

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
--	---

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
---	---	------------------------------------

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Carmen Schmitt, Inc.
Well Name	WP UNIT 6-7
Doc ID	1417997

Tops

Name	Top	Datum
Anhydrite	1910	548
Heebner Sh	3693	-1235
Toronto	3712	-1254
Lansing	3732	-1274
Stark Sh	3959	-1501
B/KC	4014	-1556
Marmaton	4057	-1599
Altamont	4081	-1623
Pawnee	4162	-1704
Fort Scott	4224	-1766
Cherokee Sh	4249	-1791
Miss	4317	-1859

COPELAND

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

Invoice

Acid & Cement

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

INVOICE NUMBER:
C46069-IN

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

LEASE: WP UNIT 6-7

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
05/29/2018	C46069		05/24/2018		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
1.00	EA	PRICE AS AGREED TO: CEMENT 8 5/8 SURFACE. CEMENT 8 5/8 SURFACE <i>7/10/43</i> <i>19004.0607</i> <i>Well Hole</i> <i>Surface Cement</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.



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



Invoice

DATE	INVOICE #
6/2/2018	31312

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	#6-7	W.P Unit	Trego	Murfin Drilling	Oil	Development	5 1/2 Longstring ...	Wayne
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
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00
281	Mud Flush				500	Gallon(s)	1.50	750.00T
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
419-4	4 1/2" Rotating Head Rental				1	Each	200.00	200.00T
325	Standard Cement				150	Sacks	13.00	1,950.00T
330	Swift Multi-Density Standard (MIDCON II)				450	Sacks	16.25	7,312.50T
276	Flocele				150	Lb(s)	2.50	375.00T
283	Salt				750	Lb(s)	0.20	150.00T
284	Calseal				7	Sack(s)	35.00	245.00T
285	CFR-1				100	Lb(s)	4.50	450.00T
290	D-Air				7	Gallon(s)	42.00	294.00T
581D	Service Charge Cement				600	Sacks	1.75	1,050.00
583D	Drayage				1,359	Ton Miles	0.85	1,155.15
	Subtotal							18,106.65
	Sales Tax Trego County						8.00%	1,106.12

7/8/43
19004.0607
Well #14
"Cement Long String"

We Appreciate Your Business!

Total

\$19,212.77



CHARGE TO: **CARMEN SCHMIDT**

ADDRESS

CITY, STATE, ZIP CODE

1. SERVICE LOCATIONS NESS CITY, KS	WELL/PROJECT NO. 6-7	LEASE W. P. UNZT	COUNTY/PARISH TREGO	STATE Ks	CITY
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR MURFEN DRIG.	RIG NAME/NO.	SHIPPED VIA CT	DELIVERED TO LOCATION
3.	WELL TYPE OIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE 5 1/2" LONGSTRENGTH TOP-BTM	WELL PERMIT NO.	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS				

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.
		LOC	ACCT	DF				
575		1			MILEAGE # 112	45	ME	
579		1			PUMP CHARGE - TOP TO BOTTOM	4155	FT	1
221		1			LIQUID KCL	2	GAL	
281		1			MUDFLUSH	500	GAL	
402		1			CENTRALIZERS	10	EA	5 1/2
403		1			CEMENT BASSETS	3	EA	
406		1			LATCH DOWN PLUG - BAFFLE	1	EA	
407		1			INSERT FLOAT SHOE W/AUTO FALL	1	EA	
419		1			ROTATING HEAD RENTAL	1	JOB	

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 K. Schumann*
 DATE SIGNED: **6-2-18** TIME SIGNED: **1830** 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? <input type="checkbox"/> YES <input type="checkbox"/> NO		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND		

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

SWIFT OPERATOR: **WAYNE WILSON** APPROVAL

JOB LOG

SWIFT Services, Inc.

DATE 6-2-18 PAGE NO. 1

CUSTOMER CARMEN SCHMIDT WELL NO. 6-7 LEASE W.P. UNIT JOB TYPE 5 1/2" LONGESTAWG TICKET NO. 031312

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PS)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1800							ON LOCATION
	1845							START 5 1/2" CASING IN WELL
								TD - 4360 SET = 4155 TP - 4155 5 1/2" 14 ST - 43' CENTRALIZERS - 3, 5, 7, 9, 11, 12, 14, 16, 53, 54 CMT BSKTS - 2, 32, 52
	2020							DROP BALL - CIRCULATE ROTATE
	2120	6	12		✓		450	PUMP 500 GAL MUDFLUSH
	2122	6	20		✓		450	PUMP 20 BBLs KCL WATER
	2130		7-5					PLUG RH (30SKS) MH (20SKS)
	2140	6 1/4	221		✓		300	MAX CEMENT - 400 SKS SMD = 11.2 PPG
		5	36		✓		100	150 SKS FA-2 = 15.5 PPG
	2225							WASH OUT PUMP - LINES
	2225							RELEASE L. D. PLUG
	2230	6 1/2	0		✓		0	DISPLACE PLUG
		6 1/2	95				1100	
	2245	6	100.3				1750	PLUG DOWN - PSI UP CATCH IN PLUG
	2250						OK	RELEASE PSI - HELD
								CIRCULATED 25 SKS CEMENT TO SET
								WASH TRUCK
	2400							JOB COMPLETE THANK YOU WAYNE, DAVE K., ZACH, KERBY



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc.**

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

WP Unit #6-7

7-14S-25W Trego,KS

Start Date: 2018.05.28 @ 05:10:00

End Date: 2018.05.28 @ 11:54:00

Job Ticket #: 63906 DST #: 1

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

Printed: 2018.06.04 @ 09:40:50



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 #6-7
 Job Ticket: 63906 **DST#: 1**
 Test Start: 2018.05.28 @ 05:10:00

GENERAL INFORMATION:

Formation: **LKC 'H'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:41:30
 Time Test Ended: 11:54:00
 Interval: **3870.00 ft (KB) To 3915.00 ft (KB) (TVD)**
 Total Depth: 3915.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Spencer J. Staab
 Unit No: 84
 Reference Elevations: 2458.00 ft (KB)
 2453.00 ft (CF)
 KB to GR/CF: 5.00 ft

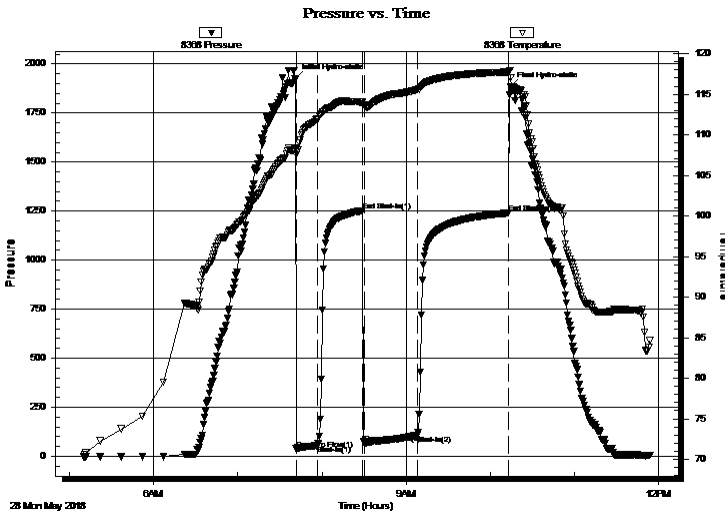
Serial #: 8368

Inside

Press@RunDepth: 107.88 psig @ 3879.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.05.28 End Date: 2018.05.28 Last Calib.: 2018.05.28
 Start Time: 05:10:15 End Time: 11:54:00 Time On Btm: 2018.05.28 @ 07:41:15
 Time Off Btm: 2018.05.28 @ 10:14:30

TEST COMMENT: 15-IF-Fair Blow ; BOB in 12 mins; Built to 12"
 30-ISI-Weak Blow ; Built to 5"
 45-FF-Fair Blow ; BOB in 10 mins; Built to 46"
 60-FSI-Fair Blow ; BOB in 43 mins; Built to 12"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1923.34	108.36	Initial Hydro-static
1	38.05	107.55	Open To Flow (1)
16	55.13	111.96	Shut-In(1)
48	1252.15	114.02	End Shut-In(1)
49	68.38	113.64	Open To Flow (2)
87	107.88	115.55	Shut-In(2)
152	1240.32	117.72	End Shut-In(2)
154	1882.13	117.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	MO 50%M 50%O	1.55
120.00	CGO 20%G 80%O	1.70
0.00	700' GIP 100%G	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

WP Unit #6-7

Job Ticket: 63906

DST#: 1

ATTN: Brad Rine

Test Start: 2018.05.28 @ 05:10:00

Tool Information

Drill Pipe:	Length: 3828.00 ft	Diameter: 3.82 inches	Volume: 54.26 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 54.42 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3870.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	73.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3843.00	
Shut In Tool	5.00			3848.00	
Hydraulic tool	5.00			3853.00	
Jars	5.00			3858.00	
Safety Joint	3.00			3861.00	
Packer	5.00			3866.00	28.00 Bottom Of Top Packer
Packer	4.00			3870.00	
Stubb	1.00			3871.00	
Perforations	7.00			3878.00	
Change Over Sub	1.00			3879.00	
Recorder	0.00	8368	Inside	3879.00	
Recorder	0.00	9120	Inside	3879.00	
Drill Pipe	32.00			3911.00	
Change Over Sub	1.00			3912.00	
Bullnose	3.00			3915.00	45.00 Bottom Packers & Anchor

Total Tool Length: 73.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

7-14S-25W Trego, KS

PO Box 47
Great Bend KS 67530

WP Unit #6-7

Job Ticket: 63906

DST#: 1

ATTN: Brad Rine

Test Start: 2018.05.28 @ 05:10:00

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:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	MO 50%M 50%O	1.547
120.00	CGO 20%G 80%O	1.701
0.00	700' GIP 100%G	0.000

