotty-patchy lt brn stn with sli show of lt brn gassy FO on  
 crush]  
 Ls wh-cr, fn xln, pr-fr xln por, gd crush, subgrainy text in pt, abund foss,  
 ool, chert: fresh, tan-gy, subtransl, spic in pt  
 [Mod Odor, Anund Mod-Brt fluor, Abund tan oily film on  
 crush, abund sli shows of tan-lt brn gassy FO on crush with  
 some pcs with fr show of FO, mod amt of patchy-even tan-lt  
 brn stn]

Ls cr-tan, fn xln, dns, foss  
 Sh gy-gmish  
 Ls wh-cr-pl gy-gy-brn, vfn-fn xln, subchalky in pt, mostly dns, V Rr sm  
 patches of pr xln por, foss, some well cem ool, chert: fresh, tan, subopaq,  
 spic in pt  
 [No Odor, No fluor, a couple pcs total with sm patch of dk  
 stn, NSFO]

← 3983 (-1554)

Sh gy-black-gmish, subsilty in pt  
 Sh reddish-orange, soft to mushy  
 Ls wh-cr-tan-pl gy, fn xln, dns to chalky, foss in pt

← 4022 (-1593)

Ls wh-cr-tan-pl gy, fn xln, dns to chalky, foss to abund in pt  
 Sh gy-gmish  
 Ls wh-cr-tan, fn xln, dns-pr xln por, foss to abund foss, ool in pt with scatt  
 interool pores & red shale patches

← 4048 (-1619)

Sh gy-dk gy-black to gmish, subcarb in pt  
 Ls wh-cr-tan, fn xln, mostly dns & firm, some softer & subchalky to  
 chalky, foss, sli ool in pt  
 Ls wh-cr-tan, fn xln, mostly dns & firm, some softer & subchalky to  
 chalky, foss,

Ls wh-cr, fn xln, dns & firm to softer and chalky, some grainy text, foss in  
 pt

Ls cr-pl gy, fn xln, dns, grainy text in pt, sli foss

Ls wh-pl gy, fn xln, dns, grainy text in pt, sli foss

Sh gy-black-gm, carb in pt

← 4127 (-1698)

Ls cr-tan-gy, vfn-f xln, dns

< STARK SH

< B/KANSAS CITY

< MARMATON

< ALTAMONT

< PAWNEE

[Pleasanton]

FOP (min/ft)

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4050

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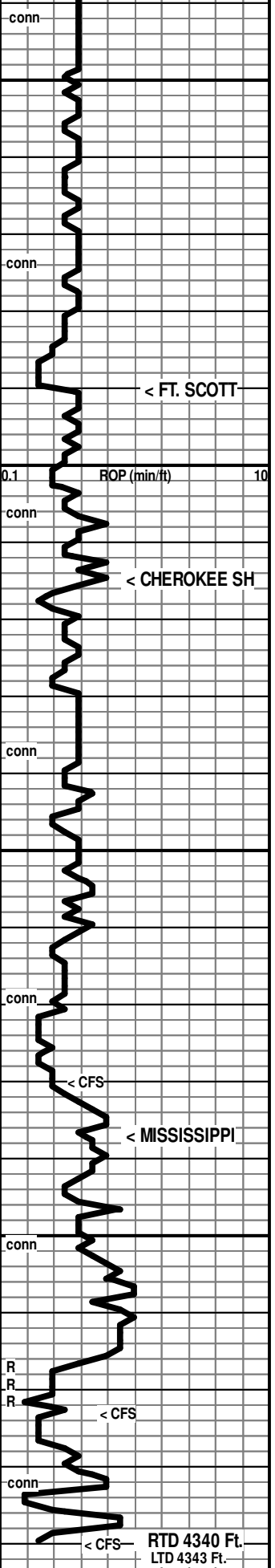
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4150  
4200  
4250  
4300  
4350

Ls cr-gy, vfn-fn xln, scatt chalky edges

Ls pl gy-gy, vfn-fn xln, dns

Sh gy-dk gy-black, carb in pt

← 4190 (-1761)

Ls wh-cr-tan, vfn-fn xln, mostly dns, some chalky, foss in pt

Sh gy

Ls wh-cr-tan, vfn-fn xln, mostly dns, Rr pr xln por, foss  
[No Odor, No fluor, a few pcs with brn-dk brn spotty stn, NSFO]

← 4215 (-1786)

Sh black, carb

Ls cr-tan, fn-vfn xln, dns, some chalky, foss, chert: fresh, tan-gy, subtransl

Ls cr-tan, fn-vfn xln, dns, some chalky, foss, chert: fresh, tan-gy, subtransl

Sh gy-grm-black, carb in pt

Ls wh-cr-tan, vfn-fn xln, dns, foss

Sh red-gy-grm-yell, subwaxy to subsilty, sdy in pt, chert: fresh, orange, transl

Chert: mostly fresh & vitreous, some subgrainy text, wh-cr-tan-yell-gy, transl-subtransl, spic in pt; various colored shales

← 4287 (-1858)

Ls wh-cr-gy, fn xln, dns, foss in pt, abund chert: fresh & spiculitic

Ls wh-cr-gy, fn xln, dns, silty text in pt-dol?, foss in pt, abund chert: fresh & spiculitic

Dol cr-pl gy, fn xln, subsucr-sucr, pr-fr xln por, scatt vugs, cherty

Dol cr-pl gy, fn xln, subsucr-sucr, pr-fr xln por, spic fresh chert; with some Ls wh-cr, fn xln, dns

Mud Check, CTCH after Short Trip @ 4340 ft':  
 Vis Wt WL LCM PV YP  
 57 9.3 6.0 1 15 24  
 Chl Hd pH Solids  
 2000 20 10.5 7.0

Total Depth 4340 Ft. Reached at  
 5:30 AM, May 21, 2018!

< FT. SCOTT

< CHEROKEE SH

< CFS

< MISSISSIPPI

< CFS

RTD 4340 Ft.  
 LTD 4343 Ft.







## DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc.**

PO Box 47  
Great Bend, KS 67530+0047

ATTN: Brad Rine

### **WP Unit #5-7**

### **7-14S-25W Trego,KS**

Start Date: 2018.05.19 @ 11:49:00

End Date: 2018.05.19 @ 17:43:02

Job Ticket #: 63490                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.05.21 @ 15:38:45



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Carmen Schmitt Inc.  
PO Box 47  
Great Bend, KS 67530+0047  
ATTN: Brad Rine

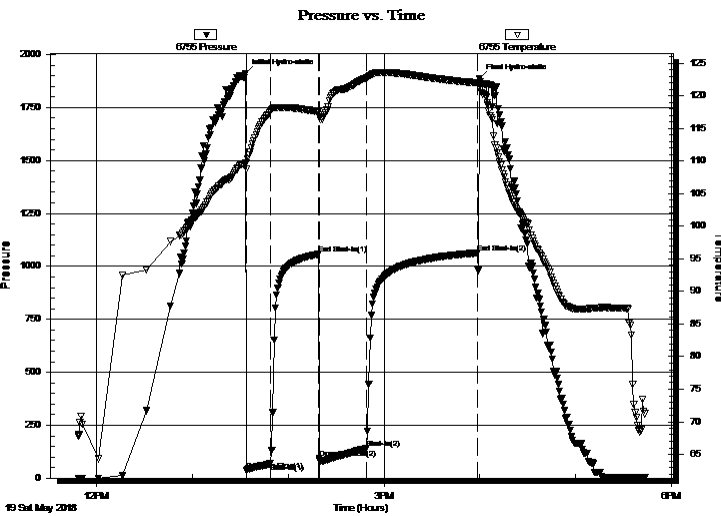
**7-14S-25W Trego,KS**  
**WP Unit #5-7**  
Job Ticket: 63490 **DST#: 1**  
Test Start: 2018.05.19 @ 11:49:00

## GENERAL INFORMATION:

Formation: **LKC J**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 13:34:02  
Time Test Ended: 17:43:02  
Interval: **3894.00 ft (KB) To 3923.00 ft (KB) (TVD)**  
Total Depth: 3923.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Ken Swinney  
Unit No: 72  
Reference Elevations: 2429.00 ft (KB)  
2424.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 6755 Inside**  
Press@RunDepth: 140.79 psig @ 3895.00 ft (KB) Capacity: psig  
Start Date: 2018.05.19 End Date: 2018.05.19 Last Calib.: 2018.05.19  
Start Time: 11:49:01 End Time: 17:43:02 Time On Btm: 2018.05.19 @ 13:33:32  
Time Off Btm: 2018.05.19 @ 15:59:32

**TEST COMMENT:** IFP 15 Minutes Blow built to BOB in 4 minutes  
ISI 30 Minutes Blow back built to 3"  
FSI 60 Minutes Blow back built to BOB in 15 minutes



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1911.31	109.67	Initial Hydro-static
1	35.69	108.76	Open To Flow (1)
16	69.33	117.64	Shut-In(1)
46	1057.97	117.60	End Shut-In(1)
46	94.18	117.10	Open To Flow (2)
76	140.79	122.78	Shut-In(2)
145	1063.83	122.02	End Shut-In(2)
146	1887.07	121.94	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	OM Oil 45% Mud 55%	1.47
216.00	GO Gas 40% Oil 60%	3.03
0.00	1828' GIP	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Carmen Schmitt Inc.  
 PO Box 47  
 Great Bend, KS 67530+0047  
 ATTN: Brad Rine

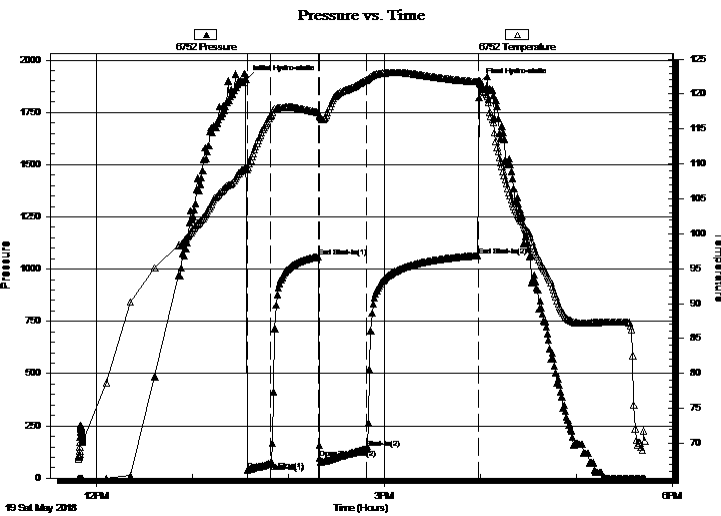
**7-14S-25W Trego, KS**  
**WP Unit #5-7**  
 Job Ticket: 63490 **DST#: 1**  
 Test Start: 2018.05.19 @ 11:49:00

## GENERAL INFORMATION:

Formation: **LKC J**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 13:34:02  
 Time Test Ended: 17:43:02  
 Interval: **3894.00 ft (KB) To 3923.00 ft (KB) (TVD)**  
 Total Depth: 3923.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 72  
 Reference Elevations: 2429.00 ft (KB)  
 2424.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 6752 Outside**  
 Press@RunDepth: 1065.48 psig @ 3896.00 ft (KB) Capacity: psig  
 Start Date: 2018.05.19 End Date: 2018.05.19 Last Calib.: 2018.05.19  
 Start Time: 11:49:01 End Time: 17:43:02 Time On Btm: 2018.05.19 @ 13:33:47  
 Time Off Btm: 2018.05.19 @ 15:59:32

**TEST COMMENT:** IFP 15 Minutes Blow built to BOB in 4 minutes  
 ISI 30 Minutes Blow back built to 3"  
 FSI 60 Mintues Blow back built to BOB in 15 minutes



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1907.69	109.32	Initial Hydro-static
1	38.09	109.14	Open To Flow (1)
16	71.93	116.97	Shut-In(1)
45	1060.17	117.33	End Shut-In(1)
46	94.66	116.94	Open To Flow (2)
76	141.09	122.06	Shut-In(2)
145	1065.48	121.77	End Shut-In(2)
146	1890.71	121.89	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	OM Oil 45% Mud 55%	1.47
216.00	GO Gas 40% Oil 60%	3.03
0.00	1828' GIP	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Carmen Schmitt Inc.

