

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Carmen Schmitt, Inc.
Well Name	WP UNIT 1-7
Doc ID	1313458

All Electric Logs Run

Dual Induction Log
Dual Comp Porosity
Microresistivity
Bond Log

Form	ACO1 - Well Completion
Operator	Carmen Schmitt, Inc.
Well Name	WP UNIT 1-7
Doc ID	1313458

Tops

Name	Top	Datum
Anhydrite	1893	546
Heebner Sh.	3668	-1229
Toronto	3685	-1246
Lansing	3706	-1267
B/KC	3994	-1555
Marmaton	4036	-1597
Ft. Scott	4198	-1783
Cherokee	4222	-1783
Miss	4294	-1855

Form	ACO1 - Well Completion
Operator	Carmen Schmitt, Inc.
Well Name	WP UNIT 1-7
Doc ID	1313458

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3956-3960		3956-3960

COPELAND

Acid & Cement

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

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

Invoice

INVOICE NUMBER:
C43982-IN

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

LEASE: W.P. UNIT 1-7

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
06/14/2016	C43982		06/08/2016		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
1.00	EA	CEMENT 8 5/8" SURFACE PIPE (PRICE AS AGREED)		0.00	3,082.68	3,082.68
		<i>7/10/43</i> <i>19004.0107</i> <i>Well Aite</i> <i>Surface Cement</i>				
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060		COP		Net Invoice: 3,082.68		
		FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.		TRECO Sales Tax: 246.61		
RECEIVED BY		NET 30 DAYS		Invoice Total: <u>3,329.29</u>		

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

Copeland Acid & Cement is a subsidiary of Gressel Oil Field Service

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



FIELD ORDER N° C 43982

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

DATE 6-8 2016

IS AUTHORIZED BY: CARMEN Schmitt
(NAME OF CUSTOMER)

Address _____ City _____ State _____
 To Treat Well As Follows: Lease W. P. Unit Well No. 1-7 Customer Order No. _____
 Sec. Twp. Range 7-14s-25W County TAE90 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
 _____ By _____
Well Owner or Operator Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
<u>2</u>		<u>Price As Agreed Mileage Pump Chg CMT - 85 1/8" Surface Pipe</u>		<u>3082.68</u>
		Bulk Charge		
		Bulk Truck Miles		
		Process License Fee on _____ Gallons		
			TOTAL BILLING	<u>3082.68</u>

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 Gr. Bend, Ks CARMEN Schmitt
Well Owner, Operator or Agent

Remarks _____
NET 30 DAYS



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



Invoice

DATE	INVOICE #
6/15/2016	29551

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
Nct 30	#1-7	WP Unit	Trego	Murfin Drlg Rig 16	Oil	Development	Longstring 5 1/2	Jason
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	1,700.00	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
281	Mud Flush				500	Gallon(s)	1.25	625.00T
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00T
276	Flocele				150	Lb(s)	2.25	337.50T
283	Salt				750	Lb(s)	0.20	150.00T
284	Calseal				7	Sack(s)	30.00	210.00T
285	CFR-1				50	Lb(s)	4.50	225.00T
290	D-Air				5	Gallon(s)	42.00	210.00T
325	Standard Cement				150	Sacks	12.25	1,837.50T
330	Swift Multi-Density Standard (MIDCON II)				400	Sacks	15.75	6,300.00T
581D	Service Charge Cement				550	Sacks	1.50	825.00
583D	Drayage				1,249.87	Ton Miles	0.75	937.40
	Subtotal							15,827.40
	Sales Tax Trego County						8.00%	971.20
<p>7/10/43 19004.0107 Well Ate Cement Long String</p>								
We Appreciate Your Business!							Total	\$16,798.60



TICKET 29551

PAGE 1 OF 2

CHARGE TO: **CARMEN SCAMMIT**
 ADDRESS:
 CITY, STATE, ZIP CODE:

WELL PROJECT NO. **WUP UNIT 1-7** COUNTY/TOWNSHIP **TREGO** STATE **KS.** CITY **LOTICA, KS.** DATE **1/5/55** OWNER
 SERVICE LOCATIONS **NESS CITY, KS.** CONTRACTOR **MURFINDRILLING RIG 16** RIG NAME/NO. **DRILLING RIG 16** ORDER NO.
 TICKET TYPE SERVICE SALES WELL TYPE **OIL** JOB PURPOSE **DEVELOPMENT** WELL PERMIT NO. **10N1W4N14E N1520**
 INVOICE INSTRUCTIONS **S&L 6065TRING**

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	U/M	CITY	U/M	UNIT PRICE	AMOUNT
		LOC	ACCL							
575				MILEAGE #115	45	MIL			5.00	225.00
579				PUMP CHARGE	1				1700.00	1700.00
402				CEMENT BASKETS CENTRALIZERS	12	EA.			60.00	720.00
403				CEMENT BASKETS	3	EA.			250.00	750.00
406				LATCH DOWN PLUG & BAFFLE	1	EA.			225.00	225.00
407				INSERT FLOAT SHOE W/FILL	1	EA.			300.00	300.00
419				ROTATING HEAD RENTAL	1	JOB			200.00	200.00
281				MUD FLUSH	500	gal			1.25	625.00
221				KCL	2	gal			25.00	50.00

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 A. Johnson* TIME SIGNED **0445** AM PM
 DATE SIGNED **1/5/55**

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

SURVEY: OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE? YES NO CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 4795.00
 11032.40
 15827.40
 TEND CO. 8.00
 991.20
 TOTAL: 16998.60

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

SWIFT OPERATOR: *[Signature]*

Thank You!



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

TICKET CONTINUATION

TICKET No. 29551

DATE 15 Jun 16 PAGE 21 OF 2

WELL WP UNIT 1-7

CUSTOMER Carmen Schmitt

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		TIME	DESCRIPTION	QTY		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT			DF	QTY	U/M	QTY		
276					FLOCELE	150	lbs			2.25	337.50
283					SALT	750	lbs			2.00	150.00
284					CALSEAL	7	SK			30.00	210.00
285					CFR-1	50	lbs			4.45	222.50
290					D-AIR	5	gal			42.00	210.00
325					STANDARD EA-2	150	SK			12.55	1882.50
330					SMD CEMENT	400	SK			15.75	6300.00
581					SERVICE CHARGE					1.50	825.00
583					MILEAGE CHARGE					7.50	937.40
						CUBIC FEET					
						TON MILES					
						550	SK				
						1249.87					
CONTINUATION TOTAL											11,032.40

JOB LOG

SWIFT Services, Inc.

DATE: 15 Jun 16 PAGE NO.

CUSTOMER: LARSEN SCHMITT WELL NO. LEASE: WP UNIT # 1-7 JOB TYPE: 5 1/2 LONG STRING TICKET NO.: 29551

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2030							DN LOCATION
	2115							START PIPE 5 1/2 - 15.5 # RTD @ 4375 LTD @ 4375 SHOE JT. 42.57 TP 4370 CENTRALIZERS - JT # 6, 8, 12, 13, 14, 15, 16, 17, 20, 56, 60 BASKETS 4, 10, 58
	2320				✓			DROP BALL - CIRCULATE
	0015							WRONG TRUCK - GO SWITCH OUT BULK TRUCK
	0215	6	12		✓			Pump 50 Dsx MUD FLUSH
		6	20		✓			Pump 20 Bbl SPACER
	0250		7.5		✓			PLUG RH - 30sx - MH - 20sx
	0255	6	194		✓			MIX 35 Dsx SMD
		6	36		✓			MIX 15 Dsx EA-2
	0340							WASH OUT PUMP & LINES.
	0343	6			✓			START DISPLACING PLUG.
	0400	0	103		✓		1500	PLUG DOWN - LATCH PLUG FN
	0403				✓			RELEASE PSI - DRY
	0407							WELL DID NOT CIRCULATE CEMENT WASH TRUCK
	0445							JOB COMPLETE THANKS # 115 JASON DAVE ISAAC.



DRILL STEM TEST REPORT

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

PO Box 47
Great Bend, K S 67530

ATTN: Pat Deenihan

WP Unit #1-7

7-14S-25W Trego,KS

Start Date: 2016.06.12 @ 08:08:59

End Date: 2016.06.12 @ 15:12:29

Job Ticket #: 58087 DST #: 1

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

Printed: 2016.06.16 @ 08:55:44

Carmen Schmitt, Inc. 7-14S-25W Trego,KS WP Unit #1-7 DST # 1 LKC "H" 2016.06.12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
PO Box 47
Great Bend, K S 67530
ATTN: Pat Deenihan

7-14S-25W Trego,KS

WP Unit #1-7

Job Ticket: 58087

DST#: 1

Test Start: 2016.06.12 @ 08:08:59

GENERAL INFORMATION:

Formation: **LKC "H"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:29:59
 Time Test Ended: 15:12:29
 Interval: **3858.00 ft (KB) To 3890.00 ft (KB) (TVD)**
 Total Depth: 3890.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 2439.00 ft (KB)
 2434.00 ft (CF)
 KB to GR/CF: 5.00 ft