Total Length: 250.00 ft

Total Volume: 3.248 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

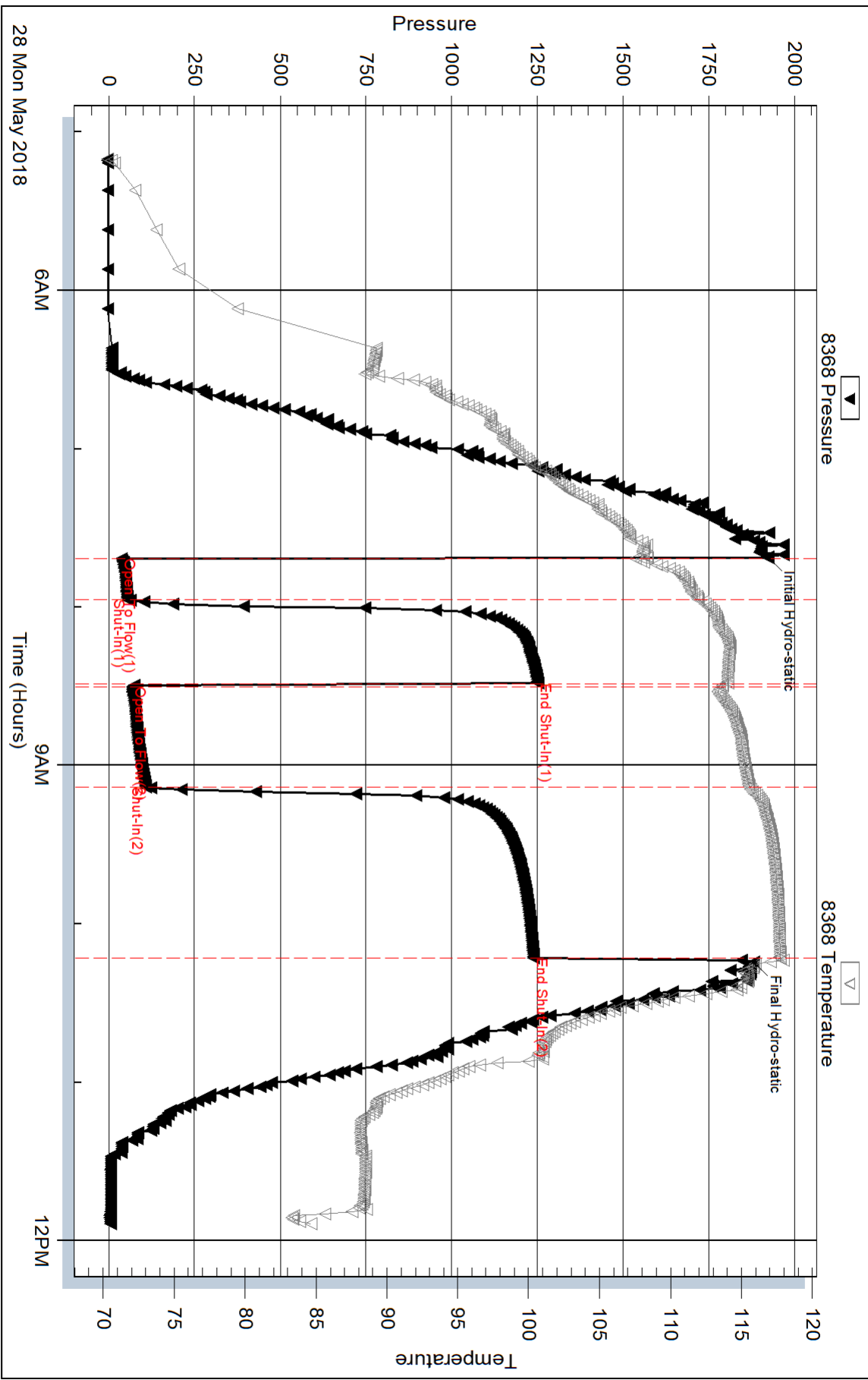
Serial #:

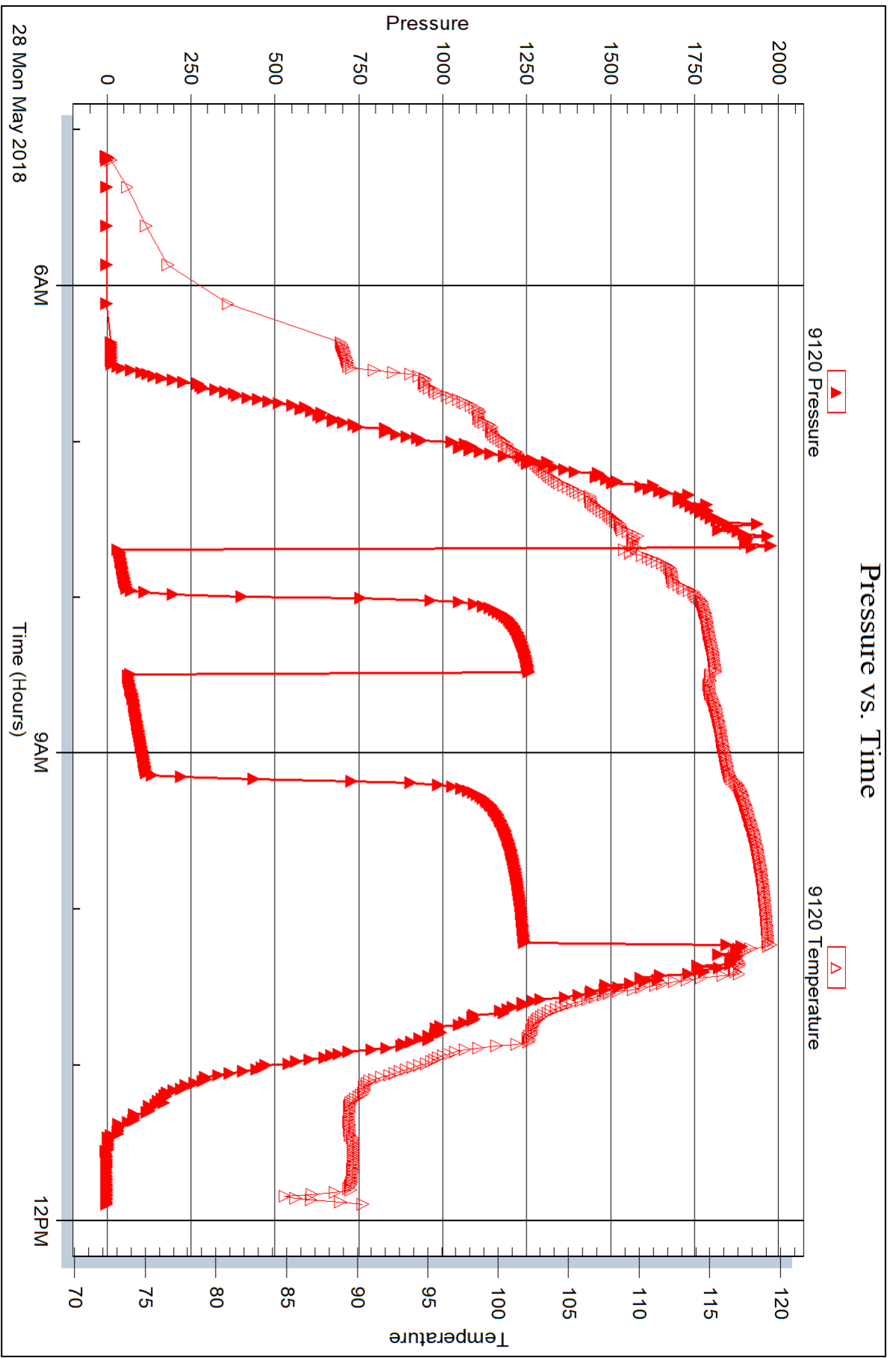
Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc.**

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

WP Unit #6-7

7-14S-25W Trego,KS

Start Date: 2018.05.31 @ 00:57:00

End Date: 2018.05.31 @ 07:03:15

Job Ticket #: 63907 DST #: 2

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

Printed: 2018.06.04 @ 09:37:41



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

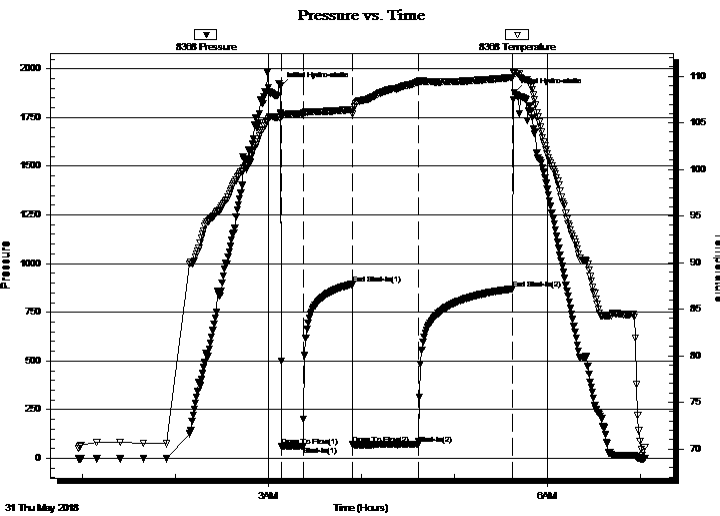
7-14S-25W Trego,KS
WP Unit #6-7
 Job Ticket: 63907 **DST#: 2**
 Test Start: 2018.05.31 @ 00:57:00

GENERAL INFORMATION:

Formation: **LKC 'J'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:08:30
 Time Test Ended: 07:03:15
 Interval: **3926.00 ft (KB) To 3960.00 ft (KB) (TVD)**
 Total Depth: 3960.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition:
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J. Staab
 Unit No: 84
 Reference Elevations: 2458.00 ft (KB)
 2453.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8368 Inside
 Press@RunDepth: 72.13 psig @ 3927.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.05.31 End Date: 2018.05.31 Last Calib.: 2018.05.31
 Start Time: 00:57:15 End Time: 07:03:15 Time On Btm: 2018.05.31 @ 03:07:45
 Time Off Btm: 2018.05.31 @ 05:39:00

TEST COMMENT: 15-IF-Tool Slid 17"; Surge to 4"; Weak Blow ; Built to 4 1/2"
 30-ISI-No Return
 45-FF-Weak Blow ; Built to 2 1/2"
 60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1910.02	106.03	Initial Hydro-static
1	61.09	105.73	Open To Flow (1)
15	61.56	105.98	Shut-In(1)
47	893.59	106.44	End Shut-In(1)
47	71.55	105.94	Open To Flow (2)
89	72.13	109.38	Shut-In(2)
150	869.99	109.87	End Shut-In(2)
152	1877.42	110.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OSM 100%M	1.40

* 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.

7-14S-25W Trego,KS

PO Box 47
Great Bend KS 67530

WP Unit #6-7

Job Ticket: 63907

DST#: 2

ATTN: Brad Rine

Test Start: 2018.05.31 @ 00:57:00

Tool Information

Drill Pipe:	Length: 3891.00 ft	Diameter: 3.82 inches	Volume: 55.16 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 55.32 bbl</u>	Tool Chased 17.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3926.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3899.00	
Shut In Tool	5.00			3904.00	
Hydraulic tool	5.00			3909.00	
Jars	5.00			3914.00	
Safety Joint	3.00			3917.00	
Packer	5.00			3922.00	28.00 Bottom Of Top Packer
Packer	4.00			3926.00	
Stubb	1.00			3927.00	
Recorder	0.00	8368	Inside	3927.00	
Recorder	0.00	9120	Inside	3927.00	
Perforations	30.00			3957.00	
Bullnose	3.00			3960.00	34.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

7-14S-25W Trego,KS

PO Box 47
Great Bend KS 67530

WP Unit #6-7

Job Ticket: 63907

DST#: 2

ATTN: Brad Rine

Test Start: 2018.05.31 @ 00:57:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	OSM 100%M	1.405