**7-14S-25W Trego,KS**

PO Box 47  
Great Bend, KS 67530+0047

**WP Unit #5-7**

Job Ticket: 63490

**DST#: 1**

ATTN: Brad Rine

Test Start: 2018.05.19 @ 11:49:00

## Tool Information

Drill Pipe:	Length: 3862.00 ft	Diameter: 3.80 inches	Volume: 54.17 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 54.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3894.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3872.00	
Hydraulic tool	5.00			3877.00	
Jars	5.00			3882.00	
Safety Joint	2.00			3884.00	
Packer - Shale	5.00			3889.00	
Packer	5.00			3894.00	27.00 Bottom Of Top Packer
Recorder	1.00	6755	Inside	3895.00	
Recorder	1.00	6752	Outside	3896.00	
Anchor	24.00			3920.00	
Bullnose	3.00			3923.00	29.00 Anchor Tool
<b>Total Tool Length:</b>	<b>56.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Carmen Schmitt Inc.  
PO Box 47  
Great Bend, KS 67530+0047  
ATTN: Brad Rine

**7-14S-25W Trego, KS**  
**WP Unit #5-7**  
Job Ticket: 63490      **DST#: 1**  
Test Start: 2018.05.19 @ 11:49:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 35 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl	
Water Loss: 5.99 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2000.00 ppm		
Filter Cake: 1.00 inches		

