

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 Recompletion Date _____ 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 3-7
Doc ID	1366966

All Electric Logs Run

Gamma Ray
Dual Induction Log
Comp Porosity
Mircroresistivity
Bond Log

Form	ACO1 - Well Completion
Operator	Carmen Schmitt, Inc.
Well Name	WP UNIT 3-7
Doc ID	1366966

Tops

Name	Top	Datum
Anhydrite	1884	550
Heebner Sh.	3661	-1227
Toronto	3680	-1246
Lansing	3700	-1266
Stark Shale	3923	-1489
BKC	3980	-1546
Marmaton	4020	-1586
Altamont	4045	-1611
Pawnee	4125	-1691
Fort Scott	4188	-1754
Cherokee Shale	4212	-1778
Mississippian	4275	-1841



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

WP Unit #3-7

7-14s-25w Trego, KS

Start Date: 2017.08.27 @ 20:37:00

End Date: 2017.08.28 @ 03:38:00

Job Ticket #: 64213 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.08.31 @ 11:58:09



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64213 **DST#: 1**
 Test Start: 2017.08.27 @ 20:37:00

GENERAL INFORMATION:

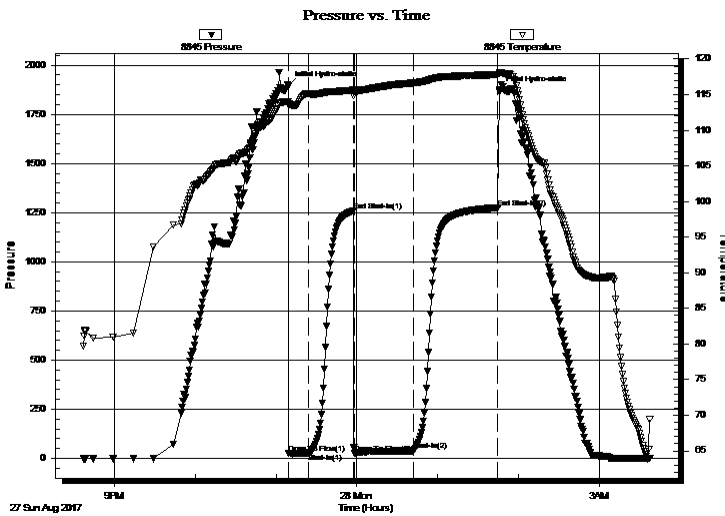
Formation: **LKC H-1**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:09:30
 Time Test Ended: 03:38:00
 Interval: **3841.00 ft (KB) To 3901.00 ft (KB) (TVD)**
 Total Depth: 3901.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2434.00 ft (KB)
 2429.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8845 Outside

Press@RunDepth: 38.89 psig @ 3842.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.08.27 End Date: 2017.08.28 Last Calib.: 2017.08.28
 Start Time: 20:37:05 End Time: 03:37:59 Time On Btm: 2017.08.27 @ 23:09:00
 Time Off Btm: 2017.08.28 @ 01:46:15

TEST COMMENT: IF: 15 - 1 1/2" blow .
 IS: 30 - No return.
 FF: 45 - 8 1/2" blow .
 FS: 60 - No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1894.77	114.05	Initial Hydro-static
1	24.93	113.58	Open To Flow (1)
15	27.54	115.10	Shut-In(1)
49	1258.97	115.61	End Shut-In(1)
50	25.63	115.38	Open To Flow (2)
93	38.89	116.63	Shut-In(2)
156	1275.95	117.81	End Shut-In(2)
158	1872.60	118.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	gmco 10g 40m 50o	0.16
20.00	oil 100o	0.28
0.00	70' 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
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64213 **DST#: 1**
 Test Start: 2017.08.27 @ 20:37:00

Tool Information

Drill Pipe:	Length: 3805.00 ft	Diameter: 3.80 inches	Volume: 53.37 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 53.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3841.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	87.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3815.00	
Shut In Tool	5.00			3820.00	
Hydraulic tool	5.00			3825.00	
Jars	5.00			3830.00	
Safety Joint	2.00			3832.00	
Packer	5.00			3837.00	27.00 Bottom Of Top Packer
Packer	4.00			3841.00	
Stubb	1.00			3842.00	
Recorder	0.00	8365	Inside	3842.00	
Recorder	0.00	8845	Outside	3842.00	
Perforations	23.00			3865.00	
Change Over Sub	1.00			3866.00	
Drill Pipe	31.00			3897.00	
Change Over Sub	1.00			3898.00	
Bullnose	3.00			3901.00	60.00 Bottom Packers & Anchor

Total Tool Length: 87.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64213 **DST#: 1**
 Test Start: 2017.08.27 @ 20:37:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 33 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.79 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2600.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	gmco 10g 40m 50o	0.157
20.00	oil 100o	0.281
0.00	70' GIP	0.000

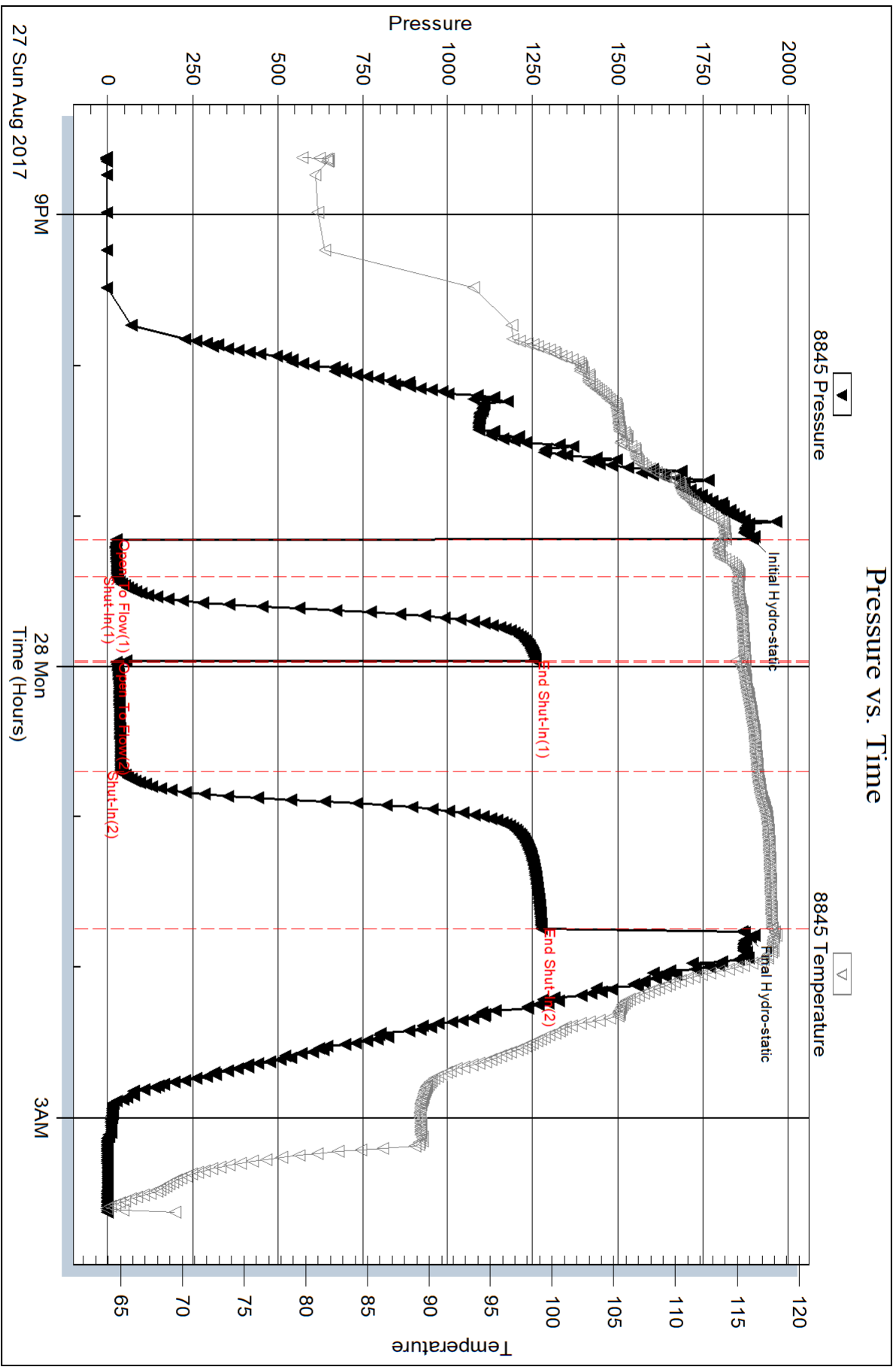
Total Length: 50.00 ft Total Volume: 0.438 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8845

Outside Carmen Schmitt, Inc

WP Unit#3-7

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 64213

Printed: 2017.08.31 @ 11:58:10

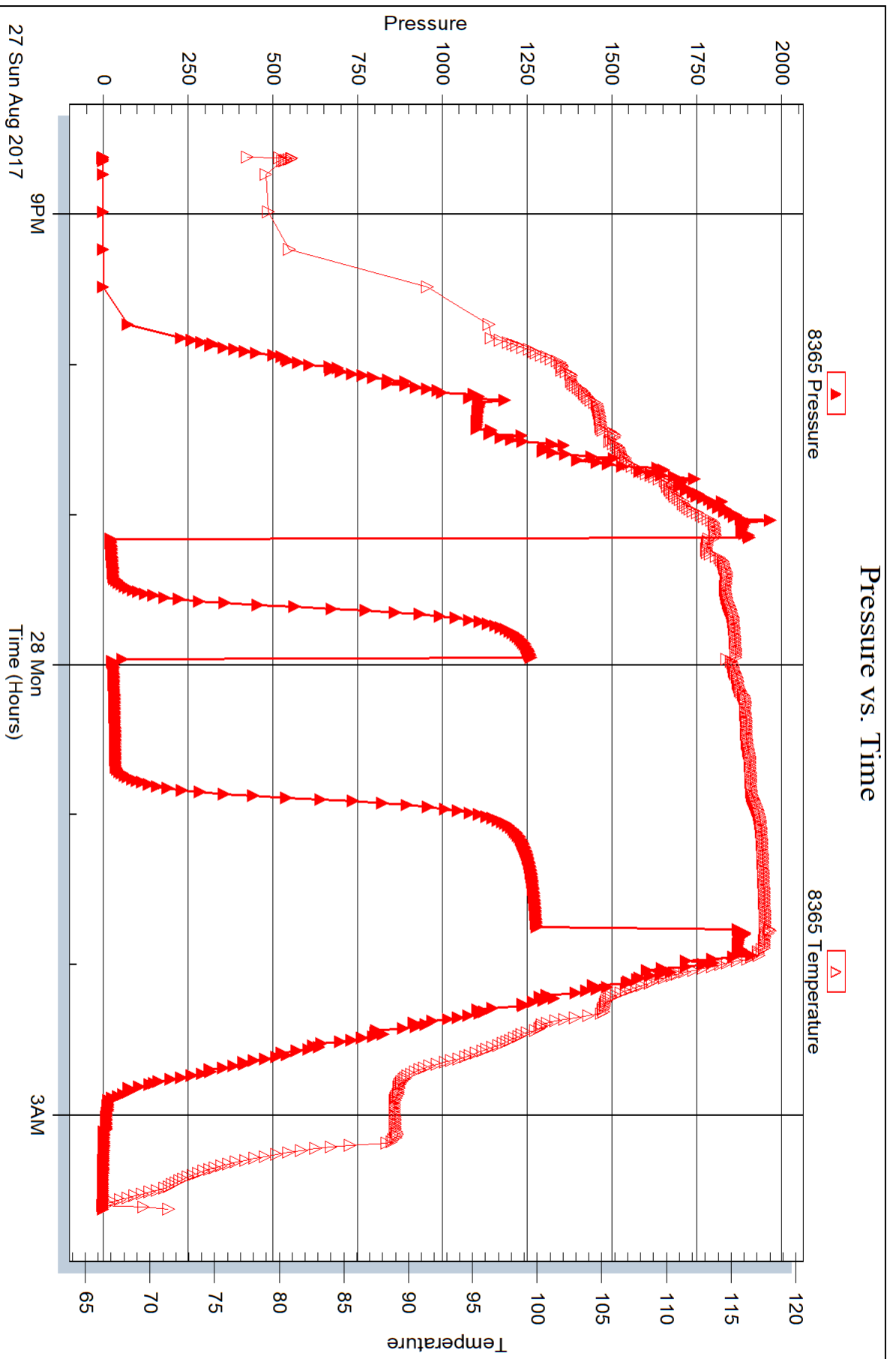
Serial #: 8365

Inside

Carmen Schmitt, Inc

WP Unit #3-7

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

WP Unit #3-7

7-14s-25w Trego, KS

Start Date: 2017.08.28 @ 10:37:00

End Date: 2017.08.28 @ 17:21:45

Job Ticket #: 64214 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.08.31 @ 11:57:49



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64214 **DST#: 2**
 Test Start: 2017.08.28 @ 10:37:00

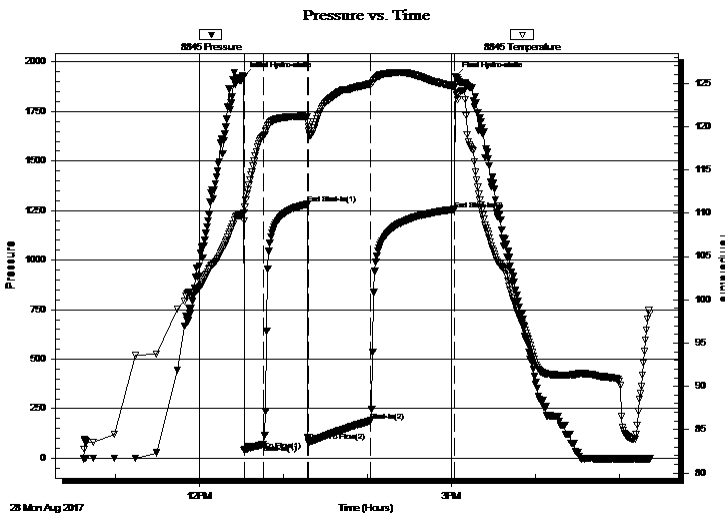
GENERAL INFORMATION:

Formation: **LKC J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:31:45
 Time Test Ended: 17:21:45
 Interval: **3903.00 ft (KB) To 3930.00 ft (KB) (TVD)**
 Total Depth: 3930.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2434.00 ft (KB)
 2429.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8845 Outside
 Press@RunDepth: 188.01 psig @ 3904.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.08.28 End Date: 2017.08.28 Last Calib.: 2017.08.28
 Start Time: 10:37:05 End Time: 17:21:44 Time On Btm: 2017.08.28 @ 12:31:30
 Time Off Btm: 2017.08.28 @ 15:03:00

TEST COMMENT: IF: 15 - BOB @ 2 1/2 min.
 IS: 30 - 2" return.
 FF: 45 - BOB @ 2 min.
 FS: 60 - BOB return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1927.78	110.04	Initial Hydro-static
1	39.55	109.07	Open To Flow (1)
15	71.16	118.98	Shut-In(1)
46	1282.41	121.17	End Shut-In(1)
47	86.78	119.99	Open To Flow (2)
91	188.01	124.91	Shut-In(2)
151	1256.39	124.62	End Shut-In(2)
152	1928.07	124.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	gocm 40g 40m 20o	0.86
400.00	go 35g 65o	5.61
0.00	1700' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64214 **DST#: 2**
 Test Start: 2017.08.28 @ 10:37:00

Tool Information

Drill Pipe:	Length: 3868.00 ft	Diameter: 3.80 inches	Volume: 54.26 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 54.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3903.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3877.00	
Shut In Tool	5.00			3882.00	
Hydraulic tool	5.00			3887.00	
Jars	5.00			3892.00	
Safety Joint	2.00			3894.00	
Packer	5.00			3899.00	27.00 Bottom Of Top Packer
Packer	4.00			3903.00	
Stubb	1.00			3904.00	
Recorder	0.00	8365	Inside	3904.00	
Recorder	0.00	8845	Outside	3904.00	
Perforations	23.00			3927.00	
Bullnose	3.00			3930.00	27.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64214 **DST#: 2**
 Test Start: 2017.08.28 @ 10:37:00

Mud and Cushion Information

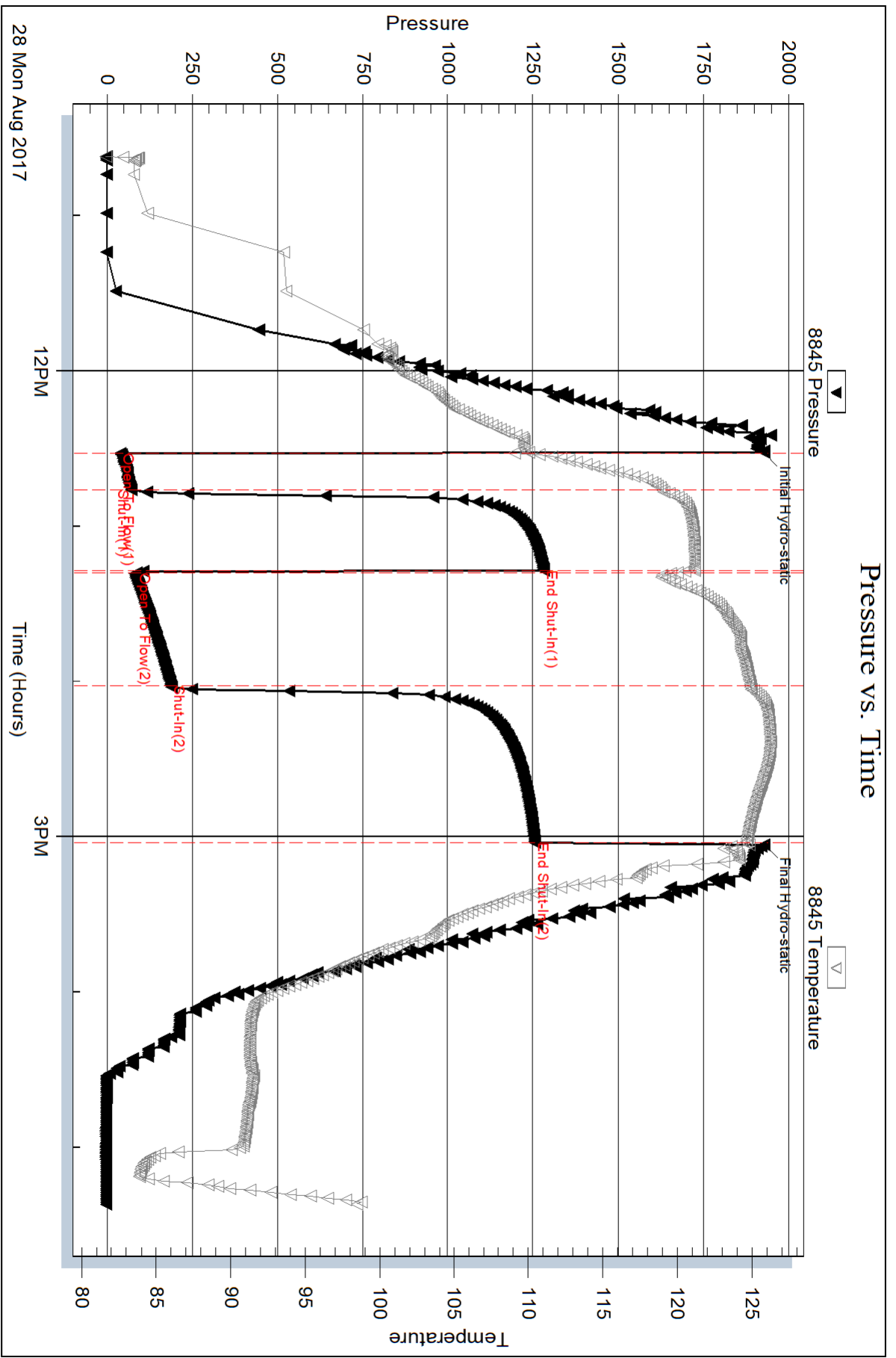
Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.39 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2700.00 ppm		
Filter Cake: 1.00 inches		

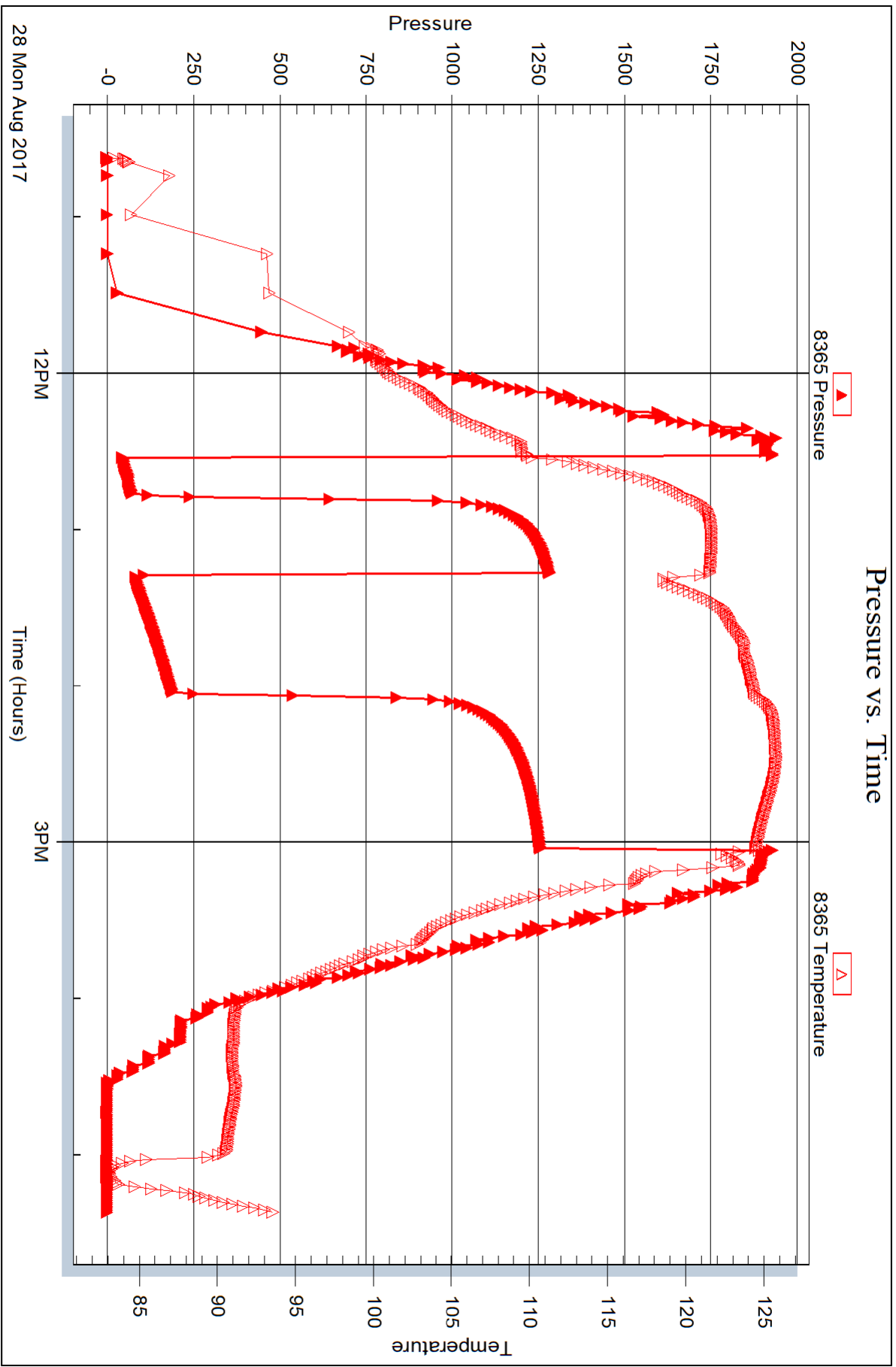
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	gocm 40g 40m 20o	0.858
400.00	go 35g 65o	5.611
0.00	1700' GIP	0.000

Total Length: 480.00 ft Total Volume: 6.469 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

WP Unit #3-7

7-14s-25w Trego, KS

Start Date: 2017.08.29 @ 00:47:00

End Date: 2017.08.29 @ 07:55:45

Job Ticket #: 64215 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.08.31 @ 11:57:24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64215 **DST#: 3**
 Test Start: 2017.08.29 @ 00:47:00

GENERAL INFORMATION:

Formation: **LKC K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:48:00
 Time Test Ended: 07:55:45
 Interval: **3931.00 ft (KB) To 3962.00 ft (KB) (TVD)**
 Total Depth: 3962.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2434.00 ft (KB)
 2429.00 ft (CF)
 KB to GR/CF: 5.00 ft

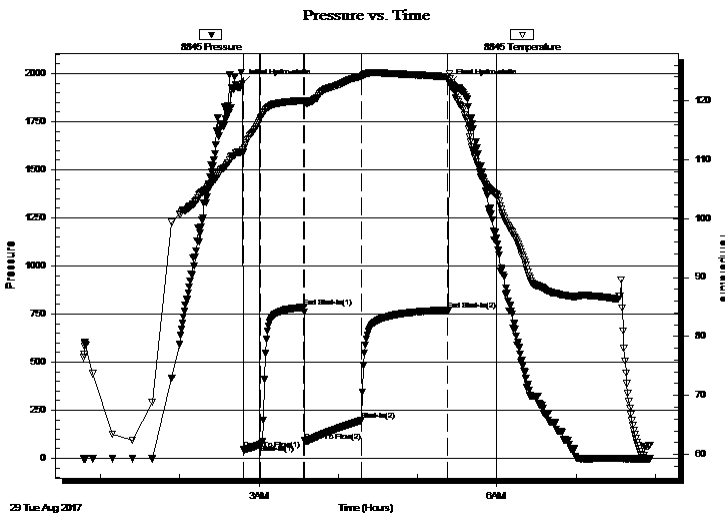
Serial #: 8845

Outside

Press@RunDepth: 196.75 psig @ 3932.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.08.29 End Date: 2017.08.29 Last Calib.: 2017.08.29
 Start Time: 00:47:05 End Time: 07:55:44 Time On Btm: 2017.08.29 @ 02:47:30
 Time Off Btm: 2017.08.29 @ 05:24:15

TEST COMMENT: IF: 15 - BOB @ 2 min.
 IS: 30 - Surface return.
 FF: 45 - BOB @ 2 min.
 FS: 60 - BOB return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1949.11	111.60	Initial Hydro-static
1	44.93	111.18	Open To Flow (1)
14	74.63	117.07	Shut-In(1)
47	784.75	120.02	End Shut-In(1)
47	90.65	119.72	Open To Flow (2)
90	196.75	124.13	Shut-In(2)
156	771.92	124.04	End Shut-In(2)
157	1947.56	124.48	Final Hydro-static

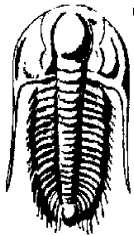
Recovery

Length (ft)	Description	Volume (bbl)
60.00	gocm 30g 20o 50m	0.58
100.00	gmco 40g 15m 45o	1.40
350.00	go 40g 60o	4.91
0.00	1130' GIP	0.00

* Recovery from multiple tests

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
ATTN: Brad Rine

7-14s-25w Trego, KS
WP Unit #3-7
Job Ticket: 64215 **DST#: 3**
Test Start: 2017.08.29 @ 00:47:00

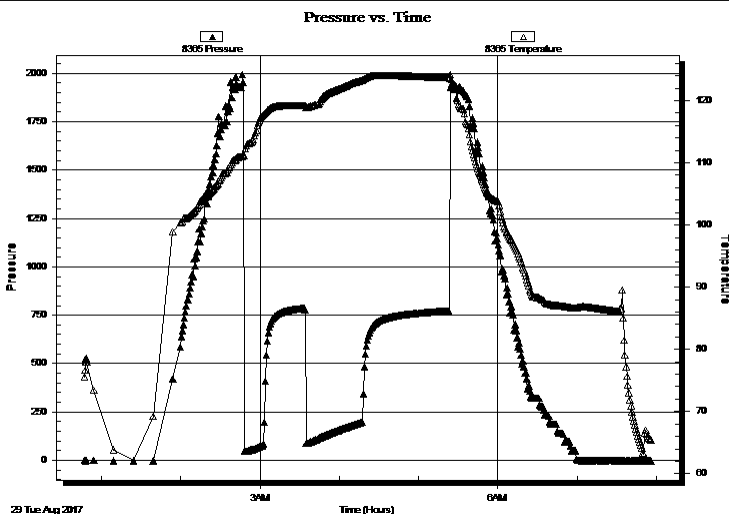
GENERAL INFORMATION:

Formation: **LKC K**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:48:00
Time Test Ended: 07:55:45
Interval: **3931.00 ft (KB) To 3962.00 ft (KB) (TVD)**
Total Depth: 3962.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)
Tester: Bradley Walter
Unit No: 78
Reference Elevations: 2434.00 ft (KB)
2429.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8365 Inside
Press@RunDepth: psig @ 3932.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2017.08.29 End Date: 2017.08.29 Last Calib.: 2017.08.29
Start Time: 00:47:05 End Time: 07:55:44 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 15 - BOB @ 2 min.
IS: 30 - Surface return.
FF: 45 - BOB @ 2 min.
FS: 60 - BOB return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gocm 30g 20o 50m	0.58
100.00	gmco 40g 15m 45o	1.40
350.00	go 40g 60o	4.91
0.00	1130' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64215 **DST#: 3**
 Test Start: 2017.08.29 @ 00:47:00

Tool Information

Drill Pipe:	Length: 3899.00 ft	Diameter: 3.80 inches	Volume: 54.69 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 54.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3931.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3905.00	
Shut In Tool	5.00			3910.00	
Hydraulic tool	5.00			3915.00	
Jars	5.00			3920.00	
Safety Joint	2.00			3922.00	
Packer	5.00			3927.00	27.00 Bottom Of Top Packer
Packer	4.00			3931.00	
Stubb	1.00			3932.00	
Recorder	0.00	8365	Inside	3932.00	
Recorder	0.00	8845	Outside	3932.00	
Perforations	27.00			3959.00	
Bullnose	3.00			3962.00	31.00 Bottom Packers & Anchor

Total Tool Length: 58.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64215 **DST#: 3**
 Test Start: 2017.08.29 @ 00:47:00

Mud and Cushion Information

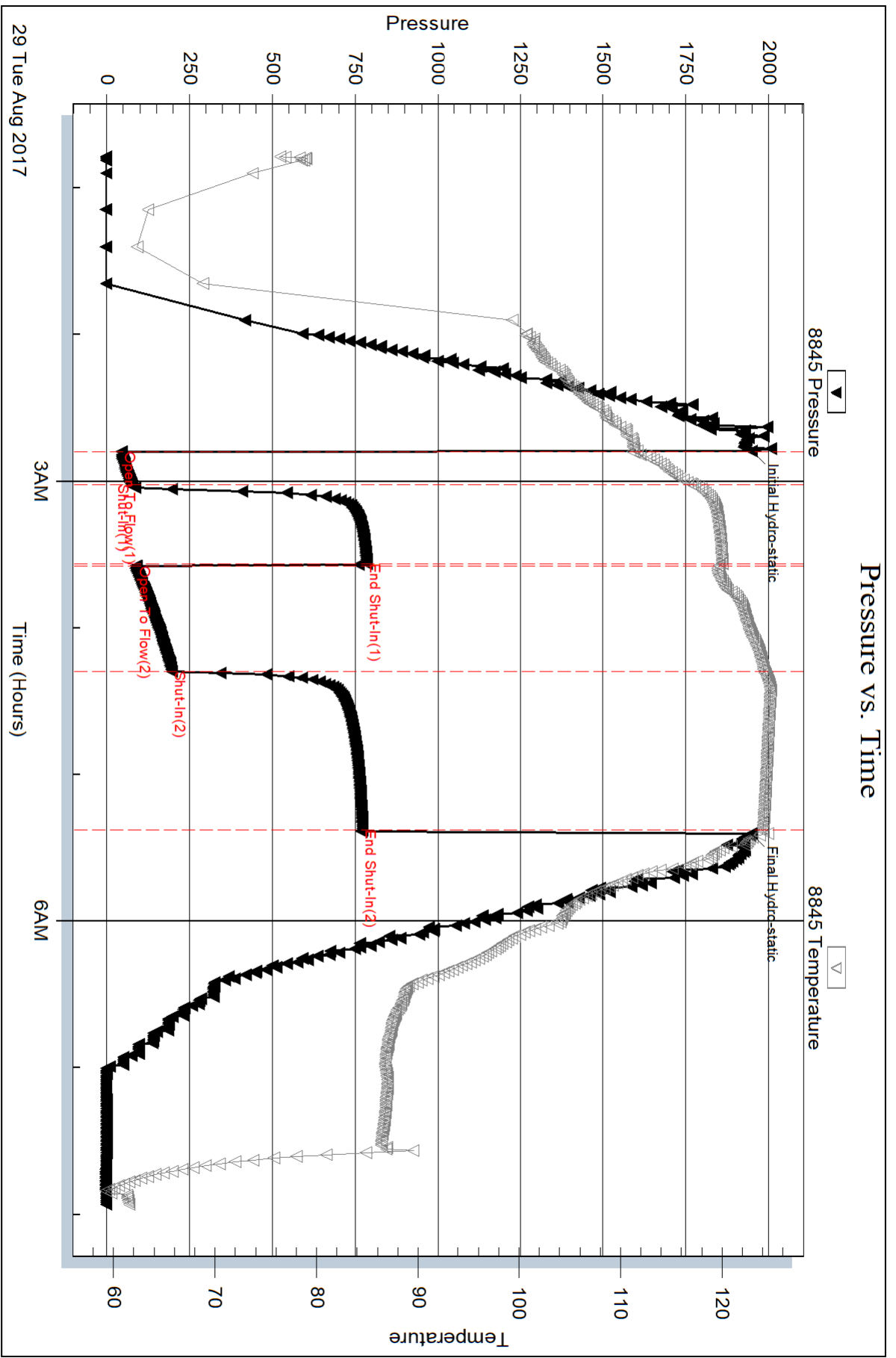
Mud Type: Gel Chem	Cushion Type:	Oil API: 38 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.79 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2600.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	gocm 30g 20o 50m	0.577
100.00	gmco 40g 15m 45o	1.403
350.00	go 40g 60o	4.910
0.00	1130' GIP	0.000

Total Length: 510.00 ft Total Volume: 6.890 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



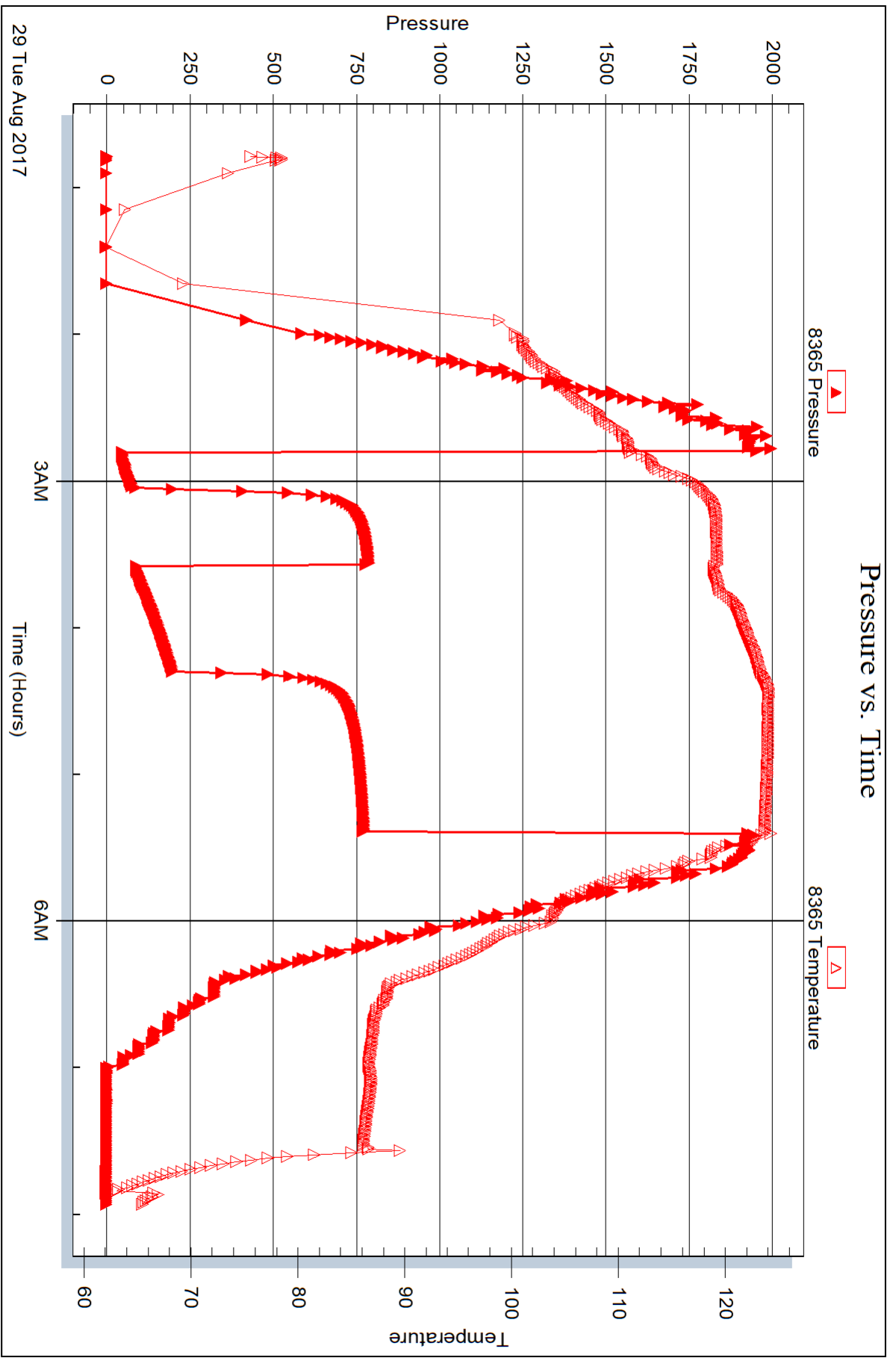
Serial #: 8365

Inside

Carmen Schmitt, Inc

WP Unit #3-7

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

WP Unit #3-7

7-14s-25w Trego, KS

Start Date: 2017.08.29 @ 15:05:00

End Date: 2017.08.29 @ 21:37:30

Job Ticket #: 64216 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.08.31 @ 11:56:46



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

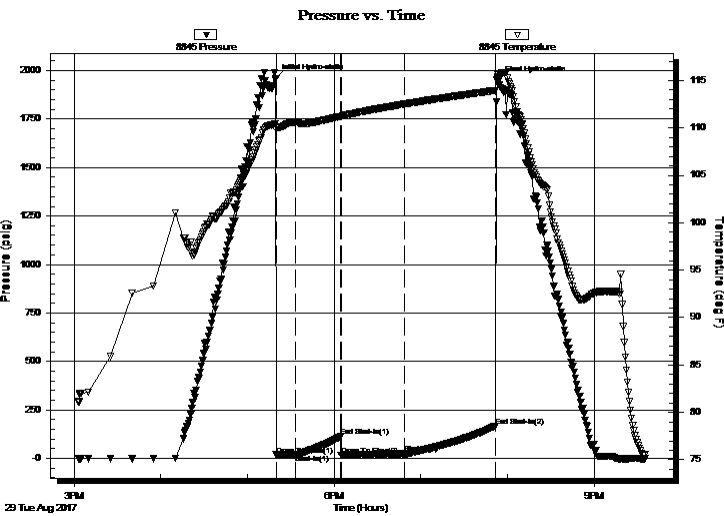
7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64216 **DST#: 4**
 Test Start: 2017.08.29 @ 15:05:00

GENERAL INFORMATION:

Formation: **LKC L**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:21:45
 Time Test Ended: 21:37:30
 Interval: **3955.00 ft (KB) To 4008.00 ft (KB) (TVD)**
 Total Depth: 4008.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2434.00 ft (KB)
 2429.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8845 Outside
 Press@RunDepth: 23.94 psig @ 3956.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.08.29 End Date: 2017.08.29 Last Calib.: 2017.08.29
 Start Time: 15:03:05 End Time: 21:35:29 Time On Btm: 2017.08.29 @ 17:19:30
 Time Off Btm: 2017.08.29 @ 19:53:30

TEST COMMENT: IF: 1 1/2" blow
 IS: No return.
 FF: 3 1/2" Blow.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1958.93	110.50	Initial Hydro-static
1	18.17	109.80	Open To Flow (1)
14	21.03	110.57	Shut-In(1)
45	111.82	111.20	End Shut-In(1)
46	14.53	111.21	Open To Flow (2)
89	23.94	112.50	Shut-In(2)
152	167.20	113.95	End Shut-In(2)
154	1947.77	115.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	gocm 10g 20o 70m	0.12

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64216 **DST#: 4**
 Test Start: 2017.08.29 @ 15:05:00

Tool Information

Drill Pipe:	Length: 3930.00 ft	Diameter: 3.80 inches	Volume: 55.13 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 63000.00 lb
			<u>Total Volume: 55.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3955.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	80.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3929.00	
Shut In Tool	5.00			3934.00	
Hydraulic tool	5.00			3939.00	
Jars	5.00			3944.00	
Safety Joint	2.00			3946.00	
Packer	5.00			3951.00	27.00 Bottom Of Top Packer
Packer	4.00			3955.00	
Stubb	1.00			3956.00	
Recorder	0.00	8365	Inside	3956.00	
Recorder	0.00	8845	Outside	3956.00	
Perforations	16.00			3972.00	
Change Over Sub	1.00			3973.00	
Drill Pipe	31.00			4004.00	
Change Over Sub	1.00			4005.00	
Bullnose	3.00			4008.00	53.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

7-14s-25w Trego, KS
WP Unit #3-7
Job Ticket: 64216 **DST#: 4**
Test Start: 2017.08.29 @ 15:05:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2600.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