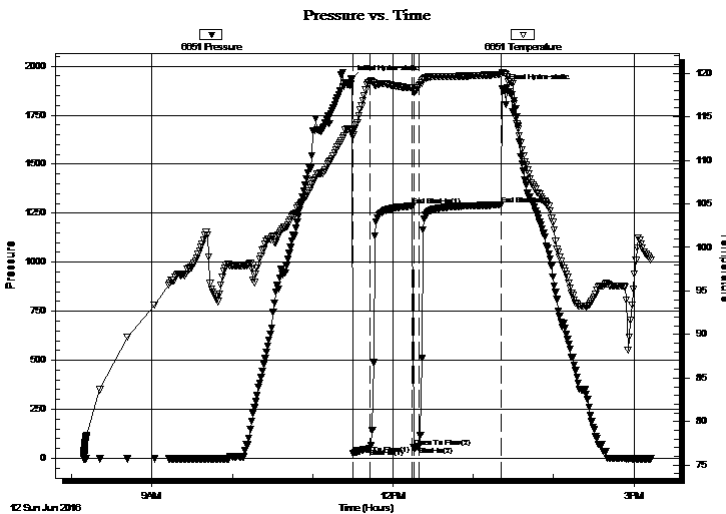
Serial #: 6651

Inside

Press@RunDepth: 61.48 psig @ 3887.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.06.12 End Date: 2016.06.12 Last Calib.: 2016.06.12
 Start Time: 08:09:00 End Time: 15:12:29 Time On Btm: 2016.06.12 @ 11:28:59
 Time Off Btm: 2016.06.12 @ 13:21:29

TEST COMMENT: 15- IF- BOB 7mins
 30- IS- Surface blow died in 6mins
 05- FF- BOB 5mins
 60- FS- Surface blow died in 37mins

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1934.12	113.42	Initial Hydro-static
1	22.75	112.72	Open To Flow (1)
14	49.97	119.00	Shut-In(1)
46	1287.27	118.32	End Shut-In(1)
47	53.82	118.01	Open To Flow (2)
51	61.48	118.61	Shut-In(2)
112	1292.21	119.85	End Shut-In(2)
113	1887.15	120.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
143.00	HMCO, 30%M 70%O	1.76
0.00	55' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc.

7-14S-25W Trego,KS

PO Box 47
Great Bend, K S 67530

WP Unit #1-7

Job Ticket: 58087

DST#: 1

ATTN: Pat Deenihan

Test Start: 2016.06.12 @ 08:08:59

Tool Information

Drill Pipe:	Length: 3834.00 ft	Diameter: 3.82 inches	Volume: 54.35 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - 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: 53000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3858.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3837.00	
Shut In Tool	5.00			3842.00	
Hydraulic tool	5.00			3847.00	
Safety Joint	2.00			3849.00	
Packer	5.00			3854.00	22.00 Bottom Of Top Packer
Packer	4.00			3858.00	
Stubb	1.00			3859.00	
Perforations	28.00			3887.00	
Recorder	0.00	6651	Inside	3887.00	
Recorder	0.00	6839	Outside	3887.00	
Bullnose	3.00			3890.00	32.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

7-14S-25W Trego, KS

PO Box 47
Great Bend, K S 67530

WP Unit #1-7

Job Ticket: 58087

DST#: 1

ATTN: Pat Deenihan

Test Start: 2016.06.12 @ 08:08:59

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
143.00	HMCO, 30%M 70%O	1.759
0.00	55' GIP	0.000

Total Length: 143.00 ft

Total Volume: 1.759 bbl

Num Fluid Samples: 0

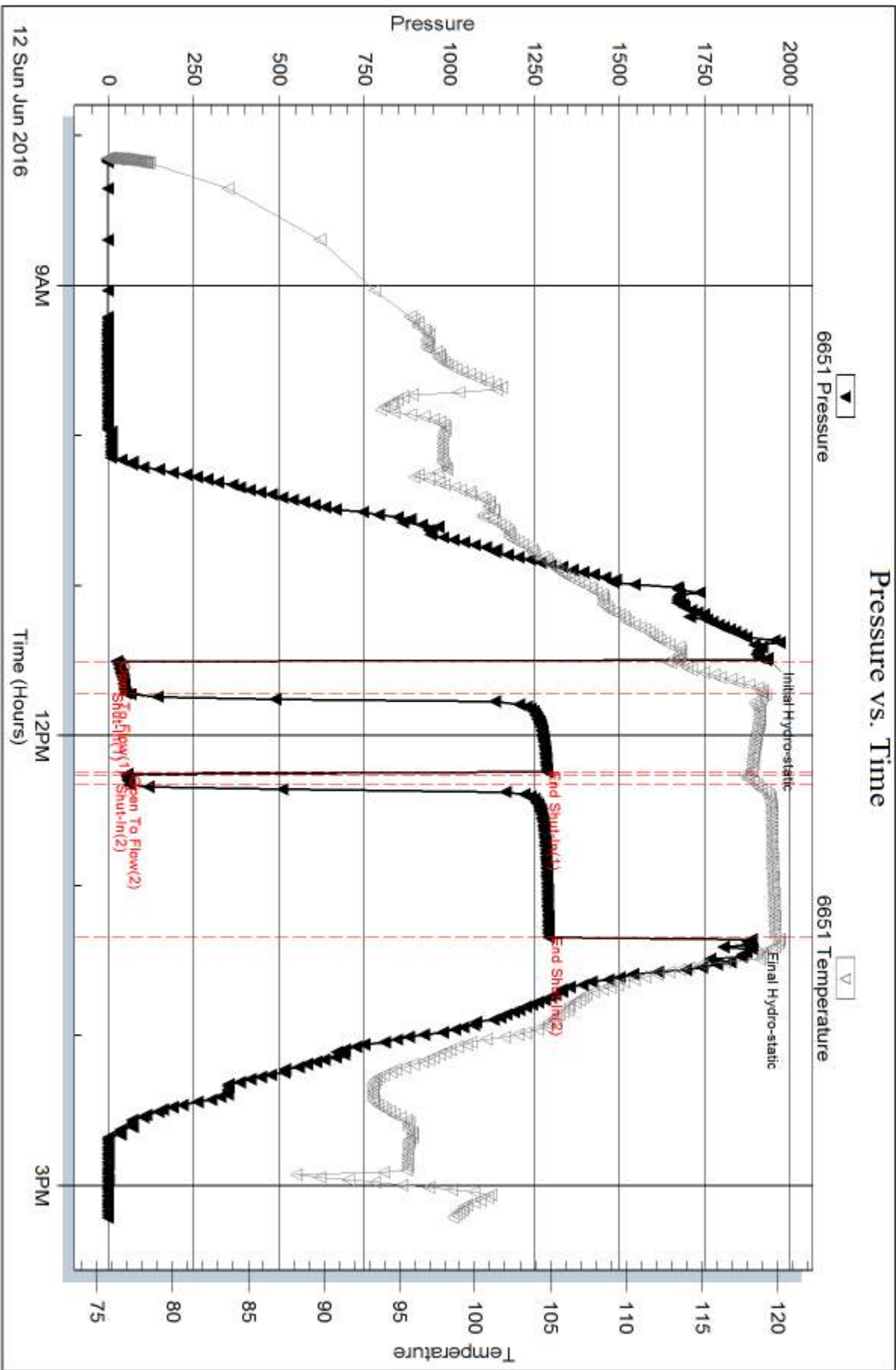
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

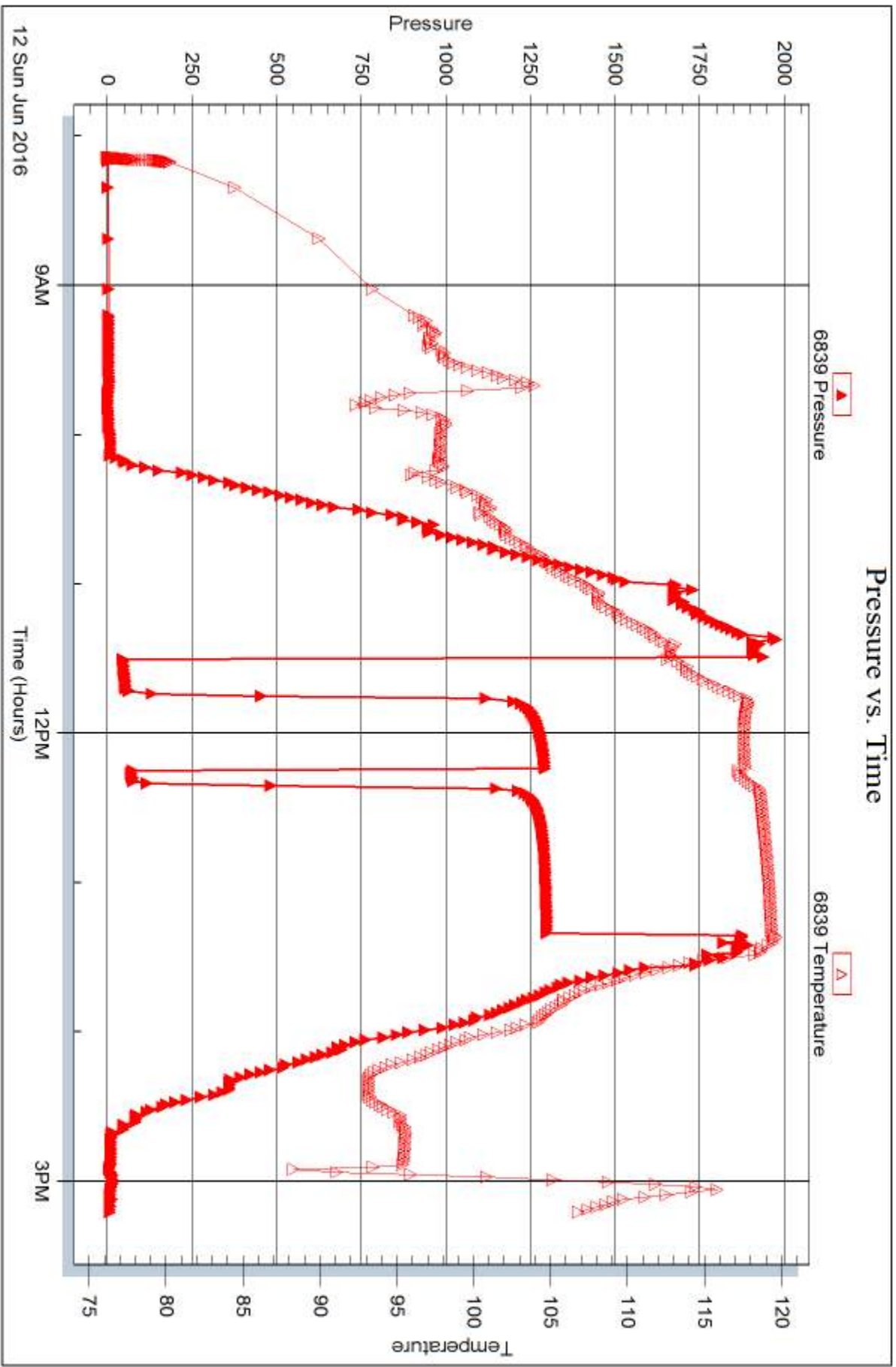


Serial #: 6839

Outside Carmen Schmitt, Inc.