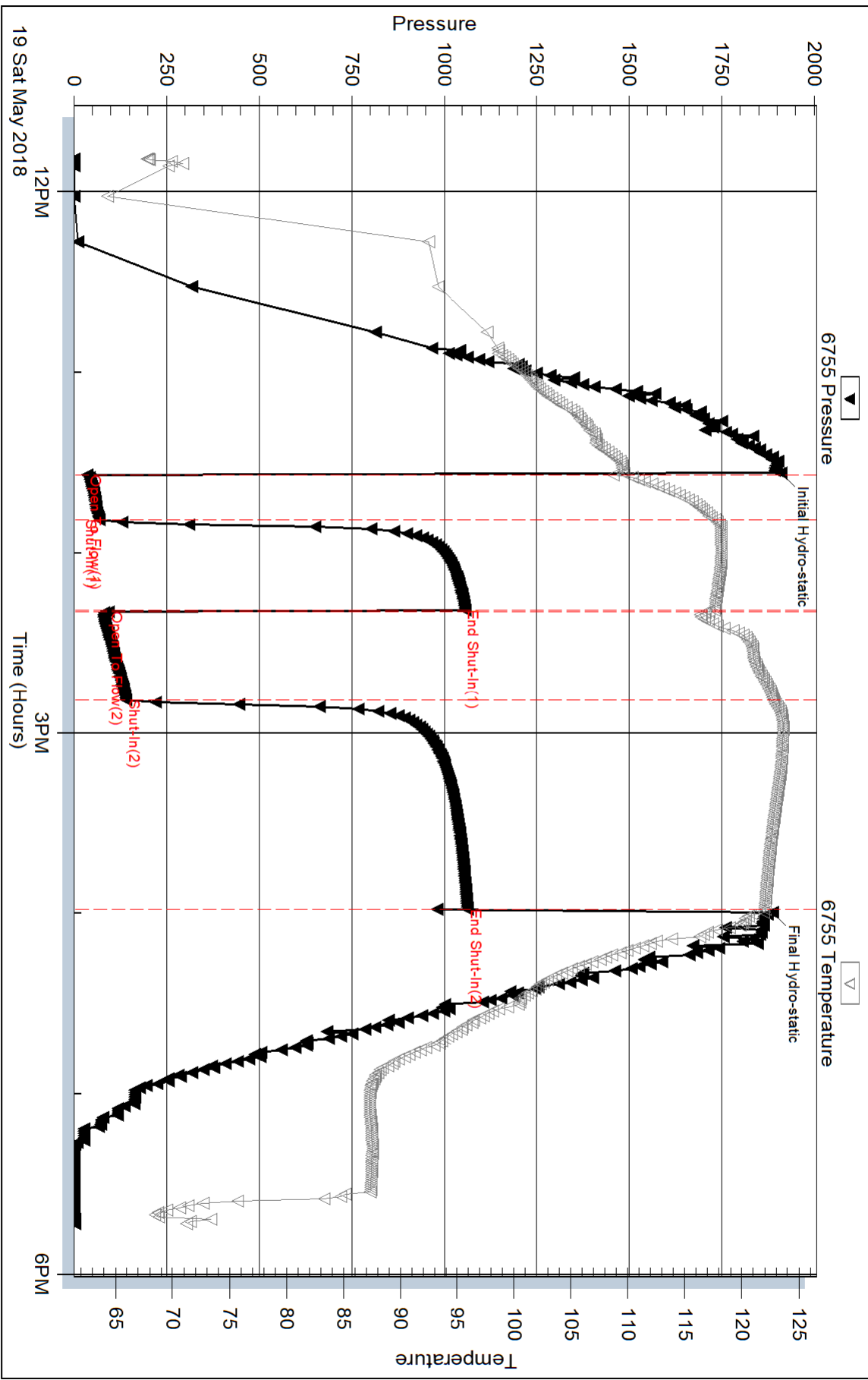
## Recovery Information

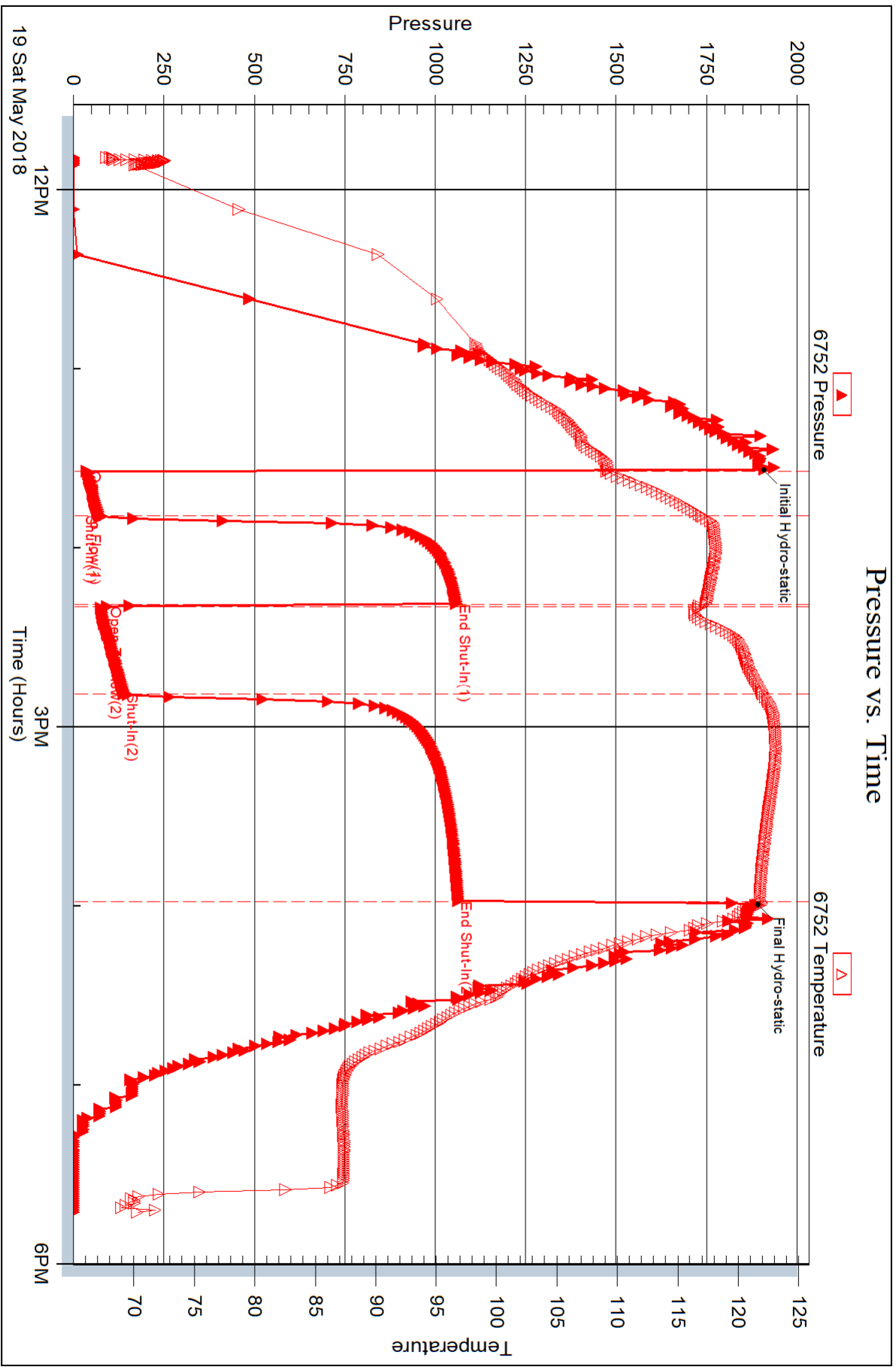
Recovery Table

Length ft	Description	Volume bbl
124.00	OM Oil 45% Mud 55%	1.466
216.00	GO Gas 40% Oil 60%	3.030
0.00	1828' GIP	0.000

Total Length: 340.00 ft      Total Volume: 4.496 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

# Pressure vs. Time







## DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc.**

PO Box 47  
Great Bend, KS 67530+0047

ATTN: Brad Rine

### **WP Unit #5-7**

### **7-14S-25W Trego,KS**

Start Date: 2018.05.20 @ 00:13:00

End Date: 2018.05.20 @ 05:47:02

Job Ticket #: 63491                      DST #: 2

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.05.21 @ 15:38:18





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Carmen Schmitt Inc.  
 PO Box 47  
 Great Bend, KS 67530+0047  
 ATTN: Brad Rine

**7-14S-25W Trego, KS**  
**WP Unit #5-7**  
 Job Ticket: 63491 **DST#: 2**  
 Test Start: 2018.05.20 @ 00:13:00

## GENERAL INFORMATION:

Formation: **LKC K**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:43:32  
 Time Test Ended: 05:47:02  
 Interval: **3933.00 ft (KB) To 3950.00 ft (KB) (TVD)**  
 Total Depth: 3950.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 72  
 Reference Elevations: 2429.00 ft (KB)  
 2424.00 ft (CF)  
 KB to GR/CF: 5.00 ft

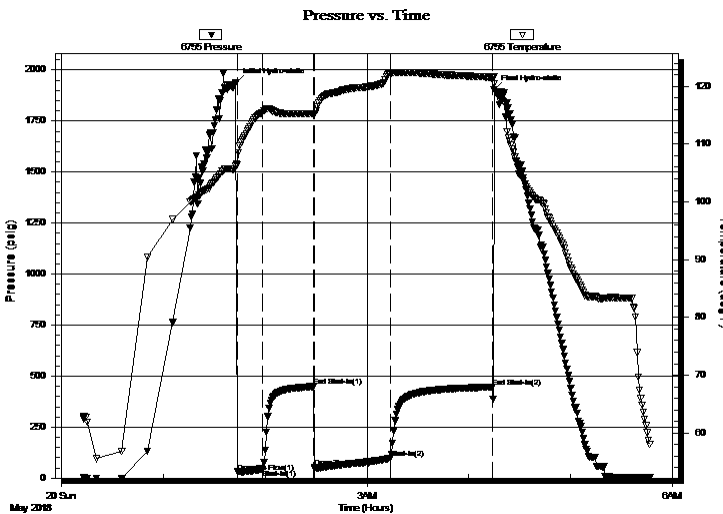
## Serial #: 6755

Inside

Press@RunDepth: 96.22 psig @ 3934.00 ft (KB) Capacity: psig  
 Start Date: 2018.05.20 End Date: 2018.05.20 Last Calib.: 2018.05.20  
 Start Time: 00:13:01 End Time: 05:47:02 Time On Btm: 2018.05.20 @ 01:43:02  
 Time Off Btm: 2018.05.20 @ 04:14:47

TEST COMMENT: IFP 15 Minutes/ Blow built to BOB in 5 minutes  
 ISI 30 Minutes/ Blow back built to 1 inch  
 FFP 45 Minutes/ Blow built to BOB in 5 1/2 minutes  
 FSI 60 Minutes/ Blow back built to 4 inches

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1938.16	106.56	Initial Hydro-static
1	30.44	106.43	Open To Flow (1)
16	43.63	115.50	Shut-In(1)
46	448.25	115.28	End Shut-In(1)
46	50.77	115.24	Open To Flow (2)
91	96.22	122.25	Shut-In(2)
151	446.61	121.58	End Shut-In(2)
152	1905.51	121.71	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	MO Mud 45% Oil 55%	0.60
169.00	GO Gas 25% Oil 75%	2.37
0.00	1071' GIP	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Carmen Schmitt Inc.  
 PO Box 47  
 Great Bend, KS 67530+0047  
 ATTN: Brad Rine

