

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1251249
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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 SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- 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 ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1251249

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 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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1000793	1718	04/08/2015
INVOICE NUMBER			
91777210			

Pratt (620) 672-1201
 B CMX INC
 I 1700 N WATERFRONT PKWY BLDG 300 STE B
 L WICHITA
 L KS US 67206
 T
 O **ATTN:** ACCOUNTS PAYABLE

J LEASE NAME Woelk 1-18
O LOCATION
B COUNTY Russell
S STATE KS
I JOB DESCRIPTION Cement-New Well Casing/Pi
T JOB CONTACT
E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40830697	27463		Net - 30 days	05/08/2015

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 04/06/2015 to 04/06/2015				
0040830697				
171812407A Cement-New Well Casing/Pi 04/06/2015				
Cement 8 5/8 Surface				
Common Cement	170.00	EA	5.76	979.20 T
Celloflake	43.00	EA	1.33	57.28 T
Calcium Chloride	320.00	EA	0.38	120.96 T
"Wooden Cmt Plug, 8 5/8""	1.00	EA	57.60	57.60
"Unit Mileage Chg (PU, cars one way)"	65.00	MI	1.62	105.30
Heavy Equipment Mileage	130.00	MI	2.70	351.00
"Proppant & Bulk Del. Chgs., per ton mil	520.00	EA	0.90	468.00
Depth Charge; 0-500'	1.00	EA	360.00	360.00
Blending & Mixing Service Charge	170.00	BAG	0.50	85.68
Plug Container Util. Chg.	1.00	EA	90.00	90.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	63.00	63.00

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	2,738.02
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	94.33
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	2,832.35
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 12407 A

DATE _____ TICKET NO. _____

DATE OF JOB 04-06-15		DISTRICT Pratt, KS		NEW WELL <input checked="" type="checkbox"/>		OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/>		INJ <input type="checkbox"/>		WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER CNX INC				LEASE Woolk 1-18				WELL NO.							
ADDRESS				COUNTY Russell				STATE KS							
CITY				STATE				SERVICE CREW Sullivan, Frayer, Bender							
AUTHORIZED BY				JOB TYPE: CNW 8 7/8 Sand											
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME					
27463	20						4-6-15			6:00					
21010	20									7:40					
										11:30					
										11:55					
										12:30					
						MILES FROM STATION TO WELL				6-					

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: [Signature]
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 100 c	concrete cement	sk	170		2700 00
CC 102	cellulose	lb	43		159 10
CC 109	calcium chloride	lb	320		336 00
CF 153	TOP WOODEN PLY 8 5/8	SA	1		160 00
E 100	rubber mat	m	65		292 50
E 101	Hydro Grit	m	130		975 00
E 113	Bulk Nylon Tr	TM	520		1300 00
CE 300	Depth (Lug 0-300)	SA	1		1000 00
CE 240	Handy man	SK	170		238 00
PE 504	Plus Counter Detail	SA	1		250 00
S 003	Spacers (open)	SA	1		175 00
SUB TOTAL					7,605 00

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
Discord TOTAL		2,738.02

SERVICE REPRESENTATIVE <u>[Signature]</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>[Signature]</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
FIELD SERVICE ORDER NO.	

BASIC

energy services, L.P.

TREATMENT REPORT

Customer <i>CMX</i>		Lease No.		Date	
Lease <i>Woelk</i>		Well # <i>H18</i>		<i>04 - -15</i>	
Field Order # <i>12407</i>	Station <i>Pratt ks</i>	Casing <i>8 5/8"</i>	Depth <i>269'</i>	County <i>Russell</i>	State <i>KS</i>
Type Job <i>CNW 8 5/8 Surtune</i>			Formation	Legal Description <i>18-13-14</i>	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
<i>8 5/8"</i>							
Depth <i>269'</i>	Depth	From	To	Pre Pad	Max		5 Min.
Volume <i>15'</i>	Volume	From	To	Pad	Min		10 Min.
Max Press <i>350</i>	Max Press	From	To	Frac	Avg		15 Min.
Well Connection <i>P.L.C.</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth <i>247'</i>	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert [Signature]</i>
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Service Units	<i>37900</i>	<i>27463</i>	<i>76959</i>	<i>21010</i>					
Driver Names	<i>Sullivan</i>	<i>Gravac</i>	<i>Boachy</i>						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>9:40</i>					<i>on loc</i>
					<i>Run 8 5/8 csp</i>
<i>11:15</i>					<i>CASING ON BOTTOM</i>
<i>11:25</i>					<i>Hook Up C.C.</i>
<i>11:30</i>				<i>3.0</i>	<i>At SPACER</i>
			<i>36</i>	<i>4</i>	<i>mix cont 170 sb cont 2% cc 4CF</i>
					<i>cont mixed shot down</i>
				<i>3.5</i>	<i>Release Pky</i>
<i>11:55</i>			<i>19</i>		<i>At Spacer</i>
					<i>Play down</i>
					<i>circ 12 BAC cont pit</i>
					<i>SOB - Good to go</i>
					<i>[Signature]</i>



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1000793	1718	04/15/2015
INVOICE NUMBER			
91782958			

Pratt (620) 672-1201
 B CMX INC
 I 1700 N WATERFRONT PKWY BLDG 300 STE B
 L WICHITA
 L KS US 67206
 T
 O **ATTN:** ACCOUNTS PAYABLE

J O B S I T E
LEASE NAME Woelk 1-18
LOCATION
COUNTY Russell
STATE KS
JOB DESCRIPTION Cement-New Well Casing/Pi
JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
40832492	19905		Net - 30 days	05/15/2015	
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 04/13/2015 to 04/13/2015</i>					
0040832492					
171811951A Cement-New Well Casing/Pi 04/13/2015 Cement 5 1/2" Longstring					
AA2 Cement		175.00	EA	11.06	1,936.13 T
60/40 POZ		50.00	EA	7.81	390.48 T
C-41P		33.00	EA	2.60	85.91 T
Salt		810.00	EA	0.33	263.57 T
Cement Friction Reducer		50.00	EA	3.90	195.24 T
FLA-322		83.00	EA	4.88	405.12 T
Gilsonite		875.00	EA	0.44	381.53 T
Mud Flush		500.00	EA	0.98	488.10 T
"Latch Down Plug & Baffle, 5 1/2" (Blu		1.00	EA	260.32	260.32
"Cmt. Shoe Packer Type, 5 1/2" (Red)"		1.00	EA	2,407.97	2,407.97
"Turbolizer, 5 1/2" (Blue)"		10.00	EA	71.59	715.88
"5 1/2" Basket (Blue)"		2.00	EA	188.73	377.46
"5 1/2" Port Collar "		1.00	EA	2,277.80	2,277.80
"Unit Mileage Chg (PU, cars one way)"		65.00	MI	2.93	190.36
Heavy Equipment Mileage		130.00	MI	4.88	634.53
"Proppant & Bulk Del. Chgs., per ton mil		676.00	EA	1.63	1,099.85
Depth Charge; 3001-4000'		1.00	EA	1,405.73	1,405.73
Blending & Mixing Service Charge		225.00	BAG	0.91	205.00
Plug Container Util. Chg.		1.00	EA	162.70	162.70
"Service Supervisor, first 8 hrs on loc.		1.00	EA	113.89	113.89
High Head Charge (Over 6')		1.00	EA	195.24	195.24

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	14,192.81
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	337.91
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	14,530.72
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 11951 A

DATE _____ TICKET NO. _____

DATE OF JOB 4-13-15 DISTRICT Pratt		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER CMX, inc.		LEASE WOELK WELL NO. 1-18							
ADDRESS		COUNTY Russell STATE KS							
CITY STATE		SERVICE CREW MATTAL, McGraw, Gibson							
AUTHORIZED BY		JOB TYPE: cnw 5 1/2 Port collar Long string							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
19905	1						4-13-15	PM	12:00
						ARRIVED AT JOB		AM	3:15
19860	0.5					START OPERATION		AM	8:00
						FINISH OPERATION		PM	8:45
						RELEASED		AM	9:30
						MILES FROM STATION TO WELL			65

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *[Signature]*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ce 503 High Head Charge

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 105	AA-2 cch	SK	175		2,975.00
CP 103	60/40 PZ	SK	50		800.00
CC 105	C-415	lb	33		132.00
CC 111	Salt	lb	910		405.00
CC 112	CMT. F/107; or 10000	lb	50		300.00
CC 129	F19 322	lb	83		627.50
CC 201	Silsonite	lb	875		588.25
CF 607	1/4" Down plug + backfill 5 1/2"	EA	1		400.00
CF 1001	can shoe PKI type 5 1/2"	EA	1		3,700.00
CF 1651	70/40 1.20 5 1/2"	EA	10		1,100.00
CF 1901	Backfill 5 1/2"	EA	2		580.00
CF 481	Port collar 5 1/2"	EA	1		3,500.00
CC 151	Mud flush	gal	500		750.00
E 100	P.U. miles	mi	65		297.50
E 101	Heavy eq. miles	mi	130		975.00
E 113	Prof + bulk del.	TM	676		1,690.00
ce 204	depth charge 3000-4000'	Lhr	1		2,180.00
ce 240	blend + mix charge	SK	225		315.00
ce 504	plug collar	JOB	1		250.00
5003	Supervisor	EA	1		175.00
SUB TOTAL					21,808.25

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		14,192.81

Discounted Total

SERVICE REPRESENTATIVE Mike Mattal	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO.

Customer CMX, inc	Lease No.	Date 4-13-15
Lease Wuelk	Well # 1-18	
Field Order # 11951	Station Pratt	Casing 5 1/2
		Depth 3121
Type Job CNW 5 1/2 port collar long string	Formation RTH 3171	County Russell
		State KS
		Legal Description 18-13S-14W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2				CMH 175 SKS	AA-2	CMX 5.000		
Depth 3121	Depth	From	To	Pre Pad 50 SKS	Max	60/40.002 29.900	5 Min.	
Volume 74.3	Volume	From	To	Pad	Min		10 Min.	
Max Press 1500	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection PC	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 3121	Packer Depth	From	To	Flush 74.3	Gas Volume		Total Load	

Customer Representative Leah KASTAN	Station Manager Kevin Guidry	Treater Mike Mattar
Service Units 37586	27463	19903 19866
Driver Names MATTAR	MORGAN	GIBSON

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
3:15					ON location / Safety Meeting
5:11					Run 5 1/2 15.5 # casing. BACK IN TO 11' 50'
					Tubing on 1, 3, 5, 7, 9, 11, 13, 15, 17, 19
					Basins on 1, + 59, Port collar @ 900' JT 60
6:26					Casing on bottom
6:32					Hook to casing, Break circ w. R19
8:00	1250		.5	-	Set PKV SHAP
8:03	250		12	5.5	Pump 12 bbl mud flush
8:06	250		3	5.5	Pump 3 bbl water
8:09	300		42	5.5	Mix 175 SKS AA-2 @ 15.3 #
8:22			4	3	Wash Pump + Lin, release plug
8:24	200		-	6.5	START Displacement
8:33	350		50	6	Like pressure
8:38	450		64	3	slow rate
8:42	1500		74.3	-	plug down, released + held
					circ. thru job
					JOB COMPLETE
					THANK YOU!
					Mike Mattar
					MIKE + AARON