WP Unit #1-7

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58087

Printed: 2016.06.16 @ 08:55:45



DRILL STEM TEST REPORT

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

PO Box 47
Great Bend, K S 67530

ATTN: Pat Deenihan

WP Unit #1-7

7-14S-25W Trego,KS

Start Date: 2016.06.12 @ 23:32:26

End Date: 2016.06.13 @ 06:01:26

Job Ticket #: 58088 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.06.16 @ 08:55:14



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
 PO Box 47
 Great Bend, K S 67530
 ATTN: Pat Deenihan

7-14S-25W Trego,KS
WP Unit #1-7
 Job Ticket: 58088 **DST#: 2**
 Test Start: 2016.06.12 @ 23:32:26

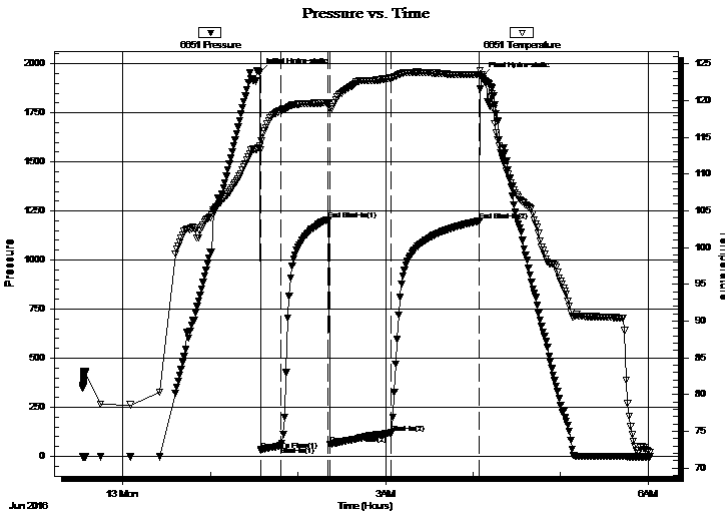
GENERAL INFORMATION:

Formation: **LKC "J"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 01:34:26 Tester: Brannan Lonsdale
 Time Test Ended: 06:01:26 Unit No: 73
 Interval: **3910.00 ft (KB) To 3939.00 ft (KB) (TVD)** Reference Elevations: 2439.00 ft (KB)
 Total Depth: 3939.00 ft (KB) (TVD) 2434.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 6651 Inside
 Press@RunDepth: 118.96 psig @ 3936.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.06.12 End Date: 2016.06.13 Last Calib.: 2016.06.13
 Start Time: 23:32:27 End Time: 06:01:26 Time On Btm: 2016.06.13 @ 01:33:56
 Time Off Btm: 2016.06.13 @ 04:06:26

TEST COMMENT: 15- IF- BOB 4mins
 30- IS- Surface blow died in 7mins
 45- FF- BOB 5mins
 60- FSI .5" blow throughout

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1956.01	113.81	Initial Hydro-static
1	30.15	113.31	Open To Flow (1)
14	52.63	118.61	Shut-In(1)
47	1205.43	119.69	End Shut-In(1)
48	60.38	118.82	Open To Flow (2)
90	118.96	123.06	Shut-In(2)
151	1198.50	123.51	End Shut-In(2)
153	1932.92	123.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
127.00	GMCO, 15%G 20%M 65%O	1.53
158.00	GO, 15%G 85%O	2.24
0.00	475' 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, K S 67530
ATTN: Pat Deenihan

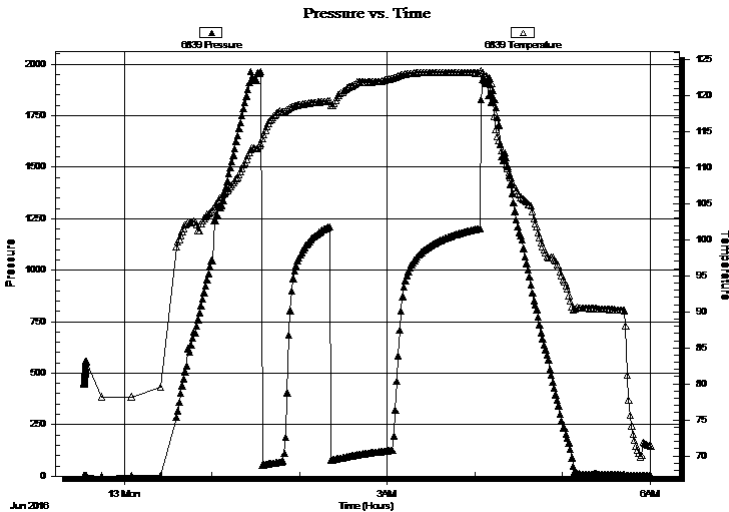
7-14S-25W Trego, KS
WP Unit #1-7
Job Ticket: 58088 **DST#: 2**
Test Start: 2016.06.12 @ 23:32:26

GENERAL INFORMATION:

Formation: **LKC "J"**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 01:34:26 Tester: Brannan Lonsdale
Time Test Ended: 06:01:26 Unit No: 73
Interval: 3910.00 ft (KB) To 3939.00 ft (KB) (TVD) Reference Elevations: 2439.00 ft (KB)
Total Depth: 3939.00 ft (KB) (TVD) 2434.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 6839 **Outside**
Press@RunDepth: psig @ 3936.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.06.12 End Date: 2016.06.13 Last Calib.: 2016.06.13
Start Time: 23:32:02 End Time: 06:01:01 Time On Btm:
Time Off Btm:

TEST COMMENT: 15- IF- BOB 4mins
30- IS- Surface blow died in 7mins
45- FF- BOB 5mins
60- FSI- .5" blow throughout



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
127.00	GMCO, 15%G 20%M 65%O	1.53
158.00	GO, 15%G 85%O	2.24
0.00	475' 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.

7-14S-25W Trego,KS

PO Box 47
Great Bend, K S 67530

WP Unit #1-7

Job Ticket: 58088

DST#: 2

ATTN: Pat Deenihan

Test Start: 2016.06.12 @ 23:32:26

Tool Information

Drill Pipe:	Length: 3865.00 ft	Diameter: 3.82 inches	Volume: 54.79 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - 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: 52000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3910.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3891.00	
Shut In Tool	5.00			3896.00	
Hydraulic tool	5.00			3901.00	
Packer	5.00			3906.00	20.00 Bottom Of Top Packer
Packer	4.00			3910.00	
Stubb	1.00			3911.00	
Perforations	25.00			3936.00	
Recorder	0.00	6651	Inside	3936.00	
Recorder	0.00	6839	Outside	3936.00	
Bullnose	3.00			3939.00	29.00 Bottom Packers & Anchor
Total Tool Length:	49.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

7-14S-25W Trego, KS

PO Box 47
Great Bend, K S 67530

WP Unit #1-7

Job Ticket: 58088

DST#: 2

ATTN: Pat Deenihan

Test Start: 2016.06.12 @ 23:32:26

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
127.00	GMCO, 15%G 20%M 65%O	1.532
158.00	GO, 15%G 85%O	2.240
0.00	475' GIP	0.000