Total Length: 120.00 ft

Total Volume: 1.405 bbl

Num Fluid Samples: 0

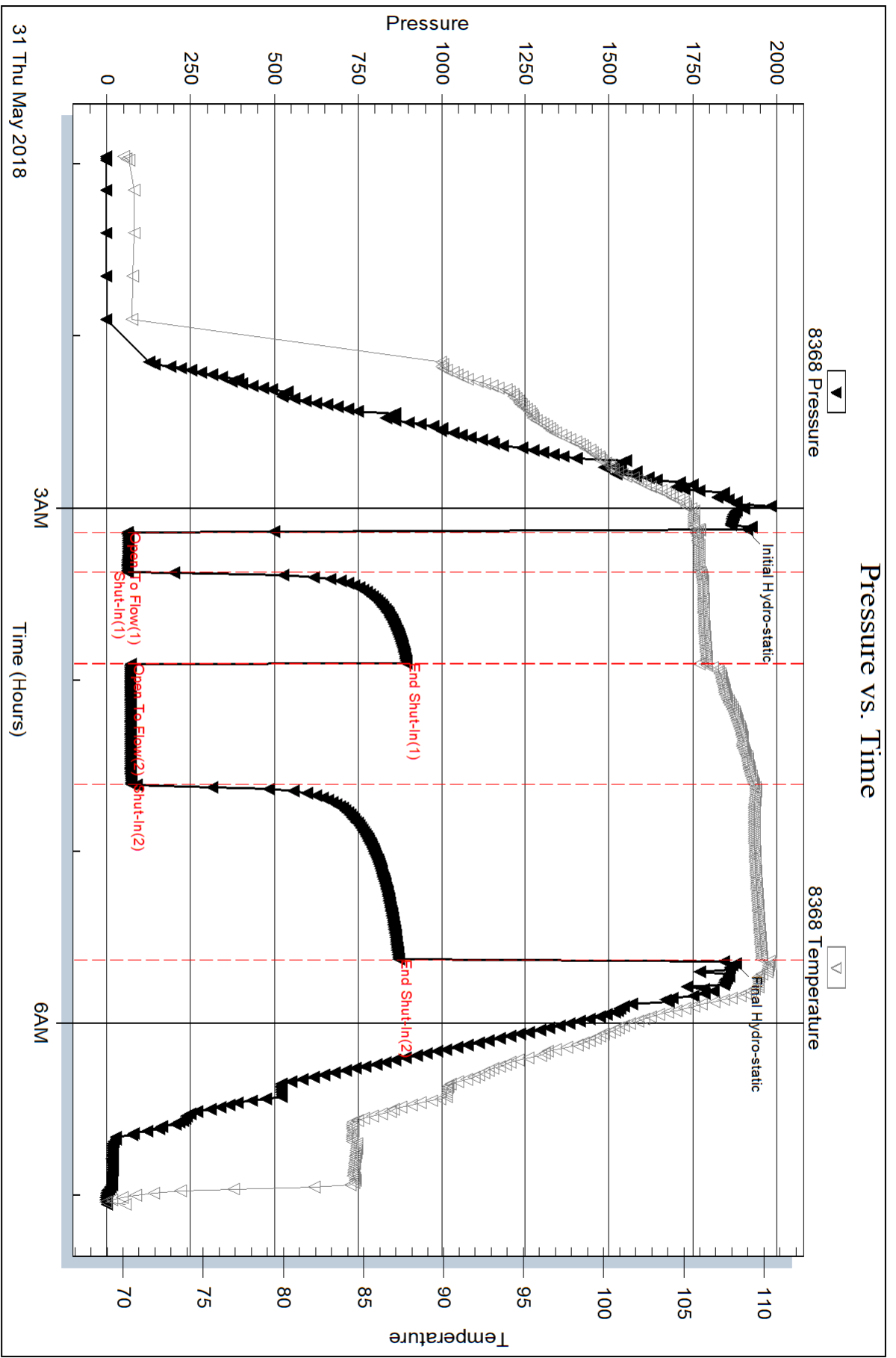
Num Gas Bombs: 0

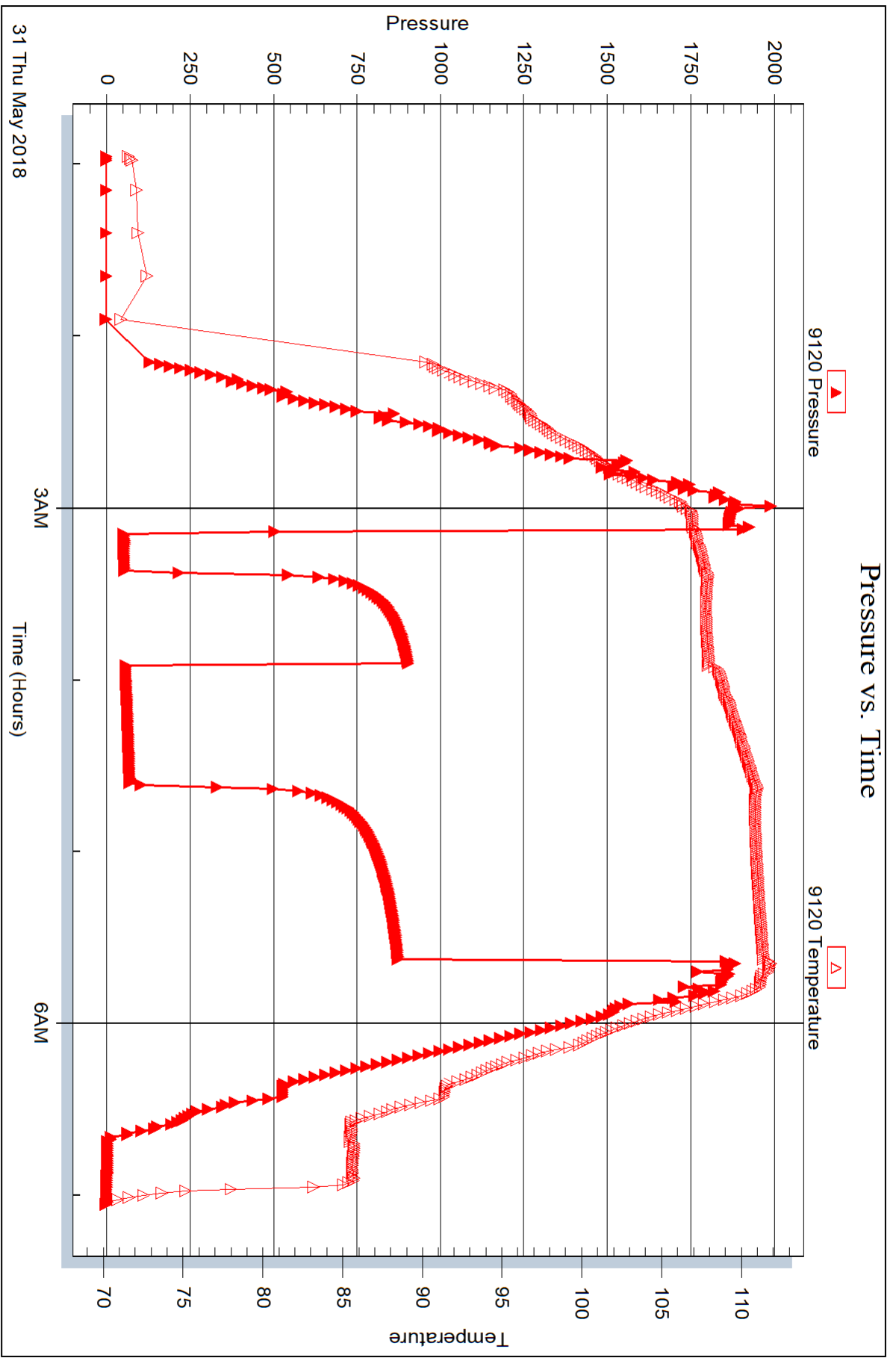
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM







DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc.**

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

WP Unit #6-7

7-14S-25W Trego,KS

Start Date: 2018.05.31 @ 13:29:00

End Date: 2018.05.31 @ 19:07:15

Job Ticket #: 63908 DST #: 3

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

Printed: 2018.06.04 @ 09:37:16

Carmen Schmitt, Inc. 7-14S-25W Trego,KS WP Unit #6-7 DST # 3 LKC:K 2018.05.31



**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 #6-7

Job Ticket: 63908

DST#: 3

Test Start: 2018.05.31 @ 13:29:00

GENERAL INFORMATION:

Formation: **LKC 'K'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:10:45
 Time Test Ended: 19:07:15
 Interval: **3973.00 ft (KB) To 3988.00 ft (KB) (TVD)**
 Total Depth: 3988.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J. Staab
 Unit No: 84
 Reference Elevations: 2458.00 ft (KB)
 2453.00 ft (CF)
 KB to GR/CF: 5.00 ft

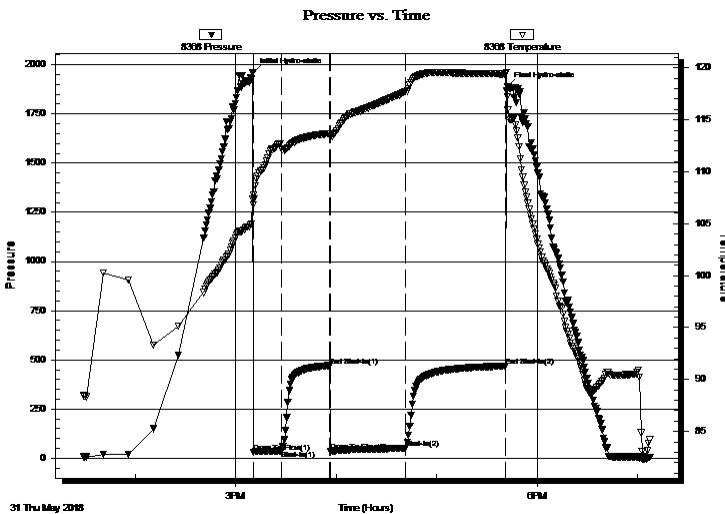
Serial #: 8368

Inside

Press@RunDepth: 51.51 psig @ 3974.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.05.31 End Date: 2018.05.31 Last Calib.: 2018.05.31
 Start Time: 13:29:15 End Time: 19:07:15 Time On Btm: 2018.05.31 @ 15:10:30
 Time Off Btm: 2018.05.31 @ 17:42:15

TEST COMMENT: 15-IF-Fair Blow ; BOB in 10 mins; Built to 16"
 30-ISI-No Return
 45-FF-Fair Blow ; BOB in 10 mins; Built to 46"
 60-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1960.10	107.74	Initial Hydro-static
1	30.80	106.80	Open To Flow (1)
17	38.19	112.22	Shut-In(1)
46	470.21	113.67	End Shut-In(1)
47	36.13	113.45	Open To Flow (2)
91	51.51	117.74	Shut-In(2)
151	468.40	119.41	End Shut-In(2)
152	1886.61	117.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	GHMCO 30%G 30%M 40%O	0.15
90.00	GO 30%G 70%O	1.26
0.00	800' GIP 100%G	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.

