

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) (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	CMX, Inc.
Well Name	COATS KNOB 1-25
Doc ID	1347550

All Electric Logs Run

Neutron Density
Induction
Sonic
Microresistivity



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1000793	1718	02/27/2017
INVOICE NUMBER			
92360459			

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 Coats Knob 1-25
 O LOCATION
 B COUNTY Pratt
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41004476	19843		Net - 30 days	03/29/2017

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 02/18/2017 to 02/18/2017</i>				
0041004476				
171814750A Cement-New Well Casing/Pi 02/18/2017 Cement 13 3/8 Surface				
60/40 POZ	320.00	EA	6.84	2,188.80 T
Celloflake	81.00	EA	2.11	170.83 T
Calcium Chloride	828.00	EA	0.60	495.56 T
"Unit Mileage Chg (PU, cars one way)"	15.00	MI	2.56	38.47
Heavy Equipment Mileage	30.00	MI	4.28	128.25
"Proppant & Bulk Del. Chgs., per ton mil	207.00	EA	1.42	294.97
Blending & Mixing Service Charge	320.00	BAG	0.80	255.36
Depth Charge; 0-500'	1.00	EA	570.00	570.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	99.76	99.76

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	4,242.00
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	235.55
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	4,477.55
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 14750 A

25-295-14W

DATE _____ TICKET NO. _____

DATE OF JOB <u>2/18/2017</u> DISTRICT <u>P19302KS</u>				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 <u>CMX Inc.</u>				LEASE <u>COSKS Knob</u> WELL NO. <u>1-25</u>																	
ADDRESS				COUNTY <u>P99+</u> STATE <u>KS</u>																	
CITY STATE				SERVICE CREW <u>Dolan, McGraw, Shoun</u>																	
AUTHORIZED BY				JOB TYPE: <u>Z42/13^{3/8} SUR/SCO</u>																	
EQUIPMENT#		HRS		EQUIPMENT#		HRS		EQUIPMENT#		HRS		TRUCK CALLED		DATE		AM		PM		TIME	
<u>19843</u>		<u>3/4</u>		<u>19860</u>		<u>1/2</u>								<u>2/18</u>		<u>AM</u>		<u>PM</u>		<u>12:30</u>	

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: Dion Vozy
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP103	60/40 PO2	SK	320		3,840.00
CC109	CSIC (w) Chloride	Lb	828		869.40
CC102	Cellophane	Lb	81		299.70
FKX	Unit - mileage Chaise - Pickups, Service, etc.	M	15		67.50
F101	Meser Equipment m-lease	M	30		225.00
F113	P19302 9nd Bulk Del. unit, Chaises per unit	Total	207		517.50
CE200	Dolan Chaise, 0-300	Yr	1		1,000.00
CE240	Blend of 2 m. of Service Chaise	SK	320		448.00
SC03	Service Supervisor, 1 hr - 8 hrs on loc	Fr	1		175.00

SUB TOTAL 7,442 10

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$

TOTAL 4,292 00
DLS

SERVICE REPRESENTATIVE Dion Vozy THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Dion Vozy
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

BASIC

energy services, L.P.

TREATMENT REPORT

Customer CMX, Inc.	Lease No.	Date 2/18/2017	
Lease CORR Knob	Well # 1-25		
Field Order # 14730	Station Pratt, KS	Casing 13 3/8	Depth 315
Type Job 242/13 3/8 SURFACE	Formation TD-315	County Pratt	State KS
Legal Description 25-29s-14w			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
13 3/8				Pre Pad		Max		5 Min.
Depth 315	Depth	From	To	Pad		Min		10 Min.
Volume 49	Volume	From	To	Frac		Avg		15 Min.
Max Press	Max Press	From	To			HHP Used		Annulus Pressure
Well Connection	Annulus Vol.	From	To	Flush Freshwater		Gas Volume		Total Load
Plug Depth 295	Packer Depth	From	To					

Customer Representative Deon	Station Manager David Scott	Treater Darin Franklin
Service Units 92911 84981 19843 84980 19860		
Driver Names Darin McGrew McGrew Shun Shun		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:00pm					On location / Safety meeting 13 3/8 casing set at 315'
					320SK 60/40 P02, 2% Gel, 3% calcium chloride, .25 pps Celloflor
					14.4 ppg, 1.28 veld, 5.73 wgr
6:00pm	200		3	6	Pipe on bottom & break circulation Pump 3 bbls water
	200		73	6	mix 320SK cement
	200		46	4	D. splic
6:45pm					Shut down
					Cement did circulate - 10 bbls
					Job complete / Darin & crew Thank you!!



DRILL STEM TEST REPORT

Prepared For: **CMX inc**

1700 N Waterfront Pkwy
Bldg 300B
Wichita, KS 67206

ATTN: Ken LeBlanc

Coats Knob #1

25-29S-14W Pratt,KS

Start Date: 2017.02.22 @ 21:15:23

End Date: 2017.02.23 @ 04:18:38

Job Ticket #: 63564 DST #: 1

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

Printed: 2017.02.27 @ 10:53:31

CMX inc
25-29S-14W Pratt,KS
Coats Knob #1
DST # 1
Topeka
2017.02.22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

CMX inc
1700 N Waterfront Pkw y
Bldg 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

25-29S-14W Pratt,KS

Coats Knob #1

Job Ticket: 63564

DST#: 1

Test Start: 2017.02.22 @ 21:15:23

GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:23:08

Time Test Ended: 04:18:38

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 74

Interval: 3598.00 ft (KB) To 3642.00 ft (KB) (TVD)

Reference Elevations: 1945.00 ft (KB)

Total Depth: 3642.00 ft (KB) (TVD)

1937.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8159

Inside

Press@RunDepth: 125.77 psig @ 3599.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.02.22

End Date:

2017.02.23

Last Calib.:

2017.02.23

Start Time:

21:15:24

End Time:

04:18:38

Time On Btm:

2017.02.22 @ 23:22:38

Time Off Btm:

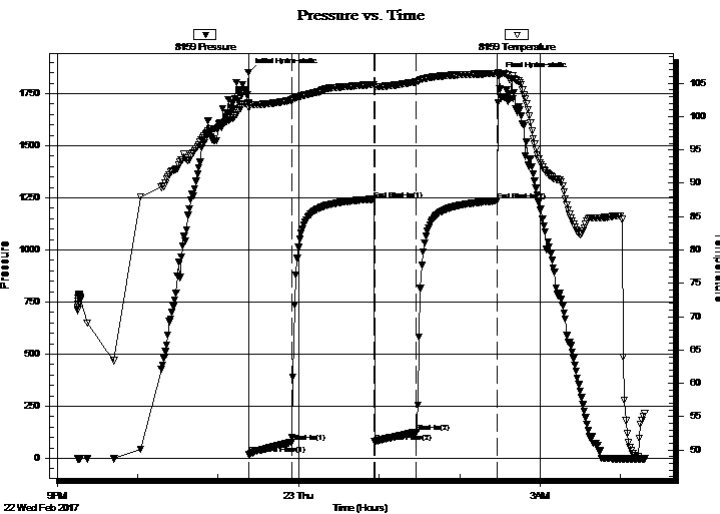
2017.02.23 @ 02:29:08

TEST COMMENT: IF: Fair Blow , Built to 9"