**7-14S-25W Trego, KS**  
**WP Unit #5-7**  
 Job Ticket: 63491 **DST#: 2**  
 Test Start: 2018.05.20 @ 00:13:00

## GENERAL INFORMATION:

Formation: **LKC K**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:43:32  
 Time Test Ended: 05:47:02  
 Interval: **3933.00 ft (KB) To 3950.00 ft (KB) (TVD)**  
 Total Depth: 3950.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 72  
 Reference Elevations: 2429.00 ft (KB)  
 2424.00 ft (CF)  
 KB to GR/CF: 5.00 ft

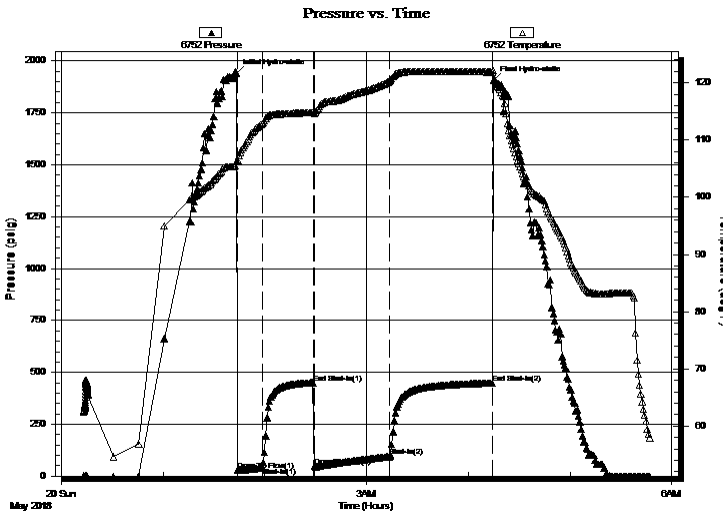
## Serial #: 6752

Outside

Press@RunDepth: 448.09 psig @ 3935.00 ft (KB) Capacity: psig  
 Start Date: 2018.05.20 End Date: 2018.05.20 Last Calib.: 2018.05.20  
 Start Time: 00:13:01 End Time: 05:47:02 Time On Btm: 2018.05.20 @ 01:43:17  
 Time Off Btm: 2018.05.20 @ 04:14:47

TEST COMMENT: IFP 15 Minutes/ Blow built to BOB in 5 minutes  
 ISI 30 Minutes/ Blow back built to 1 inch  
 FFP 45 Minutes/ Blow built to BOB in 5 1/2 minutes  
 FSI 60 Minutes/ Blow back built to 4 inches

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1940.64	106.23	Initial Hydro-static
1	29.97	106.22	Open To Flow (1)
16	42.41	112.91	Shut-In(1)
46	450.15	114.82	End Shut-In(1)
46	49.67	114.69	Open To Flow (2)
91	94.35	120.46	Shut-In(2)
151	448.09	121.90	End Shut-In(2)
152	1907.32	122.18	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	MO Mud 45% Oil 55%	0.60
169.00	GO Gas 25% Oil 75%	2.37
0.00	1071' GIP	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Carmen Schmitt Inc.

**7-14S-25W Trego,KS**

PO Box 47  
Great Bend, KS 67530+0047

**WP Unit #5-7**

Job Ticket: 63491

**DST#: 2**

ATTN: Brad Rine

Test Start: 2018.05.20 @ 00:13:00

## Tool Information

Drill Pipe:	Length: 3895.00 ft	Diameter: 3.80 inches	Volume: 54.64 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 54.79 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3933.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3911.00	
Hydraulic tool	5.00			3916.00	
Jars	5.00			3921.00	
Safety Joint	2.00			3923.00	
Packer - Shale	5.00			3928.00	
Packer	5.00			3933.00	27.00 Bottom Of Top Packer
Recorder	1.00	6755	Inside	3934.00	
Recorder	1.00	6752	Outside	3935.00	
Anchor	12.00			3947.00	
Bullnose	3.00			3950.00	17.00 Anchor Tool
<b>Total Tool Length:</b>	<b>44.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Carmen Schmitt Inc.  
PO Box 47  
Great Bend, KS 67530+0047  
ATTN: Brad Rine

**7-14S-25W Trego, KS**  
**WP Unit #5-7**  
Job Ticket: 63491      **DST#: 2**  
Test Start: 2018.05.20 @ 00:13:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl	
Water Loss: 5.99 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2000.00 ppm		
Filter Cake: 1.00 inches		