DRILL STEM TEST REPORT

Prepared For: **CMX Inc.**

1700 N. Waterfront PKWY BLDG 300B
Wichita KS 67206

ATTN: Ken LaBlanc

Woelk #1-18

18-13s-14w Russell,KS

Start Date: 2015.04.10 @ 04:03:00

End Date: 2015.04.10 @ 11:10:00

Job Ticket #: 61985 DST #: 1

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

Printed: 2015.04.15 @ 10:49:14



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

CMX Inc.
1700 N. Waterfront PKWY BLDG 300B
Wichita KS 67206
ATTN: Ken LaBlanc

18-13s-14w Russell,KS
Woelk #1-18
Job Ticket: 61985 **DST#: 1**
Test Start: 2015.04.10 @ 04:03:00

GENERAL INFORMATION:

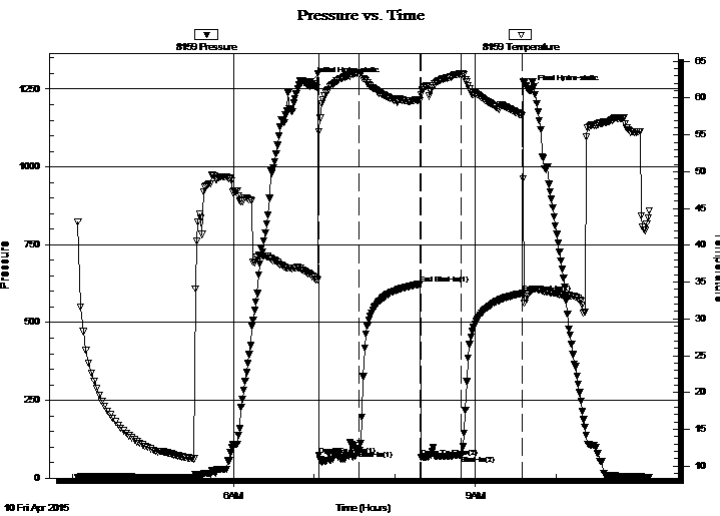
Formation: **LKC "A-B"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:03:30
 Time Test Ended: 11:10:00
 Interval: **2852.00 ft (KB) To 2890.00 ft (KB) (TVD)**
 Total Depth: 2890.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 56
 Reference Elevations: 1687.00 ft (KB)
 1674.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8159

Outside

Press@RunDepth: 74.84 psig @ 2887.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.04.10 End Date: 2015.04.10 Last Calib.: 2015.04.10
 Start Time: 04:04:00 End Time: 11:10:00 Time On Btm: 2015.04.10 @ 06:57:30
 Time Off Btm: 2015.04.10 @ 09:41:30

TEST COMMENT: IFP 30 Minutes. Weak blow built to 1 1/2"
 ISI 45 Minutes. No blow back.
 FFP 30 Minutes. No blow. Flushed tool and gained a weak surface blow.
 FSI 45 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1273.38	35.99	Initial Hydro-static
6	72.82	55.45	Open To Flow (1)
36	88.58	63.32	Shut-In(1)
81	623.69	59.68	End Shut-In(1)
82	67.27	60.48	Open To Flow (2)
112	74.84	63.34	Shut-In(2)
157	593.46	57.60	End Shut-In(2)
164	1247.24	33.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	100% Mud.	0.39

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

CMX Inc.
 1700 N. Waterfront PKWY BLDG 300B
 Wichita KS 67206
 ATTN: Ken LaBlanc

18-13s-14w Russell,KS
Woelk #1-18
 Job Ticket: 61985 **DST#: 1**
 Test Start: 2015.04.10 @ 04:03:00

GENERAL INFORMATION:

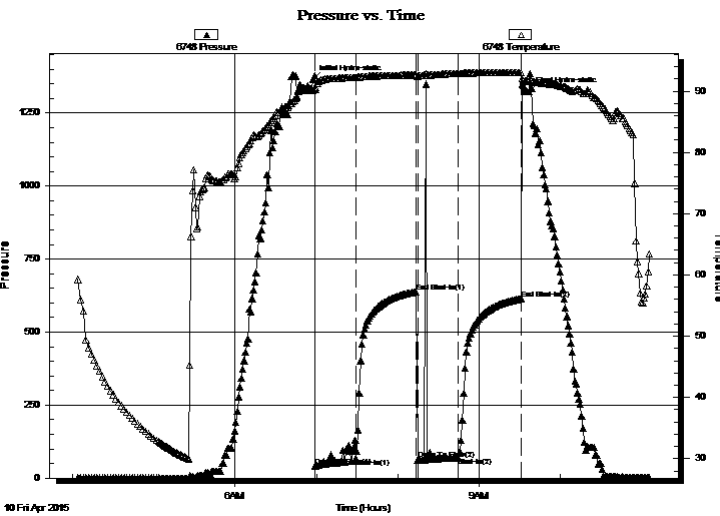
Formation: **LKC "A-B"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:03:30
 Time Test Ended: 11:10:00
 Interval: **2852.00 ft (KB) To 2890.00 ft (KB) (TVD)**
 Total Depth: 2890.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 56
 Reference Elevations: 1687.00 ft (KB)
 1674.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6748

Inside

Press@RunDepth: 614.73 psig @ 2886.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.04.10 End Date: 2015.04.10 Last Calib.: 1899.12.30
 Start Time: 04:04:00 End Time: 11:05:30 Time On Btm: 2015.04.10 @ 06:57:30
 Time Off Btm: 2015.04.10 @ 09:36:30

TEST COMMENT: IFP 30 Minutes. Weak blow built to 1 1/2"
 ISI 45 Minutes. No blow back.
 FFP 30 Minutes. No blow. Flushed tool and gained a weak surface blow.
 FSI 45 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1364.73	90.05	Initial Hydro-static
2	39.51	90.30	Open To Flow (1)
32	67.77	92.25	Shut-In(1)
76	638.35	92.65	End Shut-In(1)
77	63.19	92.47	Open To Flow (2)
107	69.80	92.88	Shut-In(2)
153	614.73	93.06	End Shut-In(2)
159	1323.05	91.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	100% Mud.	0.39

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc.
1700 N. Waterfront PKWY BLDG 300B
Wichita KS 67206
ATTN: Ken LaBlanc

18-13s-14w Russell,KS
Woelk #1-18
Job Ticket: 61985 **DST#: 1**
Test Start: 2015.04.10 @ 04:03:00

Tool Information

Drill Pipe:	Length: 2700.00 ft	Diameter: 3.80 inches	Volume: 37.87 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 152.43 ft	Diameter: 2.25 inches	Volume: 0.75 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 38.62 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	22.43 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	2852.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	60.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut-In Tool	5.00			2835.00	
Hydraulic tool	5.00			2840.00	
Safety Joint	2.00			2842.00	
Top Packer	5.00			2847.00	
Packer	5.00			2852.00	22.00 Bottom Of Top Packer
Anchor	33.00			2885.00	
Recorder	1.00	6748	Inside	2886.00	
Recorder	1.00	8159	Outside	2887.00	
Bull Plug	3.00			2890.00	38.00 Anchor Tool
Total Tool Length:	60.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc.

18-13s-14w Russell,KS

1700 N. Waterfront PKWY BLDG 300B
Wichita KS 67206

Woelk #1-18

Job Ticket: 61985

DST#: 1

ATTN: Ken LaBlanc

Test Start: 2015.04.10 @ 04:03:00

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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 4.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	100% Mud.	0.393