7-14S-25W Trego, KS

PO Box 47
Great Bend KS 67530

WP Unit #6-7

Job Ticket: 63908

DST#: 3

ATTN: Brad Rine

Test Start: 2018.05.31 @ 13:29:00

Tool Information

Drill Pipe:	Length: 3923.00 ft	Diameter: 3.82 inches	Volume: 55.61 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 55.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3973.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3946.00	
Shut In Tool	5.00			3951.00	
Hydraulic tool	5.00			3956.00	
Jars	5.00			3961.00	
Safety Joint	3.00			3964.00	
Packer	5.00			3969.00	28.00 Bottom Of Top Packer
Packer	4.00			3973.00	
Stubb	1.00			3974.00	
Recorder	0.00	8368	Inside	3974.00	
Recorder	0.00	9120	Outside	3974.00	
Perforations	11.00			3985.00	
Bullnose	3.00			3988.00	15.00 Bottom Packers & Anchor

Total Tool Length: 43.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

7-14S-25W Trego, KS

PO Box 47
Great Bend KS 67530

WP Unit #6-7

Job Ticket: 63908

DST#: 3

ATTN: Brad Rine

Test Start: 2018.05.31 @ 13:29:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 34000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	GHMCO 30%G 30%M 40%O	0.148
90.00	GO 30%G 70%O	1.257
0.00	800' GIP 100%G	0.000

Total Length: 120.00 ft

Total Volume: 1.405 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

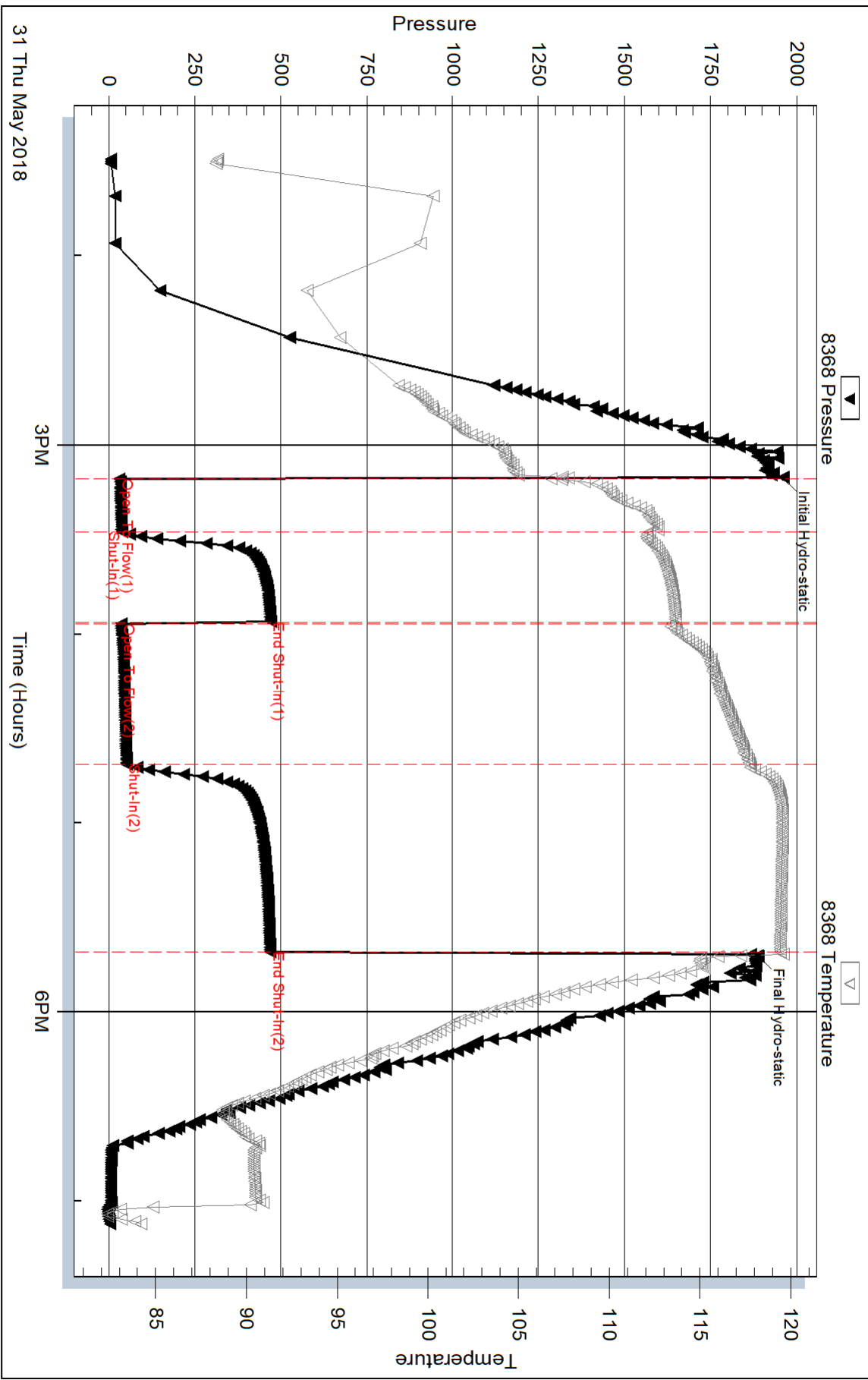
Serial #:

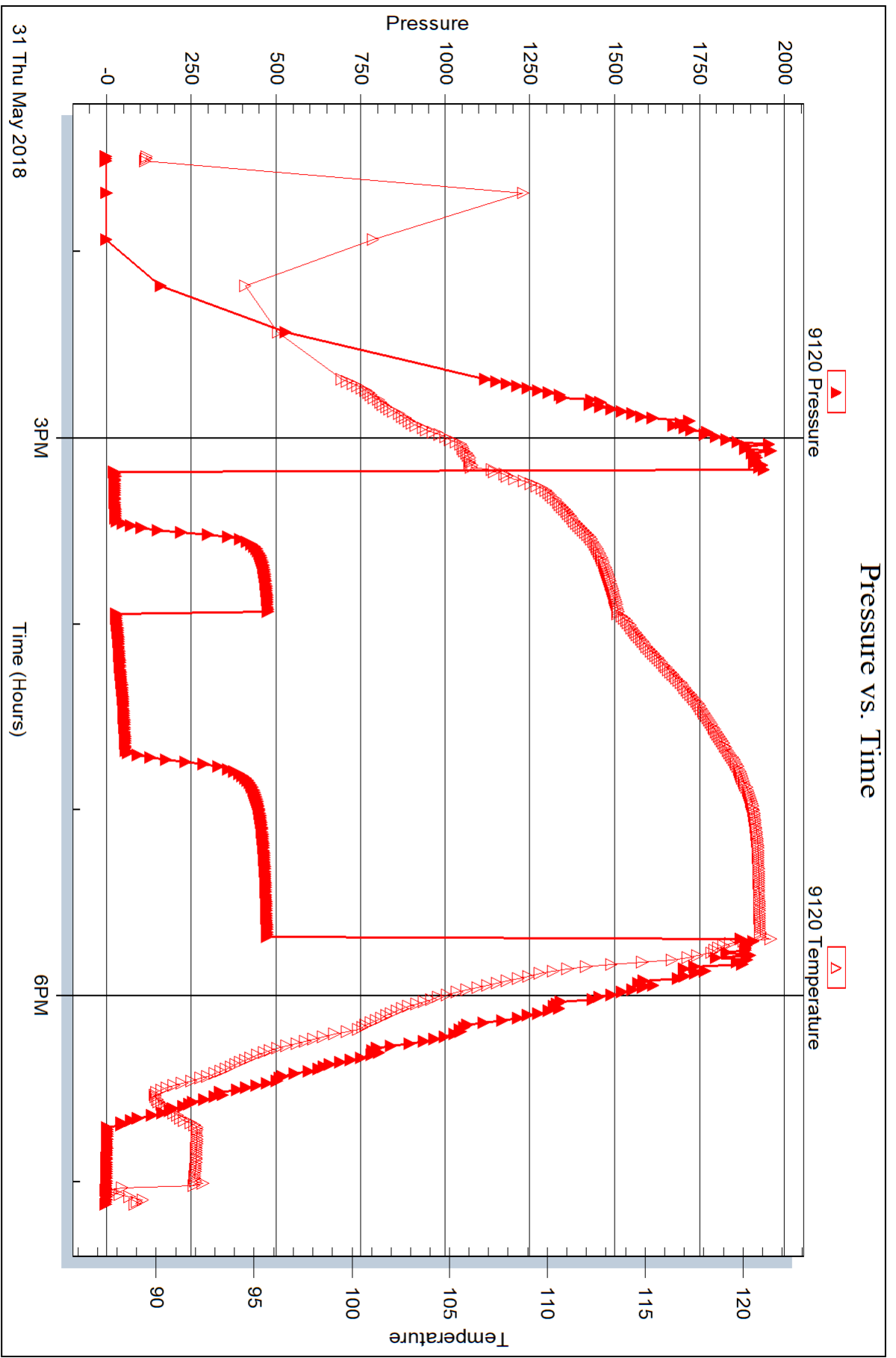
Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc.**

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

WP Unit #6-7

7-14S-25W Trego,KS

Start Date: 2018.06.01 @ 02:18:00

End Date: 2018.06.01 @ 08:08:45

Job Ticket #: 63909 DST #: 4

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

Printed: 2018.06.04 @ 09:36:46



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 #6-7

Job Ticket: 63909

DST#: 4

Test Start: 2018.06.01 @ 02:18:00

GENERAL INFORMATION:

Formation: **LKC 'L'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:10:00
 Time Test Ended: 08:08:45
 Interval: **3993.00 ft (KB) To 4025.00 ft (KB) (TVD)**
 Total Depth: 4025.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J. Staab
 Unit No: 84
 Reference Elevations: 2458.00 ft (KB)
 2453.00 ft (CF)
 KB to GR/CF: 5.00 ft

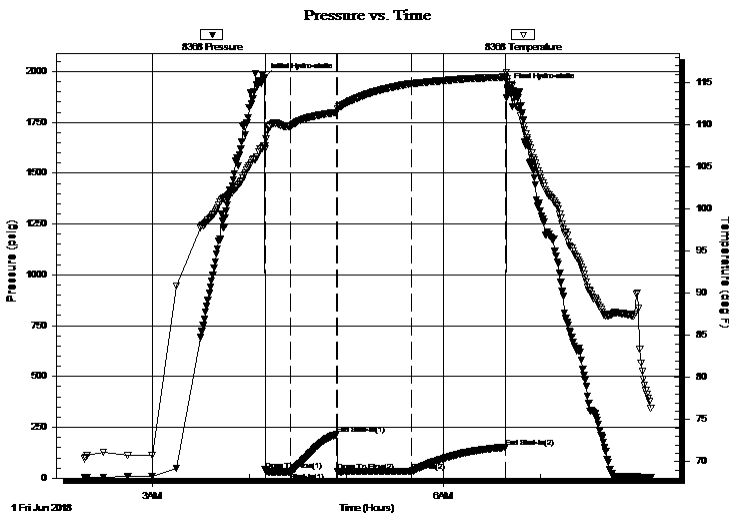
Serial #: 8368

Inside

Press@RunDepth: 34.92 psig @ 3994.00 ft (KB)
 Start Date: 2018.06.01 End Date: 2018.06.01
 Start Time: 02:18:15 End Time: 08:08:45
 Capacity: 8000.00 psig
 Last Calib.: 2018.06.01
 Time On Btm: 2018.06.01 @ 04:09:30
 Time Off Btm: 2018.06.01 @ 06:39:30

TEST COMMENT: 15-IF-Weak Blow ; Built to 8"
 30-ISI-No Return
 45-FF-Fair Blow ; BOB in 20 mins; Built to 20"
 60-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1969.42	107.57	Initial Hydro-static
1	37.15	107.53	Open To Flow (1)
16	31.02	109.86	Shut-In(1)
45	214.46	111.49	End Shut-In(1)
46	31.42	111.91	Open To Flow (2)
91	34.92	114.90	Shut-In(2)
149	152.13	115.68	End Shut-In(2)
150	1921.27	115.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	MO 40%M 60%O	0.20
10.00	MCO 10%M 90%O	0.14
0.00	300'GIP 100%G	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.