IS: No Blow Back

FF: Fair Blow , Built to 7 1/2"

FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1851.22	102.01	Initial Hydro-static
1	19.68	101.34	Open To Flow (1)
32	77.43	102.45	Shut-In(1)
94	1242.55	104.82	End Shut-In(1)
94	79.36	104.49	Open To Flow (2)
126	125.77	105.21	Shut-In(2)
186	1235.14	106.43	End Shut-In(2)
187	1831.00	106.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	Water	1.77
73.00	GMCW 2%G 28%M 70%W	1.02
1.00	Oil	0.01

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

CMX inc
1700 N Waterfront Pkw y
Bldg 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

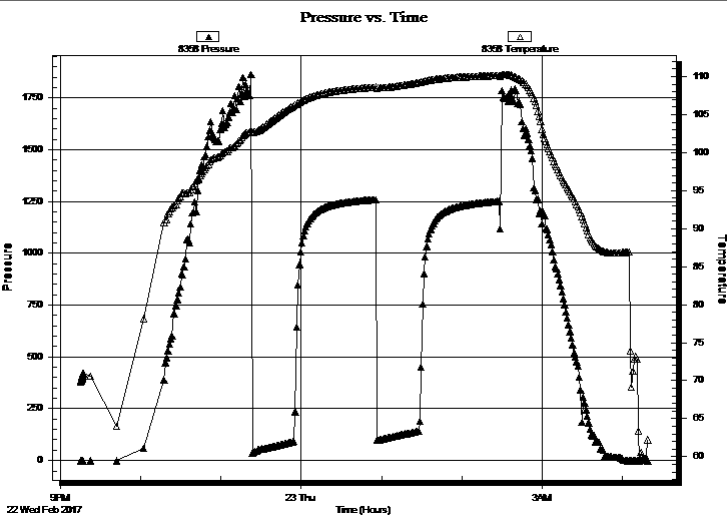
25-29S-14W Pratt, KS
Coats Knob #1
Job Ticket: 63564 **DST#: 1**
Test Start: 2017.02.22 @ 21:15:23

GENERAL INFORMATION:

Formation: **Topeka**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:23:08
Time Test Ended: 04:18:38
Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 74
Interval: **3598.00 ft (KB) To 3642.00 ft (KB) (TVD)**
Reference Elevations: 1945.00 ft (KB)
Total Depth: 3642.00 ft (KB) (TVD) 1937.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 8358 Fluid
Press@RunDepth: psig @ 3599.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2017.02.22 End Date: 2017.02.23 Last Calib.: 2017.02.23
Start Time: 21:15:24 End Time: 04:18:38 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Fair Blow , Built to 9"
IS: No Blow Back
FF: Fair Blow , Built to 7 1/2"
FS: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
126.00	Water	1.77
73.00	GMCW 2%G 28%M 70%W	1.02
1.00	Oil	0.01

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 LeBlanc

25-29S-14W Pratt, KS
Coats Knob #1
Job Ticket: 63564 **DST#: 1**
Test Start: 2017.02.22 @ 21:15:23

Tool Information

Drill Pipe:	Length: 3601.00 ft	Diameter: 3.80 inches	Volume: 50.51 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 50.51 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3598.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	65.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3582.00	
Hydraulic tool	5.00			3587.00	
Safety Joint	2.00			3589.00	
Packer	5.00			3594.00	21.00 Bottom Of Top Packer
Packer	4.00			3598.00	
Stubb	1.00			3599.00	
Recorder	0.00	8159	Inside	3599.00	
Recorder	0.00	6806	Outside	3599.00	
Recorder	0.00	8358	Fluid	3599.00	
Perforations	6.00			3605.00	
Change Over Sub	1.00			3606.00	
Drill Pipe	31.00			3637.00	
Change Over Sub	2.00			3639.00	
Bullnose	3.00			3642.00	44.00 Bottom Packers & Anchor

Total Tool Length: 65.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX inc
1700 N Waterfront Pkw y
Bldg 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

25-29S-14W Pratt,KS
Coats Knob #1
Job Ticket: 63564 **DST#: 1**
Test Start: 2017.02.22 @ 21:15:23

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:	64000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7200.00 ppm			
Filter Cake: 0.02 inches			