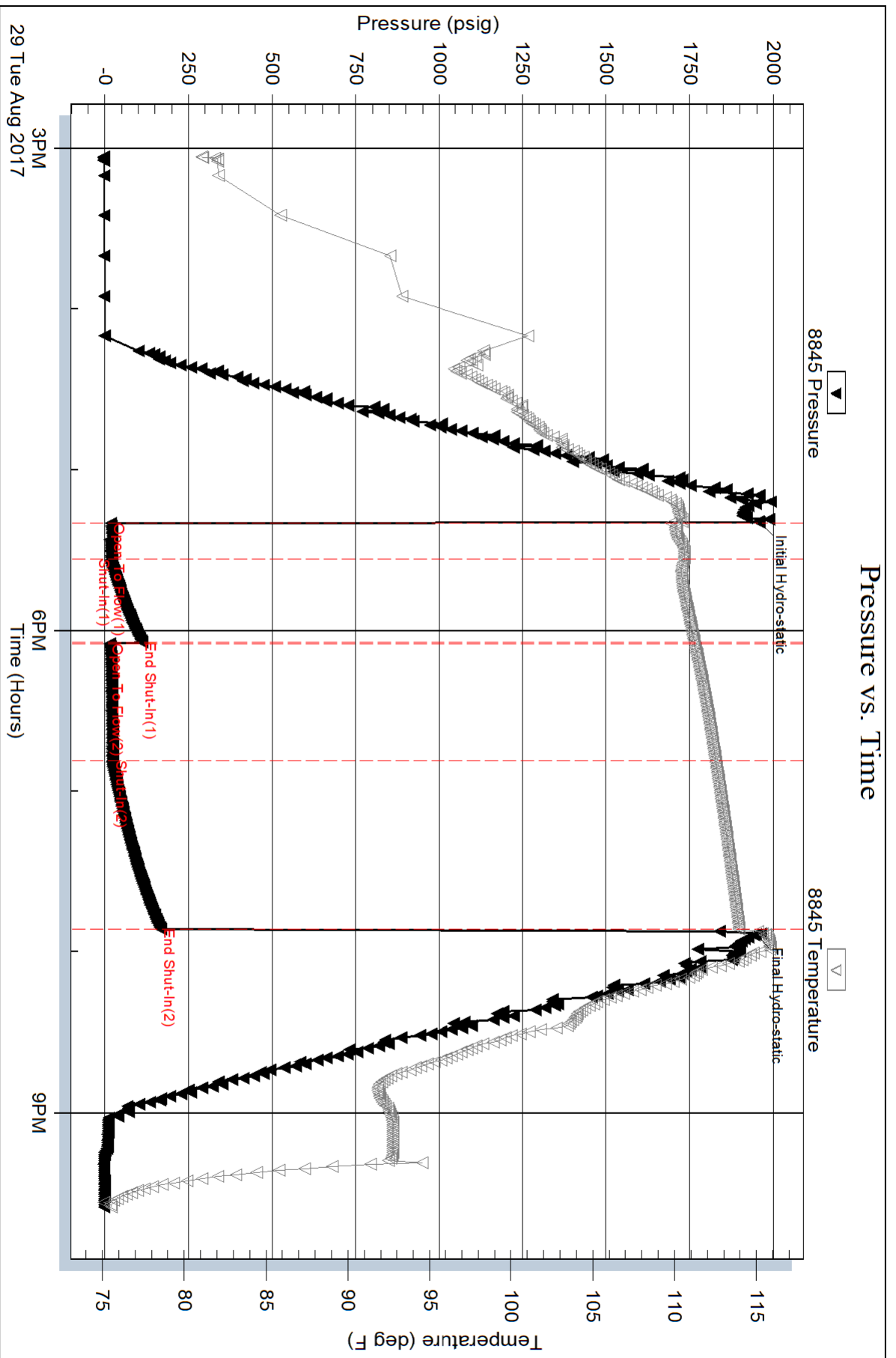
Length ft	Description	Volume bbl
25.00	gocm 10g 20o 70m	0.123

Total Length: 25.00 ft Total Volume: 0.123 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:



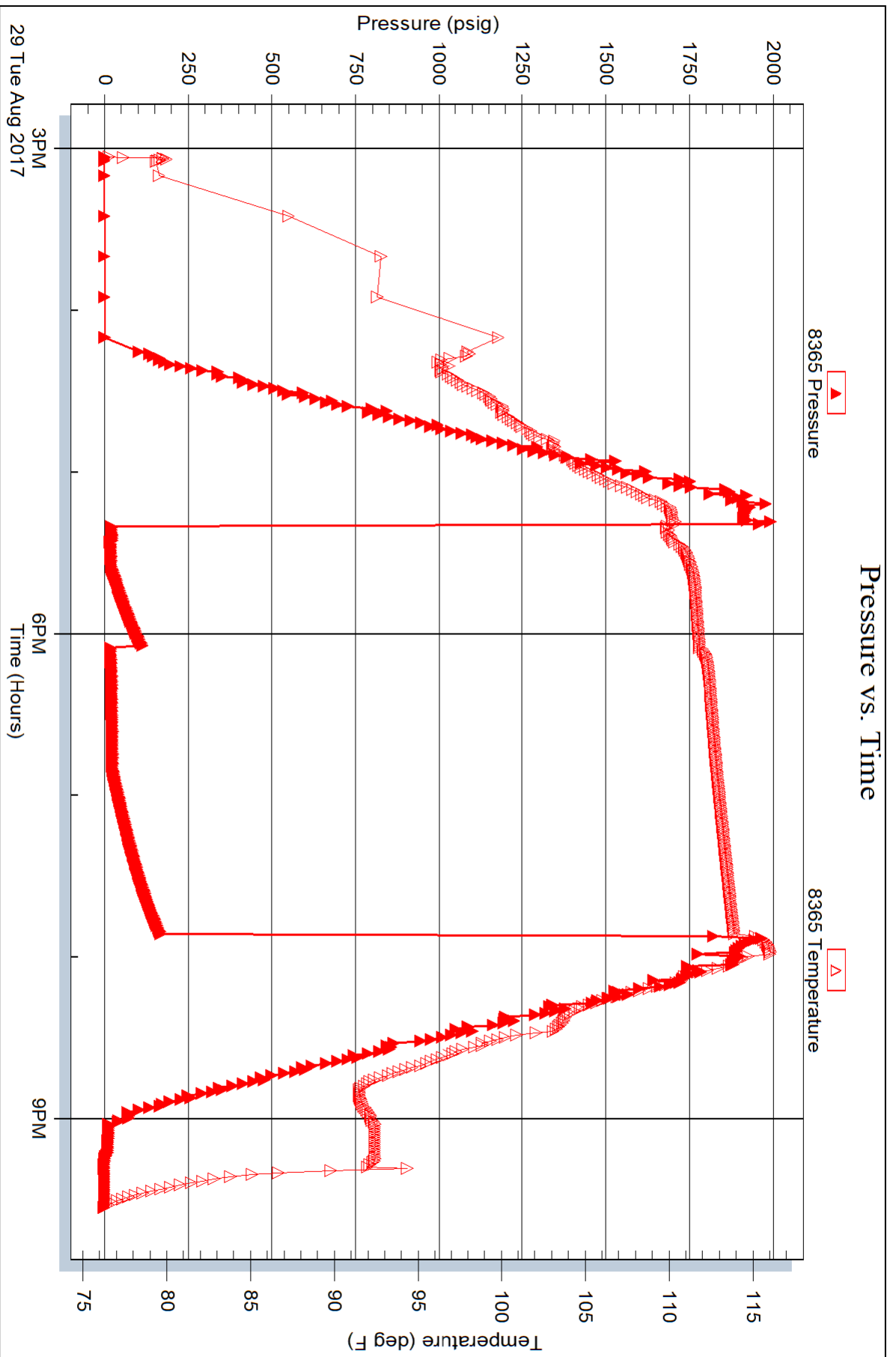
Serial #: 8365

Inside

Carmen Schmitt, Inc

WP Unit #3-7

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64213**

Well Name & No. WP Unit #3-7 Test No. 1 Date 8/28/2017
 Company Carmen Schmitt, Inc Elevation 2434 KB 2429 GL
 Address PO Box 47 Great Bend, ks 67530
 Co. Rep / Geo. Brad Rine Rig Martin 14
 Location: Sec. 7 Twp. 14S Rge. 25W Co. Trego State Ks

Interval Tested 3841 - 3901 Zone Tested LKC H-I
 Anchor Length 60' Drill Pipe Run 3805 Mud Wt. 9.3
 Top Packer Depth 3836 Drill Collars Run 29 Vis 52
 Bottom Packer Depth 3841 Wt. Pipe Run 8 WL 6.8
 Total Depth 3901 Chlorides 2600 ppm System LCM 2 #

Blow Description IF 1 1/2" blow
ISI No return
FF 8 1/2" blow
FBI No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>05L</u>	<u>100</u>			
<u>30</u>	<u>6MCO</u>	<u>8</u>	<u>50</u>		<u>40</u>
	<u>70' BIP</u>				

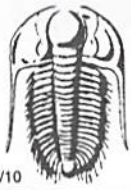
Rec Total 50 BHT 118 Gravity 33 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1895 Test 1050 T-On Location 1900
 (B) First Initial Flow 25 Jars 250 T-Started 2037
 (C) First Final Flow 28 Safety Joint 75 T-Open 2309
 (D) Initial Shut-In 1259 Circ Sub 4c T-Pulled 0141
 (E) Second Initial Flow 26 Hourly Standby _____ T-Out 0338
 (F) Second Final Flow 39 Mileage 140 RT 105 Comments _____
 (G) Final Shut-In 1276 Sampler _____
 (H) Final Hydrostatic 1873 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 15 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow 45 Extra Copies _____
 Final Shut-In 60 Sub Total 0
 Sub Total 1480.00 Total 1480.00
 MP/DST Disc't _____

Approved By _____ Our Representative 

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64214**

Well Name & No. WP Unit #3-7 Test No. 2 Date 8/28/2017
 Company Carmen Schmitt, Inc Elevation 2434 KB 2429 GL
 Address PO Box 47 Great Bend, Ks 67530
 Co. Rep / Geo. Brad Rine Rig Muster 16
 Location: Sec. 7 Twp. 14s Rge. 25 w Co. Trego State Ks

Interval Tested 3903-3930 Zone Tested LKC J
 Anchor Length 27' Drill Pipe Run 3568 Mud Wt. 9.2
 Top Packer Depth 3897 Drill Collars Run 29 Vis 59
 Bottom Packer Depth 3903 Wt. Pipe Run 0 WL 6.4
 Total Depth 3930 Chlorides 2700 ppm System LCM 1st

Blow Description IF BOB@ 2 1/2 min.
TSI 2nd return.
FF BOB@ 2 min.
ESI BOB return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>400</u>	<u>60</u>	<u>35</u>	<u>65</u>		
<u>80</u>	<u>60CM</u>	<u>40</u>	<u>20</u>		<u>40</u>
	<u>1700' GIP</u>				

Rec Total 480 BHT 126 Gravity 36 API RW —@ —° F Chlorides — ppm

(A) Initial Hydrostatic <u>1928</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>1015</u>
(B) First Initial Flow <u>40</u>	<input type="checkbox"/> Jars	T-Started <u>1037</u>
(C) First Final Flow <u>71</u>	<input type="checkbox"/> Safety Joint	T-Open <u>1231</u>
(D) Initial Shut-In <u>1282</u>	<input checked="" type="checkbox"/> Circ Sub <u>NA</u>	T-Pulled <u>1501</u>
(E) Second Initial Flow <u>87</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1722</u>
(F) Second Final Flow <u>188</u>	<input checked="" type="checkbox"/> Mileage <u>140.2</u> 105	Comments
(G) Final Shut-In <u>1256</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1928</u>	<input type="checkbox"/> Straddle	
Initial Open <u>15</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1405.00</u>
	Sub Total <u>1405.00</u>	MP/DST Disc't

Approved By _____ 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64215**

Well Name & No. WP Unit #3-7 Test No. 3 Date 8/29/2017
 Company Carmen Schmitt, Inc Elevation 2434 KB 2429 GL
 Address PO Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Brad Rine Rig Murfin 16
 Location: Sec. 7 Twp. 14S Rge. 25 W Co. Trego State Ks

Interval Tested 3931-3962 Zone Tested 2KC K
 Anchor Length 31' Drill Pipe Run 3899 Mud Wt. 92
 Top Packer Depth 3926 Drill Collars Run 29 Vis 56
 Bottom Packer Depth 3931 Wt. Pipe Run Ø WL 6.4
 Total Depth 3962 Chlorides 2700 ppm System LCM 1#
 Blow Description IF BOB @ 2 min.
ISI Surface return.
FF BOB @ 2 min
FSI BOB return.