7-14S-25W Trego, KS

PO Box 47
Great Bend KS 67530

WP Unit #6-7

Job Ticket: 63909

DST#: 4

ATTN: Brad Rine

Test Start: 2018.06.01 @ 02:18:00

Tool Information

Drill Pipe:	Length: 3956.00 ft	Diameter: 3.82 inches	Volume: 56.08 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 56.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3993.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	60.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3966.00	
Shut In Tool	5.00			3971.00	
Hydraulic tool	5.00			3976.00	
Jars	5.00			3981.00	
Safety Joint	3.00			3984.00	
Packer	5.00			3989.00	28.00 Bottom Of Top Packer
Packer	4.00			3993.00	
Stubb	1.00			3994.00	
Recorder	0.00	8368	Inside	3994.00	
Recorder	0.00	9120	Outside	3994.00	
Change Over Sub	28.00			4022.00	
Bullnose	3.00			4025.00	32.00 Bottom Packers & Anchor

Total Tool Length: 60.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

7-14S-25W Trego, KS

PO Box 47
Great Bend KS 67530

WP Unit #6-7

Job Ticket: 63909

DST#: 4

ATTN: Brad Rine

Test Start: 2018.06.01 @ 02:18:00

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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
35.00	MO 40%M 60%O	0.200
10.00	MCO 10%M 90%O	0.142
0.00	300'GIP 100%G	0.000

Total Length: 45.00 ft

Total Volume: 0.342 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

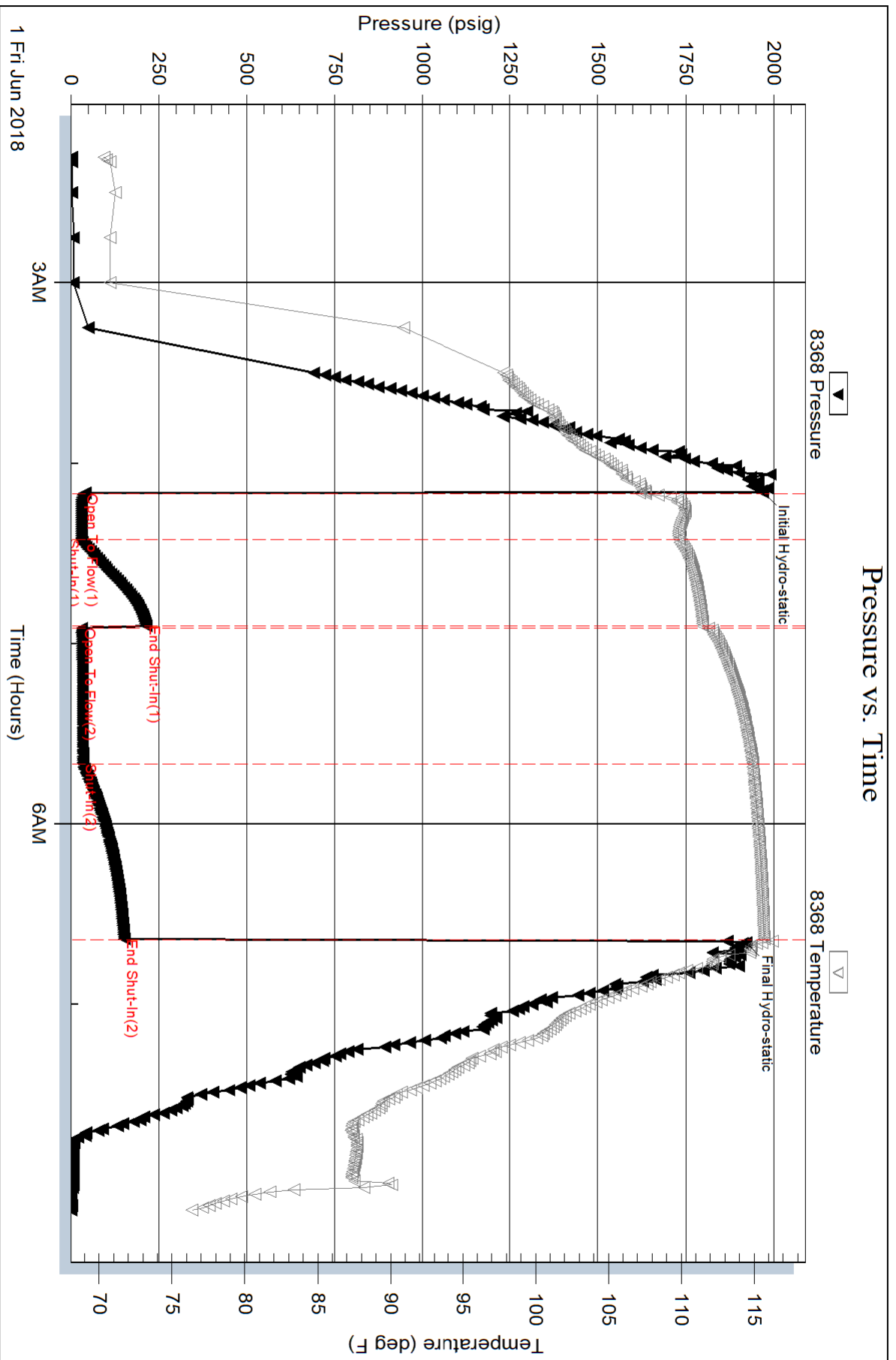
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM

Pressure vs. Time





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63906

Well Name & No. WP Unit #6-7 Test No. 1 Date 05/28/2018
 Company Carmen Schmitt, Inc Elevation 2458 KB 2453 GL
 Address PO BOX 47 Great Bend Ks 67530 +0047
 Co. Rep / Geo. Brad Rine Rig Murphy #16
 Location: Sec. 7 Twp 14s Rge. 25w Co. Trego State Ks

Interval Tested 3870' - 3915' Zone Tested LRC "A"
 Anchor Length 45' Drill Pipe Run 3828' Mud Wt. 8.6
 Top Packer Depth 3865' Drill Collars Run 32 Vis 60
 Bottom Packer Depth 3870' Wt. Pipe Run 8 WL 6.0
 Total Depth 3915 Chlorides 1,400 ppm System LCM 2#

Blow Description 17- Fair Blow; BOB in 12 mins; Built to 12"
15D- Wash Blow; Built to 5"
77- Fair Blow; BOB in 10 mins; Built to 46"
75D Fair Blow; Built to Bottom in 43 mins; Built to 12"

Rec	Feet of	%gas	%oil	%water	%mud
<u>130'</u>	<u>MO</u>	<u>50</u>		<u>50</u>	
<u>120'</u>	<u>CEO</u>	<u>20</u>	<u>80</u>		
<u>700'</u>	<u>JHP</u>	<u>100</u>			

Rec Total 250' BHT _____ Gravity 36° API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1923 Test 1050 T-On Location 04:45
 (B) First Initial Flow 38 Jars 250 T-Started 05:10
 (C) First Final Flow 55 Safety Joint 75 T-Open 07:40
 (D) Initial Shut-In 1252 Circ Sub _____ T-Pulled 10:10
 (E) Second Initial Flow 68 Hourly Standby _____ T-Out 11:54
 (F) Second Final Flow 107 Mileage 126R7 126 Comments _____
 (G) Final Shut-In 1240 Sampler _____
 (H) Final Hydrostatic 1842 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 1751
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1751

Approved By _____ Our Representative Spencer J. Gaal Thanks!
 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.

785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63907

Well Name & No. WP Unit #6-7 Test No. 2 Date 05/30/2018
 Company Carmen Schmitt, Inc. Elevation 2458 KB 2453 GL
 Address PO BOX 47 Great Bend KS 67530 +0047
 Co. Rep / Geo. Brad Rine Rig Murkin #16
 Location: Sec. 7 Twp 14s Rge. 25w Co. Trego State KS

Interval Tested 3926' - 3960' Zone Tested LAC J'
 Anchor Length 34' Drill Pipe Run 3891' Mud Wt. 8.9
 Top Packer Depth 3921' Drill Collars Run 32' Vis 59
 Bottom Packer Depth 3926' Wt. Pipe Run - WL 6.0
 Total Depth 3960' Chlorides 3400 ppm System LCM 1#

Blow Description 17-Weak Blow; Built to 4 1/2"; Tool slid 17' or open
1st No Return
77-Weak Blow; Built to 2 1/2"
7st No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>120'</u>	<u>OSM</u>			<u>100</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 120' BHT 109° Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>1910</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>23:30</u>
(B) First Initial Flow <u>61</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>00:57 05/31/2018</u>
(C) First Final Flow <u>61</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>03:06</u>
(D) Initial Shut-In <u>893</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>05:36</u>
(E) Second Initial Flow <u>71</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>07:02</u>
(F) Second Final Flow <u>72</u>	<input checked="" type="checkbox"/> Mileage <u>252 RT</u>	Comments <u>Rained out 5/28pm</u>
(G) Final Shut-In <u>869</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1877</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> Ruined Shale Packer <u>350</u>
Initial Open <u>15</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>350</u>
Final Shut-In <u>60</u>	<input checked="" type="checkbox"/> Day Standby	Total <u>2227</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1877</u>	

Approved By _____

Our Representative Spencer J. Neal Thanks!

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.

785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63908

Well Name & No. WP Unit # 6-7 Test No. 3 Date 05/31/2015
 Company Carmen Schmitt, Inc Elevation 2453 KB 2453 GL
 Address PO BOX 47 Great Bend Ks 67530 +0047
 Co. Rep / Geo. Brad Rine Rig Murfin #16
 Location: Sec. 7 Twp 14s Rge. 25w Co. Trego State Ks

Interval Tested 3973-3988 Zone Tested JMC "K"
 Anchor Length 15' Drill Pipe Run 3923' Mud Wt. 8.9
 Top Packer Depth 3968' Drill Collars Run 32' Vis 59
 Bottom Packer Depth 3973' Wt. Pipe Run - WL 6.0
 Total Depth 3988' Chlorides 3400 ppm System LCM 1#

Blow Description 17- Fair Blow, BOB in 10 min; Built to 16"
ISO- No Return
77- Fair Blow, BOB in 10 mins; Built to 46"
758- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>30'</u>	<u>JHMCB</u>	<u>30</u>	<u>40</u>	<u>30</u>	<u>0</u>
<u>90'</u>	<u>90</u>	<u>30</u>	<u>70</u>	<u>0</u>	<u>0</u>
<u>800'</u>	<u>JHP</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Rec Total 120' BHT 119° Gravity 39° API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>1960</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>13:12</u>
(B) First Initial Flow <u>30</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>13:29</u>
(C) First Final Flow <u>38</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>15:10</u>
(D) Initial Shut-In <u>470</u>	<input type="checkbox"/> Circ Sub <u> </u>	T-Pulled <u>17:40</u>
(E) Second Initial Flow <u>36</u>	<input type="checkbox"/> Hourly Standby <u> </u>	T-Out <u>19:06</u>
(F) Second Final Flow <u>51</u>	<input checked="" type="checkbox"/> Mileage <u>126R7</u> <u>126</u>	Comments <u> </u>
(G) Final Shut-In <u>468</u>	<input type="checkbox"/> Sampler <u> </u>	<u> </u>
(H) Final Hydrostatic <u>1886</u>	<input type="checkbox"/> Straddle <u> </u>	<input type="checkbox"/> Ruined Shale Packer <u> </u>

Initial Open <u>15</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer <u> </u>
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer <u> </u>	<input type="checkbox"/> Extra Copies <u> </u>
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder <u> </u>	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby <u> </u>	Total <u>1751</u>
	<input type="checkbox"/> Accessibility <u> </u>	MP/DST Disc't <u> </u>
	Sub Total <u>1751</u>	

Approved By _____ Our Representative Spencer J. Stahl Thanks!