Total Length: 285.00 ft Total Volume: 3.772 bbl

Num Fluid Samples: 0

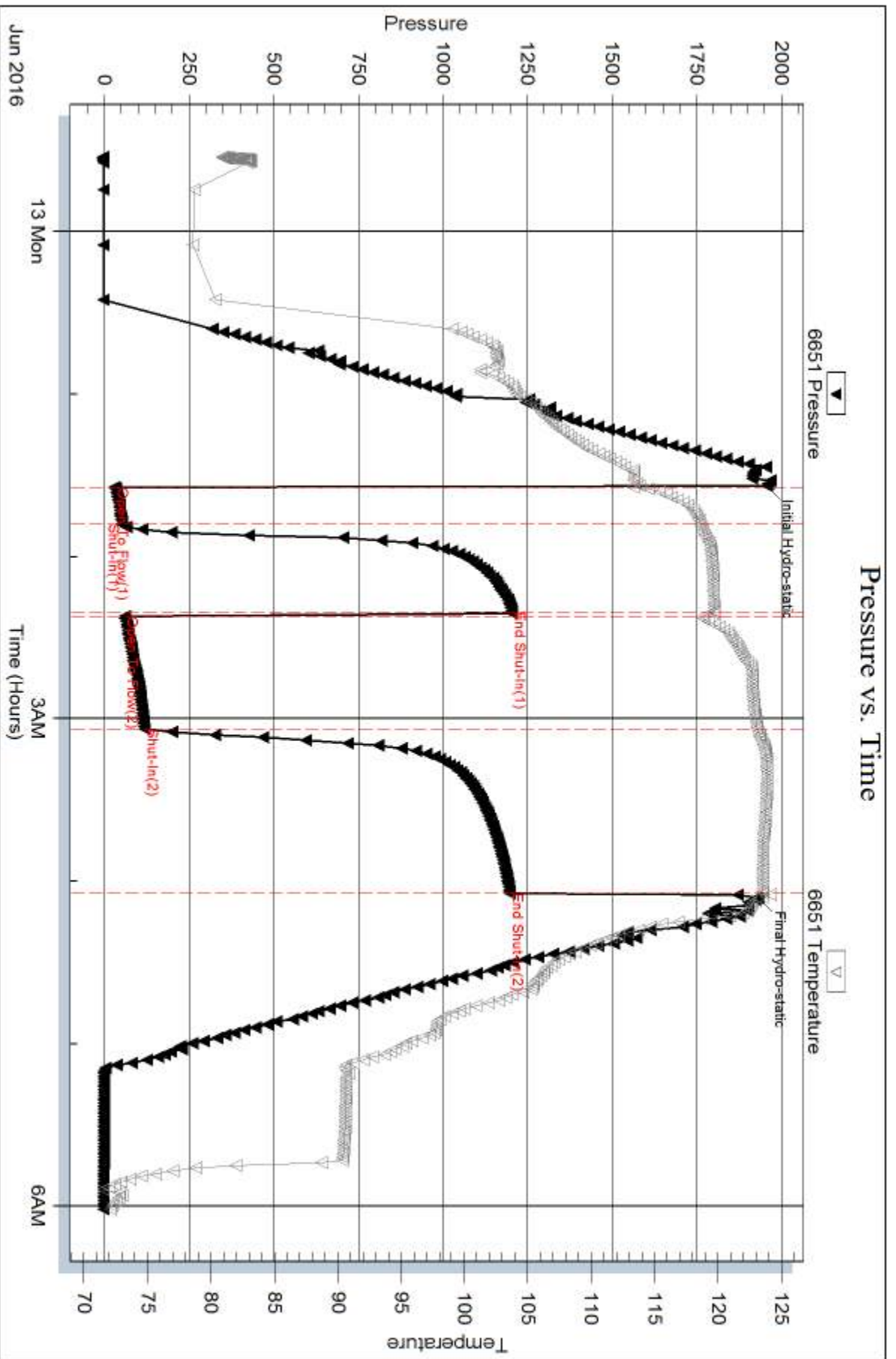
Num Gas Bombs: 0

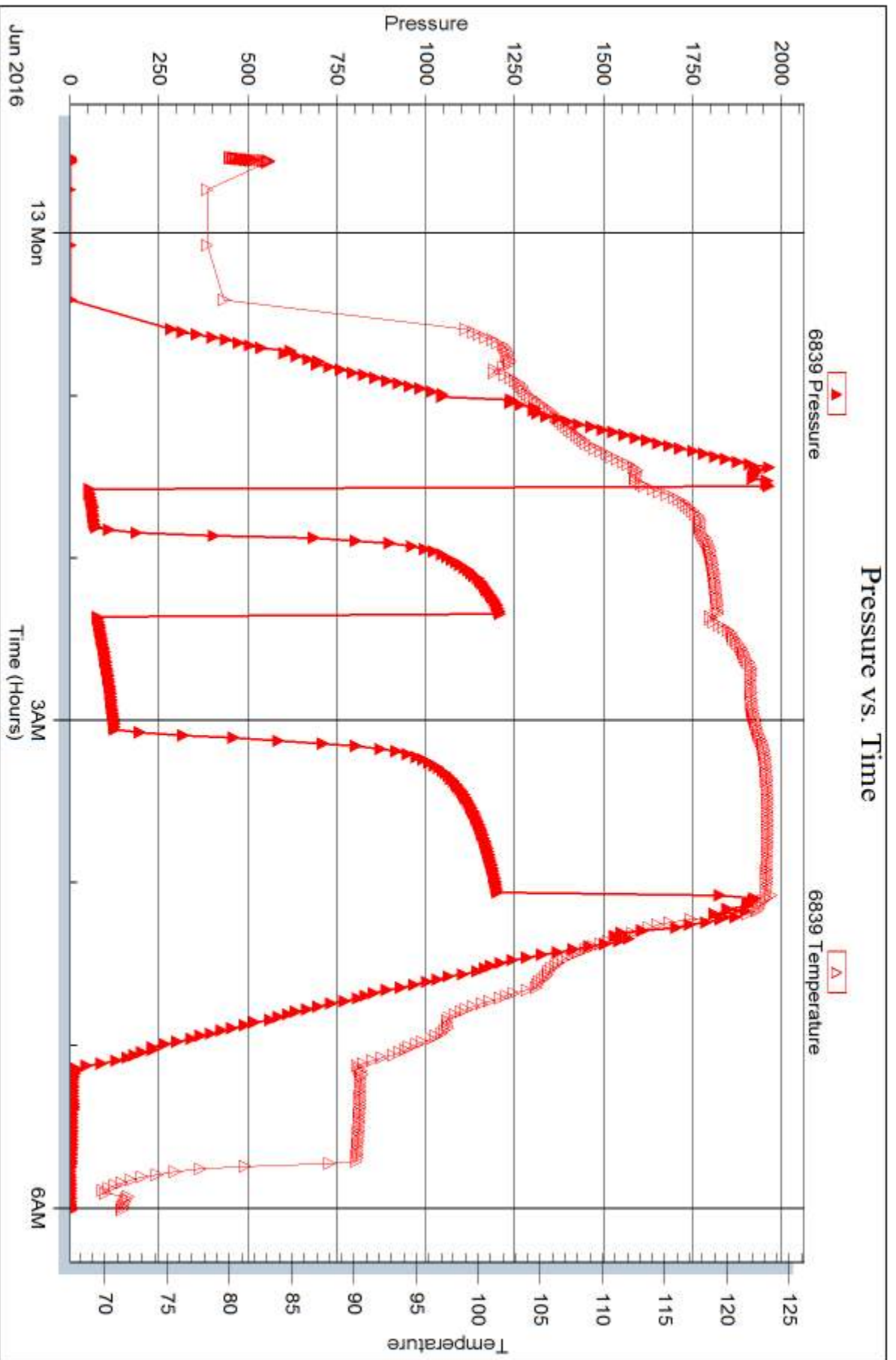
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

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

PO Box 47
Great Bend, K S 67530

ATTN: Pat Deenihan

WP Unit #1-7

7-14S-25W Trego,KS

Start Date: 2016.06.13 @ 12:32:26

End Date: 2016.06.13 @ 19:09:26

Job Ticket #: 58089 DST #: 3

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

Printed: 2016.06.16 @ 08:54:47

Carmen Schmitt, Inc. 7-14S-25W Trego,KS WP Unit #1-7 DST # 3 LKC "K" 2016.06.13



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
 PO Box 47
 Great Bend, K S 67530
 ATTN: Pat Deenihan

7-14S-25W Trego,KS
WP Unit #1-7
 Job Ticket: 58089 **DST#: 3**
 Test Start: 2016.06.13 @ 12:32:26

GENERAL INFORMATION:

Formation: **LKC "K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:22:26
 Time Test Ended: 19:09:26
 Interval: **3936.00 ft (KB) To 3962.00 ft (KB) (TVD)**
 Total Depth: 3962.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 2439.00 ft (KB)
 2434.00 ft (CF)
 KB to GR/CF: 5.00 ft

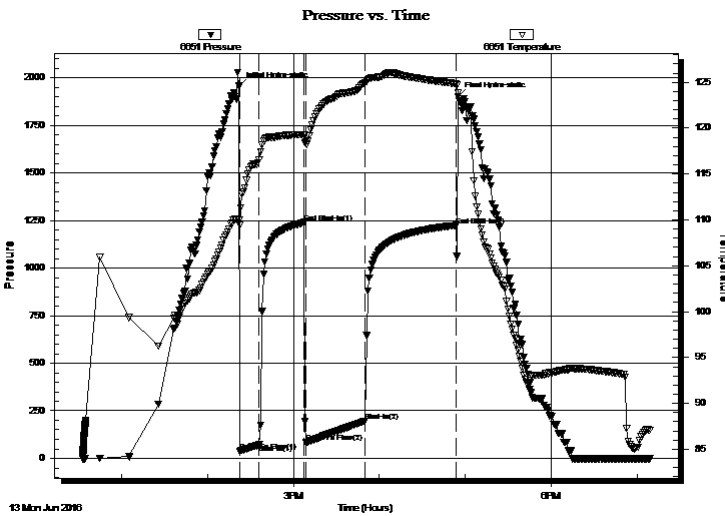
Serial #: 6651

Inside

Press@RunDepth: 196.40 psig @ 3959.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.06.13 End Date: 2016.06.13 Last Calib.: 2016.06.13
 Start Time: 12:32:27 End Time: 19:09:26 Time On Btm: 2016.06.13 @ 14:21:56
 Time Off Btm: 2016.06.13 @ 16:54:56

TEST COMMENT: 15- IF- BOB 2mins
 30- IS- Slowly bilt to 1"
 45- FF- BOB 3mins
 60- FS- BOB 48mins

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1956.09	110.02	Initial Hydro-static
1	38.01	109.40	Open To Flow (1)
14	73.31	116.56	Shut-In(1)
46	1240.36	119.27	End Shut-In(1)
47	83.60	118.52	Open To Flow (2)
88	196.40	124.91	Shut-In(2)
152	1224.05	124.84	End Shut-In(2)
153	1902.19	123.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
127.00	GOCM, 10%G 10%O 80%M	1.53
539.00	VGO, 35%G 65%O	7.64
0.00	2123' 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.