Total Length: 80.00 ft Total Volume: 0.393 bbl

Num Fluid Samples: 0

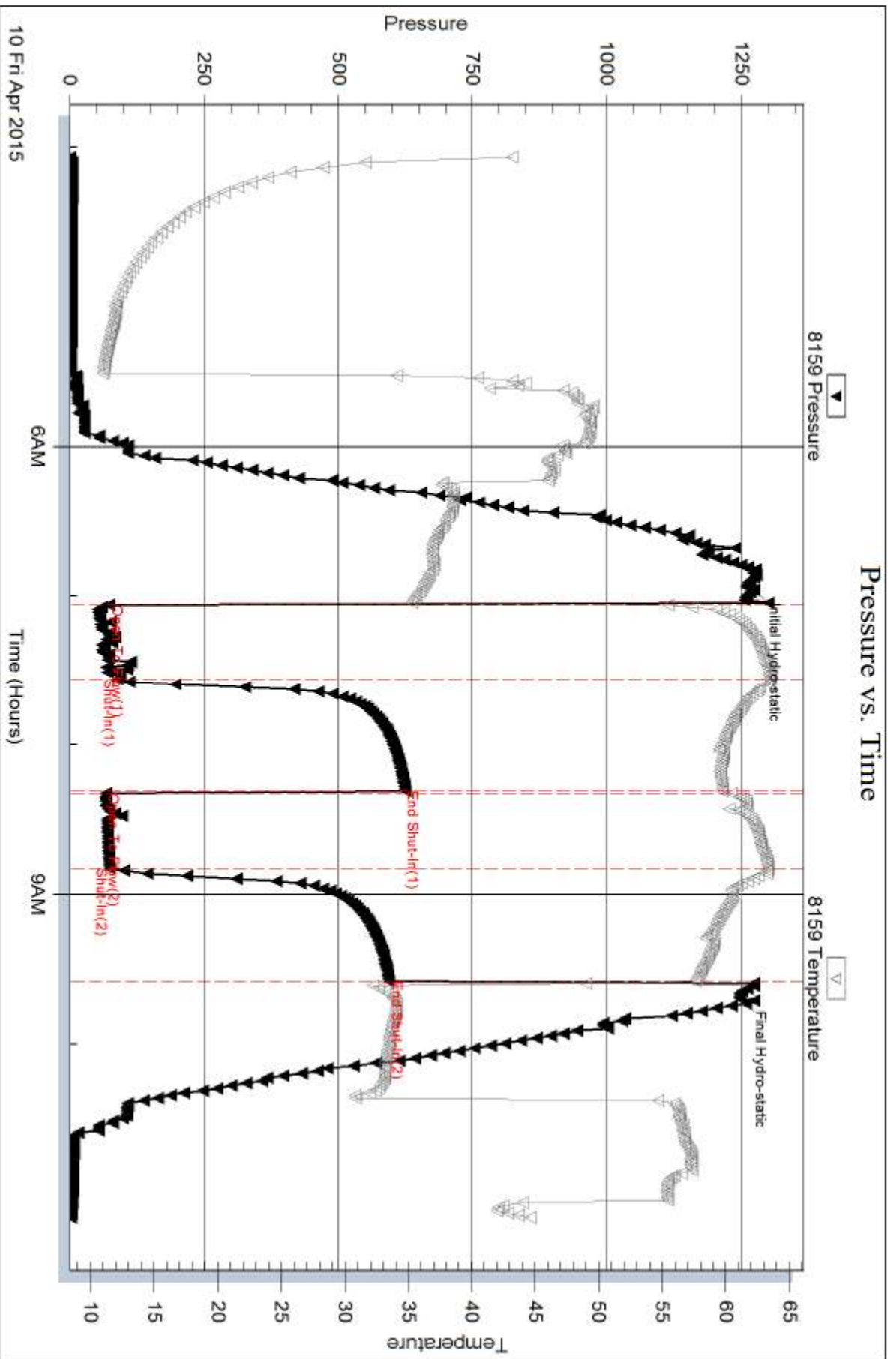
Num Gas Bombs: 0

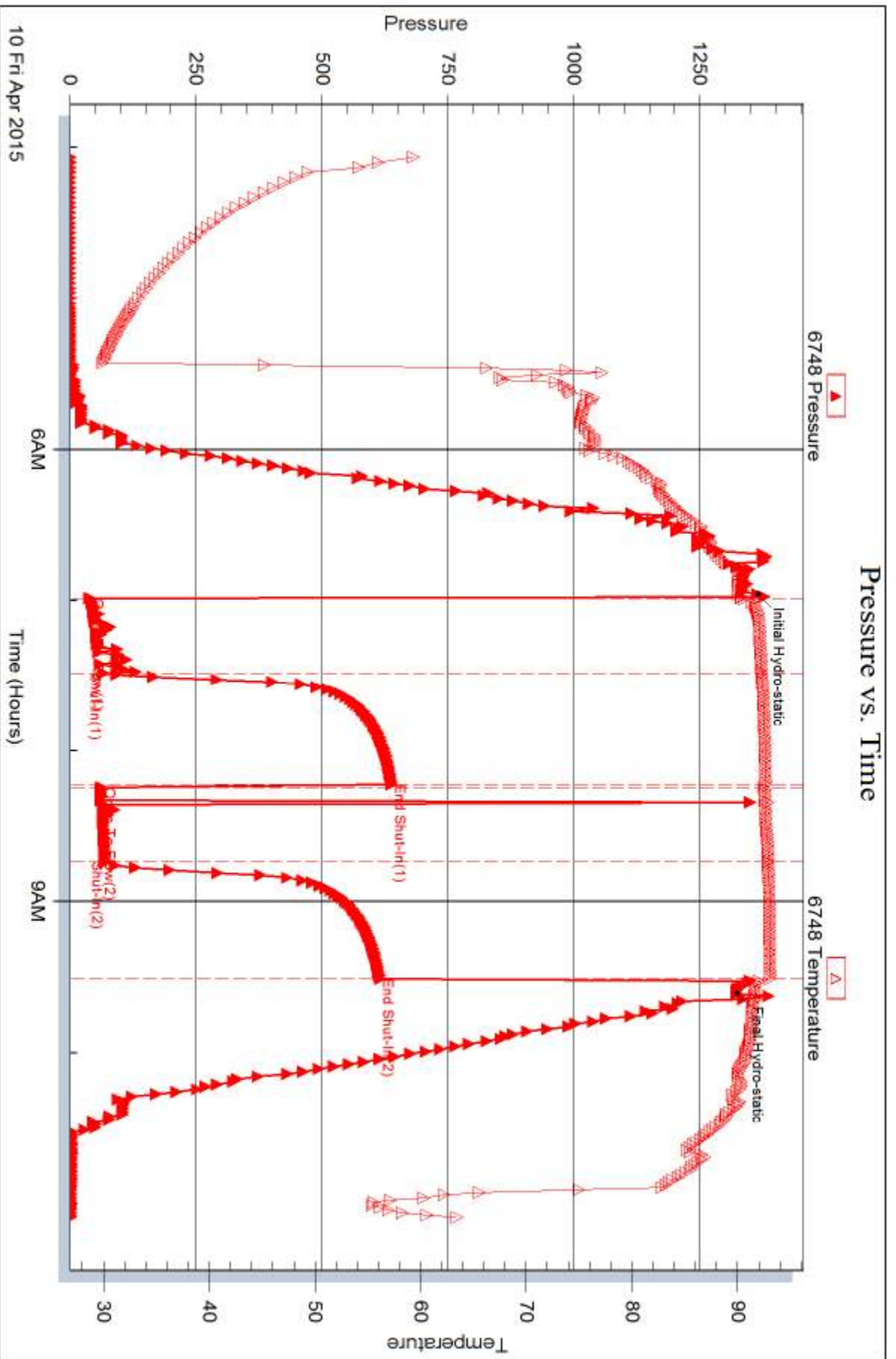
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **CMX Inc.**

1700 N. Waterfront PKWY BLDG 300B
Wichita KS 67206

ATTN: Ken LaBlanc

Woelk #1-18

18-13s-14w Russell,KS

Start Date: 2015.04.11 @ 00:20:00

End Date: 2015.04.11 @ 06:05:30

Job Ticket #: 61986 DST #: 2

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

Printed: 2015.04.15 @ 10:48:43

CMX Inc.
18-13s-14w Russell,KS
Woelk #1-18
DST # 2
LKC "J"
2015.04.11



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

CMX Inc.
 1700 N. Waterfront PKWY BLDG 300B
 Wichita KS 67206
 ATTN: Ken LaBlanc

18-13s-14w Russell,KS
Woelk #1-18
 Job Ticket: 61986 **DST#: 2**
 Test Start: 2015.04.11 @ 00:20:00

GENERAL INFORMATION:

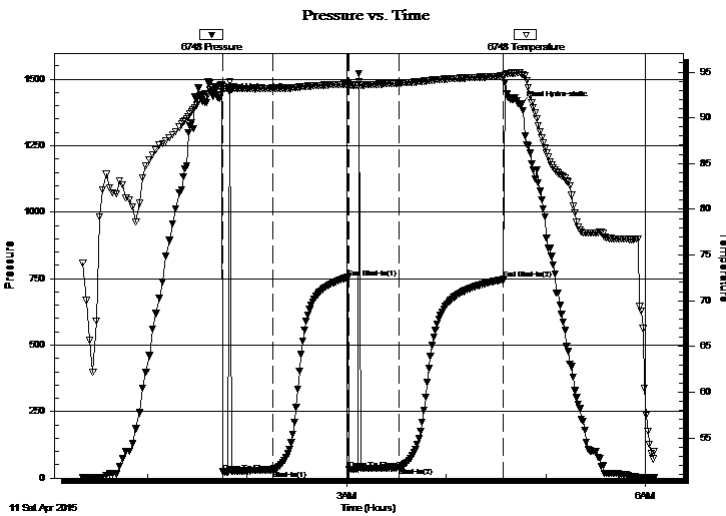
Formation: **LKC "J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:45:30
 Time Test Ended: 06:05:30
 Interval: **3026.00 ft (KB) To 3050.00 ft (KB) (TVD)**
 Total Depth: 3050.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 56
 Reference Elevations: 1687.00 ft (KB)
 1674.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6748

Inside

Press@RunDepth: 39.34 psig @ 3046.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.04.11 End Date: 2015.04.11 Last Calib.: 2015.04.11
 Start Time: 00:21:00 End Time: 06:05:30 Time On Btm: 2015.04.11 @ 01:42:30
 Time Off Btm: 2015.04.11 @ 04:44:30

TEST COMMENT: IFP 30 Minutes. Weak surface blow, flushed tool and blow remained a weak surface blow.
 ISI 45 Minutes. No blow back.
 FFP 30 Minutes. No blow, flushed tool and gained no blow. Gained very weak surface blow at 17 min.
 FSI 60 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1431.49	93.44	Initial Hydro-static
3	23.30	93.23	Open To Flow (1)
33	30.06	93.18	Shut-In(1)
78	754.40	93.69	End Shut-In(1)
79	32.87	93.46	Open To Flow (2)
109	39.34	93.80	Shut-In(2)
172	747.24	94.56	End Shut-In(2)
182	1402.88	94.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% mud with trace of oil.	0.02

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

CMX Inc.
 1700 N. Waterfront PKWY BLDG 300B
 Wichita KS 67206
 ATTN: Ken LaBlanc

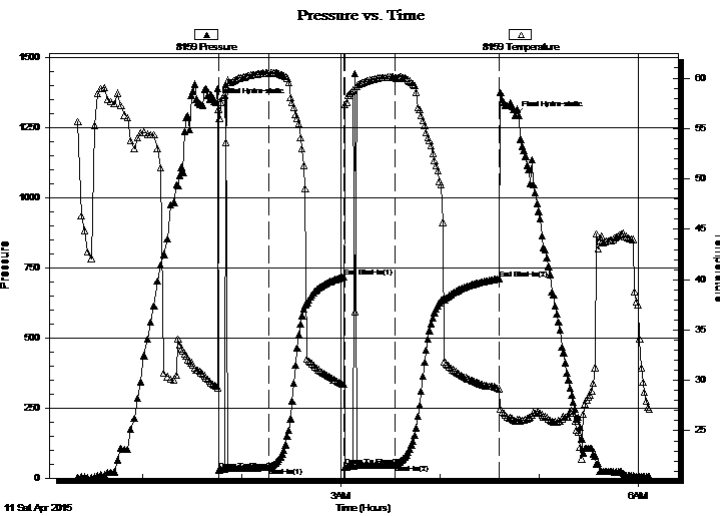
18-13s-14w Russell,KS
Woelk #1-18
 Job Ticket: 61986 **DST#: 2**
 Test Start: 2015.04.11 @ 00:20:00

GENERAL INFORMATION:

Formation: **LKC "J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:45:30
 Time Test Ended: 06:05:30
 Interval: **3026.00 ft (KB) To 3050.00 ft (KB) (TVD)**
 Total Depth: 3050.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 56
 Reference Elevations: 1687.00 ft (KB)
 1674.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8159 Outside
 Press@RunDepth: 712.07 psig @ 3047.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.04.11 End Date: 2015.04.11 Last Calib.: 2015.04.11
 Start Time: 00:21:00 End Time: 06:06:30 Time On Btm: 2015.04.11 @ 01:44:30
 Time Off Btm: 2015.04.11 @ 04:45:30

TEST COMMENT: IFP 30 Minutes. Weak surface blow, flushed tool and blow remained a weak surface blow.
 ISI 45 Minutes. No blow back.
 FFP 30 Minutes. No blow, flushed tool and gained no blow. Gained very weak surface blow at 17 min.
 FSI 60 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1339.59	29.42	Initial Hydro-static
2	29.22	56.92	Open To Flow (1)
32	38.45	60.52	Shut-In(1)
77	717.95	29.63	End Shut-In(1)
78	40.62	57.35	Open To Flow (2)
108	48.15	60.03	Shut-In(2)
171	712.07	29.19	End Shut-In(2)
181	1294.39	25.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% mud with trace of oil.	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc.

18-13s-14w Russell,KS

1700 N. Waterfront PKWY BLDG 300B
Wichita KS 67206

Woelk #1-18

Job Ticket: 61986

DST#: 2

ATTN: Ken LaBlanc

Test Start: 2015.04.11 @ 00:20:00

Tool Information

Drill Pipe:	Length: 2848.00 ft	Diameter: 3.80 inches	Volume: 39.95 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 183.48 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 40.85 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	27.48 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3026.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 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
Shut-In Tool	5.00			3009.00	
Hydraulic tool	5.00			3014.00	
Safety Joint	2.00			3016.00	
Top Packer	5.00			3021.00	
Packer	5.00			3026.00	22.00 Bottom Of Top Packer
Anchor	19.00			3045.00	
Recorder	1.00	6748	Inside	3046.00	
Recorder	1.00	8159	Outside	3047.00	
Bull Plug	3.00			3050.00	24.00 Anchor Tool
Total Tool Length:	46.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc.