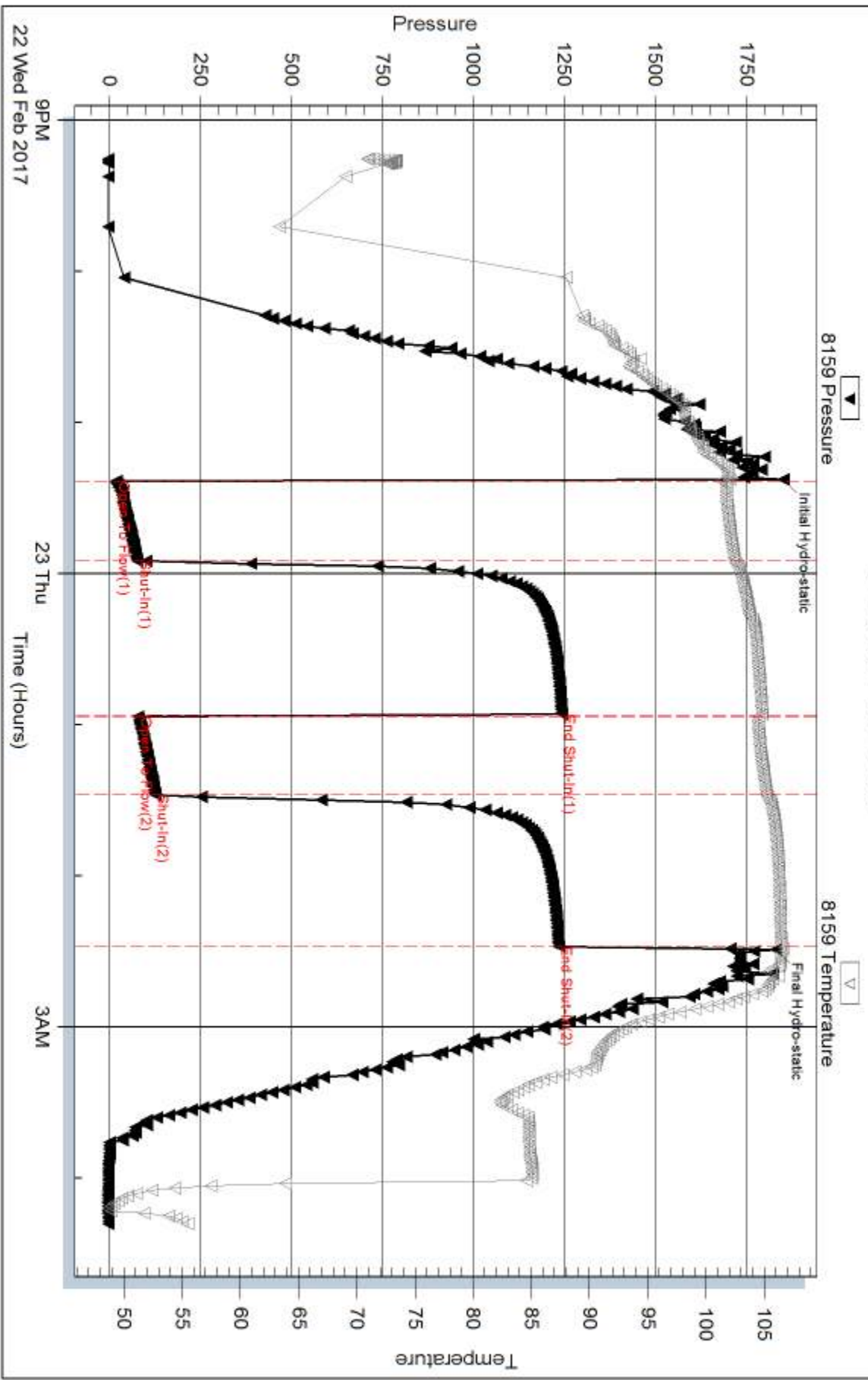
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	Water	1.767
73.00	GMCW 2%G 28%M 70%W	1.024
1.00	Oil	0.014

Total Length: 200.00 ft Total Volume: 2.805 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW w as .2 @ 42 degrees

Pressure vs. Time



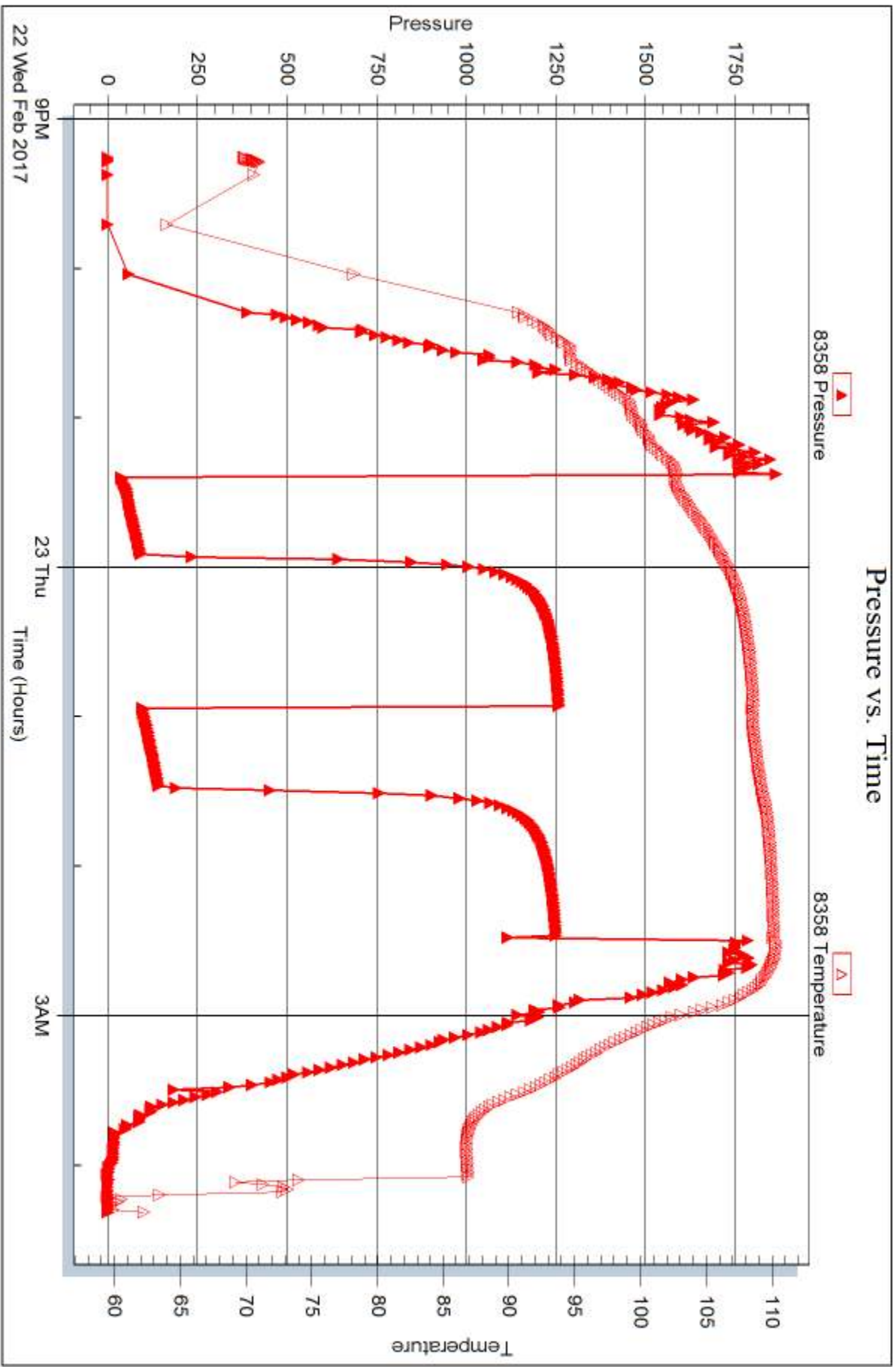
Serial #: 8358

Fluid

CMX inc

Coats Knob #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63564

Printed: 2017.02.27 @ 10:53:32



DRILL STEM TEST REPORT

Prepared For: **CMX inc**

1700 N Waterfront Pkwy
Bldg 300B
Wichita, KS 67206

ATTN: Ken LeBlanc

Coats Knob #1

25-29S-14W Pratt,KS

Start Date: 2017.02.24 @ 13:59:05

End Date: 2017.02.24 @ 20:40:35

Job Ticket #: 63565 DST #: 2

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

Printed: 2017.02.27 @ 10:50:52

CMX inc
25-29S-14W Pratt,KS
Coats Knob #1
DST # 2
LKC "G"
2017.02.24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