7-14S-25W Trego,KS

PO Box 47
Great Bend, K S 67530

WP Unit #1-7

Job Ticket: 58089

DST#: 3

ATTN: Pat Deenihan

Test Start: 2016.06.13 @ 12:32:26

GENERAL INFORMATION:

Formation: **LKC "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:22:26

Time Test Ended: 19:09:26

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 3936.00 ft (KB) To 3962.00 ft (KB) (TVD)

Total Depth: 3962.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2439.00 ft (KB)

2434.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6839 Outside

Press@RunDepth: psig @ 3959.00 ft (KB)

Start Date: 2016.06.13

End Date: 2016.06.13

Capacity: 8000.00 psig

Last Calib.: 2016.06.13

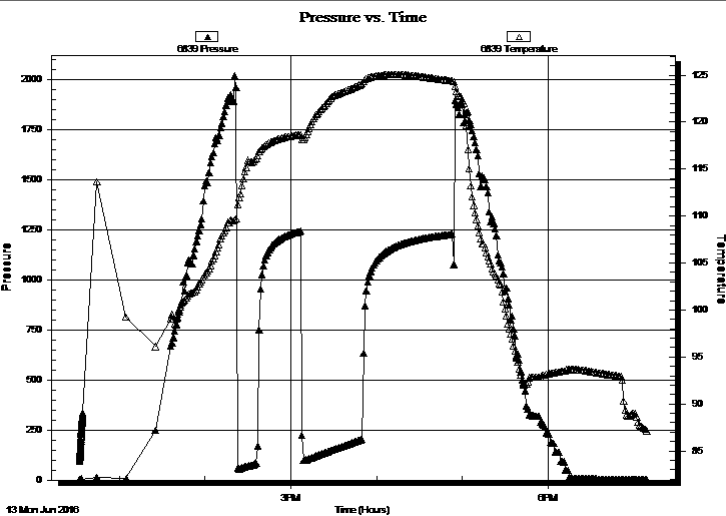
Start Time: 12:32:24

End Time: 19:09:23

Time On Btm:

Time Off Btm:

TEST COMMENT: 15- IF- BOB 2mins
30- IS- Slowly bilt to 1"
45- FF- BOB 3mins
60- FS- BOB 48mins



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
127.00	GOCM, 10%G 10%O 80%M	1.53
539.00	VGO, 35%G 65%O	7.64
0.00	2123' 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.

7-14S-25W Trego,KS

PO Box 47
Great Bend, K S 67530

WP Unit #1-7

Job Ticket: 58089

DST#: 3

ATTN: Pat Deenihan

Test Start: 2016.06.13 @ 12:32:26

Tool Information

Drill Pipe:	Length: 3897.00 ft	Diameter: 3.82 inches	Volume: 55.24 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - 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:	55000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
			- bbl	String Weight: Initial	52000.00 lb
Drill Pipe Above KB:	10.00 ft			Final	54000.00 lb
Depth to Top Packer:	3936.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	26.00 ft				
Tool Length:	46.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3917.00	
Shut In Tool	5.00			3922.00	
Hydraulic tool	5.00			3927.00	
Packer	5.00			3932.00	20.00 Bottom Of Top Packer
Packer	4.00			3936.00	
Stubb	1.00			3937.00	
Perforations	22.00			3959.00	
Recorder	0.00	6651	Inside	3959.00	
Recorder	0.00	6839	Outside	3959.00	
Bullnose	3.00			3962.00	26.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

7-14S-25W Trego, KS

PO Box 47
Great Bend, K S 67530

WP Unit #1-7

Job Ticket: 58089

DST#: 3

ATTN: Pat Deenihan

Test Start: 2016.06.13 @ 12:32:26

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 60.00 sec/qt
Water Loss: 7.19 in³
Resistivity: ohm.m
Salinity: 3800.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 32 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
127.00	GOCM, 10%G 10%O 80%M	1.532
539.00	VGO, 35%G 65%O	7.641
0.00	2123' GIP	0.000