18-13s-14w Russell,KS

1700 N. Waterfront PKWY BLDG 300B
Wichita KS 67206

Woelk #1-18

Job Ticket: 61986

DST#: 2

ATTN: Ken LaBlanc

Test Start: 2015.04.11 @ 00:20:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.46 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% mud w ith trace of oil.	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

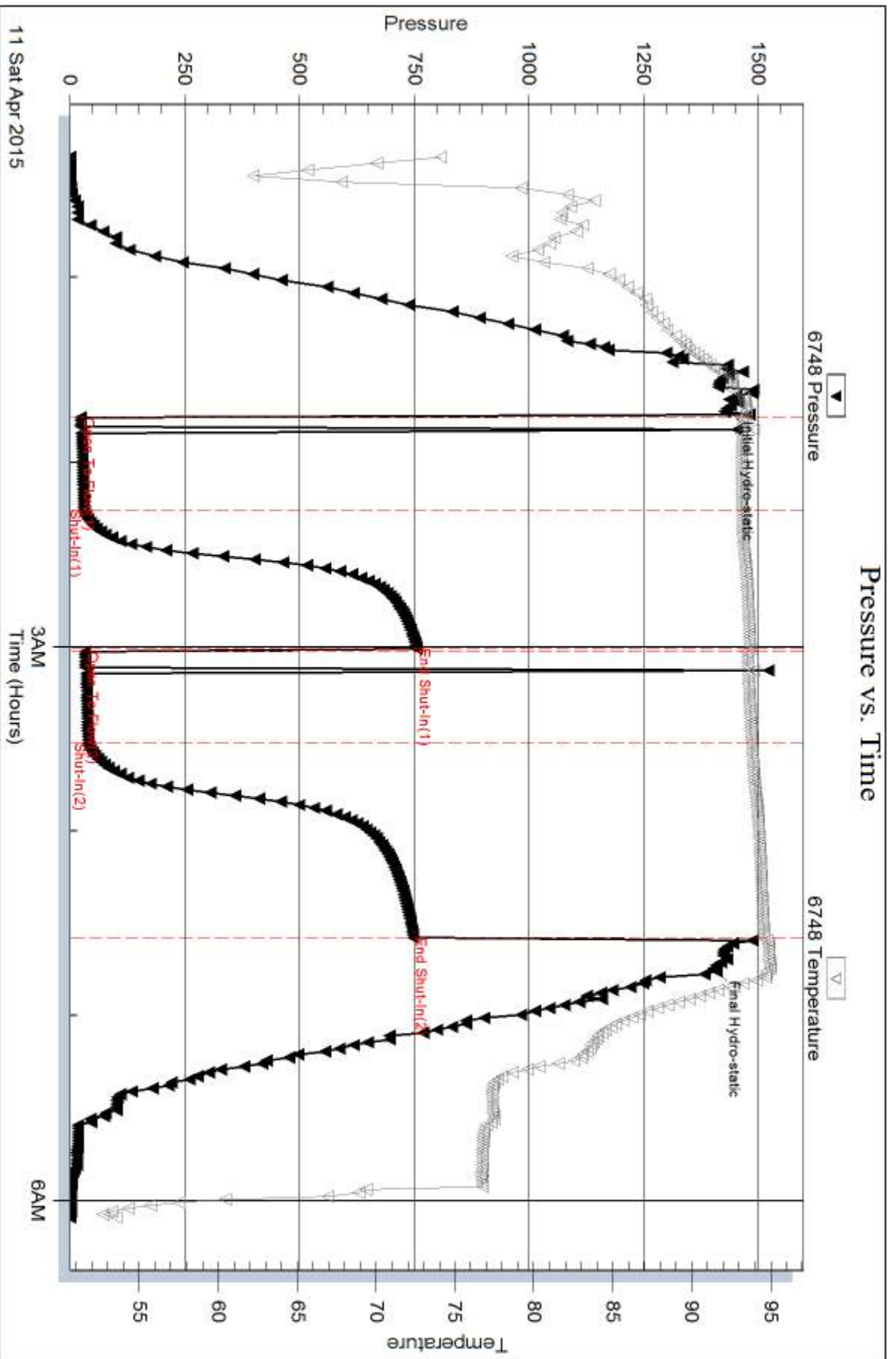
Num Gas Bombs: 0

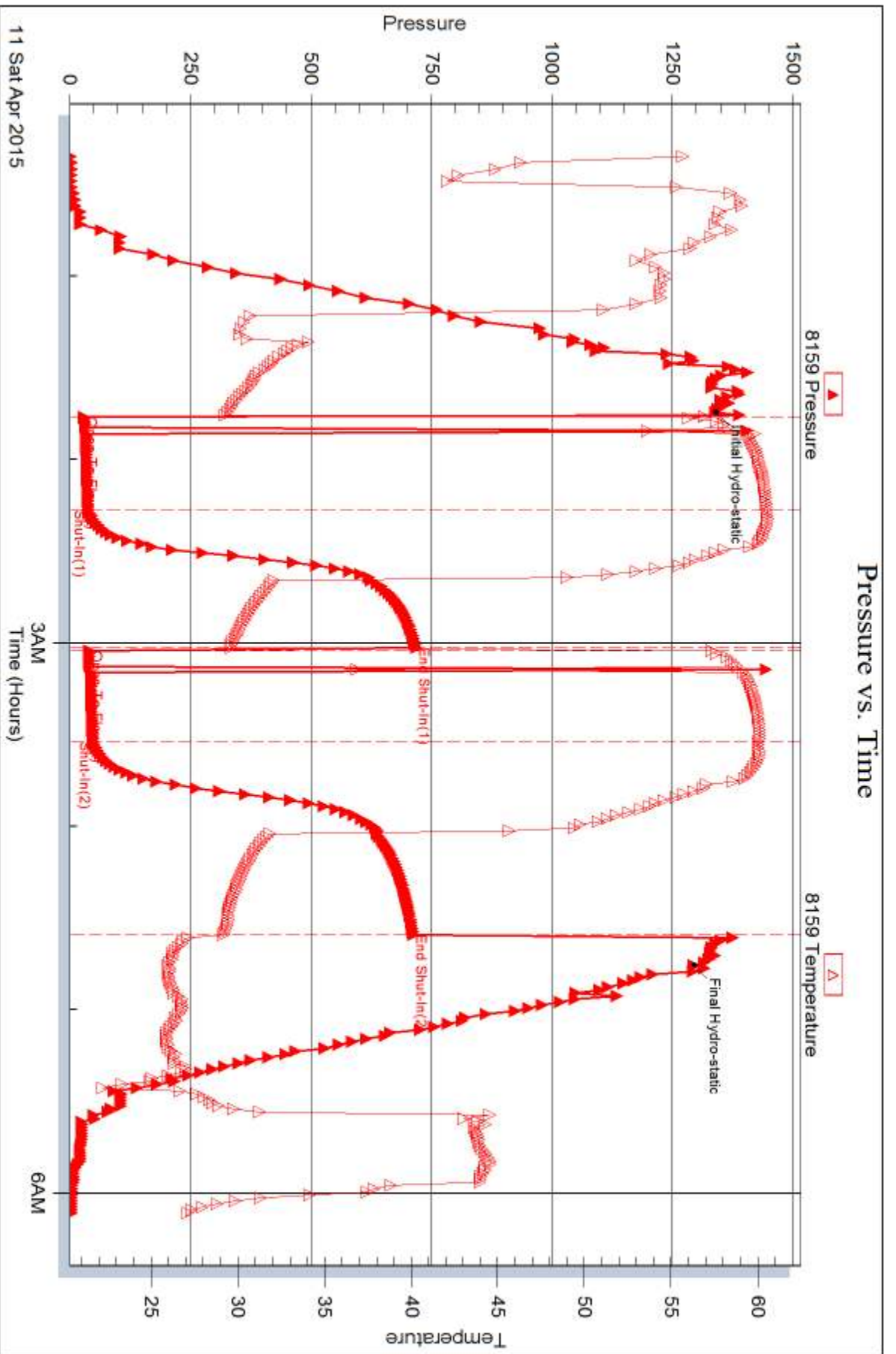
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **CMX Inc.**

1700 N. Waterfront PKWY BLDG 300B
Wichita KS 67206

ATTN: Ken LaBlanc

Woelk #1-18

18-13s-14w Russell,KS

Start Date: 2015.04.11 @ 16:50:00

End Date: 2015.04.11 @ 22:58:00

Job Ticket #: 61987 DST #: 3

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

Printed: 2015.04.15 @ 10:48:10



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

CMX Inc.
 1700 N. Waterfront PKWY BLDG 300B
 Wichita KS 67206
 ATTN: Ken LaBlanc

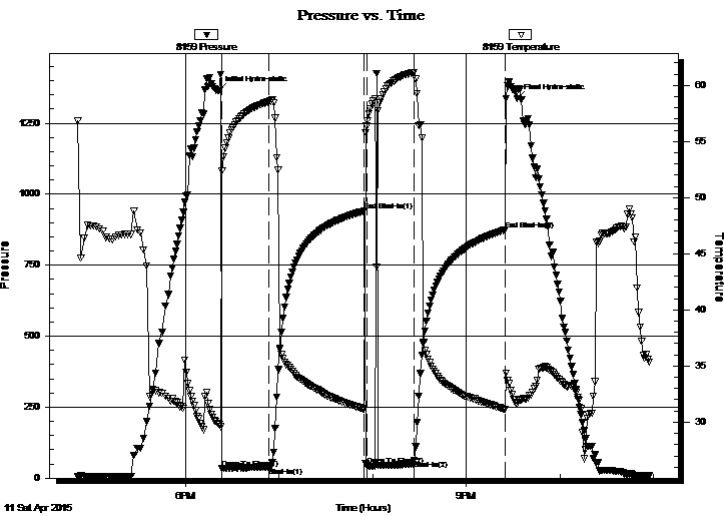
18-13s-14w Russell,KS
Woelk #1-18
 Job Ticket: 61987 **DST#: 3**
 Test Start: 2015.04.11 @ 16:50:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:23:30
 Time Test Ended: 22:58:00
 Interval: **3093.00 ft (KB) To 3120.00 ft (KB) (TVD)**
 Total Depth: 3120.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 56
 Reference Elevations: 1687.00 ft (KB)
 1674.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8159 Inside
 Press@RunDepth: 61.85 psig @ 3116.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.04.11 End Date: 2015.04.11 Last Calib.: 2015.04.12
 Start Time: 16:51:00 End Time: 22:58:00 Time On Btm: 2015.04.11 @ 18:21:30
 Time Off Btm: 2015.04.11 @ 21:32:30

TEST COMMENT: IFP 30 Minutes. Very weak surface blow.
 ISI 60 Minutes. No blow back.
 FFP 30 Minutes. No blow, flushed tool and gained no blow.
 FSI 60 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1365.37	29.80	Initial Hydro-static
2	33.85	52.40	Open To Flow (1)
32	39.21	58.55	Shut-In(1)
93	940.68	31.14	End Shut-In(1)
95	44.60	56.36	Open To Flow (2)
125	61.85	61.16	Shut-In(2)
184	874.86	31.13	End Shut-In(2)
191	1336.65	31.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	100% Clean Oil	0.00
9.00	OCM 2.5% oil, 97.5% Mud	0.04