CMX inc
1700 N Waterfront Pkw y
Bldg 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

25-29S-14W Pratt,KS

Coats Knob #1

Job Ticket: 63565

DST#: 2

Test Start: 2017.02.24 @ 13:59:05

GENERAL INFORMATION:

Formation: **LKC "G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:39:50
 Time Test Ended: 20:40:35
 Interval: **4116.00 ft (KB) To 4140.00 ft (KB) (TVD)**
 Total Depth: 4140.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 74
 Reference Elevations: 1945.00 ft (KB)
 1937.00 ft (CF)
 KB to GR/CF: 8.00 ft

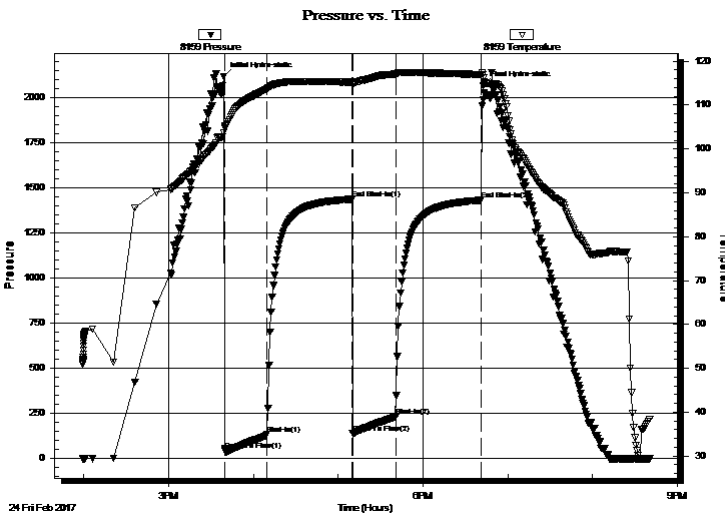
Serial #: 8159

Inside

Press@RunDepth: 231.41 psig @ 4117.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.02.24 End Date: 2017.02.24 Last Calib.: 2017.02.24
 Start Time: 13:59:06 End Time: 20:40:35 Time On Btm: 2017.02.24 @ 15:38:50
 Time Off Btm: 2017.02.24 @ 18:42:50

TEST COMMENT: IF: Strong Blow , BOB in 2 minutes, Died Off to 7"
 IS: No Blow Back
 FF: Fair Blow , BOB in 18 minutes
 FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2116.67	103.65	Initial Hydro-static
1	43.28	105.24	Open To Flow (1)
31	132.36	113.72	Shut-In(1)
91	1436.71	115.22	End Shut-In(1)
92	139.10	114.61	Open To Flow (2)
122	231.41	117.10	Shut-In(2)
183	1431.22	116.96	End Shut-In(2)
184	2064.45	116.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	120 GIP	0.00
315.00	Water	4.42
60.00	OMCW 10%O 30%M 60%W	0.84

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

CMX inc
1700 N Waterfront Pkw y
Bldg 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

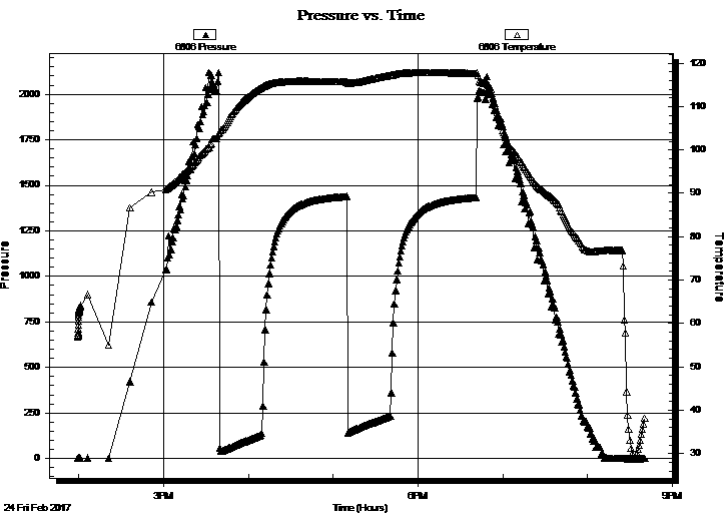
25-29S-14W Pratt,KS
Coats Knob #1
Job Ticket: 63565 **DST#: 2**
Test Start: 2017.02.24 @ 13:59:05

GENERAL INFORMATION:

Formation: **LKC "G"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:39:50
Time Test Ended: 20:40:35
Interval: 4116.00 ft (KB) To 4140.00 ft (KB) (TVD)
Total Depth: 4140.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Reference Elevations: 1945.00 ft (KB)
1937.00 ft (CF)
KB to GR/CF: 8.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Serial #: 6806 Outside
Press@RunDepth: psig @ 4117.00 ft (KB)
Start Date: 2017.02.24 End Date: 2017.02.24 Capacity: 8000.00 psig
Start Time: 13:59:06 End Time: 20:40:35 Last Calib.: 2017.02.24
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong Blow , BOB in 2 minutes, Died Off to 7"
IS: No Blow Back
FF: Fair Blow , BOB in 18 minutes
FS: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	120 GIP	0.00
315.00	Water	4.42
60.00	OMCW 10%O 30%M 60%W	0.84

* Recovery from multiple tests

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 LeBlanc

25-29S-14W Pratt, KS
Coats Knob #1
Job Ticket: 63565 **DST#: 2**
Test Start: 2017.02.24 @ 13:59:05

Tool Information

Drill Pipe:	Length: 4102.00 ft	Diameter: 3.80 inches	Volume: 57.54 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 57.54 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4116.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4100.00	
Hydraulic tool	5.00			4105.00	
Safety Joint	2.00			4107.00	
Packer	5.00			4112.00	21.00 Bottom Of Top Packer
Packer	4.00			4116.00	
Stubb	1.00			4117.00	
Recorder	0.00	8159	Inside	4117.00	
Recorder	0.00	6806	Outside	4117.00	
Perforations	20.00			4137.00	
Bullnose	3.00			4140.00	24.00 Bottom Packers & Anchor
Total Tool Length:	45.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX inc
1700 N Waterfront Pkwy
Bldg 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

25-29S-14W Pratt,KS
Coats Knob #1
Job Ticket: 63565 **DST#: 2**
Test Start: 2017.02.24 @ 13:59:05

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:	75000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7200.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