Total Length: 666.00 ft Total Volume: 9.173 bbl

Num Fluid Samples: 0

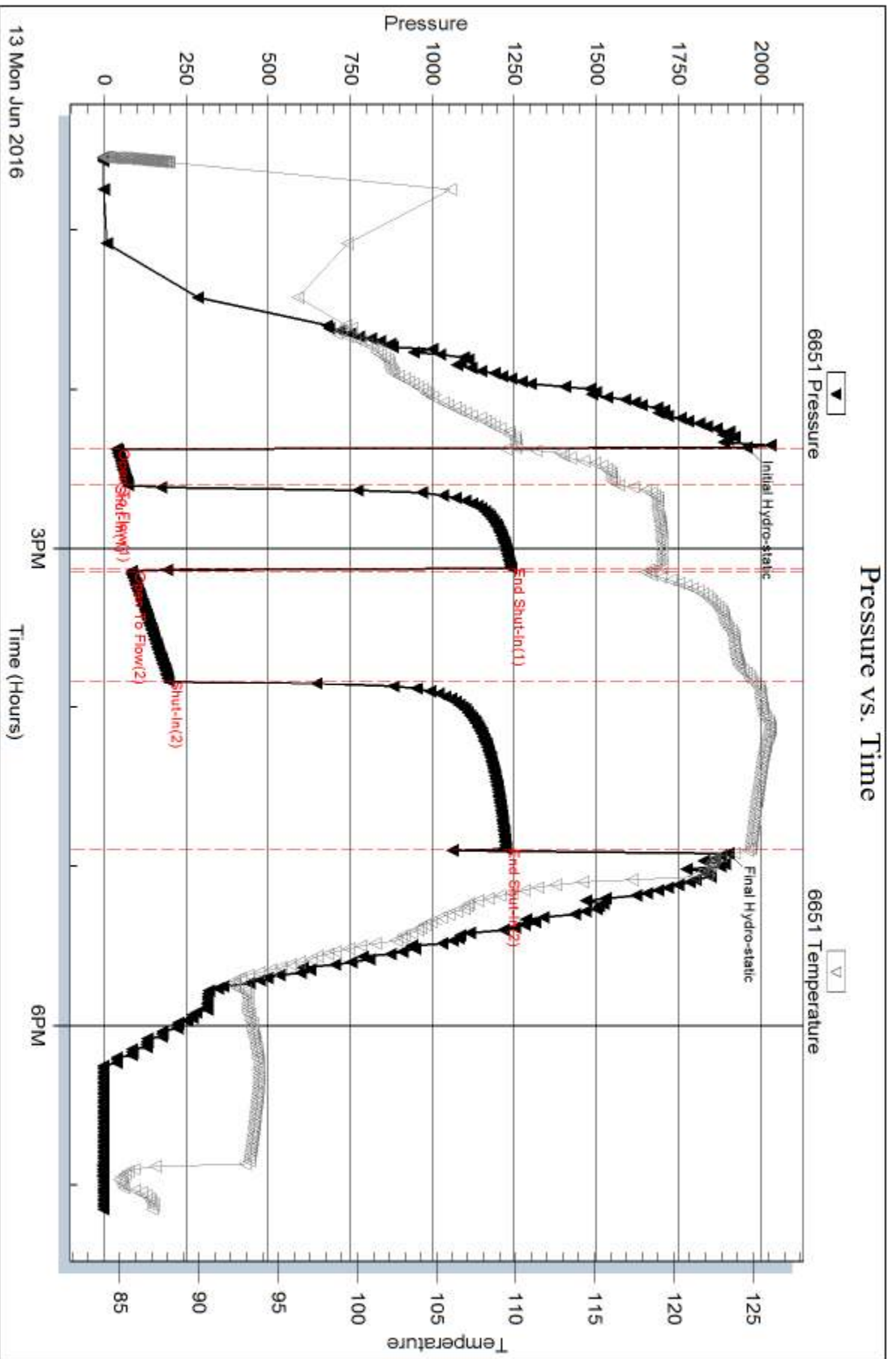
Num Gas Bombs: 0

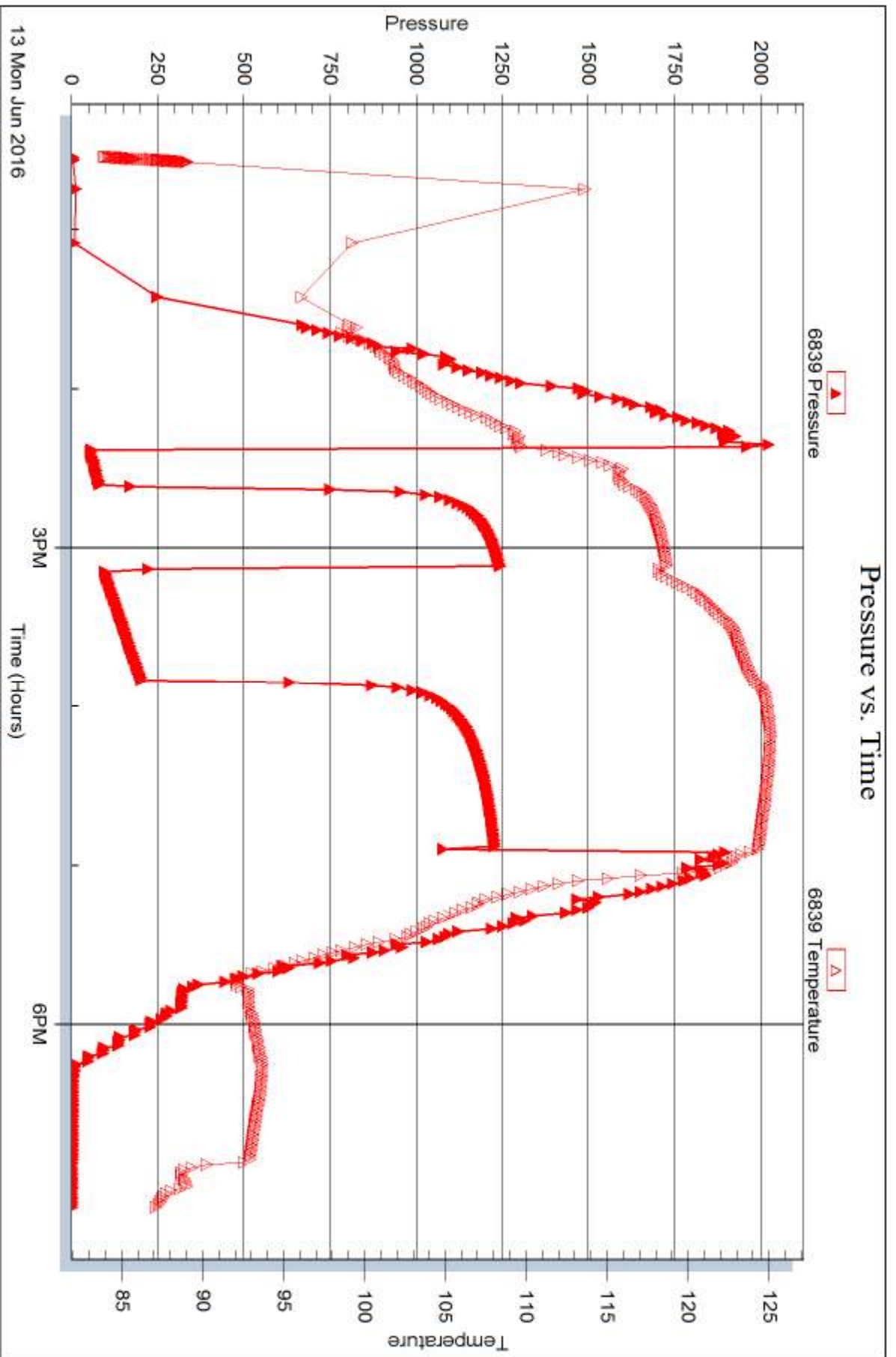
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





13 Mon Jun 2016



DRILL STEM TEST REPORT

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

PO Box 47
Great Bend, K S 67530

ATTN: Pat Deenihan

WP Unit #1-7

7-14S-25W Trego,KS

Start Date: 2016.06.14 @ 01:52:11

End Date: 2016.06.14 @ 06:12:11

Job Ticket #: 58090 DST #: 4

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

Printed: 2016.06.16 @ 08:53:56



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
 PO Box 47
 Great Bend, K S 67530
 ATTN: Pat Deenihan

7-14S-25W Trego,KS
WP Unit #1-7
 Job Ticket: 58090 **DST#: 4**
 Test Start: 2016.06.14 @ 01:52:11

GENERAL INFORMATION:

Formation: **LKC "L"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:31:11
 Time Test Ended: 06:12:11
Interval: 3963.00 ft (KB) To 3992.00 ft (KB) (TVD)
 Total Depth: 3992.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 2439.00 ft (KB)
 2434.00 ft (CF)
 KB to GR/CF: 5.00 ft

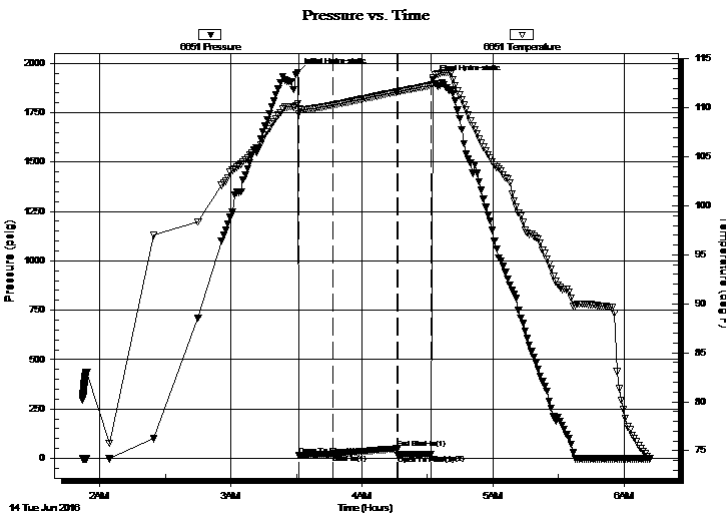
Serial #: 6651

Inside

Press@RunDepth: 18.32 psig @ 3989.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.06.14 End Date: 2016.06.14 Last Calib.: 2016.06.14
 Start Time: 01:52:12 End Time: 06:12:11 Time On Btm: 2016.06.14 @ 03:30:41
 Time Off Btm: 2016.06.14 @ 04:32:41

TEST COMMENT: 15- IF- Slowly built to .5"
 30- IS- No blow
 15- FF- No blow Pulled tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1954.66	110.44	Initial Hydro-static
1	14.33	109.42	Open To Flow (1)
16	18.32	110.29	Shut-In(1)
46	48.52	111.65	End Shut-In(1)
46	15.46	111.66	Open To Flow (2)
61	19.47	112.32	Shut-In(2)
62	1919.23	113.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OSM	0.07

* 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, K S 67530

WP Unit #1-7

Job Ticket: 58090

DST#: 4

ATTN: Pat Deenihan

Test Start: 2016.06.14 @ 01:52:11

Tool Information

Drill Pipe:	Length: 3928.00 ft	Diameter: 3.82 inches	Volume: 55.68 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - 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: 53000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3963.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3942.00	
Shut In Tool	5.00			3947.00	
Hydraulic tool	5.00			3952.00	
Safety Joint	2.00			3954.00	
Packer	5.00			3959.00	22.00 Bottom Of Top Packer
Packer	4.00			3963.00	
Stubb	1.00			3964.00	
Perforations	25.00			3989.00	
Recorder	0.00	6651	Inside	3989.00	
Recorder	0.00	6839	Outside	3989.00	
Bullnose	3.00			3992.00	29.00 Bottom Packers & Anchor

Total Tool Length: 51.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

7-14S-25W Trego, KS

PO Box 47
Great Bend, K S 67530

WP Unit #1-7

Job Ticket: 58090

DST#: 4

ATTN: Pat Deenihan

Test Start: 2016.06.14 @ 01:52:11

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OSM	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