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.

785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63909

Well Name & No. WP Unit # 6-7 Test No. 4 Date 06/01/2018
 Company Carmen Schmitt, Inc Elevation 2458 KB 2453 GL
 Address PO BOX 47 Great Bend Ks 67530+0047
 Co. Rep / Geo. Brad Rine Rig Murfin #16
 Location: Sec. 7 Twp 14s Rge. 25w Co. Trego State Ks

Interval Tested 3993' - 4025' Zone Tested LRC 'L'
 Anchor Length 32' Drill Pipe Run 3956' Mud Wt. 8.9
 Top Packer Depth 3988' Drill Collars Run 32' Vis 59
 Bottom Packer Depth 3993' Wt. Pipe Run - WL 60
 Total Depth 4025' Chlorides 3400 ppm System LCM 1#

Blow Description 07- Weak Blow, Built to 8"
55- No Return
77- Fair Blow, BOB in 20 mins; Built to 20"
75- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>35'</u>	<u>MCO</u>	<u>60</u>		<u>40</u>	
<u>10'</u>	<u>MCO</u>	<u>90</u>		<u>10</u>	
	<u>300' LOP</u>	<u>100</u>			
Rec Total	<u>45'</u>	BHT	Gravity <u>35°</u>	API RW <u>-</u>	@ <u>-</u> °F Chlorides <u>-</u> ppm

(A) Initial Hydrostatic 1969 Test 1150 T-On Location 02:12
 (B) First Initial Flow 37 Jars 250 T-Started 02:18
 (C) First Final Flow 31 Safety Joint 75 T-Open 04:10
 (D) Initial Shut-In 214 Circ Sub - T-Pulled 06:40
 (E) Second Initial Flow 31 Hourly Standby - T-Out 08:10
 (F) Second Final Flow 34 Mileage 126R7 X 2 252 Comments loaded tools @ 19:00 06/01/2018
 (G) Final Shut-In 152 Sampler -
 (H) Final Hydrostatic 1921 Straddle -
 Shale Packer 250
 Extra Packer -
 Extra Recorder -
 Day Standby -
 Accessibility -
 Sub Total 1977

Initial Open 15
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 60

Ruined Shale Packer -
 Ruined Packer -
 Extra Copies -
 Sub Total 0
 Total 1977
 MP/DST Disc't -

Approved By _____ Our Representative Spencer J. Stahl Thanks!

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.

785-259-0056



M. Bradford Rine

Consulting Geologist

Licensed/Certified: Kansas, Wyoming, AAPG/DPA, SIPES

Phone: (316) 250-5941

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

Well Name: WP Unit #6-7 - Carmen Schmitt, Inc.
API: 15-195-23054-00-00
Location: SE-SW-NW-SW, Section 07-14S-25W
License Number: KCC #6569
Spud Date: May 24, 2018
Surface Coordinates: 1550' FSL & 550' FWL,
of Section
Bottom Hole Vertical Wellbore Coordinates:
Ground Elevation (ft): 2453 Ft. **K.B. Elevation (ft):** 2458 Ft.
Logged Interval (ft): 3400 Ft. **To:** 4360 Ft. **Total Depth (ft):** RTD 4360 Ft. LTD 4361 Ft.
Formation: Mississippian at Total Depth
Type of Drilling Fluid: Chemical

Region: Trego County, Kansas
Drilling Completed: June 02, 2018
Results: Production Casing Set
Field: Unnamed

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

Operator

Company: Carmen Schmitt, inc.
Address: PO Bos 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 #6-7", on June 02, 2018.

Respectfully submitted,
M. Bradford Rine, geologist

Carmen Schmitt, Inc.
"WP Unit #6-7"
Section 07-14S-25W, Trego County, Kansas



Drilling Information

Rig: Murfing Drilling, Rig 16

Pump: Emsco D-375 6x14

Drawworks: Cardwell Royale

Collars: 489' 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 (Spencer Staab)

Logs: Pioneer (C. Pfeifer)

Water: Harvey Irrigation Well (Walker Tank)

Company Representatives:

Office: Carmen Schmitt

Field: Curtis Hitchmann

Daily Drilling Status

Date: Operations/Depth/Comments
 05-24-18 MIRT, RU, Spud @ 0'
 05-25-18 Drilling @ 550'
 05-26-18 Drilling @ 2470'
 05-27-18 Drilling @ 3340'
 05-28-18 Trip In Hole for DST #1 @ 3915'
 05-29-18 Shut Down Due to Weather @ 3960'
 05-30-18 Shut Down Due to Weather@ 3960',
 Plan to Resume Activities PM
 05-31-18 Trip Out of Hole With DST #2 @ 3960'
 06-01-18 Trip Out of Hole With DST #4 @ 4025'
 06-02-18 Circulate to Condition Hole @ 4360'
 06-03-18 Rig Released at 2:45 AM

	Results: Oil			(Well A) Oil		(Well B) Oil			
	Carmen Schmitt, Inc.			Carmen Schmitt, Inc.		Carmen Schmitt, Inc.			
	WP Unit #6-7			WP Unit #3-7		WP Unit #4-7			
	1550'FSL & 550'FWL			1750'FNL & 1575'FWL		775'FSL & 1575'FWL			
	Sec. 7-14S-25W			Sec. 7-14S-25W		Sec. 7-14S-25W			
	2458	KB		2434	KB	2435	KB	Well A	Well B
Formations	Sample	E-Log	Datum	E-Log	Datum	E-Log	Datum	Comparison(s)	
Anhydrite	1911	1910	548	1884	550	1888	547	-2	1
B/Anhydrite	1948	1947	511	1922	512	1926	509	-1	2
Tarkio	3304	3303	-845	3273	-839	3280	-845	-6	0
Heebner Sh.	3693	3693	-1235	3661	-1227	3668	-1233	-8	-2
Toronto	3713	3712	-1254	3680	-1246	3688	-1253	-8	-1
Lansing	3733	3732	-1274	3700	-1266	3708	-1273	-8	-1
Muncie Creek Sh.	3876	3877	-1419	3843	-1409	3852	-1417	-10	-2
Stark Sh.	3961	3959	-1501	3923	-1489	3934	-1499	-12	-2
B/Kansas City	4018	4014	-1556	3980	-1546	3988	-1553	-10	-3
Marmaton	4058	4057	-1599	4020	-1586	4034	-1599	-13	0
Altamont	4084	4081	-1623	4045	-1611	4056	-1621	-12	-2
Pawnee	4162	4162	-1704	4125	-1691	4136	-1701	-13	-3
Ft. Scott	4227	4224	-1766	4188	-1754	4198	-1763	-12	-3
Cherokee Sh.	4250	4249	-1791	4212	-1778	4221	-1786	-13	-5
Mississippian	4318	4317	-1859	4275	-1841	4279	-1844	-18	-15
Total Depth	4360	4361	-1903	4358	-1924	4360	-1925	21	22

Casing Record, Bit Record, Deviation Surveys, Pipe Straps

CASING:

Conductor: None

Surface: Ran 5 jts 8-5/8" 23# Surface Casing, Set @ 216'. (Copeland) Cement with 175 sx 60/40 POZ, 3% gel 2% CC. Plug down at 6:00 pm, 05-24-18. Cement did circulate.

Production: Ran 99 jts, new 5-1/2" 14# casing, set @ 4155 ft. Plugged RH with 30sx and MH with 20sx. (Swift) Cement with 400sx SMD at 11.2 ppg followed with 150sx EEA2 at 15.5 ppg. Dropped plug and displaced with 100.3 bbls. Circulated 25sx cement to pit. Landed plug with 1750 psi. Job complete at 10:45 pm.

BITS:

No.	Size	Make	Model	Depth In	Depth Out	Hours
1	12-1/4	Reed	TCHCP	0	218	3.25
2	7-7/8	HTC	GX20C	218	3915	63.25
3	7-7/8	HTC	GX20C	3915	4360	21.75

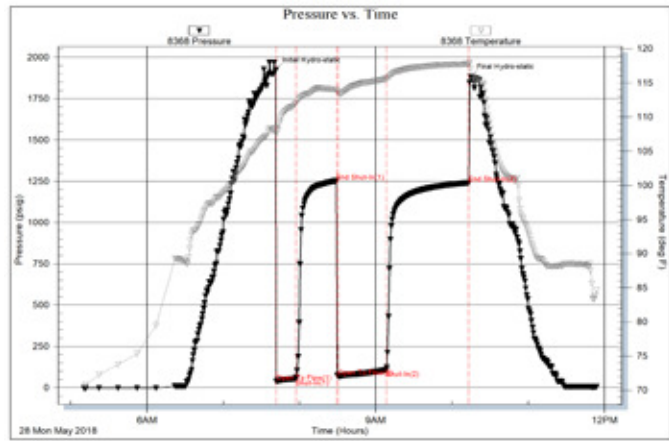
DEVIATION SURVEYS:

Deviation:	Depth:	Deviation:	Depth:
0.25*	218'	0.75*	4360'
0.50*	3915'		

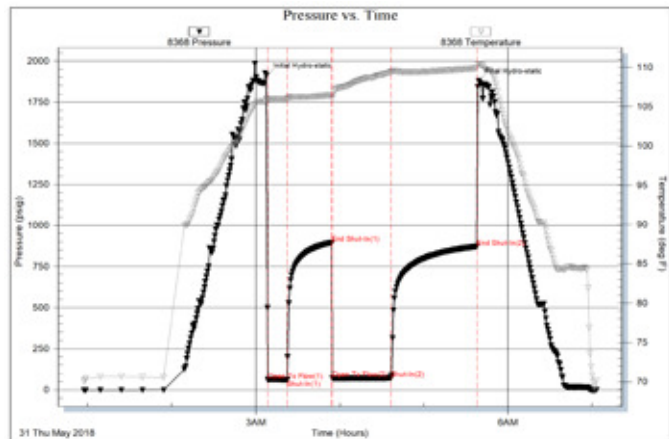
PIPE STRAPS:

Difference:	Depth:
0.60'	3960'