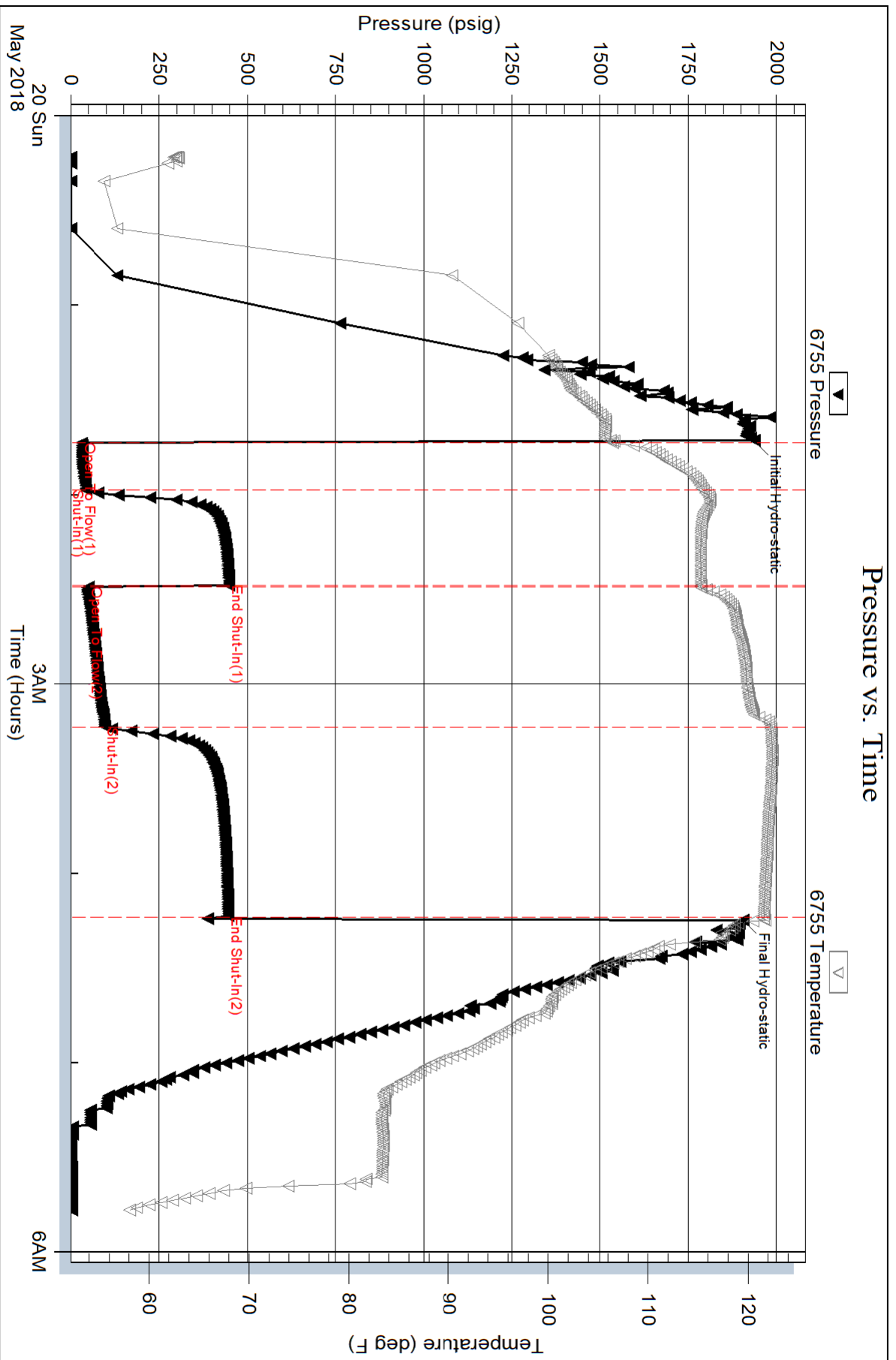
## Recovery Information

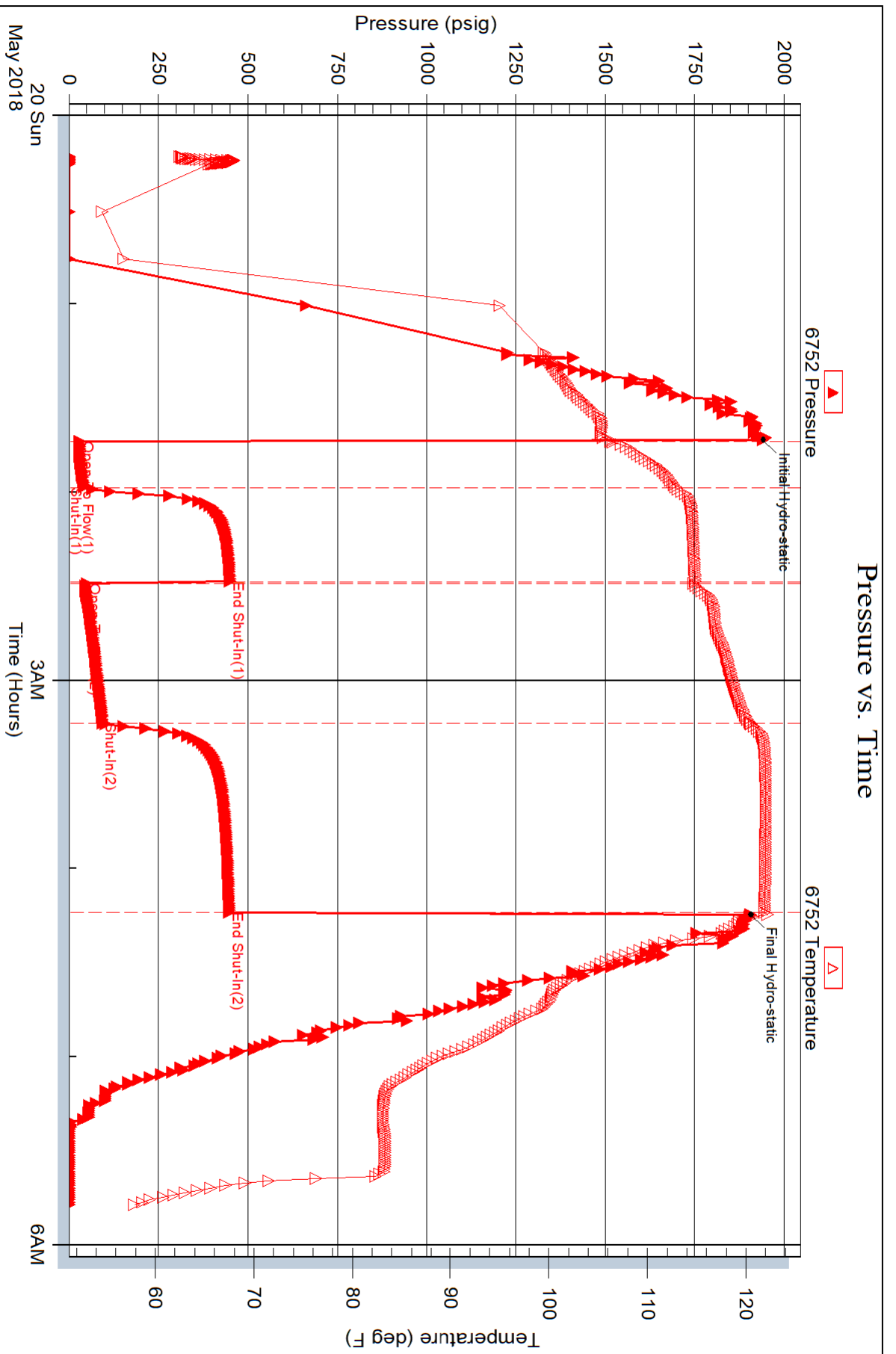
Recovery Table

Length ft	Description	Volume bbl
62.00	MO Mud 45% Oil 55%	0.596
169.00	GO Gas 25% Oil 75%	2.371
0.00	1071' GIP	0.000

Total Length: 231.00 ft      Total Volume: 2.967 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