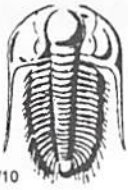
Rec	Feet of	%gas	%oil	%water	%mud
<u>350</u>	<u>G Oil</u>	<u>40</u>	<u>60</u>		
<u>100</u>	<u>G mco</u>	<u>40</u>	<u>45</u>		<u>15</u>
<u>60</u>	<u>GOCM</u>	<u>30</u>	<u>20</u>		<u>50</u>
	<u>1130 GJP</u>				

Rec Total 510 BHT 124 Gravity 38 API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic 1949 Test 1050 T-On Location 0015
 (B) First Initial Flow 45 Jars _____ T-Started 0047
 (C) First Final Flow 75 Safety Joint _____ T-Open 0243
 (D) Initial Shut-In 785 Circ Sub NC T-Pulled 0513
 (E) Second Initial Flow 91 Hourly Standby _____ T-Out 0756
 (F) Second Final Flow 197 Mileage 140 R+ 105 Comments _____
 (G) Final Shut-In 772 Sampler _____
 (H) Final Hydrostatic 1948 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1405.00
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1405

Approved By _____ Our Representative

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64216**

Well Name & No. WP Unit #3-7 Test No. 4 Date 8/29/2017
 Company Carmen Schmitt, Inc Elevation 2434 KB 2429 GL
 Address PO Box 47 Great Bend, Ks 67530
 Co. Rep / Geo. Brad Rine Rig Martin #16
 Location: Sec. 7 Twp. 14s Rge. 25w Co. Trego State Ks

Interval Tested 3955 - 4008 Zone Tested LKC L
 Anchor Length 53 Drill Pipe Run 3930 Mud Wt. 9.1
 Top Packer Depth 3950 Drill Collars Run 29 Vis 56
 Bottom Packer Depth 3955 Wt. Pipe Run 0 WL 6.4
 Total Depth ~~4000~~ 4008 Chlorides 2700 ppm System LCM 2nd

Blow Description IF 1 1/2" blow
ISF! No return.
FF 1 3 1/2" blow
FSI! No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>25</u>	<u>00 cm</u>	<u>10</u>	<u>20</u>	<u>70</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 25 BHT 114 Gravity API RW @ °F Chlorides ppm
 (A) Initial Hydrostatic 1959 Test 1150 T-On Location 1430
 (B) First Initial Flow 18 Jars _____ T-Started 1503
 (C) First Final Flow 21 Safety Joint _____ T-Open 1720
 (D) Initial Shut-In 112 Circ Sub 4K T-Pulled 1950
 (E) Second Initial Flow 15 Hourly Standby _____ T-Out 2133
 (F) Second Final Flow 24 Mileage 140 2r x2 105+105 Comments P/O Tool
 (G) Final Shut-In 167 Sampler _____ 8/30 2100
 (H) Final Hydrostatic 1948 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 1610.00
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1610

Approved By _____ Our Representative [Signature]

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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:
C45524-IN

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

LEASE: WP UNIT 3-7

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
08/30/2017	C45524		08/22/2017		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
1.00	SK	PRICE AS AGREED FOR MILEAGE, PUMP CHARGE, CEMENT, 8 5/8 SURFACE PIPE <i>710/43</i> <i>19004.0307</i> <i>Well Rite</i> <i>"Cement Surface"</i>		0.00	2,999.00	2,999.00
REMIT TO:		COP		Net Invoice:		2,999.00
P.O. BOX 438 HAYSVILLE, KS 67060		FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.		TRECO Sales Tax:		0.00
RECEIVED BY		NET 30 DAYS		Invoice Total:		2,999.00

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^o C 45524

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

DATE 8-22 2017

IS AUTHORIZED BY: CARMEN Schmitt Inc
(NAME OF CUSTOMER)

Address _____ City _____ State _____

To Treat Well As Follows: Lease WP UNIT Well No. 3-7 Customer Order No. _____

Sec. Twp. Range 7-14s-25w 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
2	1	Price Agreed Mileage, Pump Chg. C.M.T.	2999.00	2999.00
		8 5/8" SURFACE PIPE		
		Bulk Charge		
		Bulk Truck Miles		
		Process License Fee on _____ Gallons		
		TOTAL BILLING		2999.00

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 Duane Brozek

Station Great Bend, Ks.

CARMEN Schmitt
Well Owner, Operator or Agent

Remarks _____

NET 30 DAYS



TREATMENT REPORT

Acid Stage No.

Date: 8-29-17 District: Gr. Bead F. O. No. 45534
 Company:
 Well Name & No.:
 Location: Field:
 County: State:
 Casing: Size: 8 5/8" Type & Wt. 27# Set at 218' ft.
 Formation: Perf. to
 Formation: Perf. to
 Formation: Perf. to
 Liner: Size: Type & Wt. Top at ft. Bottom at ft.
 Cemented: Yes/No. Perforated from ft. to ft.
 Tubing: Size & Wt. Swung at ft.
 Perforated from ft. to ft.
 Open Hole Size: T. I. ft. P. I. to ft.

Type Treatment: Amt. Type Fluid Sand Size Pounds of Sand
 Beddown Bbl. /Gal.
 Bbl. /Gal.
 Bbl. /Gal.
 Bbl. /Gal.
 Flush Bbl. /Gal.
 Treated from ft. to ft. No. ft.
 from ft. to ft. No. ft.
 from ft. to ft. No. ft.
 Actual Volume of Oil/Water to Load Hole: Bbl. /Gal.
 Pump Trucks. No. Used: Std. 300 Sp. Twin
 Auxiliary Equipment 367-308T
 Packer: Set at ft.
 Auxiliary Tools Duane, Greg, Mike
 Plugging or Sealing Materials: Type
 (Gal. lb.)

Company Representative _____ Treater: Duane

TIME a.m. / p.m.	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
<u>4:35</u>				<u>ON HOC</u>
			<u>5</u>	<u>BREAK CIA CENT @ 195'</u>
		<u>350</u>	<u>0</u>	<u>MIX CMT 8.5 BPM</u>
			<u>42 BBL</u>	<u>CMT MIXED</u>
			<u>0</u>	<u>START DISPLACEMENT 9 BPM</u>
	<u>400</u>		<u>13 BBL</u>	<u>DISPLACEMENT IN</u>
				<u>Close Well IN</u>
<u>6:00</u>				<u>Job Complete</u>

M. Bradford Rine
Consulting Geologist

Certified; Licensed: AAPG/DPA, SIPES; Kansas, Wyoming
Mobile Phone: (316) 250-5941

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

Well Name: WP Unit #3-7 - Carmen Schmitt, Inc.
API: 15-195-23027-00-00
Location: Approx. NW-SW-NE-SW, Section 07-14S-25W
License Number: KCC #6569
Spud Date: August 22, 2017
Surface Coordinates: 1575'FWL & 1750'FSL,
of Section
Bottom Hole Vertical Wellbore
Coordinates:
Ground Elevation (ft): 2429 Ft. K.B. Elevation (ft): 2434 Ft.
Logged Interval (ft): 3400 Ft. To: 4360 Ft. Total Depth (ft): RTD 4360 Ft. LTD 4358 Ft.
Formation: Mississippian at Total Depth
Type of Drilling Fluid: Chemical
Region: Trego Co., Kansas
Drilling Completed: August 31, 2017
Results: 5-1/2" Casing Set
Field: Unknown

Printed by MudLog from WellSight Systems 1-800-447-1534 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 #415
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 #3-7, on August 31, 2017.

Respectfully submitted,
M. Bradford Rine, geologist

Carmen Schmitt, Inc.
"WP Unit #3-7
Section 07-14S-25W, Trego County, Kansas



Drilling Information

Rig: Murfin Drlg, Rig #16
Pump: Emsco D375 6x14
Drawworks: Cardwell Royale
Collars: 498' 6-1/4 x 2-1/4
Drillpipe: 4-1/2" 16.6# XH
Toolpusher: Andrew Dinkel

Mud: Mudco (Gary Schmidtberger)
Gas Detector: None
Drill Stem Tests: Trilobite (Bradley Walter)
Logs: Pioneer (J. Henrickson)
Water: Harvey Irrigation Well (Pfeifer Tank)
Company Representatives:
Office: Carmen Schmitt
Field: Curtis Hitchmann

Daily Drilling Status

Date: Operations/Depth/Comments
 08-22-17 MIRT, RU, Spud @ 0'
 08-23-17 Drilled out at 1:45 AM, Drilling @ 350'
 08-24-17 Drilling @ 2210'
 08-25-17 TOOH @ 2685 Ft. *(see comments above 3400' in Geo Rpt.)
 08-26-17 Drilling @ 3185'
 08-27-17 Drilling @ 3745'
 08-28-17 Drilling @ 3905'
 08-29-17 Trip Out of Hole with DST #3 @ 3962'
 08-30-17 Drilling @ 4100'
 08-31-17 Trip in Hole with bit after logs @ 4360,
 Set and Cement Casing, job complete 4:15 PM

	Results:			(Well A) Oil		(Well B) Oil			
	Carmen Schmitt, Inc.			Carmen Schmitt, Inc.		Carmen Schmitt, Inc.			
	WP Unit #3-7			WP Unit #1-7		Lipp Harvey #1-12			
	1750'FSL & 1575'FWL			2626'FNL & 1494'FWL		330'FSL & 2450'FEL			
	Sec. 7-14S-25W			Sec. 7-14S-25W		Sec. 12-14S-26W			
	2434	KB		2439	KB	2464	KB	Well A	Well B
Formations	Sample	E-Log	Datum	E-Log	Datum	E-Log	Datum	Comparison(s)	
Anhydrite	1886	1884	550	1893	546	1924	540	4	10
B/Anhydrite	1926	1922	512	1930	509	1963	501	3	11
Tarkio	3278	3273	-839	3283	-844	3318	-854	5	15
Heebner Sh.	3664	3661	-1227	3668	-1229	3706	-1242	2	15
Toronto	3685	3680	-1246	3688	-1249	3726	-1262	3	16
Lansing	3704	3700	-1266	3706	-1267	3744	-1280	1	14
Muncie Creek Sh.	3847	3843	-1409	3856	-1417	3892	-1428	8	19
Stark Sh.	3927	3923	-1489	3937	-1498	3974	-1510	9	21
B/Kansas City	3986	3980	-1546	3992	-1553	4028	-1564	7	18
Marmaton	4025	4020	-1586	4036	-1597	4074	-1610	11	24
Altamont	4050	4045	-1611	4056	-1617	4096	-1632	6	21
Pawnee	4130	4125	-1691	4136	-1697	4174	-1710	6	19
Ft. Scott	4193	4188	-1754	4200	-1761	4236	-1772	7	18
Cherokee Sh.	4217	4212	-1778	4222	-1783	4261	-1797	5	19
Mississippian	4280	4275	-1841	4296	-1857	4344	-1880	16	39
Total Depth	4360	4358	-1924	4375	-1936	4340	-1876	12	-48

Casing Record, Bit Record, Deviation Surveys

CASING:

Conductor: None

Surface: Ran 220' of 8-5/8" 23# New Csg. Set at 218 ft. (Copeland) Cement with 185 sx of 60/40 Poz, 3% CC, 2% gel. Cement did circulate. Plug down at 5:45 PM, August 22, 2017.

Production: Ran 104 jts, new 5-1/2" 14# casing, 1' float shoe with insert on top of shoe joint. Tag bottom at 4358', picked up 2', set casing @ 4356 ft. (Swift) plugged RH with 30 sx, MH with 20 sx. Cement with 400 sx SMD @ 11.2 ppg, followed by 150 sx EA2 @ 15.5 ppg. Displaced with 105.9 bbls. Plug held with 1800 psi. Circulated 25 sx in pit. Job complete at 4:15 PM, August 31, 2017.

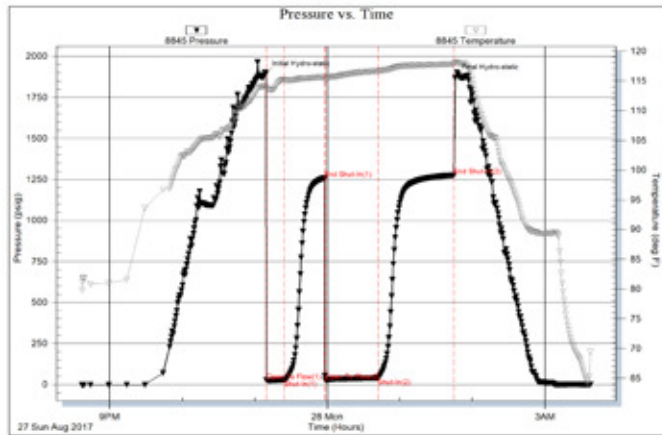
BITS:

No.	Size	Make	Model	Depth In	Depth Out	Hours
1	12-1/4	Reed	TC11rr	0	220	2.25
2	7-7/8	HTC	GX20C	220	2682	35.00
3	7-7/8	rr	Tooth	2682	2689	.50
4	7-7/8	HTC	GX20Crr	2689	3901	47.25
5	7-7/8	HTC	GX20Crr	3901	4360	22.75

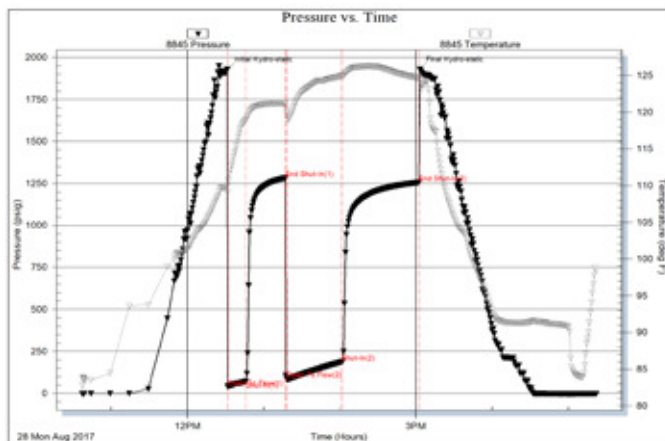
DEVIATION SURVEYS:

Deviation:	Depth:	Deviation:	Depth:
0.25*	220'	1.00*	4360'
1.00*	3901'		

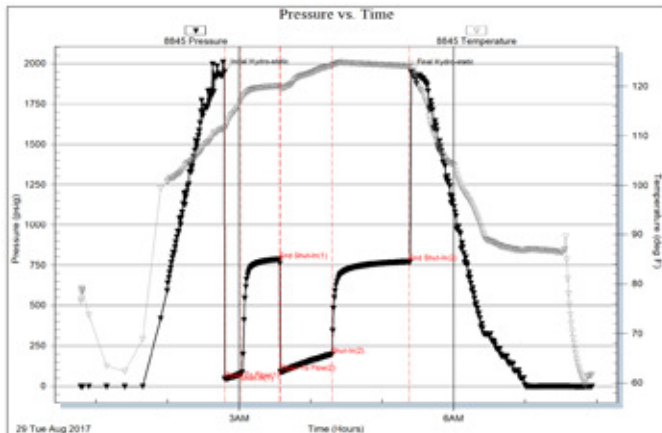
DST #1: 3841-3901 (LKC H, I)
Times: 15-30-45-60
Initial Open: Wk, built to 1.5" i.b.
Final Open: Fr, built to 8.5" i.b.
Rec: 50' Total Fluid, 70' gas in pipe
20' oil (33 gravity)
30' GMCO: 10%g 50%o 40%m
IHP: 1895 FHP: 1873
IFP: 25-28 FFP: 26-39
ISIP: 1259 FSIP: 1276
BHT: 118°F