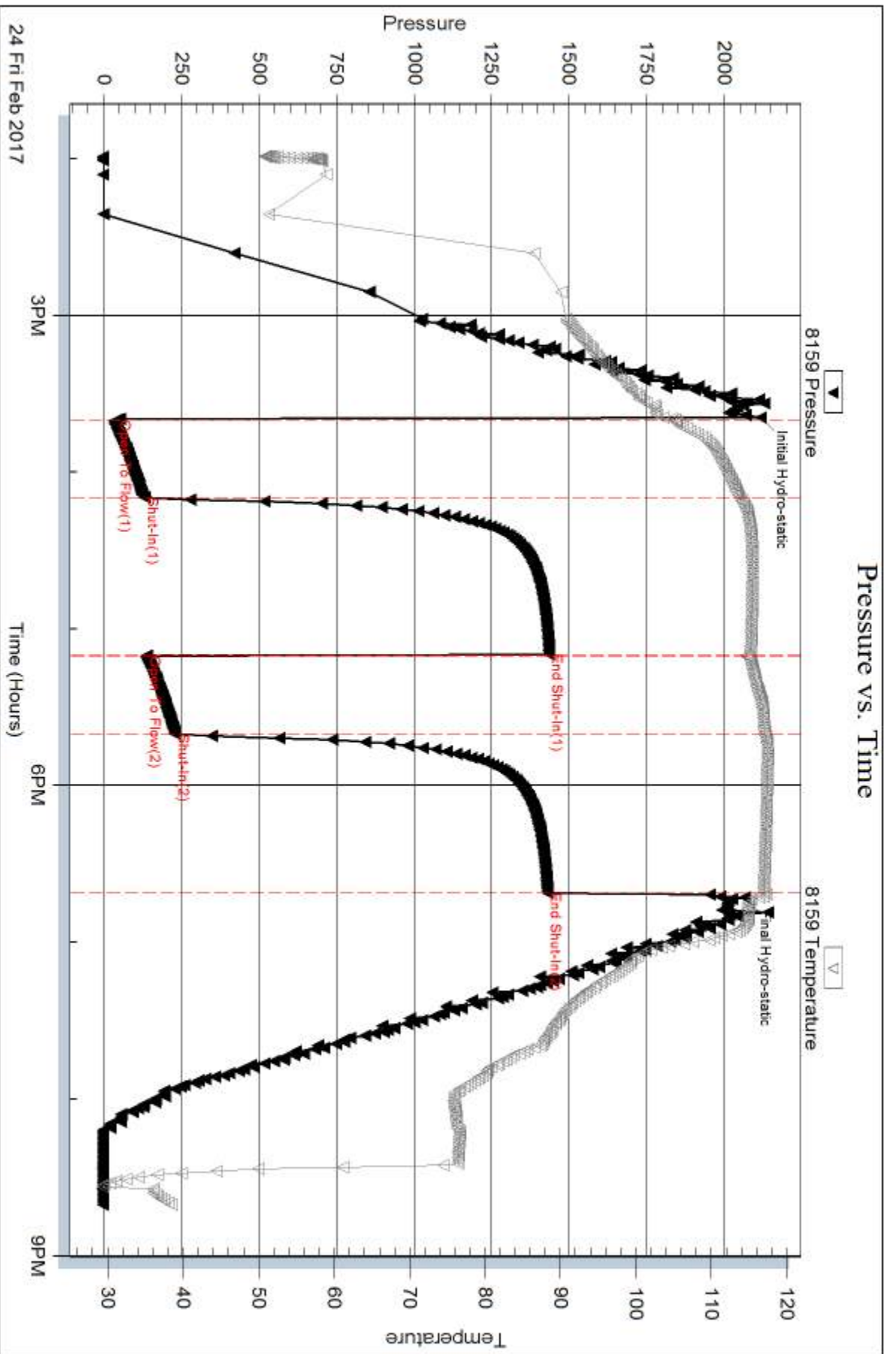
Length ft	Description	Volume bbl
0.00	120 GIP	0.000
315.00	Water	4.419
60.00	OMCW 10%O 30%M 60%W	0.842

Total Length: 375.00 ft Total Volume: 5.261 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW w as .18 @ 40 degrees