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

CMX Inc.
1700 N. Waterfront PKWY BLDG 300B
Wichita KS 67206
ATTN: Ken LaBlanc

18-13s-14w Russell,KS
Woelk #1-18
Job Ticket: 61987 **DST#: 3**
Test Start: 2015.04.11 @ 16:50:00

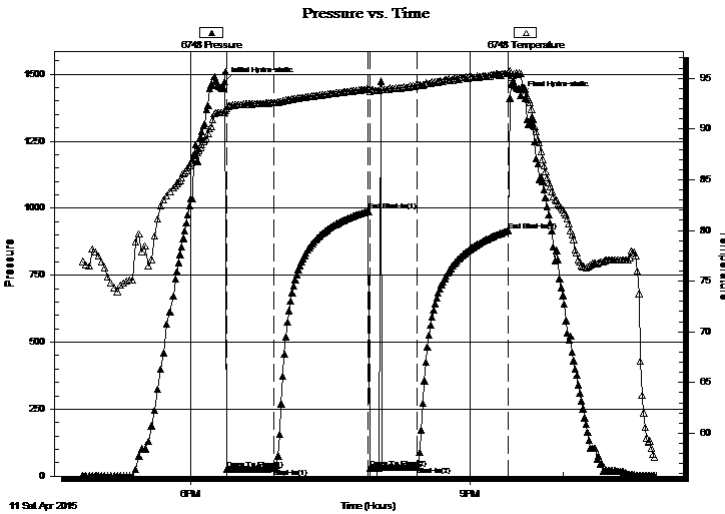
GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:23:30
Time Test Ended: 22:58:00
Interval: **3093.00 ft (KB) To 3120.00 ft (KB) (TVD)**
Total Depth: 3120.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 56
Reference Elevations: 1687.00 ft (KB)
1674.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6748 Outside
Press@RunDepth: 916.69 psig @ 3117.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.04.11 End Date: 2015.04.11 Last Calib.: 2015.04.12
Start Time: 16:51:00 End Time: 22:58:30 Time On Btm: 2015.04.11 @ 18:22:00
Time Off Btm: 2015.04.11 @ 21:32:30

TEST COMMENT: IFP 30 Minutes. Very weak surface blow.
ISI 60 Minutes. No blow back.
FFP 30 Minutes. No blow, flushed tool and gained no blow.
FSI 60 Minutes. No blow back.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1471.99	91.61	Initial Hydro-static
2	25.36	92.00	Open To Flow (1)
32	28.16	92.60	Shut-In(1)
93	988.91	93.93	End Shut-In(1)
94	31.06	93.73	Open To Flow (2)
124	34.77	94.33	Shut-In(2)
183	916.69	95.51	End Shut-In(2)
191	1420.68	95.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	100% Clean Oil	0.00
9.00	OCM 2.5% oil, 97.5% Mud	0.04

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc.

18-13s-14w Russell,KS

1700 N. Waterfront PKWY BLDG 300B
Wichita KS 67206

Woelk #1-18

Job Ticket: 61987

DST#: 3

ATTN: Ken LaBlanc

Test Start: 2015.04.11 @ 16:50:00

Tool Information

Drill Pipe:	Length: 2918.00 ft	Diameter: 3.80 inches	Volume: 40.93 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 183.48 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 41.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.48 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3093.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 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
Shut-In Tool	5.00			3076.00	
Hydraulic tool	5.00			3081.00	
Safety Joint	2.00			3083.00	
Top Packer	5.00			3088.00	
Packer	5.00			3093.00	22.00 Bottom Of Top Packer
Anchor	22.00			3115.00	
Recorder	1.00	8159	Inside	3116.00	
Recorder	1.00	6748	Outside	3117.00	
Bull Plug	3.00			3120.00	27.00 Anchor Tool
Total Tool Length:	49.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc.

18-13s-14w Russell,KS

1700 N. Waterfront PKWY BLDG 300B
Wichita KS 67206

Woelk #1-18

Job Ticket: 61987

DST#: 3

ATTN: Ken LaBlanc

Test Start: 2015.04.11 @ 16:50:00

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: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.93 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	100% Clean Oil	0.005
9.00	OCM 2.5% oil, 97.5% Mud	0.044

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

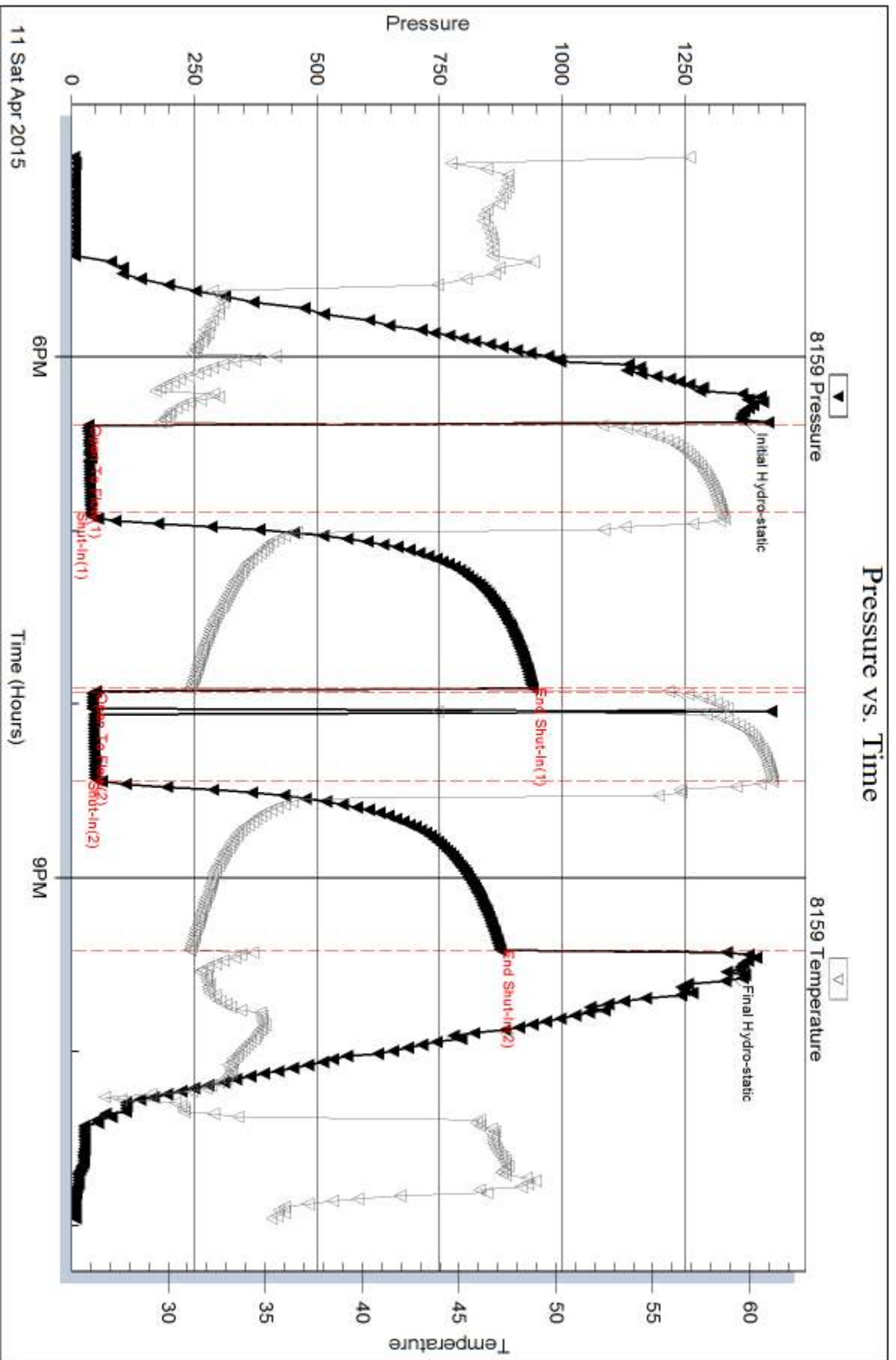
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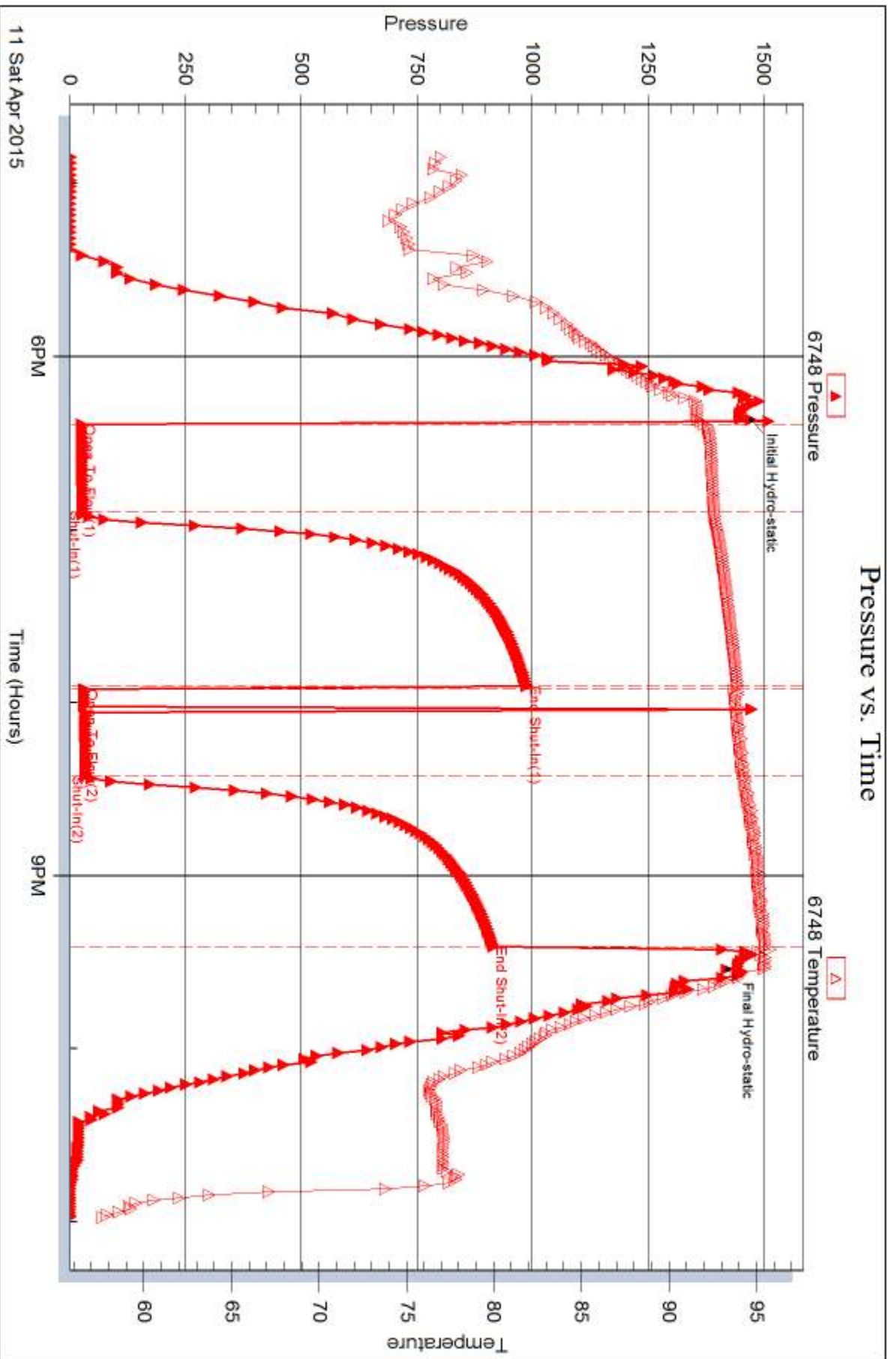
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **CMX Inc.**