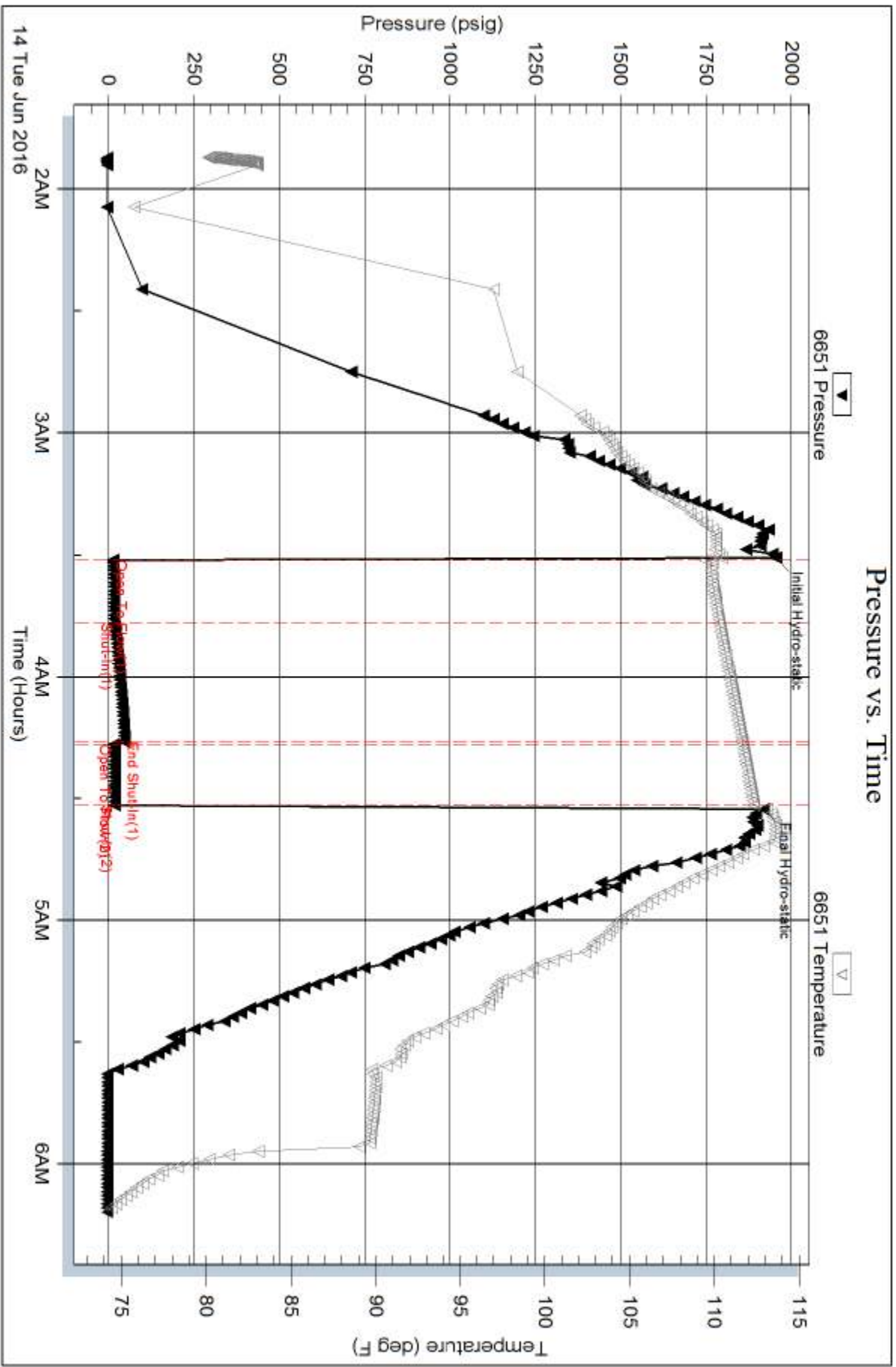
Num Gas Bombs: 0

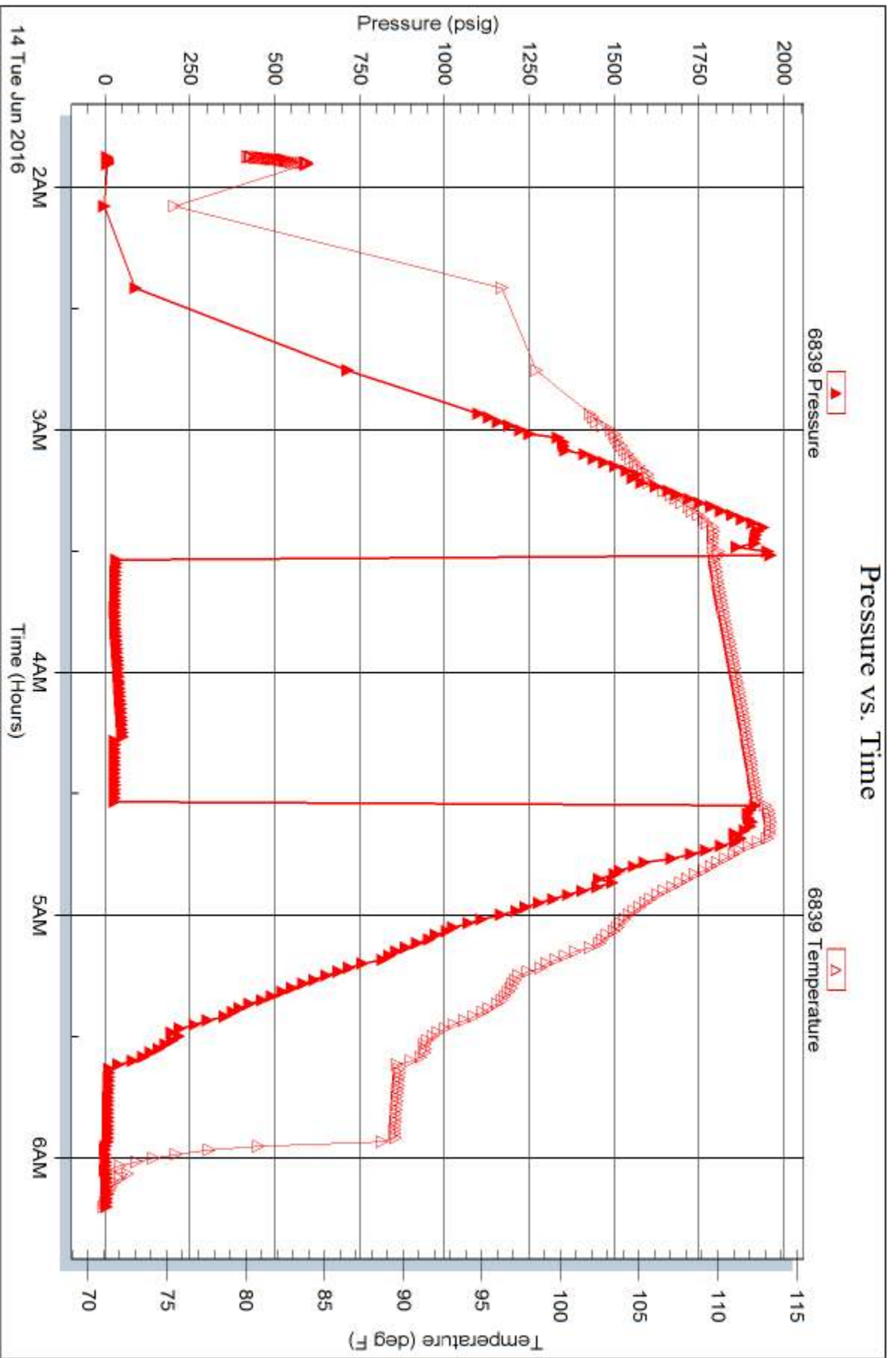
Serial #:

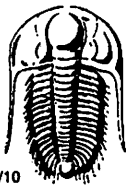
Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58087

Well Name & No. WP Unit #1-7 Test No. 1 Date 6/12/16
 Company Carmen Schmitt, Inc. Elevation 2439 KB 2434 GL
 Address PO Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Pat Deenihan Rig Murfin #16
 Location: Sec. 7 Twp. 14 S Rge. 25 W Co. Trego State KS

Interval Tested 3858 - 3890 Zone Tested LKC "H"
 Anchor Length 32' Drill Pipe Run 3834 Mud Wt. 8.6
 Top Packer Depth 3853 Drill Collars Run 29 Vis 60t
 Bottom Packer Depth 3858 Wt. Pipe Run WL 6.8
 Total Depth 3890 Chlorides 3,000 ppm System LCM 2nd

Blow Description IF - BOB 7mins
ISI - Surface Blow died in 6mins
PF - BOB 5mins
FST - Surface Blow died in 37mins

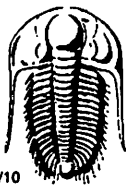
Rec	Feet of	%gas	%oil	%water	%mud
<u>143</u>	<u>HMCO</u>		<u>70</u>		<u>30</u>
Rec	Feet of <u>55' CIP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 143' BHT 120° Gravity 32 API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic <u>1934</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>0754</u>
(B) First Initial Flow <u>23</u>	<input type="checkbox"/> Jars <u> </u>	T-Started <u>0808</u>
(C) First Final Flow <u>50</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1129</u>
(D) Initial Shut-In <u>1287</u>	<input type="checkbox"/> Circ Sub <u> </u>	T-Pulled <u>1319</u>
(E) Second Initial Flow <u>54</u>	<input type="checkbox"/> Hourly Standby <u> </u>	T-Out <u>1512</u>
(F) Second Final Flow <u>61</u>	<input checked="" type="checkbox"/> Mileage <u>126 RT</u> 94.50	Comments <u> </u>
(G) Final Shut-In <u>1292</u>	<input type="checkbox"/> Sampler <u> </u>	
(H) Final Hydrostatic <u>1887</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>5</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>1469.50</u>
	<input type="checkbox"/> Accessibility <u> </u>	MP/DST Disc't <u> </u>
	Sub Total <u>1469.50</u>	

Approved By Our Representative Brannan Lonsdale

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. 58088

4/10

Well Name & No. WP Unit #1-7 Test No. 2 Date 6/12/16
 Company Carmen Schmitt, Inc. Elevation 2439 KB 2434 GL
 Address PO Box #7 Great Bend, KS 67530
 Co. Rep / Geo. Pat Deenihan Rig Murphy #16
 Location: Sec. 7 Twp. 14 S Rge. 25 W Co. Trego State KS

Interval Tested 3910-3939 Zone Tested LKC "J"
 Anchor Length 29' Drill Pipe Run 3865 Mud Wt. 9.1
 Top Packer Depth 3905 Drill Collars Run 29 Vis 52
 Bottom Packer Depth 3910 Wt. Pipe Run — WL 6.4
 Total Depth 3939 Chlorides 2,400 ppm System LCM 2nd

Blow Description IF-BOB 4mins
FST-Surface blow down in 7mins
FF-BOB 5mins
FST-1" blow throughout

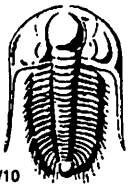
Rec	Feet of	%gas	%oil	%water	%mud
<u>127</u>	<u>GMCO</u>	<u>15</u>	<u>65</u>	<u>20</u>	<u>—</u>
<u>158</u>	<u>GO</u>	<u>15</u>	<u>85</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>475' GIP</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