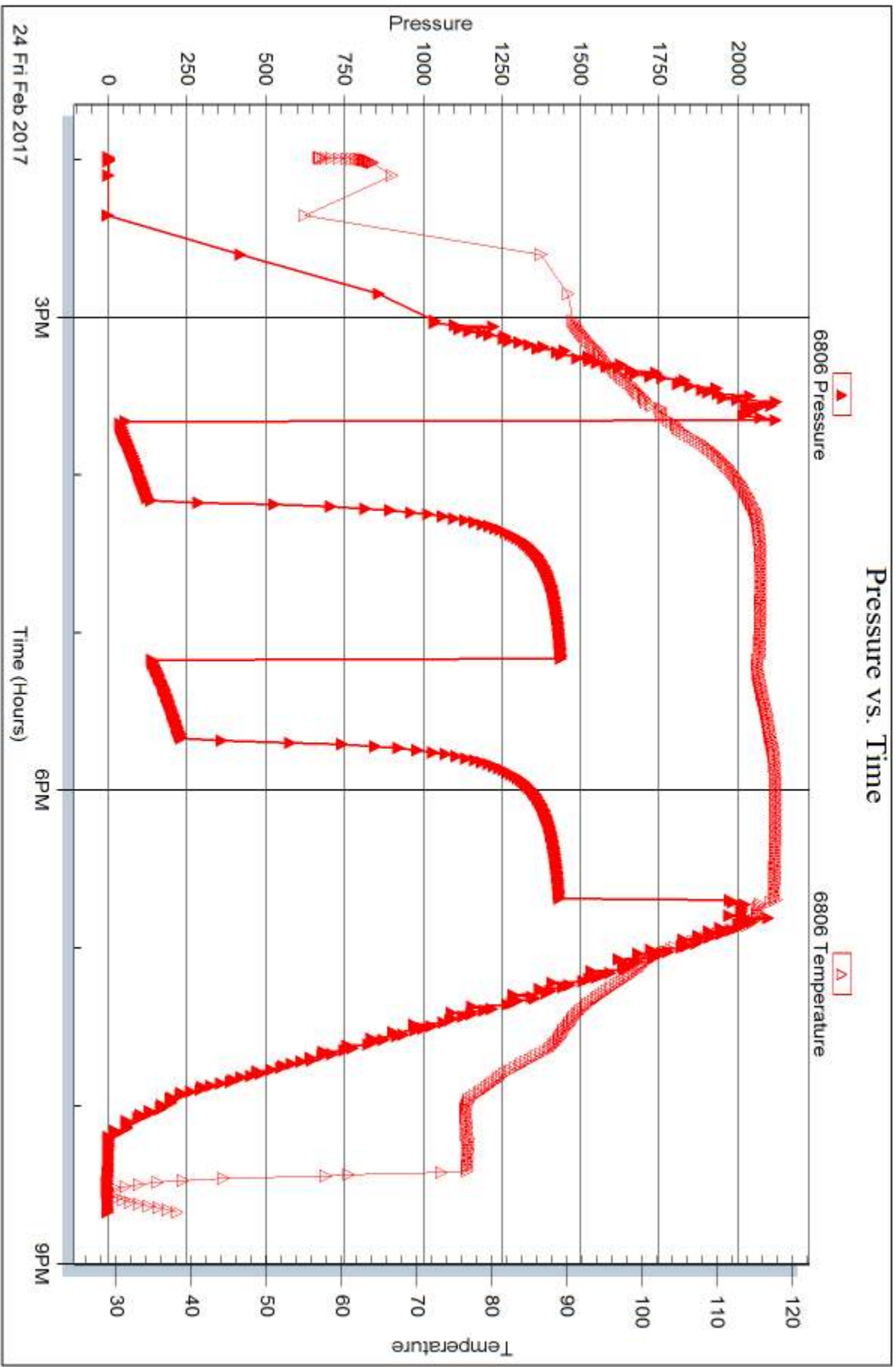


Serial #: 6806

Outside CMX inc

Coats Knob #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **CMX inc**

1700 N Waterfront Pkwy
Bldg 300B
Wichita, KS 67206

ATTN: Ken LeBlanc

Coats Knob #1

25-29S-14W Pratt,KS

Start Date: 2017.02.25 @ 05:32:58

End Date: 2017.02.25 @ 12:39:43

Job Ticket #: 63566 DST #: 3

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

Printed: 2017.02.27 @ 10:50:04

CMX inc
25-29S-14W Pratt,KS
Coats Knob #1
DST # 3
LKC "H"
2017.02.25



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

CMX inc
 1700 N Waterfront Pkw y
 Bldg 300B
 Wichita, KS 67206
 ATTN: Ken LeBlanc

25-29S-14W Pratt,KS

Coats Knob #1

Job Ticket: 63566

DST#: 3

Test Start: 2017.02.25 @ 05:32:58

GENERAL INFORMATION:

Formation: **LKC "H"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:52:58
 Time Test Ended: 12:39:43
 Interval: **4146.00 ft (KB) To 4160.00 ft (KB) (TVD)**
 Total Depth: 4160.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 74
 Reference Elevations: 1945.00 ft (KB)
 1937.00 ft (CF)
 KB to GR/CF: 8.00 ft

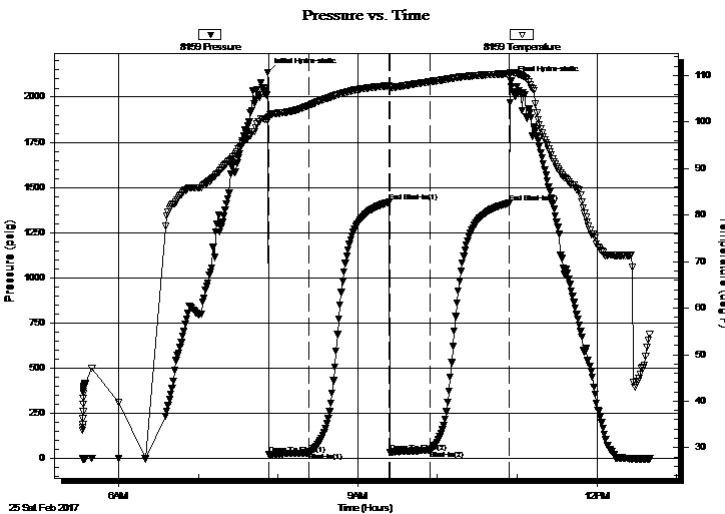
Serial #: 8159

Inside

Press@RunDepth: 45.39 psig @ 4147.00 ft (KB)
 Start Date: 2017.02.25 End Date: 2017.02.25
 Start Time: 05:32:59 End Time: 12:39:43
 Capacity: 8000.00 psig
 Last Calib.: 2017.02.25
 Time On Btm: 2017.02.25 @ 07:52:13
 Time Off Btm: 2017.02.25 @ 10:55:13

TEST COMMENT: IF: Strong Blow , BOB in 2 minutes
 IS: No Blow Back
 FF: Fair Blow , Built to 7"
 FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2136.63	100.93	Initial Hydro-static
1	21.89	100.77	Open To Flow (1)
32	32.78	103.57	Shut-In(1)
92	1417.71	107.79	End Shut-In(1)
92	33.74	107.36	Open To Flow (2)
123	45.39	108.66	Shut-In(2)
182	1412.60	110.38	End Shut-In(2)
183	2089.09	110.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	180 GIP	0.00
65.00	GOMCW 10%G 5%O 35%M 50%W	0.91

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

CMX inc
1700 N Waterfront Pkw y
Bldg 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

25-29S-14W Pratt, KS

Coats Knob #1

Job Ticket: 63566 **DST#: 3**
Test Start: 2017.02.25 @ 05:32:58

GENERAL INFORMATION:

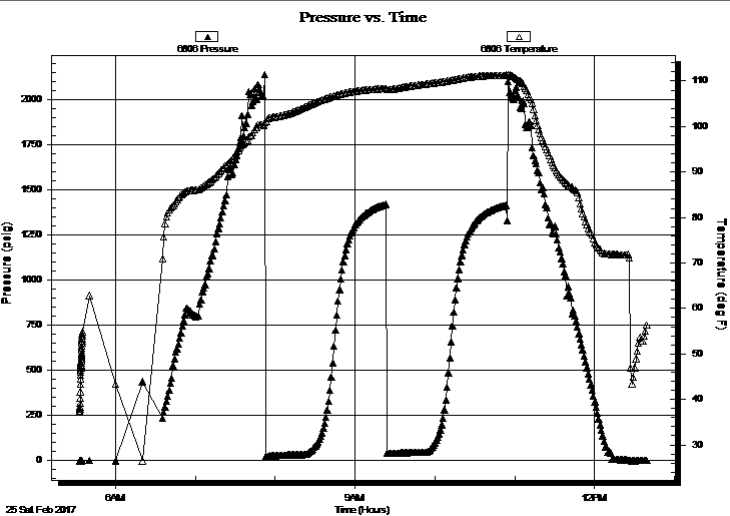
Formation: **LKC "H"**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 07:52:58 Tester: Leal Cason
Time Test Ended: 12:39:43 Unit No: 74
Interval: 4146.00 ft (KB) To 4160.00 ft (KB) (TVD) Reference Elevations: 1945.00 ft (KB)
Total Depth: 4160.00 ft (KB) (TVD) 1937.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 6806