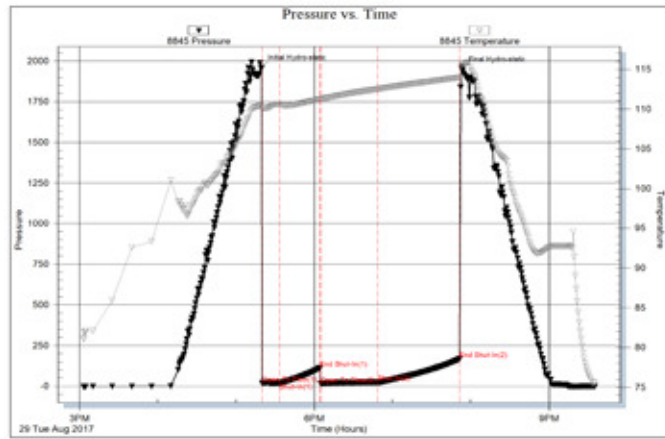
DST #2: 3903-3930 (LKC J)
Times: 15-30-45-60
Initial Open: Stg Blow, b.o.b. 2.5 min,
return blow built to 2"
Final Open: Stg Blow, b.o.b. 2 min.
return blow built to b.o.b.
Rec: 480' Total Fluid, 1700' gas in pipe
400' GCO: 35%g 65%o
80' GOCM: 40%g 20%o 40%m
IHP: 1928 FHP: 1928
IFP: 40-71 FFP: 87-88
ISIP: 1282 FSIP: 1256
BHT: 126°F



DST #3: 3931-3962 (LKC K)
Times: 15-30-45-60
Initial Open: Stg Blow, b.o.b. 2 min,
Return blow Wk surface throughout
Final Open: Stg Blow, b.o.b. 2 min,
Return blow to b.o.b.
Rec: 510' Total Fluid, 1130' gas in pipe
350' GCO: 40%g 60%o
100' GMCO: 40%g 45%o 15%m
60' GOCM: 30%g 20%o 50%m
IHP: 1949 FHP: 1948
IFP: 45-75 FFP: 91-197
ISIP: 785 FSIP: 772
BHT: 124°F



DST #4: 3955-4008 (LKC L)
 Times: 15-30-45-60
 Initial Open: Wk Blow,
 built to 1.5" i.b.
 Final Open: Wk Blow,
 built to 3.5" i.b.
 Rec: 25' OGCM: 10%g 20%o 70%m
 IHP: 1959 FHP: 1948
 IFP: 18-21 FFP: 15-24
 ISIP: 112 FSIP: 167
 BHT: 114*F



Rock Types

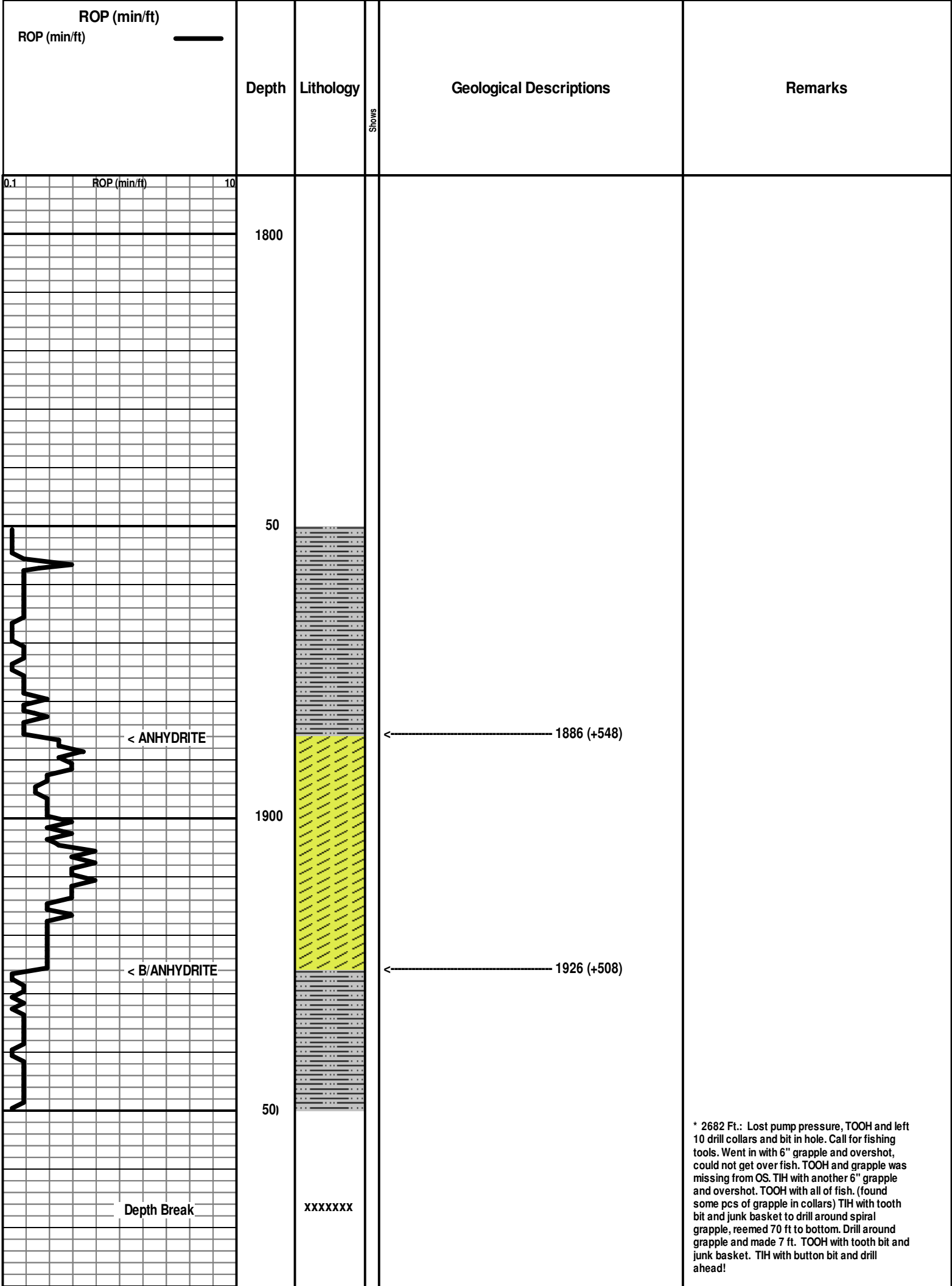
Anhy	Black shale	Lmst	Shcol	Siltysh
Bent	Congl	Meta	Shgy	Shlysiltst
Brec	Dol	Mrlst	Siltst	Sandyls
Cht	Gyp	Salt	Ss	
Clyst	Igne	Shale	Till	

Accessories

MINERAL	Gyp	FOSSIL	Ostra	Siltstrg
Anhy	Hvymin	Algae	Pelec	Ssstrg
Arggrn	Kaol	Amph	Pellet	TEXTURE
Arg	Marl	Belm	Pisolite	Boundst
Bent	Minxl	Bioclst	Plant	Chalky
Bit	Nodule	Brach	Strom	Cryxln
Brecfrag	Phos	Bryozoa	STRINGER	Earthy
calcite ls	Pyr	Cephal	Anhy	Finexln
Carb	Salt	Coral	Shale	Grainst
Chtdk	Sandy	Crin	Bent	Lithogr
Chtlt	Silt	Echin	Coal	Microxln
Dol	Sil	Fish	Dol	Mudst
Feldspar	Sulphur	Foram	Gyp	Packst
Ferrpel	Tuff	Fossil	Ls	Wackst
Ferr		Gastro	Mrst	
Glau		Oolite		

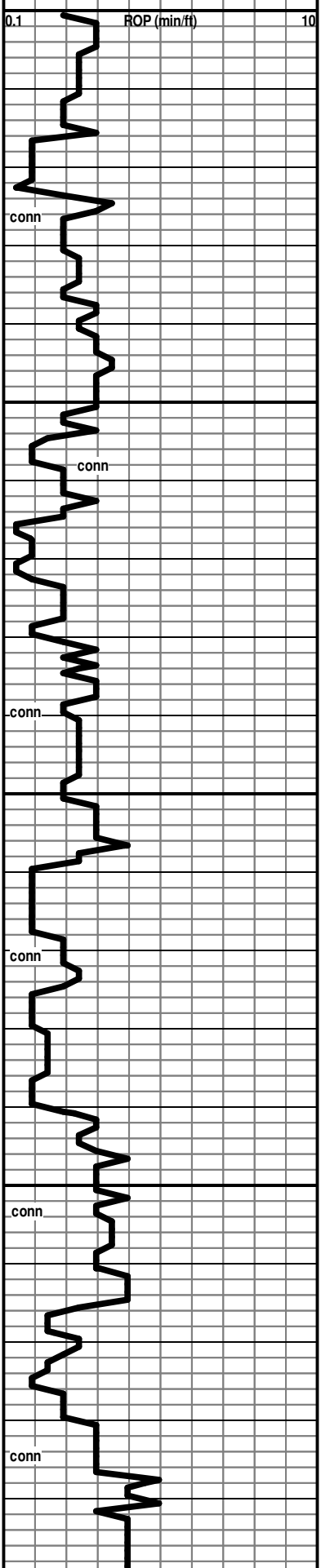
Other Symbols

OIL SHOW	Spotted	Gas	INTERVAL
Gas show	Trace to questionable		Core
Even	Dead		Dst

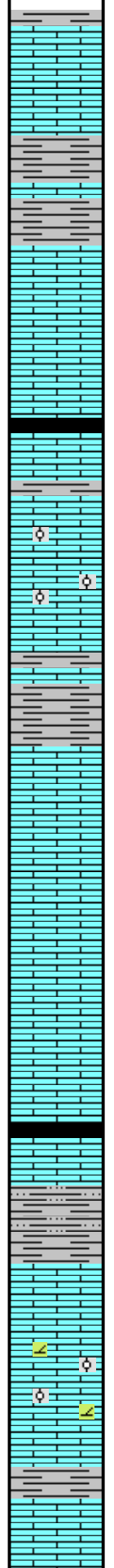


* Displace and Mudup, job complete @ 3269 Ft!

0.1 ROP (min/ft) 10

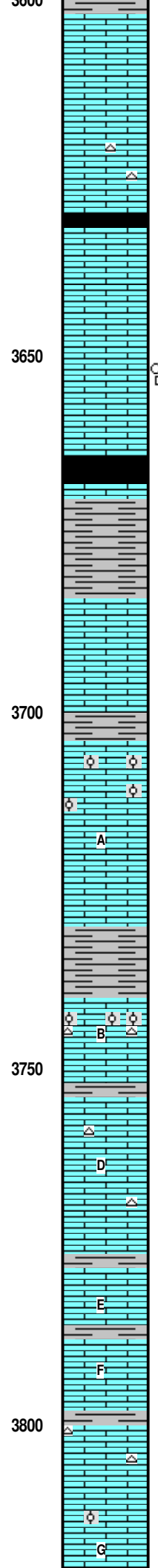
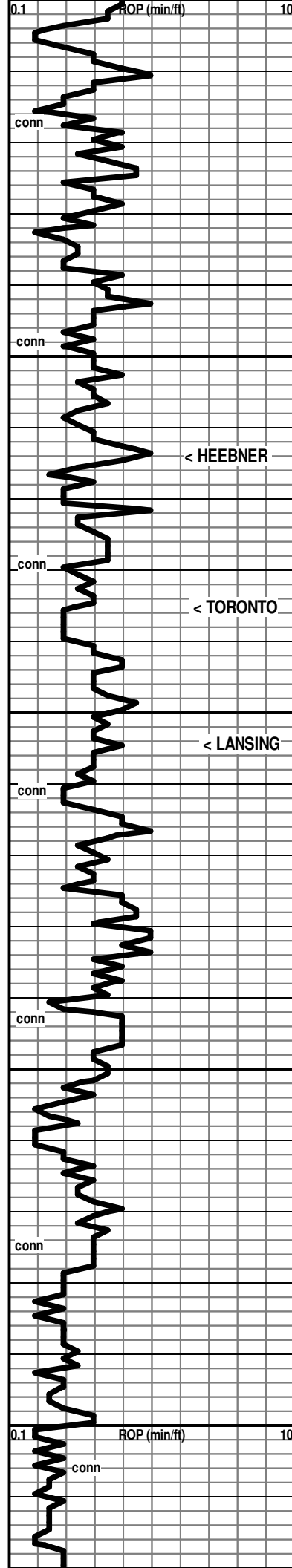


3400
3450
3500
3550
3600



Ls cr-pl gy, fn xln, pr xln por to dns, foss
Sh gy-grnish gy
Ls cr-pl gy,fn xln, pr xln por, foss
Ls gy, fn xln, dns, foss
Ls wh-cr, fn xln, pr xln por, ool in pt (mostly well cem with chalky cem)
Sh gy-grnish gy
Ls wh-cr-tan, pr-fr xln por, subchalky in pt, ool-oom in pt, foss
Sh gy
Ls cr-gy, fn xln, dns to pr xln por, ofss
Ls cr, fn xln, pr-fr xln por, submealy text, scatt pp pores, foss to abund micro-foss
Ls cr, pr xln por, some white chalky mushy pcs, foss
Sh black, carb
Sh gy,subsilty-silty in pt
Ls wh-cr, fn xln, pr-fr xln por in pt, some subchalky, foss, scatt fn ool with scatt interool pores
Sh gy

3600



Ls wh-cr-tan, fn xln, dns to pr xln por, foss, chert: tan, fresh, subopaq, spic in pt

Ls wh-cr-tan, fn xln, chalky in pt, dns to pr xln por, foss, chert: tan, fresh, subopaq, spic in pt

Sh black, carb

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

Ls wh-cr, fn xln, pr xln por, subchalky, foss, soft, dirty looking

[No odor, No fluor, scatt spotty dead strn, NSFO]

← 3664 (-1230)
Sh black, carb (trace in 3680' spl, abund in 3690'spl)
Ls cr, fn xln, pr xln por

Sh gy-grn, subsilty in pt

← 3685 (-1251)