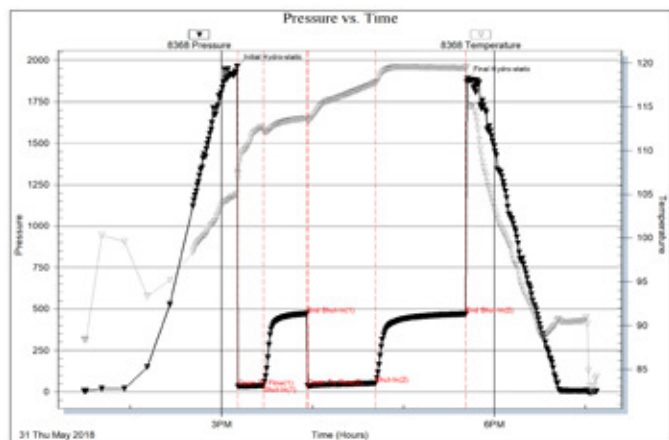
DST #1: 3870-3915 (LKC H)
Initial Open: Stg Blow, b.o.b. 12 min,
Return blow built to 5"
Final Open: Stg Blow, b.o.b. 10 min,
Return blow built to b.o.b. 43 min
Rec: 700' gas in pipe, 250' Total Fluid
130' HMCO: 50%o 50%m
120' GCO: 20%g 80%o
(Oil 36* API)
IHP: 1923 FHP: 1882
IFP: 38-55 FFP: 68-107
ISIP: 1252 FSIP: 1240
BHT: 117°F



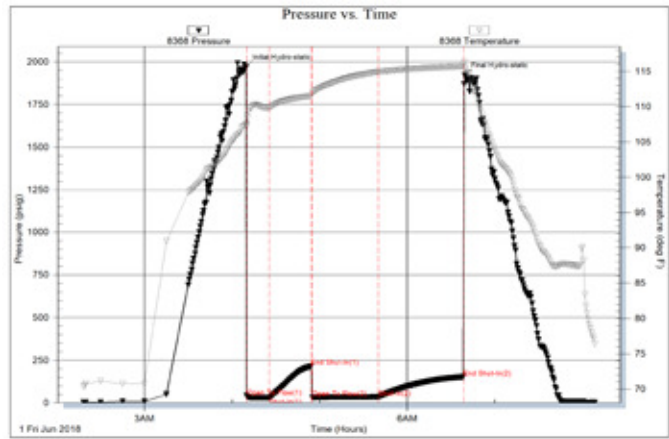
DST #2: 3926-3960 (LKC J)
Initial Open: Wk Blow, built to 4-1/2"
Final Open: Wk Blow, built to 2-1/2"
Rec: 120' Oil Spotted Mud
IHP: 1910 FHP: 1877
IFP: 61-61 FFP: 71-72
ISIP: 893 FSIP: 869
BHT: 109°F









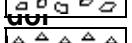

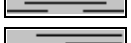
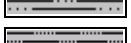

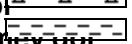

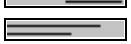
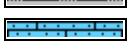
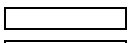
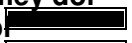



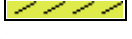
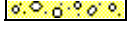
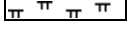





DST #3: 3973-3988 (LKC K)
Initial Open: Stg Blow, b.o.b. 10 min,
Return Blow, Wk surface
Final Open: Stg Blow, b.o.b. 10 min,
No Return Blow
Rec: 800' gas in pipe, 120' Total Fluid
30' GMCO: 30%g 30%m 40%o
90' GCO: 30%g 70%o
IHP: 1960 FHP: 1886
IFP: 30-38 FFP: 36-51
ISIP: 470 FSIP: 468
BHT: 119°F



















DST #4: 3993-4025 (LKC L)
Initial Open: Fr Blow, Built to 8",
No Return Blow
Final Open: Stg Blow, b.o.b. 20 min,
No Return Blow
Rec: 300' gas in pipe, 45' Total Fluid
35' MCO: 60%o 40%m
10' MCO: 90%o 10%m
IHP: 1969 FHP: 1921
IFP: 37-31 FFP: 31-34
ISIP: 214 FSIP: 152
BHT: 115°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		Mrlst		Ss		

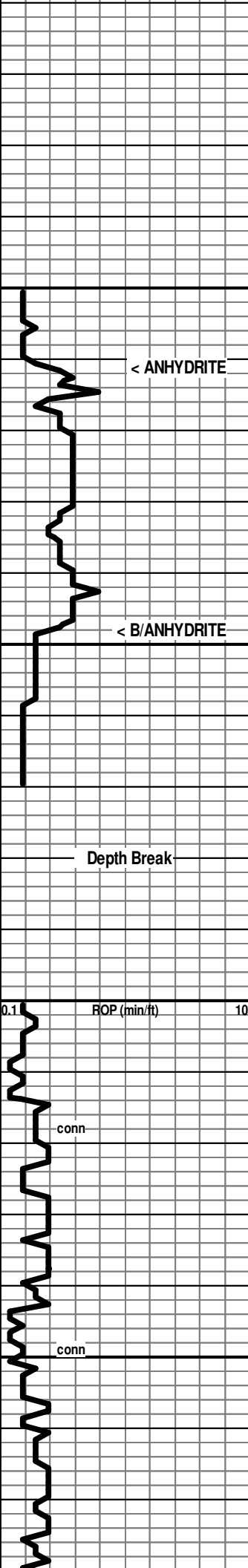
Accessories

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

Other Symbols

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

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



1900

< ANHYDRITE

< B/ANHYDRITE

Depth Break

xxxxxxx

3400

ROP (min/ft)

conn

3450

conn



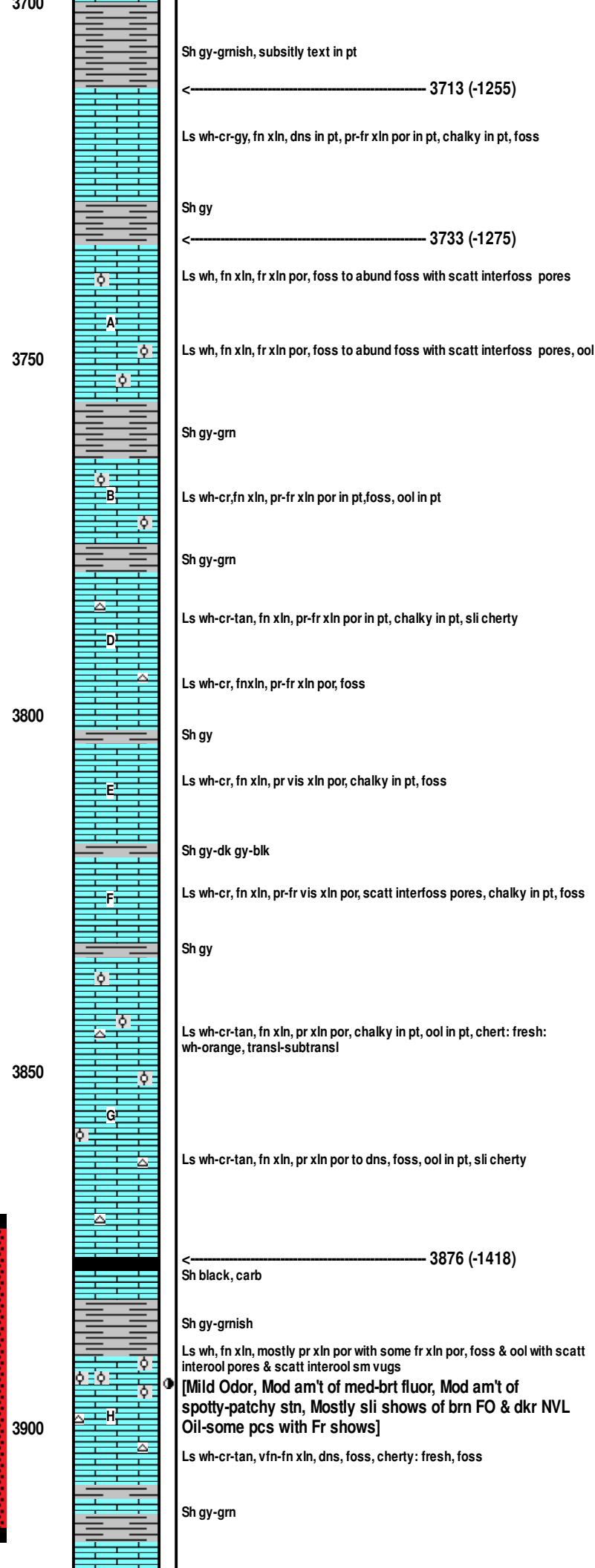
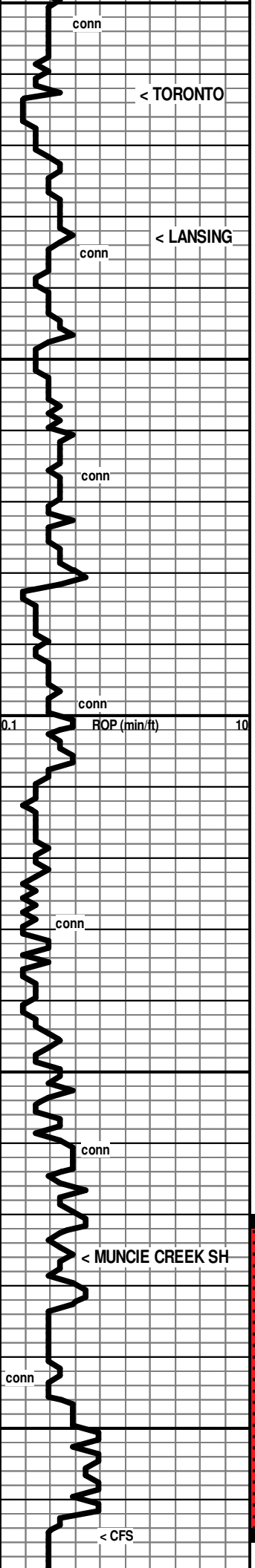
1911 (+547)

Anhydrite Interval based on drill time only!

1948 (+510)

* Displace & Mudup @
3253 ft!