Outside

Press@RunDepth: psig @ 4147.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2017.02.25 End Date: 2017.02.25 Last Calib.: 2017.02.25
Start Time: 05:32:59 End Time: 12:39:43 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong Blow , BOB in 2 minutes
IS: No Blow Back
FF: Fair Blow , Built to 7"
FS: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	180 GIP	0.00
65.00	GOMCW 10%G 5%O 35%M 50%W	0.91

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX inc
1700 N Waterfront Pkwy
Bldg 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

25-29S-14W Pratt, KS
Coats Knob #1
Job Ticket: 63566 **DST#: 3**
Test Start: 2017.02.25 @ 05:32:58

Tool Information

Drill Pipe:	Length: 4133.00 ft	Diameter: 3.80 inches	Volume: 57.98 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume: 57.98 bbl		Tool Chased ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4146.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	35.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4130.00	
Hydraulic tool	5.00			4135.00	
Safety Joint	2.00			4137.00	
Packer	5.00			4142.00	21.00 Bottom Of Top Packer
Packer	4.00			4146.00	
Stubb	1.00			4147.00	
Recorder	0.00	8159	Inside	4147.00	
Recorder	0.00	6806	Outside	4147.00	
Perforations	10.00			4157.00	
Bullnose	3.00			4160.00	14.00 Bottom Packers & Anchor
Total Tool Length:	35.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX inc
1700 N Waterfront Pkw y
Bldg 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

25-29S-14W Pratt,KS
Coats Knob #1
Job Ticket: 63566 **DST#: 3**
Test Start: 2017.02.25 @ 05:32:58

Mud and Cushion Information

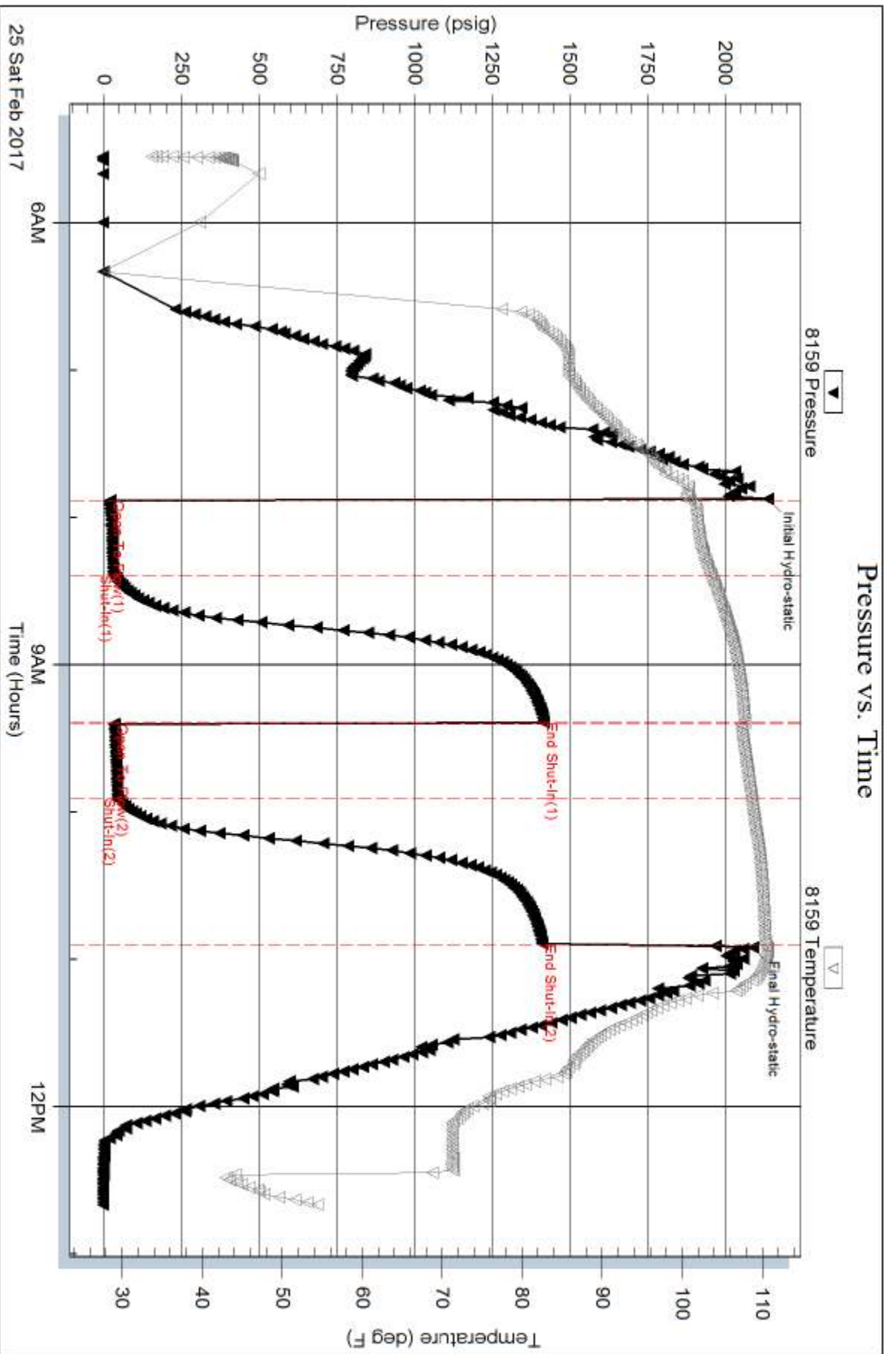
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	59000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7200.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	180 GIP	0.000
65.00	GOMCW 10%G 5%O 35%M 50%W	0.912

Total Length: 65.00 ft Total Volume: 0.912 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW w as .21 @ 43 degrees