Ls wh-cr, fn xln, pr xln to dns, chalky in abund, foss

← 3704 (-1270)

Ls wh-cr, fn xln, pr xln por, chalky in pt, abund ool (cem to scatt interool pores)

[No Show]

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

Sh gy-grn-black, carb in pt

Ls wh-cr-tan, fn xln, pr xln por, ool in pt (mostly well cem with scatt interool pores), chalky in pt, scatt calcite patches, foss, chert: fresh, wh-tan, subtransl

[No Show]

Sh gy-grn

Ls wh-cr-tan, fn xln, pr xln por, with some Rr fr xln por, chalky and soft in pt, Chert: fresh, cr-tan, transl, spic in pt

[No Show]

Sh gy-grn

Ls wh-cr-tan, fn xln, pr xln por to dns, some subchalky, foss, scatt calcite patches

[No Show]

Sh gy-grnish-red

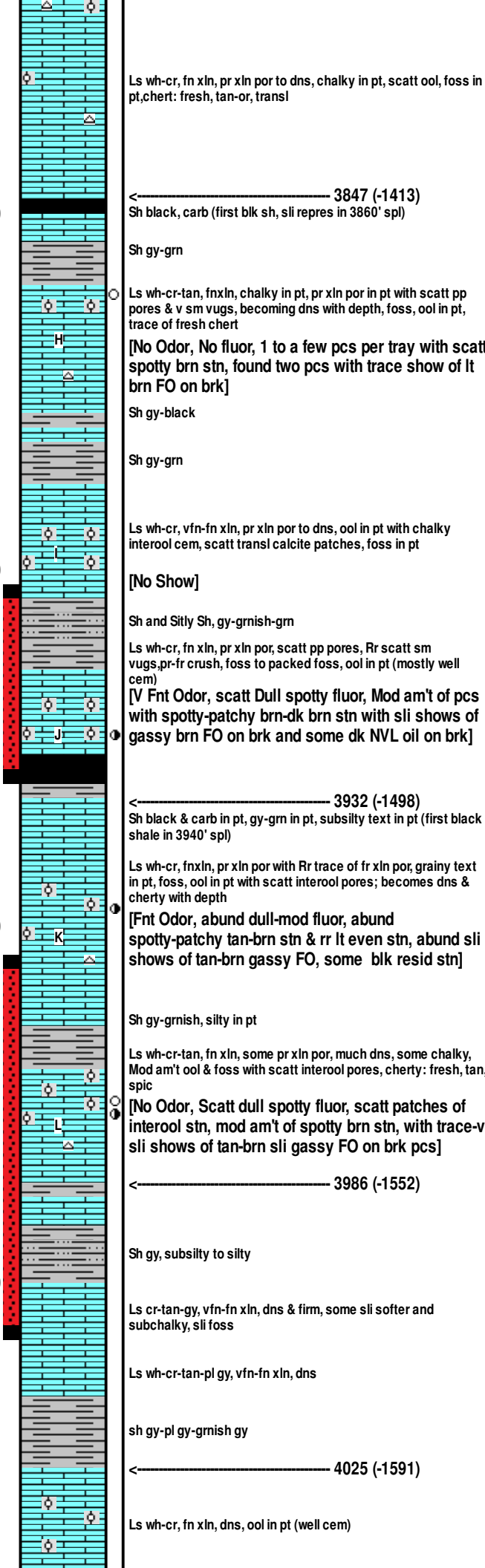
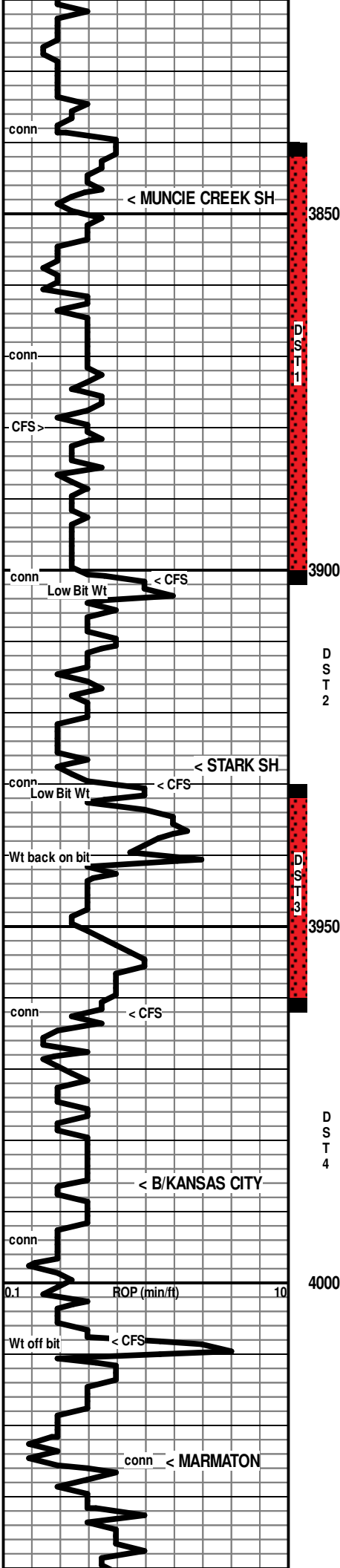
Ls wh-cr,fn xln, dns in pt, pr-fr xln por in pt, scatt pp pores, subchalky to chalky in pt, foss, chert: fresh, tan-or, subtransl, foss in pt

[No Show]

Ls wh-cr, fn xln, pr xln por, scatt pp pores, fn ool with rr tiny oom, foss, chert: fresh, tan-or, transl

[No Show]

7:00 AM, August 27, 2017



Ls wh-cr, fn xln, pr xln por to dns, chalky in pt, scatt ool, foss in pt, chert: fresh, tan-or, transl

← 3847 (-1413)
Sh black, carb (first blk sh, sli repres in 3860' spl)

Sh gy-grn

Ls wh-cr-tan, fnxln, chalky in pt, pr xln por in pt with scatt pp pores & v sm vugs, becoming dns with depth, foss, ool in pt, trace of fresh chert

[No Odor, No fluor, 1 to a few pcs per tray with scatt spotty brn stn, found two pcs with trace show of lt brn FO on brk]

Sh gy-black

Sh gy-grn

Ls wh-cr, vfn-fn xln, pr xln por to dns, ool in pt with chalky interool cem, scatt transl calcite patches, foss in pt

[No Show]

Sh and Silty Sh, gy-grnish-grn

Ls wh-cr, fn xln, pr xln por, scatt pp pores, Rr scatt sm vugs, pr-fr crush, foss to packed foss, ool in pt (mostly well cem)

[V Fnt Odor, scatt Dull spotty fluor, Mod am't of pcs with spotty-patchy brn-dk brn stn with sli shows of gassy brn FO on brk and some dk NVL oil on brk]

← 3932 (-1498)
Sh black & carb in pt, gy-grn in pt, subsilty text in pt (first black shale in 3940' spl)

Ls wh-cr, fnxln, pr xln por with Rr trace of fr xln por, grainy text in pt, foss, ool in pt with scatt interool pores; becomes dns & cherty with depth

[Fnt Odor, abund dull-mod fluor, abund spotty-patchy tan-brn stn & rr lt even stn, abund sli shows of tan-brn gassy FO, some blk resid stn]

Sh gy-grnish, silty in pt

Ls wh-cr-tan, fn xln, some pr xln por, much dns, some chalky, Mod am't ool & foss with scatt interool pores, cherty: fresh, tan, spic

[No Odor, Scatt dull spotty fluor, scatt patches of interool stn, mod am't of spotty brn stn, with trace-v sli shows of tan-brn sli gassy FO on brk pcs]

← 3986 (-1552)

Sh gy, subsilty to silty

Ls cr-tan-gy, vfn-fn xln, dns & firm, some sli softer and subchalky, sli foss

Ls wh-cr-tan-pl gy, vfn-fn xln, dns

sh gy-pl gy-grnish gy

← 4025 (-1591)

Ls wh-cr, fn xln, dns, ool in pt (well cem)

Mud Check, Drlg @ 3832':
Vis Wt WL PV YP
52 9.3 6.8 18 26
Chl Hd pH Solids
2600 Tr 10.5 7.0

DST #1: 3841-3901 (LKC H, I)
Times: 15-30-45-60
Initial Open: Wk, built to 1.5" i.b.
Final Open: Fr, built to 8.5" i.b.
Rec: 50' Total Fluid, 70' gas in pipe
20' oil (33 gravity)
30' GMCO: 10%g 50%o 40%m
IHP: 1895 FHP: 1873
IFP: 25-28 FFP: 26-39
ISIP: 1259 FSIP: 1276
BHT: 118°F

*Concerned with junk on bottom after trips, TP drilling first several feet with low bit weight!
* Pipe Strap @ 3901 Ft: 1.97' short to board!

Mud Check, TOOH for DST2 @ 3930':
Vis Wt WL PV YP
59 9.2 6.4 16 24
Chl Hd pH Solids
2700 Tr 10.5 6.3
7:00 AM, August 28, 2017

DST #2: 3903-3930 (LKC J)
Times: 15-30-45-60
Initial Open: Stg Blow, b.o.b. 2.5 min, return blow built to 2"
Final Open: Stg Blow, b.o.b. 2 min. return blow built to b.o.b.
Rec: 480' Total Fluid, 1700' gas in pipe
400' GCO: 35%g 65%o
80' GOCM: 40%g 20%o 40%m
IHP: 1928 FHP: 1928
IFP: 40-71 FFP: 87-88
ISIP: 1282 FSIP: 1256
BHT: 126°F

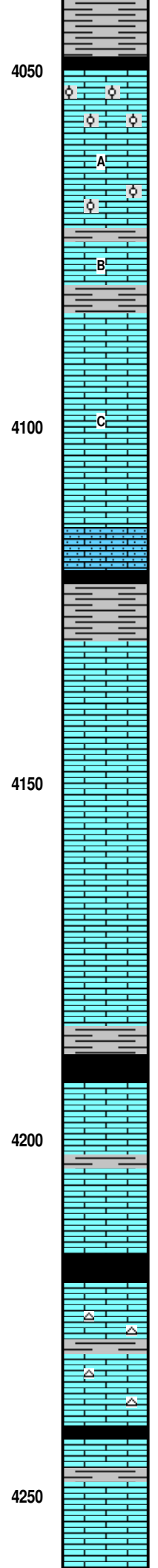
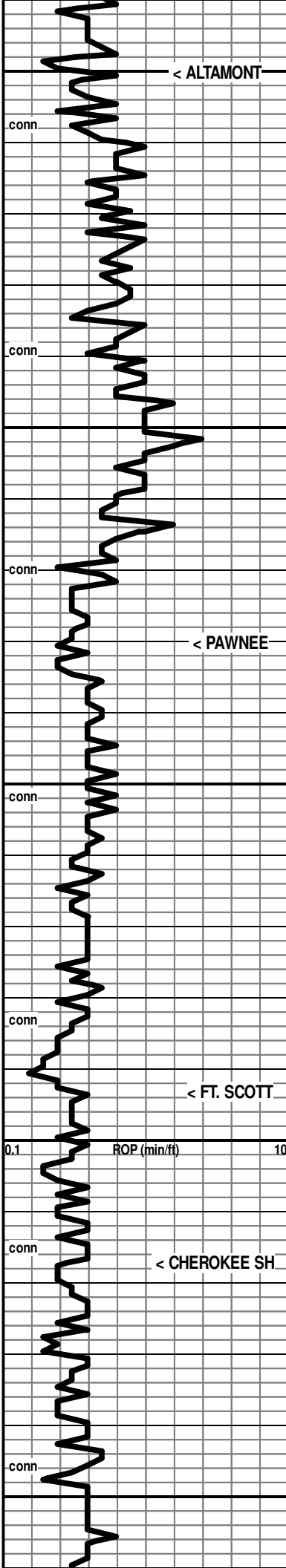
7:00 AM, August 29, 2017

DST #3: 3931-3962 (LKC K)
Times: 15-30-45-60
Initial Open: Stg Blow, b.o.b. 2 min, Return blow Wk surface throughout
Final Open: Stg Blow, b.o.b. 2 min, Return blow to b.o.b.
Rec: 510' Total Fluid, 1130' gas in pipe
350' GCO: 40%g 60%o
100' GMCO: 40%g 45%o 15%m
60' GOCM: 30%g 20%o 50%m
IHP: 1949 FHP: 1948
IFP: 45-75 FFP: 91-197
ISIP: 785 FSIP: 772
BHT: 124°F

Mud Check, CTCH @ 3962':
Vis Wt WL PV YP
60 9.0 6.4 18 31
Chl Hd pH Solids
2700 Tr 11.0 4.9

DST #4: 3955-4008 (LKC L)
Times: 15-30-45-60
Initial Open: Wk Blow, built to 1.5" i.b.
Final Open: Wk Blow, built to 3.5" i.b.