Mud Check Drlg @ 3394':
 Vis Wt WL LCM PV YP
 60+ 8.8 6.0 2 18 39
 Chl Hd pH Solids
 1400 Nil 11.5 2.1



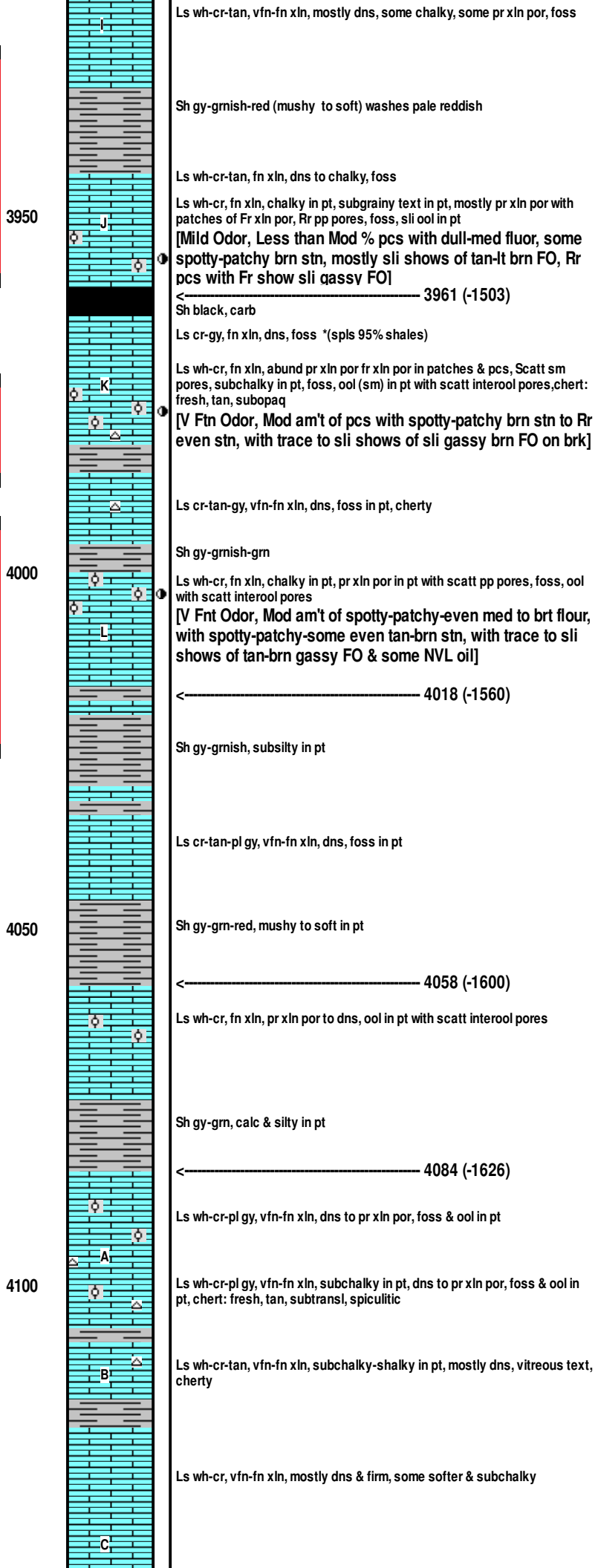
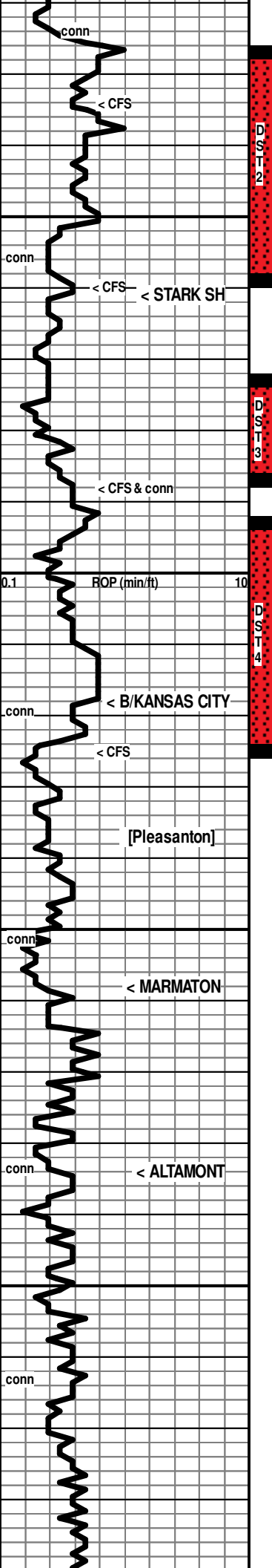
Sh gy-gmish, subsitly text in pt
 <----- 3713 (-1255)
 Ls wh-cr-gy, fn xln, dns in pt, pr-fr xln por in pt, chalky in pt, foss
 Sh gy
 <----- 3733 (-1275)
 Ls wh, fn xln, fr xln por, foss to abund foss with scatt interfoss pores
 Ls wh, fn xln, fr xln por, foss to abund foss with scatt interfoss pores, ool
 Sh gy-gm
 Ls wh-cr,fn xln, pr-fr xln por in pt,foss, ool in pt
 Sh gy-gm
 Ls wh-cr-tan, fn xln, pr-fr xln por in pt, chalky in pt, sli cherty
 Ls wh-cr, fnxn, pr-fr xln por, foss
 Sh gy
 Ls wh-cr, fn xln, pr vis xln por, chalky in pt, foss
 Sh gy-dk gy-blk
 Ls wh-cr, fn xln, pr-fr vis xln por, scatt interfoss pores, chalky in pt, foss
 Sh gy
 Ls wh-cr-tan, fn xln, pr xln por, chalky in pt, ool in pt, chert: fresh: wh-orange, transl-subtransl
 Ls wh-cr-tan, fn xln, pr xln por to dns, foss, ool in pt, sli cherty
 <----- 3876 (-1418)
 Sh black, carb
 Sh gy-gmish
 Ls wh, fn xln, mostly pr xln por with some fr xln por, foss & ool with scatt interool pores & scatt interool sm vugs
 [Mild Odor, Mod am't of med-brt fluor, Mod am't of spotty-patchy stn, Mostly sli shows of brn FO & dkr NVL Oil-some pcs with Fr shows]
 Ls wh-cr-tan, vfn-fn xln, dns, foss, cherty: fresh, foss
 Sh gy-gm

DST #1: 3870-3915 (LKC H)
 Initial Open: Stg Blow, b.o.b. 12 min,
 Return blow built to 5"
 Final Open: Stg Blow, b.o.b. 10 min,
 Return blow built to b.o.b. 43 min
 Rec: 700' gas in pipe, 250' Total Fluid
 130' HMCO: 50%o 50%
 120' GCO: 20%g 80%
 (Oil 36" API)
 IHP: 1923 FHP: 1882
 IFP: 38-55 FFP: 68-107
 ISIP: 1252 FSIP: 1240
 BHT: 117°F

Mud Check TIH/DST1 @ 3915':

Vis	Wt	WL	LCM	PV	YP
57	9.1	6.0	1	15	24
Chl	Hd	pH	Solids		
3400	Tr	11.0	5.6		

7:00 AM, May 28, 2018



DST #2: 3926-3960 (LKC J)
 Initial Open: Wk Blow, built to 4-1/2"
 Final Open: Wk Blow, built to 2-1/2"
 Rec: 120' Oil Spotted Mud
 IHP: 1910 FHP: 1877
 IFP: 61-61 FFP: 71-72
 ISIP: 893 FSIP: 869
 BHT: 109°F

Mud Check, CTCH @ 3960':
 Vis Wt WL LCM PV YP
 59 8.9 6.0 1 17 26
 Chl Hd pH Solids
 3400 Tr 11.0 4.2

7:00 AM, May 29, 2018
 7:00 AM, May 30, 2018
 7:00 AM, May 31, 2018

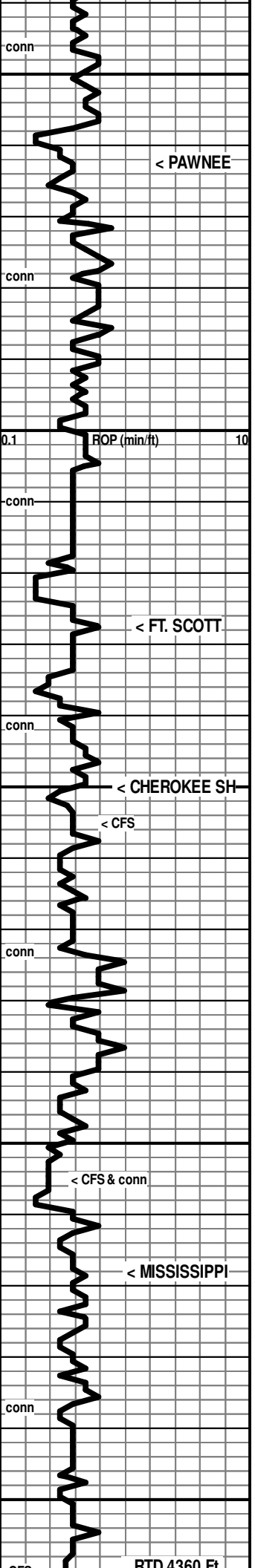
* Pipe Strap:
 0.60' Short to Board!

DST #3: 3973-3988 (LKC K)
 Initial Open: Stg Blow, b.o.b. 10 min,
 Return Blow, Wk surface
 Final Open: Stg Blow, b.o.b. 10 min,
 No Return Blow
 Rec: 800' gas in pipe, 120' Total Fluid
 30' GCMCO: 30%g 30%*m* 40%*o*
 90' GCO: 30%g 70%*o*
 IHP: 1960 FHP: 1886
 IFP: 30-38 FFP: 36-51
 ISIP: 470 FSIP: 468
 BHT: 119°F

Mud Check, TOOH/DST4 @ 4025':
 Vis Wt WL LCM PV YP
 60 9.0 6.0 1 17 29
 Chl Hd pH Solids
 3400 Tr 10.5 4.8

7:00 AM, June 01, 2018

DST #4: 3993-4025 (LKC L)
 Initial Open: Fr Blow, Built to 8",
 No Return Blow
 Final Open: Stg Blow, b.o.b. 20 min,
 No Return Blow
 Rec: 300' gas in pipe, 45' Total Fluid
 35' MCO: 60%*o* 40%*m*
 10' MCO: 90%*o* 10%*m*
 IHP: 1969 FHP: 1921
 IFP: 37-31 FFP: 31-34
 ISIP: 214 FSIP: 152
 BHT: 115°F



4150
4200
4250
4300
4350



Ls wh-cr, vfn-fn xln, mostly dns & firm, some softer & subchalky

Sh black, carb, to gy & grnish-grn in pt
← 4162 (-1704)

Ls wh-cr-tan-pl gy, vfn-fn xln, mostly dns & hard with some softer subchalky pcs

Ls cr-tan-pl gy, vfn xln, dns, scatt subchalky patches

Ls cr-tan-pl gy, vfn xln, dns, with mod am't of gy-dk gy shale in spls

Sh dk gy-black, abund carb
← 4227 (-1769)

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

Sh gy
Ls cr-tan-pl gy, vfn-fn xln, dns with scatt chalky patches, foss
○ [No Odor, Few pcs with patch of dull fluor with scant patchy lt stn, NSFO] *This show could repres Cke Ls?

← 4250 (-1792)
Sh black, carb
○ Ls cr-tan, fn xln, dns, foss in pt, chert: fresh, tan, subtr

Sh gy
○ Ls wh-cr-tan-gy, vfn-fn xln, mostly dns & hard, some softer & subchalky, Rr patches of prxln por, foss
○ [No Odor, No fluor, few pcs total with scant patch of stn, NSFO]

Sh gy-dk gy-black, mix of silty, argil, carb

Ls cr-tan, vfn-fn xln, dns, chert: fresh, gy, transl

Mix of: Shales gy-grn-red-yell, silty in pt, abund chert: fresh, tan-orange to yellow-peach, transl, spic in pt; some shaley siltstone

← 4318 (-1860)

Ls wh-cr, fn xln, dns, grainy text in pt, foss in pt, abund chert: fresh, wh-cr-tan-yell, opaq-subtransl, foss to v. foss

Ls wh-cr, fn xln, dns, grainy text in pt, foss in pt, abund chert: fresh, wh-cr-tan-yell, opaq-subtransl, foss to v. foss

Ls wh-cr, fn xln, dns, grainy text in pt, foss in pt, ool in pt, abund chert: fresh, wh-cr-tan-yell, opaq-subtransl, foss to v. foss to ool

Mud Check, CTCH after Short Trip @ 4360':

Vis	Wt	WL	LCM	PV	YP
60	9.4	6.0	1	17	33
Chl	Hd	pH	Solids		
3400	20	10.5	7.7		