Rec Total 285' BHT 24⁰ Gravity 34 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	<u>1956</u>	<input checked="" type="checkbox"/> Test	<u>1050</u>	T-On Location	<u>2320</u>
(B) First Initial Flow	<u>30</u>	<input type="checkbox"/> Jars	<u>—</u>	T-Started	<u>2332</u>
(C) First Final Flow	<u>53</u>	<input type="checkbox"/> Safety Joint	<u>—</u>	T-Open	<u>6/13 0133</u>
(D) Initial Shut-In	<u>1205</u>	<input type="checkbox"/> Circ Sub	<u>—</u>	T-Pulled	<u>0403</u>
(E) Second Initial Flow	<u>60</u>	<input type="checkbox"/> Hourly Standby	<u>—</u>	T-Out	<u>0601</u>
(F) Second Final Flow	<u>119</u>	<input checked="" type="checkbox"/> Mileage	<u>126 RT 94.50</u>	Comments	<u>—</u>
(G) Final Shut-In	<u>1199</u>	<input type="checkbox"/> Sampler	<u>—</u>	<input type="checkbox"/> Ruined Shale Packer	<u>—</u>
(H) Final Hydrostatic	<u>1933</u>	<input type="checkbox"/> Straddle	<u>—</u>	<input type="checkbox"/> Ruined Packer	<u>—</u>
Initial Open	<u>15</u>	<input checked="" type="checkbox"/> Shale Packer	<u>250</u>	<input type="checkbox"/> Extra Copies	<u>—</u>
Initial Shut-In	<u>30</u>	<input type="checkbox"/> Extra Packer	<u>—</u>	Sub Total	<u>0</u>
Final Flow	<u>45</u>	<input type="checkbox"/> Extra Recorder	<u>—</u>	Total	<u>1394.50</u>
Final Shut-In	<u>60</u>	<input type="checkbox"/> Day Standby	<u>—</u>	MP/DST Disc't	<u>—</u>
		<input type="checkbox"/> Accessibility	<u>—</u>		
		Sub Total	<u>1394.50</u>		

Approved By _____ Our Representative Brannen Lonsdale

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58089

Well Name & No. WP Unit #1-7 Test No. 3 Date 6/13/16
 Company Carmen Schmitt, Inc. Elevation 2439 KB 2434 GL
 Address PO Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Pat Deandhan Rig Murfon #16
 Location: Sec. 7 Twp. 14 S Rge. 25 W Co. Trego State KS

Interval Tested 3936 - 3967 Zone Tested LKC "K"
 Anchor Length 26' Drill Pipe Run 3897 Mud Wt. 9.3
 Top Packer Depth 3931 Drill Collars Run 29 Vis 60+
 Bottom Packer Depth 3936 Wt. Pipe Run — WL 7.2
 Total Depth 3962 Chlorides 3,800 ppm System LCM 2⁺

Blow Description IF - BOB 2 mins
ISF - slowly built to 1"
FE - BOB 3 mins
FSF - BOB 48 mins

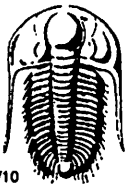
Rec	Feet of	%gas	%oil	%water	%mud
<u>127</u>	<u>50CM</u>	<u>10%</u>	<u>10%</u>	<u>80%</u>	<u>0%</u>
<u>539</u>	<u>160</u>	<u>35%</u>	<u>65%</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>2123' GTP</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

Rec Total 666' BHT 125° Gravity 32 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1956 Test 1050 T-On Location 1227
 (B) First Initial Flow 38 Jars — T-Started 1232
 (C) First Final Flow 73 Safety Joint — T-Open 1422
 (D) Initial Shut-In 1240 Circ Sub — T-Pulled 1652
 (E) Second Initial Flow 84 Hourly Standby — T-Out 1909
 (F) Second Final Flow 196 Mileage 126 RT 94.50 Comments —
 (G) Final Shut-In 1224 Sampler —
 (H) Final Hydrostatic 1902 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 1394.50
 Final Flow 45 Accessibility — MP/DST Disc't —
 Final Shut-In 60 Sub Total 1394.50

Approved By _____ Our Representative Brannon Lonsdale

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58090

Well Name & No. WP Unit #1-7 Test No. 4 Date 6/14/16
 Company Carmen Schmidt, Inc. Elevation 2439 KB 2434 GL
 Address PO Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Pete Deenihan Rig Martin #16
 Location: Sec. 7 Twp. 14 S Rge. 25 W Co. Trego State KS

Interval Tested 3963-3992 Zone Tested LKC "L"
 Anchor Length 29' Drill Pipe Run 3928 Mud Wt. 9.3
 Top Packer Depth 3958 Drill Collars Run 29 Vis 60+
 Bottom Packer Depth 3963 Wt. Pipe Run --- WL 7.2
 Total Depth 3992 Chlorides 3800 ppm System LCM 2#

Blow Description IF - Slowly built to 1/2"
ISI - No flow
FF - No flow pulled tool
FSL -

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>OSM</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 15' BHT 112° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1955 Test 1050 T-On Location 0148
 (B) First Initial Flow 14 Jars _____ T-Started 0152
 (C) First Final Flow 18 Safety Joint _____ T-Open 0331
 (D) Initial Shut-In 49 Circ Sub _____ T-Pulled 0431
 (E) Second Initial Flow 15 Hourly Standby _____ T-Out 0612
 (F) Second Final Flow 19 Mileage 126 RT 94.50 6/15 @ 1000 Comments Loaded tools
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 1919 Straddle _____ Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Initial Open 15 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 0
 Final Flow 15 Day Standby Not 36 hrs Total 1489
 Final Shut-In _____ Accessibility _____ MP/DST Disc't _____
 Sub Total 1489.00

Approved By _____

Our Representative Brannan Lonsdale

Patrick J. Deenihan

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY **Carmen Schmitt, Inc.**
 LEASE **WP Unit #1-7**
 FIELD **KB 2439'**
 LOCATION **2626' ENL & 1494' FWL**
 SEC **7** TWP **14 S** RGE **25 W**
 COUNTY **Trego** STATE **Kansas**
 CONTRACTOR **Muirfin Rig #16** Measurements Are All From Kelly Bushing
 SPUD **6/8/16** COMP **6/5/16**
 RTD **4:37:5** LTD **4:37:5**
 MUD UP **4:37:5** TYPE MUD **Chemical**

SAMPLES SAVED FROM **3300'** TO **RTD**
 DRILLING TIME KEPT FROM **3300'** TO **RTD**
 SAMPLES EXAMINED FROM **3300'** TO **RTD**
 GEOLOGICAL SUPERVISION FROM **3300'**
 GEOLOGIST **Pioneer Wireline
DIL, CND, MIC**

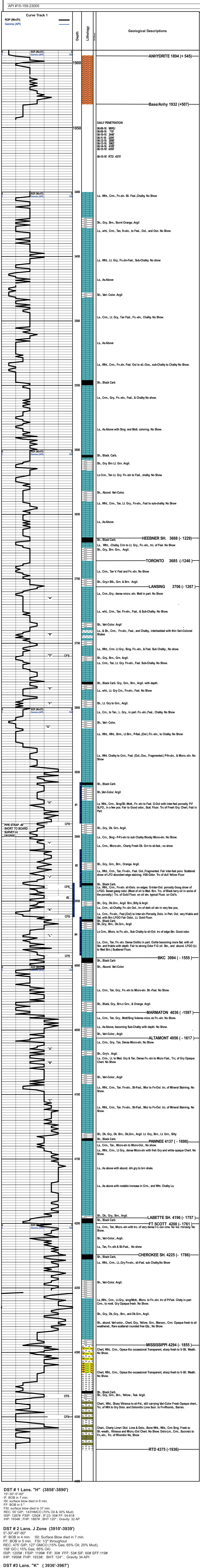
Formation	Sample Tops	E-log Tops	Struct Pos.
B/ Anhy	1932 (+507)	1930 (+509)	
Hedbur Sh.	3668 (-1229)	3668 (-1229)	
Darbushg	3706 (-1267)	3706 (-1267)	
Marmaton	4036 (-1597)	4036 (-1597)	
Parneece	4137 (-1698)	4137 (-1698)	
Cherokee Sh.	4222 (-1783)	4222 (-1783)	
Mississippi	4294 (-1855)	4294 (-1855)	



REMARKS **Based on sample, DST, and Log Analysis, The WP Unit #1-7 will be further evaluated through 5.5' production casing.**

Respectfully Submitted,

Patrick Deenihan



DST # 1 Lans. "H" (3858'-3890')
 15"-30"-5"-60"
 IF: BOB in 7 min.
 ISl: surface blow died in 6 min.
 FF: BOB in 5"
 FSI: surface blow died in 37 min.
 REC: 55' GIP; 143'HMCO (70% Oil & 30% Mud)
 ISIP: 1287#; FSIP: 1292#; IF:23- 50# FF: 54-61#
 IHP: 1934#; FHP: 1887#; BHT 120"; Gravity: 32 AP

DST # 2 Lans. J Zone (3910'-3939')
 5"-30"-45"-60"
 IF: BOB in 4 min. ISl: Surface Blow died in 7 min.
 FF: BOB in 5 min. FSI: 1/2" throughout
 REC: 475' GIP; 127' GMCO (15% Gas; 65% Oil; 20% Mud),
 158' GO (15% Gas; 85% Oil)
 ISIP: 1205#; FSIP: 1199#; FIF: 30# FFF: 53# SIF: 60# SFF:119#
 IHP: 1956#; FHP: 1933#; BHT: 124" ; Gravity 34 API

DST #3 Lans. "K" (3936'-3967')
 13"-30"-45"-60"
 IF: BOB in 2" ISl: 1" FF: BOB in 3" FSI:BOB in 48"
 REC: 2123' GIP; 127' SG&OCM (10% Gas; 10% Oil; 80% Mud)
 539' VGO (35% Gas; 65% Oil)
 ISIP: 1240#; FSIP: 1224#; FIF:36#; FIF:73#; SIF:84#; SFF:196#
 IHP: 1956#; FHP:1902# BHT: 125" Gravity: 32 API

DST # 4 Lans, "L" 3963'-3992'
 15"-30"- 15"- Pulled tool
 IF: 1/2" ISl: No Blow; FF: No Blow pulled tool.
 REC: 15' OSM
 ISIP: 49#; FSIP:N/A; FIF:14#; FFF: 18#; SIF: 15#; SFF:19#
 BHT: 112"