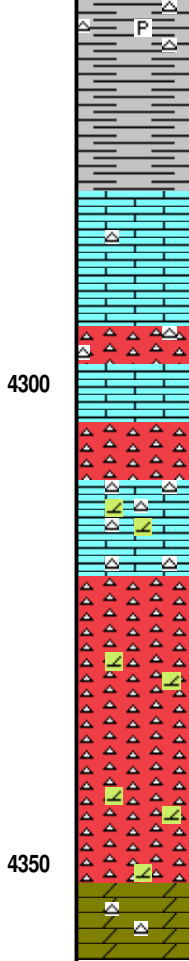
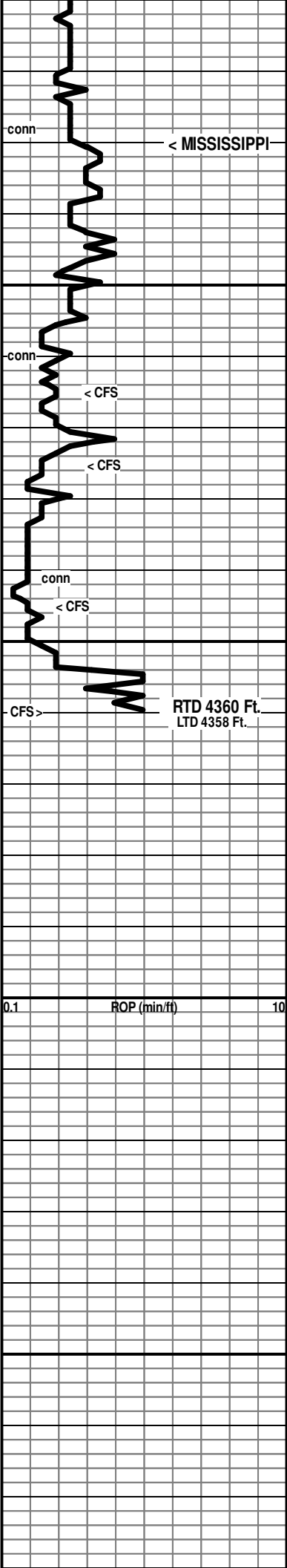
Rec: 25' OGCM: 10%g 20%o 70%m
 IHP: 1959 FHP: 1948
 IFP: 18-21 FFP: 15-24
 ISIP: 112 FSIP: 167
 BHT: 114°F



Sh gy-black
 ← 4050 (-1616)
 Ls wh-cr, fn xln, dns, ool (well cem) chalky in pt
 Ls wh-cr-tan, vfn-fn xln, dns
 Ls wh-cr, fn xln, dns, ool (well cem) chalky in pt & Ls cr-tan, vfn xln, smooth text, dns
 B
 Sh gy-dk gy
 Ls wh-cr-tan, vfn-fn xln, dns, some smooth text, some subchalky text, scatt sli off
 C
 Ls wh-cr-tan, vfn-fn xln, mostly dns & hard, to soft and chalky, scatt transl calcite patches, sli foss in pt
 Ls as above with abund sdy ls pcs or sd with calc cem
 Sh black, carb (first arrival in 4150' spl)
 ← 4130 (-1696)
 Ls wh-cr-tan-pl gy, vfn-fn xln, mostly dns & hard, with scatt patches & pcs chalky, Rr foss
 Ls wh-cr-tan, vfn-fn xln, dns, Rr scatt calcite patches, scatt foss
 Ls wh-cr-tan-pl gy, vfn-fn xln, dns, scatt chalky patches, sli foss in pt
 Sh gy-dk gy-black, carb in pt (first black shale sli repres in 4190' spl, more in 4200' spl)
 ← 4193 (-1759)
 Ls wh-cr-tan, vfn xln, mostly dns & hard to some patches & pcs soft and chalky, foss in pt
 Sh gy-dk gy
 Ls wh-cr-tan, vfn xln, mostly dns & hard to some patches & pcs soft and chalky, scatt calcite patches, foss in pt
 ← 4217 (-1783)
 Sh black, carb (first arrival 4230' spl)
 Ls cr-tan, vfn-fn xln, dns, chert: fresh, tan, subtransl, spiculitic
 Ls cr-tan, vfn-fn xln, dns, some chalky, chert: fresh, tan, subtransl, spiculitic
 Sh black, carb
 Ls wh-cr-tan, vfn-fn xln, mostly dns & firm, some chalky-subchalky, foss in pt
 Ls wh-cr-tan, vfn-fn xln, mostly dns & firm, some chalky-subchalky, some subsucro dolo text, foss in pt

7:00 AM, August 30, 2017

Mud Check, Drlg @ 4181':
 Vis Wt WL PV YP
 60 9.2 7.2 12 27
 Chl Hd pH Solids
 3700 Tr 10.0 6.3



Spls a mix of Ls, Sh, Chert, and pyrite: Ls wh-cr dns; Sh red-gy-gmish; chert cr-tan-yell-or, fresh, subop-subtransl, loose pyrite pcs

← 4280 (-1846)

4290' spl: 70% Ls wh-cr-tan, vfn xln, dns with some chalky pcs; 25% Shale gy-gm, silty in pt; 05% Chert: fresh, cr-tan-or, foss in pt, subop-subtransl

4290' spl: 80% Ls wh-cr-tan, vfn xln, dns with some chalky pcs; 15% Shale gy-gm-red-yell, silty in pt; 05% Chert: fresh, cr-tan-or, foss in pt, subop-subtransl

Abund chert and Ls in spls: Ls wh-cr, fn xln, chalky in pt, dolom in pt, pr xln por in pt; Chert: fresh to conglomeritic, wh-cr-tan-or, some chert frag clusters with calc cem

4325' spl: 80% Shale, red-gy-gm-yell, silty in pt, 20% Ls and chert as above

4340' spl: 75% shales red-gy-gm-yell, earthy to silty; 20% Ls/Dol Ls cr-tan, fn xln, subsucr, dns, some tetritral mix

Mostly Chert: fresh, wh-cr-tan-or, foss, some recemented frags, subtransl-subopaq; Ls/Dol Ls, wh-cr, vfn-fn xln, subsucr-sucr, pr vis xln por; some shale as above

50% Shales (slough from above?); 50% Dol/Limey Dol fn xln, sucr, pr vis xln por

Dol Ls wh-cr, vfn-fn xln, subsucr text, dns to pr xln por, cherty

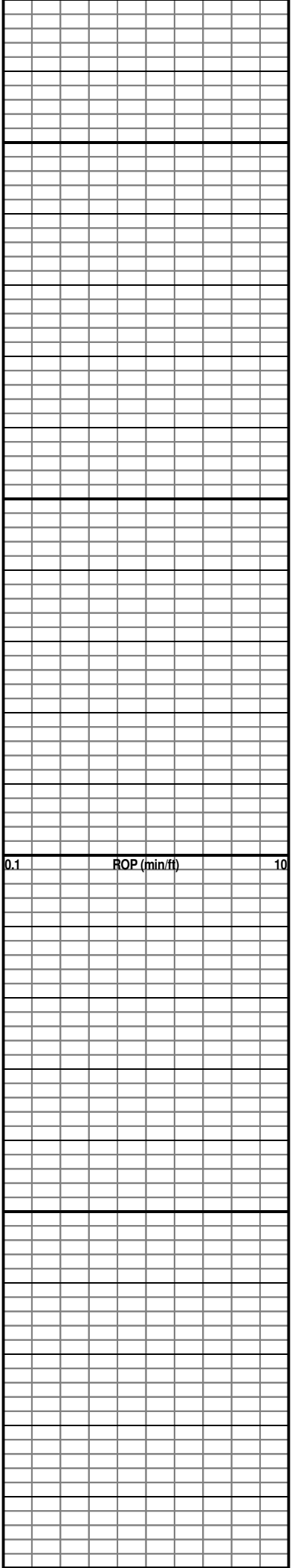
RTD 4360 Ft. at 8:45 PM, August 30, 2017!

0.1 ROP (min/ft) 10

4400

4450

RTD 4360 Ft.
LTD 4358 Ft.



4500

4550

4600

4650

4700

0.1 ROP (min/ft) 10

4700

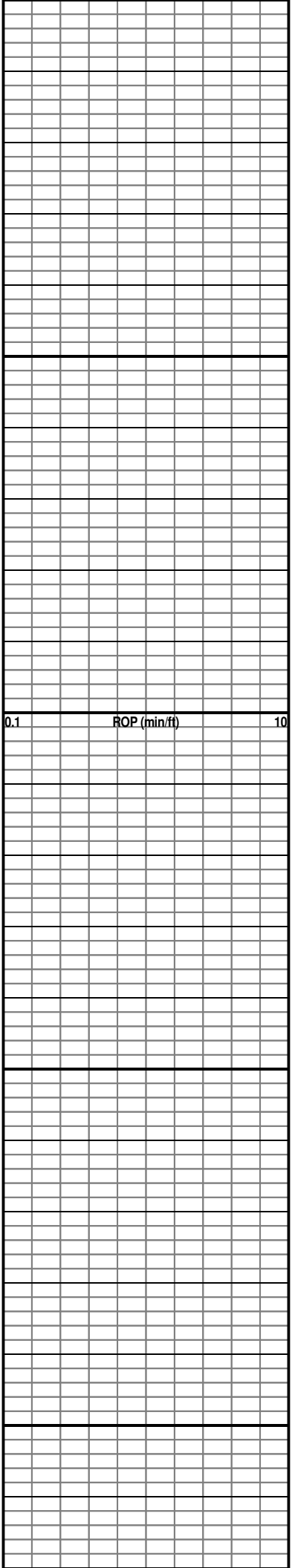
4750

4800

4850

4900

0.1 ROP (min/ft) 10





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



Invoice

DATE	INVOICE #
8/31/2017	30757

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	#3-7	WP Unit	Trego	Murfin Drilling Ri...	Oil	Development	Cement 5 1/2 Lo...	David K.
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				60	Miles	5.00	300.00
579D	Pump Charge - Two-Stage & Top To Bottom LongString				1	Job	1,700.00	1,700.00
402-5	5 1/2" Centralizer				12	Each	60.00	720.00T
403-5	5 1/2" Cement Basket				3	Each	250.00	750.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	225.00	225.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	300.00	300.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
325	Standard Cement				150	Sacks	12.25	1,837.50T
284	Calseal				7	Sack(s)	30.00	210.00T
283	Salt				750	Lb(s)	0.20	150.00T
285	CFR-1				50	Lb(s)	4.50	225.00T
276	Flocele				150	Lb(s)	2.25	337.50T
330	Swift Multi-Density Standard (MIDCON II)				450	Sacks	15.75	7,087.50T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
290	D-Air				6	Gallon(s)	42.00	252.00T
581D	Service Charge Cement				600	Sacks	1.50	900.00
583D	Drayage				1,812	Ton Miles	0.75	1,359.00
	Subtotal							17,278.50
	Sales Tax Trego County						8.00%	1,041.56

710/43
19004.0307
Well Rite
"Cement Long String"

We Appreciate Your Business!	Total	\$18,320.06
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CHARGE TO: Carmen Schmitt Inc.
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET 30757

PAGE 1 OF 2

WELL PROJECT NO. 137 LEASE WP Unit COUNTY/PARISH Trege STATE KS CITY Utica DATE 8-31-17 OWNER Same

TICKET TYPE SERVICE SALES CONTRACTOR Martin Drilling SHIPPED VIA CT DELIVERED TO Location ORDER NO. _____

WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE Cement 5 1/2" Longstring WELL PERMIT NO. _____ WELL LOCATION Utica - 14 w/ 1/2 E, Wind

INVOICE INSTRUCTIONS _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCT	DF	DESCRIPTION	QTY.	UM	QTY.	UM	DIS- UN- DECIDED	AGREE	AGREE	UNIT PRICE	AMOUNT
575		1			MILEAGE			60	mi				5.00	300.00
579		1			Pump Charge - Top to Bottom Longstring	5 1/2	in	1	job				1700.00	1700.00
402		1			Centralizer	5 1/2	in	12	loc				60.00	720.00
403		1			Cement Basket	5 1/2	in	3	loc				250.00	750.00
406		1			Latch Down Plug + Baffle	5 1/2	in	1	loc				225.00	225.00
407		1			Insert Flood Shoe w/ Aube Fill	5 1/2	in	1	loc				300.00	300.00
419		1			Rotating Head Rental	5 1/2	in	1	job				200.00	200.00

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

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 Carmen Schmitt TIME SIGNED 8:30 P.M.
 DATE SIGNED 8-31-17

AGREE YES NO
 CUSTOMER DID NOT WISH TO RESPOND

SURVEY 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?

PAGE TOTAL #1 4195.00
 #2 13,083.50

Trege
 8.00%

17278.00
 1041.56
 18320.06

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR David Kuehn APPROVAL _____

Thank You!



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

TICKET CONTINUATION

TICKET No. 80767

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		TIME	DESCRIPTION	WELL		QTY	U/M	QTY	U/M	UNIT PRICE	AMOUNT
		LOG	ACCT			DF	QTY						
325		1			Standard Cement (EA-2)		WP	150	sk	3.7		12.28	1837.50
284		1			Coal Seal	5	%	7	sk			30.00	210.00
283		1			Salt	10	%	750	lbs			0.20	150.00
285		1			CFR-1	1/2	%	50	lbs			4.50	225.00
276		1			Flocce	1/4	lb	150	lbs			2.25	337.50
330		1			SMD Cement			450	sk			15.25	7087.50
281		1			Mud Flush			500	gal			1.25	625.00
221		1			Liquid KCL			4	gal			25.00	100.00
290		1			D-Air			6	gal			42.00	252.00
581		1			SERVICE CHARGE								
583		1			MILEAGE CHARGE								
					TOTAL WEIGHT	60							
					LOADED MILES	60							
					CUBIC FEET	600						1.50	900.00
					TON MILES	1812						0.75	1359.00
												CONTINUATION TOTAL	13083.50

JOB LOG

SWIFT Services, Inc.

DATE 8-31-17 PAGE NO. 1

CUSTOMER Carmen Schmitt Inc. WELL NO. #3-7 LEASE WP Unit JOB TYPE 5 1/2" Longstring TICKET NO. 30757

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1115							on location 5 1/2" 14"
								RTD - 4360' LTD - 4358'
								TP - 4361' Set - 4358'
								SJ - #1 18.58
								cent - 4" 6" 8" 10" 12" 14" 16" 18" 20" 22" 53" 62"
								Basket - 3" 31" 59"
	1230							Start 5 1/2" 14" casing in well
	1400							Drop Ball circulate * Rotate *
	1500	6 1/2	12		✓	300		Pump 500 gal Muel Flush
		6 1/2	20		✓	300		Pump 20 bbl KCL Flush
			16-11					Plug RH - MH (30-20)
	1510	6 1/2	222		✓	200		mix 400 sks SMD @ 11.2 ppg
		4 1/2	36		✓	100		mix 150 sks EA-2 @ 15.5 ppg
								wash out Pump + Lines
								Release Latch Down Plug
	1600	6 1/2	0		✓	100		Start Displacement * KCL in 1st 20 bbls *
		6 1/2	40		✓	400		Lift Pressure
		6 1/2	92		✓	900		circulate cement to surface * 25 sks *
		6 1/2	104		✓	1000		max lift Pressure
	1620	6 1/2	105.9		✓	1800		hand Latch Down Plug
								Release Pressure * Plug Hold *
								wash up truck
	1645							Job Complete
								Thank You
								Dave Preston Kirby Flint