### Pressure vs. Time







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 63490

Well Name & No. WP Unit 5-7 Test No. 1 Date 19 MAY 19  
 Company Carmen Schmitt Inc. Elevation 2429 KB 2424 GL  
 Address PO Box 47 Great Bend Kansas 67530 +0047  
 Co. Rep / Geo. Brad Rine Rig Murfin Rig 16  
 Location: Sec. 07 Twp 14S Rge. 25W Co. Trego State KS

Interval Tested 3894-3923 Zone Tested Lansing/Kansas City zone J  
 Anchor Length 29 Drill Pipe Run 3862 Mud Wt. 9.1  
 Top Packer Depth 3889 Drill Collars Run 30 Vls 60  
 Bottom Packer Depth 3894 Wt. Pipe Run - WL 6.0  
 Total Depth 3923 Chlorides 2000 ppm System LCM 1#

Blow Description I.F. Blow built to BOB in 4 minutes  
I.S.I. Blow back built to 4 inches  
E.F. Blow built to BOB in 5 minutes  
F.S.I. Blow back built to BOB in 15 minutes

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>Oily Mud</u>	<u>45</u>	<u>55</u>	<u>55</u>	<u>55</u>
<u>216</u>	<u>Gassy Oil</u>	<u>40</u>	<u>60</u>		
<u>1828</u>	<u>GIP</u>	<u>100</u>			

Rec Total \_\_\_\_\_ BHT 123 Gravity 35 API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1911  Test 1050 T-On Location 11:15 am  
 (B) First Initial Flow 35  Jars 250 T-Started 11:49 am  
 (C) First Final Flow 69  Safety Joint 75 T-Open 1:34 pm  
 (D) Initial Shut-In 1057  Circ Sub \_\_\_\_\_ T-Pulled 4:04 pm  
 (E) Second Initial Flow 94  Hourly Standby \_\_\_\_\_ T-Out 5:44 pm  
 (F) Second Final Flow 140  Mileage 122 122 Comments \_\_\_\_\_  
 (G) Final Shut-In 1063  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1887  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer 250  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 15  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 30  Day Standby \_\_\_\_\_ Total 1747  
 Final Flow 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 60 Sub Total 1747

Approved By Brad Rine Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.





# TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 63491

Well Name & No. WP Unit 5-7 Test No. 2 Date 20 MAY 18  
 Company Carmen Schmitt Inc. Elevation 2429 KB 2424 GL  
 Address PO Box 47 Great Bend Kansas 67530-0047  
 Co. Rep / Geo. Brad Rine Rig Murfin Rig 16  
 Location: Sec. 7 Twp 14S Rge. 25W Co. Trego State KS

Interval Tested 3933-3950 Zone Tested Lansing/Kansas City zone K  
 Anchor Length 17 Drill Pipe Run 3895 Mud Wt. 9.1  
 Top Packer Depth 3928 Drill Collars Run 30 Vis 6.0  
 Bottom Packer Depth 3933 Wt. Pipe Run - WL 6.0  
 Total Depth 3950 Chlorides 2000 ppm System LCM 1#

Blow Description I.F. Blow built to BOB in 5 minutes  
I.S.I. Blow back built to 1 inch  
FF. Blow built to BOB in 5 1/2 minutes  
F.S.I. Blow back built to 4 inches

Rec	Feet of	%gas	%oil	%water	%mud
62	Muddy Oil	55		45	
169	Gassy Oil	25	75		
1071	GIP	100			

Rec Total BHT 121 Gravity 34 API RW @ °F Chlorides ppm  
 (A) Initial Hydrostatic 1938  Test 1050 T-On Location 11:30 pm  
 (B) First Initial Flow 30  Jars 250 T-Started 12:13 am  
 (C) First Final Flow 43  Safety Joint 75 T-Open 1:42 am  
 (D) Initial Shut-In 448  Circ Sub  T-Pulled 4:12 am  
 (E) Second Initial Flow 50  Hourly Standby  T-Out 5:47 am  
 (F) Second Final Flow 96  Mileage 122 122 Comments   
 (G) Final Shut-In 446  Sampler   
 (H) Final Hydrostatic 1905  Straddle   Ruined Shale Packer   
 Shale Packer 250  Ruined Packer   
 Extra Packer   Extra Copies   
 Initial Open 15  Extra Recorder  Sub Total 0  
 Initial Shut-In 30  Day Standby  Total 1747  
 Final Flow 45  Accessibility  MP/DST Disc't   
 Final Shut-In 60 Sub Total 1747

Approved By Brad Rine Our Representative [Signature]

Tribolite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# COPELAND

## Acid & Cement

BURRTON, KS    ♦    GREAT BEND, KS  
 (620) 463-5161    (620) 793-3366  
 FAX (620) 463-2104    FAX (620) 793-3536

POST OFFICE BOX 438  
 HAYSVILLE, KS 67060  
 (316) 524-1225  
 (316) 524-1027 FAX

**Invoice**

Page: 1

INVOICE NUMBER:  
**C46059-IN**

BILL TO:  
**CARMEN SCHMITT, INC.**  
**P.O. BOX 47**  
**GREAT BEND, KS 67530**

LEASE: WP UNIT 5-7

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
05/22/2018	C46059		05/15/2018		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
1.00	EA	PRICE AS AGREED TO FOR 8 5/8 SURFACE PIPE		0.00	2,999.00	2,999.00
		<i>7/10/43</i> <i>19004.0507</i> <i>Well A/c</i> <i>Surface Cement</i>				
<b>REMIT TO:</b> P.O. BOX 438 HAYSVILLE, KS 67060		COP  FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.		Net Invoice: 2,999.00 TRECO Sales Tax: 239.92 <b>Invoice Total: 3,238.92</b>		
RECEIVED BY _____		<b>NET 30 DAYS</b>				

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days past due.

Copeland Acid & Cement is a subsidiary of Gressel Oil Field Service  
 Gressel Oil Field Service reserves a security interest in the goods sold until the same are paid for in full and reserve all the rights of a secured party under the Uniform Commercial Code.



FIELD ORDER N° C 46059

BOX 438 • HAYSVILLE, KANSAS 67060  
316-524-1225

DATE 5-15 2018

IS AUTHORIZED BY:

Carmen Schmitt  
(NAME OF CUSTOMER)

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

To Treat Well As Follows: Lease WP Unit Well No. S-7 Customer Order No. \_\_\_\_\_

Sec. Twp. Range \_\_\_\_\_ County Trego State KS

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid Service is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our invoicing department in accordance with latest published price schedules.