1700 N. Waterfront PKWY BLDG 300B
Wichita KS 67206

ATTN: Ken LaBlanc

Woelk #1-18

18-13s-14w Russell,KS

Start Date: 2015.04.12 @ 14:45:00

End Date: 2015.04.12 @ 21:11:53

Job Ticket #: 61988 DST #: 4

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

Printed: 2015.04.15 @ 10:47:38



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

CMX Inc.
 1700 N. Waterfront PKWY BLDG 300B
 Wichita KS 67206
 ATTN: Ken LaBlanc

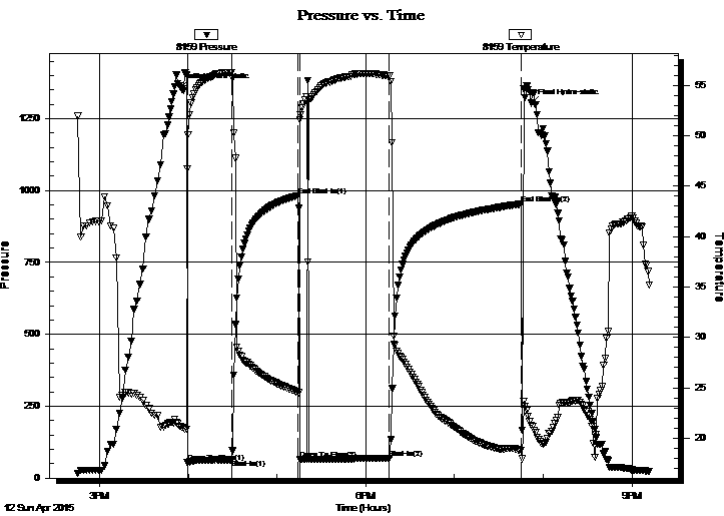
18-13s-14w Russell,KS
Woelk #1-18
 Job Ticket: 61988 **DST#: 4**
 Test Start: 2015.04.12 @ 14:45:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:59:23
 Time Test Ended: 21:11:53
 Interval: **3116.00 ft (KB) To 3126.00 ft (KB) (TVD)**
 Total Depth: 3126.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 56/60/Hays
 Reference Elevations: 1687.00 ft (KB)
 1674.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8159 Outside
 Press@RunDepth: 69.17 psig @ 3123.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.04.12 End Date: 2015.04.12 Last Calib.: 2015.04.12
 Start Time: 14:45:23 End Time: 21:11:53 Time On Btm: 2015.04.12 @ 15:54:53
 Time Off Btm: 2015.04.12 @ 19:51:53

TEST COMMENT: IFP 30 Minutes. Weak blow built to 1 inch into bucket of water.
 ISI 45 Minutes. No blow back.
 FFP 60 Minutes. No blow, flushed tool had good flush bubbles and gained no blow.
 FSI 90 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1358.48	21.18	Initial Hydro-static
5	53.35	46.71	Open To Flow (1)
35	63.81	56.29	Shut-In(1)
79	982.15	24.56	End Shut-In(1)
81	64.46	51.64	Open To Flow (2)
141	69.17	55.93	Shut-In(2)
230	952.92	18.76	End Shut-In(2)
237	1303.43	21.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	100% Clean oil	0.00
9.00	100% mud w ith trace oil.	0.04

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc.

18-13s-14w Russell,KS

1700 N. Waterfront PKWY BLDG 300B
Wichita KS 67206

Woelk #1-18

Job Ticket: 61988

DST#: 4

ATTN: Ken LaBlanc

Test Start: 2015.04.12 @ 14:45:00

Tool Information

Drill Pipe:	Length: 2921.00 ft	Diameter: 3.80 inches	Volume: 40.97 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 183.48 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 41.87 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	10.48 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3116.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	32.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3099.00	
Hydraulic tool	5.00			3104.00	
Safety Joint	2.00			3106.00	
Top Packer	5.00			3111.00	
Packer	5.00			3116.00	22.00 Bottom Of Top Packer
Anchor	5.00			3121.00	
Recorder	1.00	6748	Inside	3122.00	
Recorder	1.00	8159	Outside	3123.00	
Bull Plug	3.00			3126.00	10.00 Anchor Tool
Total Tool Length:	32.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc.

18-13s-14w Russell,KS

1700 N. Waterfront PKWY BLDG 300B
Wichita KS 67206

Woelk #1-18

Job Ticket: 61988

DST#: 4

ATTN: Ken LaBlanc

Test Start: 2015.04.12 @ 14:45:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 44.00 sec/qt
Water Loss: 11.94 in³
Resistivity: ohm.m
Salinity: 6200.00 ppm
Filter Cake: 2.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	100% Clean oil	0.005
9.00	100% mud w ith trace oil.	0.044

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

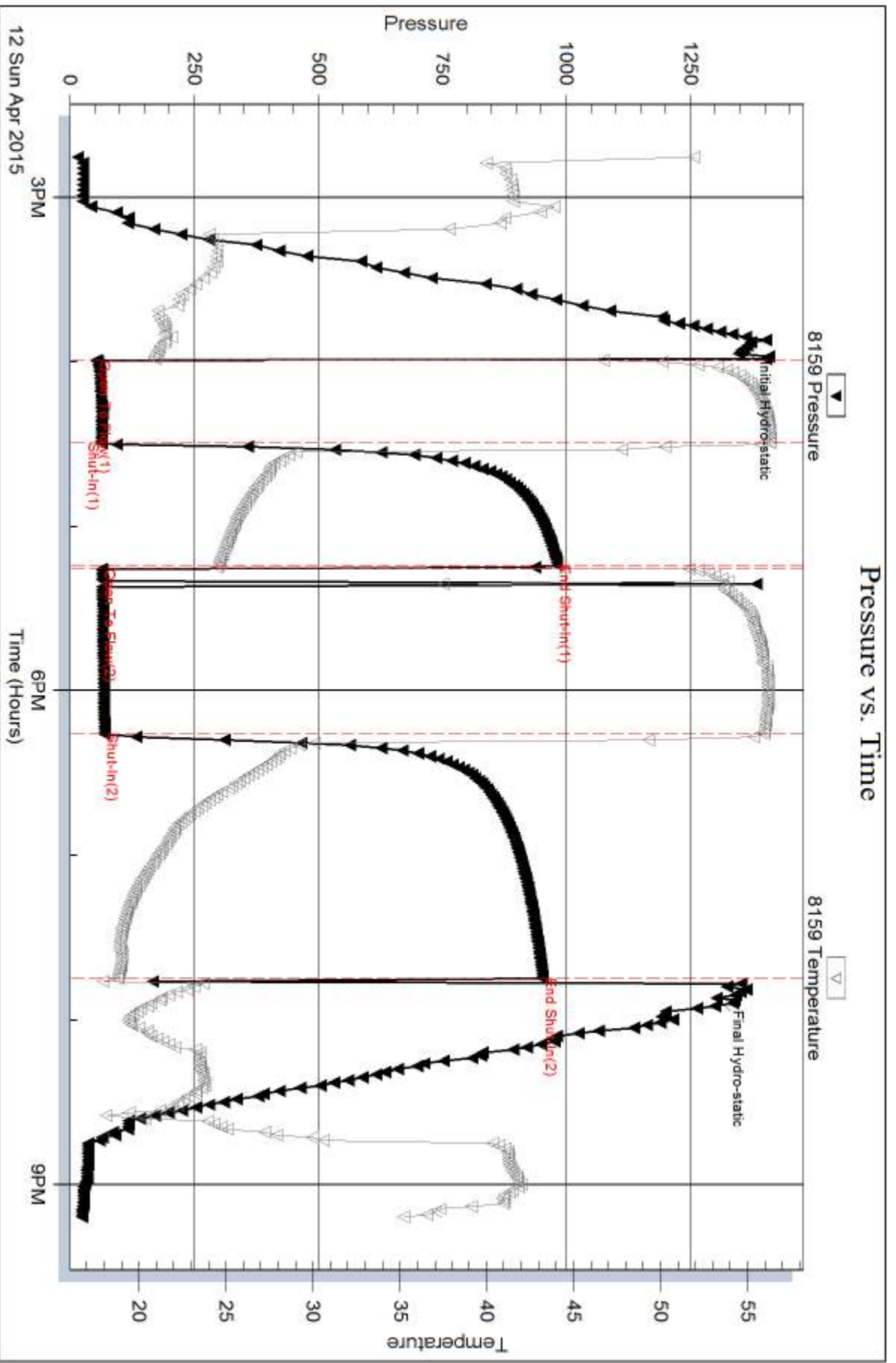
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **CMX Inc.**

1700 N. Waterfront PKWY BLDG 300B
Wichita KS 67206

ATTN: Ken LaBlanc

Woelk #1-18

18-13s-14w Russell,KS

Start Date: 2015.04.13 @ 01:40:00

End Date: 2015.04.13 @ 08:40:30

Job Ticket #: 61989 DST #: 5

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

Printed: 2015.04.15 @ 10:40:12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

CMX Inc.
1700 N. Waterfront PKWY BLDG 300B
Wichita KS 67206
ATTN: Ken LaBlanc

18-13s-14w Russell, KS
Woelk #1-18
Job Ticket: 61989 **DST#: 5**
Test Start: 2015.04.13 @ 01:40:00

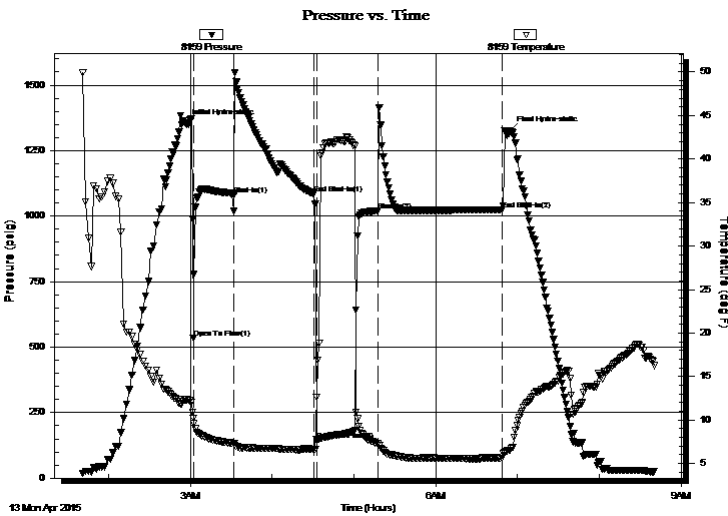
GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:02:00
Time Test Ended: 08:40:30
Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 56/60/Hays
Interval: **3116.00 ft (KB) To 3131.00 ft (KB) (TVD)**
Reference Elevations: 1687.00 ft (KB)
Total Depth: 3131.00 ft (KB) (TVD) 1674.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 13.00 ft

Serial #: 8159 Inside
Press@RunDepth: 1018.77 psig @ 3127.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.04.13 End Date: 2015.04.13 Last Calib.: 2015.04.13
Start Time: 01:41:00 End Time: 08:40:30 Time On Btm: 2015.04.13 @ 02:56:30
Time Off Btm: 2015.04.13 @ 06:54:30

TEST COMMENT: IFP 30 Minutes. Fair blow built to 7 inches into water.
ISI 60 Minutes. No blow back.
FFP 45 Minutes. Fair blow built to 7 inches into water.
FSI 90 Minutes. No blow back.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1353.46	12.35	Initial Hydro-static
6	535.70	10.21	Open To Flow (1)
36	1082.38	7.31	Shut-In(1)
94	1085.81	6.63	End Shut-In(1)
96	145.99	12.61	Open To Flow (2)
141	1018.77	7.28	Shut-In(2)
232	1023.84	5.62	End Shut-In(2)
238	1324.57	6.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	100% Clean oil	0.44
202.00	Oil cut mud. 15% oil, 85% mud.	1.98

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

CMX Inc.
 1700 N. Waterfront PKWY BLDG 300B
 Wichita KS 67206
 ATTN: Ken LaBlanc

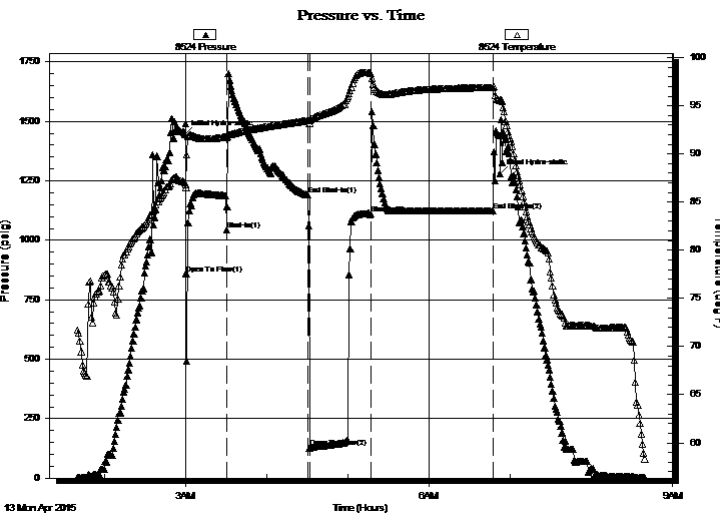
18-13s-14w Russell,KS
Woelk #1-18
 Job Ticket: 61989 **DST#: 5**
 Test Start: 2015.04.13 @ 01:40:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:02:00
 Time Test Ended: 08:40:30
 Interval: **3116.00 ft (KB) To 3131.00 ft (KB) (TVD)**
 Total Depth: 3131.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 56/60/Hays
 Reference Elevations: 1687.00 ft (KB)
 1674.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8524 Outside
 Press@RunDepth: 1124.36 psig @ 3128.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.04.13 End Date: 2015.04.13 Last Calib.: 2015.04.13
 Start Time: 01:40:01 End Time: 08:39:48 Time On Btm: 2015.04.13 @ 02:59:04
 Time Off Btm: 2015.04.13 @ 06:52:03

TEST COMMENT: IFP 30 Minutes. Fair blow built to 7 inches into water.
 ISI 60 Minutes. No blow back.
 FFP 45 Minutes. Fair blow built to 7 inches into water.
 FSI 90 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1445.11	87.02	Initial Hydro-static
2	858.06	86.54	Open To Flow (1)
32	1044.64	91.74	Shut-In(1)
91	1191.75	93.48	End Shut-In(1)
93	127.70	93.21	Open To Flow (2)
138	1112.54	98.38	Shut-In(2)
228	1124.36	96.91	End Shut-In(2)
233	1280.83	95.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	100% Clean oil	0.44
202.00	Oil cut mud. 15% oil, 85% mud.	1.98

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc.
1700 N. Waterfront PKWY BLDG 300B
Wichita KS 67206
ATTN: Ken LaBlanc

18-13s-14w Russell,KS
Woelk #1-18
Job Ticket: 61989 **DST#: 5**
Test Start: 2015.04.13 @ 01:40:00

Tool Information

Drill Pipe:	Length: 2921.00 ft	Diameter: 3.80 inches	Volume: 40.97 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 183.48 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 41.87 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	10.48 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3116.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Shut-In Tool	5.00			3099.00	
Hydraulic tool	5.00			3104.00	
Safety Joint	2.00			3106.00	
Top Packer	5.00			3111.00	
Packer	5.00			3116.00	22.00 Bottom Of Top Packer
Anchor	10.00			3126.00	
Recorder	1.00	8159	Inside	3127.00	
Recorder	1.00	8524	Outside	3128.00	
Bull Plug	3.00			3131.00	15.00 Anchor Tool
Total Tool Length:	37.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc.

18-13s-14w Russell,KS

1700 N. Waterfront PKWY BLDG 300B
Wichita KS 67206

Woelk #1-18

Job Ticket: 61989

DST#: 5

ATTN: Ken LaBlanc

Test Start: 2015.04.13 @ 01:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	100% Clean oil	0.443
202.00	Oil cut mud. 15% oil, 85% mud.	1.982