The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

Well Owner or Operator

By

Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
<u>2</u>		<u>Price as agreed to for 8 5/8 Surface Pipe</u>		<u>2999.<sup>00</sup></u>
		Bulk Charge		
		Bulk Truck Miles		
		Process License Fee on _____ Gallons		
		<b>TOTAL BILLING</b>		<b><u>2999.<sup>00</sup></u></b>

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

Copeland Representative Greg L.

Station GB

Matt S.  
Well Owner, Operator or Agent

Remarks \_\_\_\_\_

**NET 30 DAYS**





P. O. Box 466  
Ness City, KS 67560  
Off: 785-798-2300



# Invoice

DATE	INVOICE #
5/21/2018	31459

BILL TO
Carmen Schmitt, Inc. P. O. Box 47 915 Harrison Great Bend, KS 67530-0047

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#5-7	WP Unit	Trego	Murfin Drilling Ri...	Oil	Development	Cement Longstring	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				45	Miles	5.00	225.00
579D	Pump Charge - Two-Stage & Top To Bottom LongString				1	Job	1,800.00	1,800.00
402-5	5 1/2" Centralizer				10	Each	70.00	700.00T
403-5	5 1/2" Cement Basket				3	Each	275.00	825.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	325.00	325.00T
330	Swift Multi-Density Standard (MIDCON II)				450	Sacks	16.25	7,312.50T
325	Standard Cement				150	Sacks	13.00	1,950.00T
284	Calseal				7	Sack(s)	35.00	245.00T
283	Salt				750	Lb(s)	0.20	150.00T
285	CFR-1				75	Lb(s)	4.50	337.50T
276	Flocele				175	Lb(s)	2.50	437.50T
281	Mud Flush				500	Gallon(s)	1.50	750.00T
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00
290	D-Air				2	Gallon(s)	42.00	84.00T
581D	Service Charge Cement				600	Sacks	1.75	1,050.00
583D	Drayage				1,360.22	Ton Miles	0.85	1,156.19
	Subtotal							17,647.69
	Sales Tax Trego County						8.00%	1,069.32
<p>7/0/43 19004.0507 Well File Cement Long String</p>								
<b>We Appreciate Your Business!</b>							<b>Total</b>	<b>\$18,717.01</b>



CHARGE TO: *Carmen Schmidt*

ADDRESS

CITY, STATE, ZIP CODE

SERVICE LOCATIONS 1. <i>New City KS</i>	WELL/PROJECT NO. <i>5-7</i>	LEASE <i>WP unit</i>	COUNTY/PARISH <i>Trego</i>	STATE <i>KS</i>	CITY <i>Utica</i>
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>MURFIN</i>	RIG NAME/NO. <i>16</i>	SHIPPED VIA <i>CT</i>	DELIVERED TO <i>location</i>
3.	WELL TYPE <i>oil</i>	WELL CATEGORY <i>Development</i>	JOB PURPOSE <i>cement long string</i>	WELL PERMIT NO.	
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS			

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M
		LOC	ACCT	DF					
<i>575</i>		<i>1</i>			<i>MILEAGE TRK 114</i>	<i>45</i>	<i>mi</i>		
<i>579</i>		<i>1</i>			<i>Pump Charge</i>	<i>1</i>	<i>hr</i>	<i>5 1/2</i>	
<i>402</i>		<i>1</i>			<i>Centralizer</i>	<i>5 1/2</i>	<i>in</i>	<i>10</i>	
<i>403</i>		<i>1</i>			<i>Cement Basket</i>	<i>5 1/2</i>	<i>in</i>	<i>3</i>	
<i>406</i>		<i>1</i>			<i>LATCH down plug &amp; baffle</i>	<i>5 1/2</i>	<i>in</i>	<i>1</i>	
<i>407</i>		<i>1</i>			<i>insert float shoe w/ AUTO FILL</i>	<i>5 1/2</i>	<i>in</i>	<i>1</i>	

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

X *Curtis Hitchman*

DATE SIGNED

TIME SIGNED

A.M.  
 P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.  
P.O. BOX 466  
NESS CITY, KS 67560  
785-798-2300

SURVEY

AGREE

UNDECIDED

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE?

YES

NO

CUSTOMER DID NOT WISH TO RESPOND

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services

SWIFT OPERATOR

*BH*

APPROVAL



PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

CUSTOMER: *Carmen Schmidt* WELL: *WP unit 5-7*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		QTY	U/M	QTY	U/M
		LCC	ACCT	DF			QTY	U/M				
330		1				SMD cement			450	sk		
325		1				Standard cement (for Est-2)			150	00		
284		1				calson			7	sk		
283		1				salt			750	lb		
285		1				CFR			75	lb		
276		1				flocel			175	lb		
281		1				mud flush			500	gal		
221		1				KCh liquid			2	gal		
290		1				D-air			2	gal		
581		1				SERVICE CHARGE			600	sk		
583		1				MILEAGE CHARGE						
							TOTAL WEIGHT		60454.5			
							LOADED MILES		45			
							CUBIC FEET					
							TON MILES				1360.23	

CON

JOB LOG

SWIFT Services, Inc.

DATE 21 MAY 18 PAGE NO. 1  
TICKET NO. 31459

CUSTOMER Carmen Schmitt WELL NO. 5-7 LEASE WP unit JOB TYPE Cement logging

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								48 sk SAND cement w/ 1/4" flocc 150 sk EA-2 cement w/ 1/4" flocc 79 wjt's 5 1/2" x 1 1/4" TD = 4340 4429' Shut in 43.93 Bkhd 9,32,54 Centralize 5,7,9,10,12,14,16,18,20,54
	1900							on loc TRK 114
	2000							start 5 1/2" x 1 1/4" casing in well
	2140							Drop ball - circulate
	2220	4 1/2	12			200		Pump 500 gal mix flush
		4 1/2	20			200		Pump 20 bbl KCL flush
			7					Plug RH - MH 30sk - 20sk
	2235	5 1/2	240			200		mix SAND cement 400sk @ 11.2 ppm
		4 1/2	35			200		mix EA-2 cement 100sk @ 15.3 ppm
	2325							Drop latch down plug wash out Pump & Line
		6 1/4				200		Displace plug
								→ cement to surface { 25sk top }
MAY 22	0000	6	102			900		LAND plug
		6	107			1600		Release pressure to truck - dried up
	0010							wash truck
								Rack up
	0040							Job complete Thanks Hint, Blaine, sham & spitch