Total Length: 292.00 ft

Total Volume: 2.425 bbl

Num Fluid Samples: 0

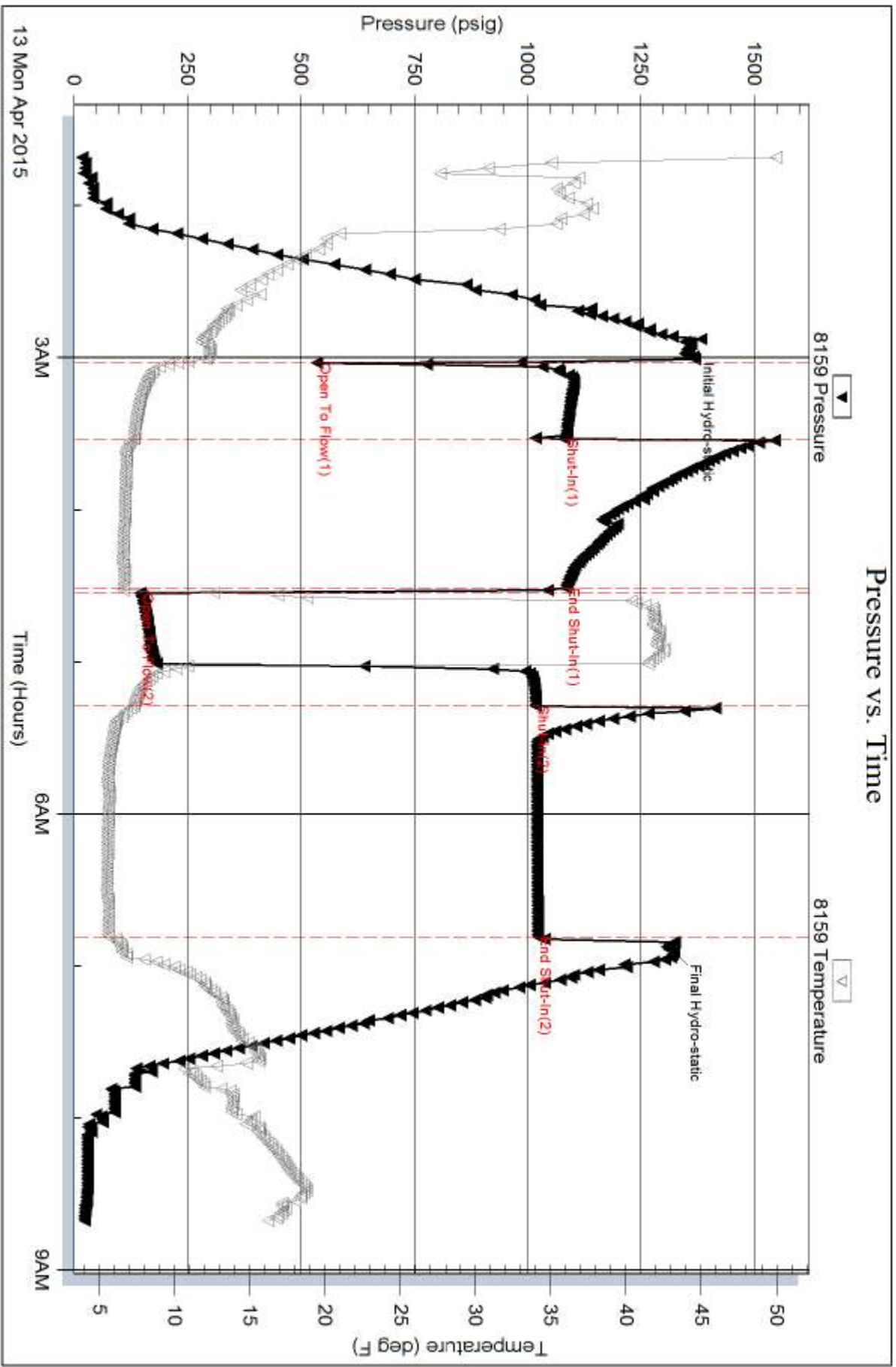
Num Gas Bombs: 0

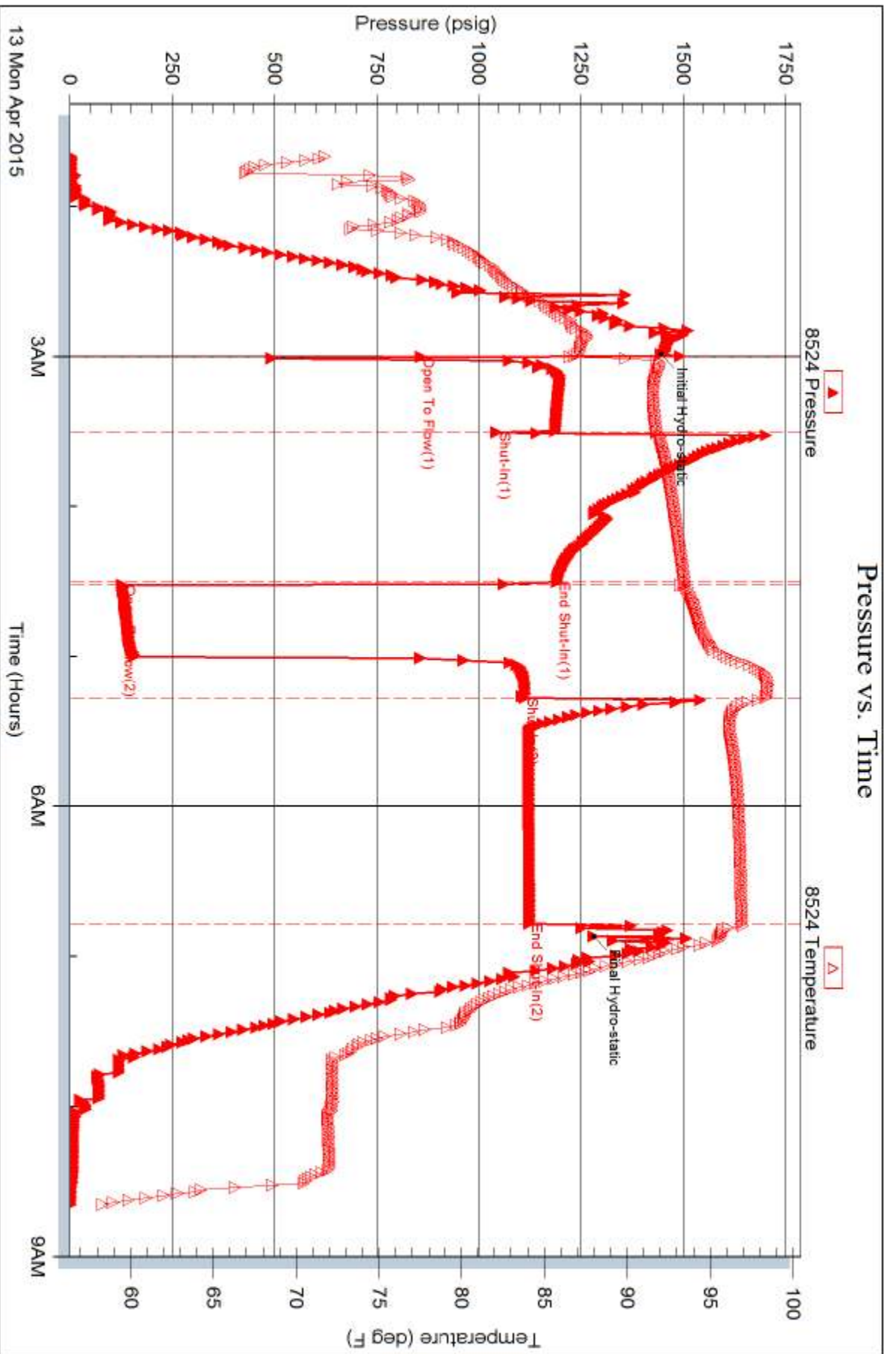
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61985

Well Name & No. Worik # 1-18 Test No. 1 Date 4-13-15
 Company CMX Inc Elevation 1687 KB 1674 GL
 Address 1200 N. Waterfront PKWY BLDG 300B Wichita KS 67206
 Co. Rep / Geo. Ken LaBlanc Rig Duke 7
 Location: Sec. 18 Twp. 13 S Rge. 14 W Co. Russell State KS

Interval Tested 2852-2890 Zone Tested Lansing "A-B"
 Anchor Length 38' Drill Pipe Run 2200 Mud Wt. 8.7
 Top Packer Depth 2847 Drill Collars Run 153.43 Vis _____
 Bottom Packer Depth 2852 Wt. Pipe Run 0 WL 5.0
 Total Depth 2890 Chlorides 1500 ppm System LCM 0
 Blow Description 1st open built to 1 1/2 inches. 1st Shut In - No blow back.
2nd Open - No blow flushed tool gained weak surface blow.
2nd Shut In - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>80</u>	<u>mud</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 Total 80 BHT 93 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1273 Test 1050 T-On Location 0245
 (B) First Initial Flow 22 Jars _____ T-Started 0600
 (C) First Final Flow 88 Safety Joint 75 T-Open 0700
 (D) Initial Shut-In 623 Circ Sub _____ T-Pulled 0930
 (E) Second Initial Flow 67 Hourly Standby _____ T-Out 1100
 (F) Second Final Flow 74 Mileage 60 52 Comments _____
 (G) Final Shut-In 593 Sampler _____
 (H) Final Hydrostatic 1247 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1177
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1177

Approved By _____ Our Representative Shane Kegan

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. 61986

Well Name & No. Woeik #1-18 Test No. 2 Date 4-11-15
 Company cmx Inc. Elevation 1687 KB 1674 GL
 Address 1700 N. Waterfront PKWY BLDG 300B Wichita KS 67206
 Co. Rep / Geo. Ken Lablanc Rig Duke 7
 Location: Sec. 18 Twp. 13s Rge. 14w Co. Russell State KS

Interval Tested 3026-3050 Zone Tested Lansing T
 Anchor Length 24 Drill Pipe Run 2848 Mud Wt. 8.9
 Top Packer Depth 3021 Drill Collars Run 183.48 Vis 53
 Bottom Packer Depth 3026 Wt. Pipe Run 0 WL 7.5
 Total Depth 3050 Chlorides 5,000 ppm System LCM 0#

Blow Description 1st Open - weak surface blow, flushed tool and blow remained weak surface blow. 1st shut in - No blow back. 2nd Open - No blow, flushed & gained no blow, gained very weak surface blow at 17 minutes. 2nd shut in - No blow back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>mud w/Trace Oil</u>		<u>F</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 5 BHT 95 Gravity 1050 API RW 1 @ 1 °F Chlorides 1 ppm

(A) Initial Hydrostatic 1431 Test 1050 T-On Location 0000
 (B) First Initial Flow 23 Jars 0030
 (C) First Final Flow 30 Safety Joint 75 T-Open 0135
 (D) Initial Shut-In 754 Circ Sub 0420
 (E) Second Initial Flow 32 Hourly Standby 0545
 (F) Second Final Flow 39 Mileage 60 52
 (G) Final Shut-In 747 Sampler
 (H) Final Hydrostatic 1402 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1177

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1177
 MP/DST Disc't 8159/6748

Approved By _____ Our Representative Shan Kay

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. 61987

Well Name & No. Woelk #1-18 Test No. 3 Date 4-11-15
 Company SMX Inc Elevation 1687 KB 1674 GL
 Address 1700 N. Waterfront PKWY BLDG 300B Wichita KS 67206
 Co. Rep / Geo. Ken LaBlanc Rig Duka 7
 Location: Sec. 18 Twp. 13S Rge. 14W Co. Russell State KS

Interval Tested 3093 - 3120 Zone Tested Arbuckle
 Anchor Length ~~3088~~ 27 Drill Pipe Run 2918 Mud Wt. 8.7
 Top Packer Depth ~~3093~~ 3088 Drill Collars Run 183.48 Vis 4.5
 Bottom Packer Depth ~~3120~~ 3093 Wt. Pipe Run 0 WL 10
 Total Depth 3120 Chlorides 5,000 ppm System LCM 0
 Blow Description 1st Open - very weak surface blow. 1st open - No blow back. 2nd open - No blow, flushed tool gained no blow. 2nd shut In - No blow back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Clean oil</u>	<u>100</u>			
<u>9</u>	<u>oil cut mud</u>	<u>2.5</u>		<u>97.5</u>	

Rec Total 10 BHT _____ Gravity 1 API RW 1 @ 1 °F Chlorides _____ ppm

(A) Initial Hydrostatic 1365 Test 1050 T-On Location 1695
 (B) First Initial Flow 33 Jars _____ T-Started 1720
 (C) First Final Flow 39 Safety Joint 75 T-Open 1820
 (D) Initial Shut-In 940 Circ Sub _____ T-Pulled 2120
 (E) Second Initial Flow 44 Hourly Standby _____ T-Out 2230
 (F) Second Final Flow 61 Mileage 60 ⁵² Comments _____
 (G) Final Shut-In 874 Sampler _____
 (H) Final Hydrostatic 1336 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 60 Day Standby _____ Total 1177
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1177

Approved By _____ Our Representative [Signature]

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61988

Well Name & No. Waelk # 1-18 Test No. 4 Date 4-12-15
 Company CMX Inc. Elevation 1687 KB 1674 GL
 Address 1700 N. Waterfront BLVD BLDG 300B Wichita KS 67206
 Co. Rep / Geo. Ken LaBlanc Rig Duke #7
 Location: Sec. 18 Twp. 13S Rge. 14W Co. Russell State KS

Interval Tested 3116-3126 Zone Tested Arbuckle
 Anchor Length 10 Drill Pipe Run 2921 Mud Wt. 8.7
 Top Packer Depth 3111 Drill Collars Run 183.48 Vis 44
 Bottom Packer Depth 3116 Wt. Pipe Run 8 WL 12.0
 Total Depth 3120 Chlorides 6,200 ppm System LCM 0TH
 Blow Description 1st Open - 1 inch blow. 1st Shut In. No blow back. 2nd Open - No blow
flushed tool, good flush bubbles and gained no blow. 2nd Shut In - No
blow back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>clean oil</u>	<u>100</u>			
<u>9</u>	<u>Mud with Trace of oil</u>	<u>T</u>		<u>100</u>	

Rec Total 10 BHT _____ Gravity 1 API RW 1 @ 1 ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1358 Test 850 T-On Location 1440
 (B) First Initial Flow 53 Jars _____ T-Started 1450
 (C) First Final Flow 63 Safety Joint 75 T-Open 1600
 (D) Initial Shut-In 982 Circ Sub _____ T-Pulled 1945
 (E) Second Initial Flow 64 Hourly Standby _____ T-Out 2110
 (F) Second Final Flow 69 Mileage 60 52 Comments _____
 (G) Final Shut-In 952 Sampler _____
 (H) Final Hydrostatic 1303 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1177
 Final Flow 60 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 90 Sub Total _____

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

8524 / 8159
0140

Test Ticket

NO. 61989

Well Name & No. Hoek # 1-18 Test No. 5 Date 4-13-15
 Company cmx, Inc. Elevation 1687 KB 1674 GL
 Address 1700 N. Waterfront Blvd Bldg 300 B Wichita KS 67209
 Co. Rep / Geo. Ken LaBlanc Rig Duke 7
 Location: Sec. 18 Twp. 13 S Rge. 14 W Co. Russell State KS

Interval Tested 3116-3131 Zone Tested Arbuckle
 Anchor Length 15 Drill Pipe Run 2921 Mud Wt. 8.7
 Top Packer Depth 3111 Drill Collars Run 183.48 Vis 44
 Bottom Packer Depth 3116 Wt. Pipe Run 0 WL 12.0
 Total Depth 3131 Chlorides 6200 ppm System LCM 0 #
 Blow Description 1st Open - fair blow built to 7 inches. 1st Shut In - No blow back.
2nd Open - fair blow built to 7 inches. 2nd Shut In - No blow back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>clean oil</u>	<u>100</u>			
<u>202</u>	<u>oil cut mt</u>	<u>15</u>			<u>85</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 292 BHT _____ Gravity 34 API RW 1 @ 1 °F Chlorides 1 ppm

(A) Initial Hydrostatic 1353 Test 1050 T-On Location 0145
 (B) First Initial Flow 535 Jars _____ T-Started 0215
 (C) First Final Flow 1082 Safety Joint 75 T-Open 0320
 (D) Initial Shut-In 1085 Circ Sub _____ T-Pulled 0705
 (E) Second Initial Flow 145 Hourly Standby _____ T-Out 0845
 (F) Second Final Flow 1018 Mileage 60 52 Comments _____
 (G) Final Shut-In 1023 Sampler _____
 (H) Final Hydrostatic 1324 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1177

Initial Open 30
 Initial Shut-In 60
 Final Flow 45
 Final Shut-In 90

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1177
 MP/DST Disc't _____

Approved By _____ Our Representative Shae Koger

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.