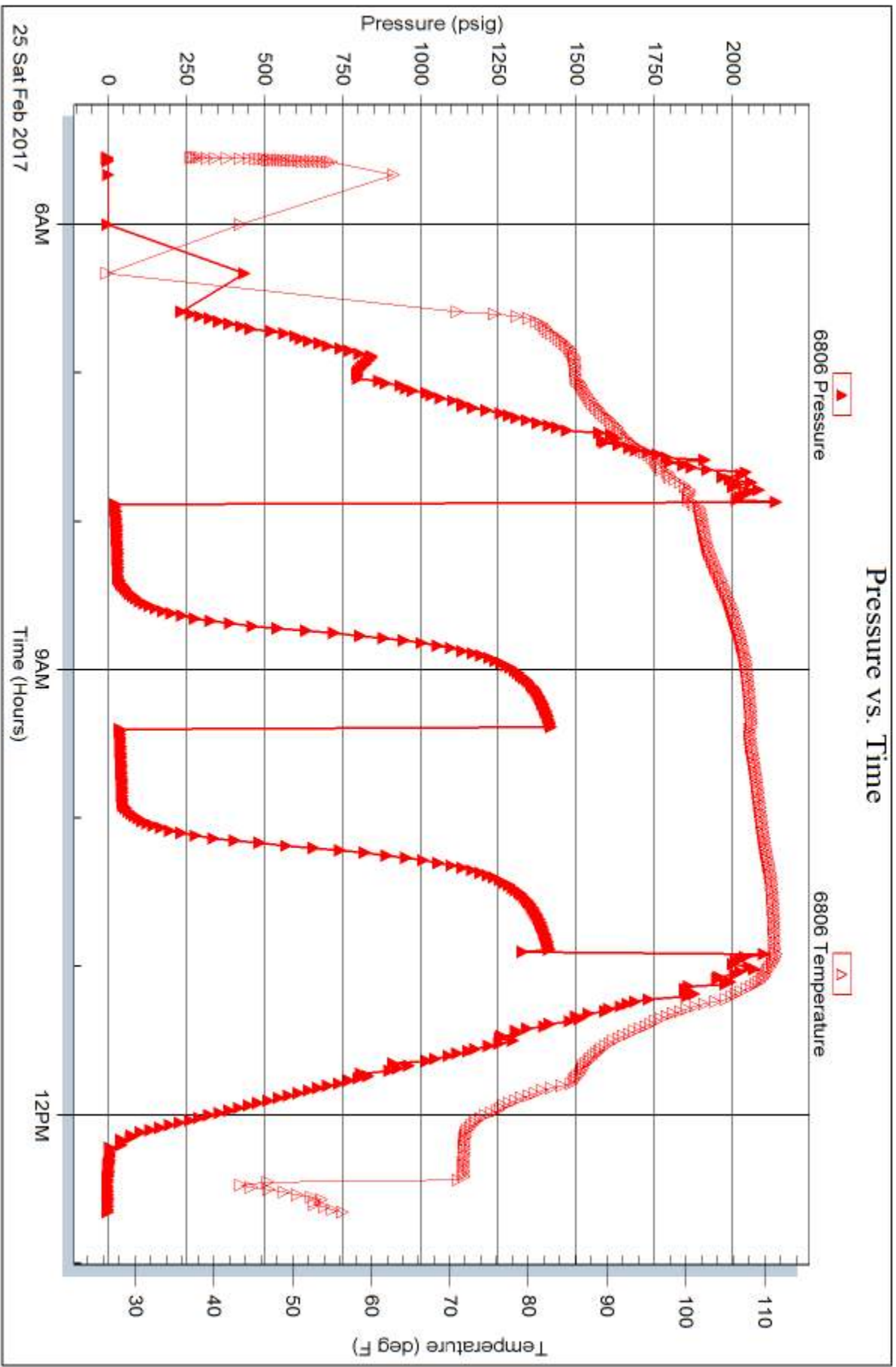


Serial #: 6806

Outside CMX inc

Coats Knob #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 63566

Printed: 2017.02.27 @ 10:50:05



DRILL STEM TEST REPORT

Prepared For: **CMX inc**

1700 N Waterfront Pkwy
Bldg 300B
Wichita, KS 67206

ATTN: Ken LeBlanc

Coats Knob #1

25-29S-14W Pratt,KS

Start Date: 2017.02.28 @ 02:04:00

End Date: 2017.02.28 @ 09:06:30

Job Ticket #: 61323 DST #: 4

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

Printed: 2017.03.01 @ 09:16:17

CMX inc
25-29S-14W Pratt,KS
Coats Knob #1
DST # 4
Simpson Sand
2017.02.28



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

CMX inc
 1700 N Waterfront Pkw y
 Bldg 300B
 Wichita, KS 67206
 ATTN: Ken LeBlanc

25-29S-14W Pratt,KS

Coats Knob #1

Job Ticket: 61323

DST#: 4

Test Start: 2017.02.28 @ 02:04:00

GENERAL INFORMATION:

Formation: **Simpson Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:13:30
 Time Test Ended: 09:06:30
 Interval: **4530.00 ft (KB) To 4565.00 ft (KB) (TVD)**
 Total Depth: 4682.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 1945.00 ft (KB)
 1937.00 ft (CF)
 KB to GR/CF: 8.00 ft

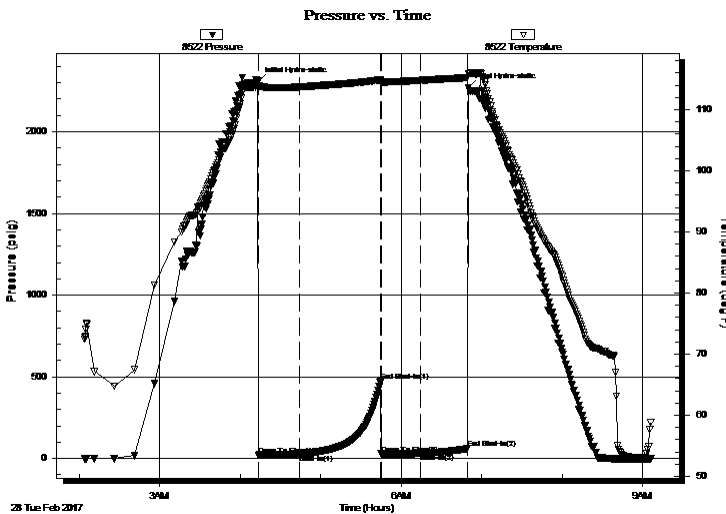
Serial #: 8522

Outside

Press@RunDepth: 29.70 psig @ 4531.00 ft (KB)
 Start Date: 2017.02.28 End Date: 2017.02.28
 Start Time: 02:04:05 End Time: 09:06:29
 Capacity: 8000.00 psig
 Last Calib.: 2017.02.28
 Time On Btm: 2017.02.28 @ 04:13:15
 Time Off Btm: 2017.02.28 @ 06:50:15

TEST COMMENT: IF: 1/2" blow, died @ 10 min.
 IS: No return.
 FF: No blow.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2303.59	114.53	Initial Hydro-static
1	21.30	113.69	Open To Flow (1)
32	25.49	113.73	Shut-In(1)
92	471.69	114.86	End Shut-In(1)
92	27.75	114.50	Open To Flow (2)
122	29.70	114.81	Shut-In(2)
157	62.59	115.24	End Shut-In(2)
157	2268.38	115.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100m (oil spots in tool)	0.28

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

CMX inc
 1700 N Waterfront Pkw y
 Bldg 300B
 Wichita, KS 67206
 ATTN: Ken LeBlanc

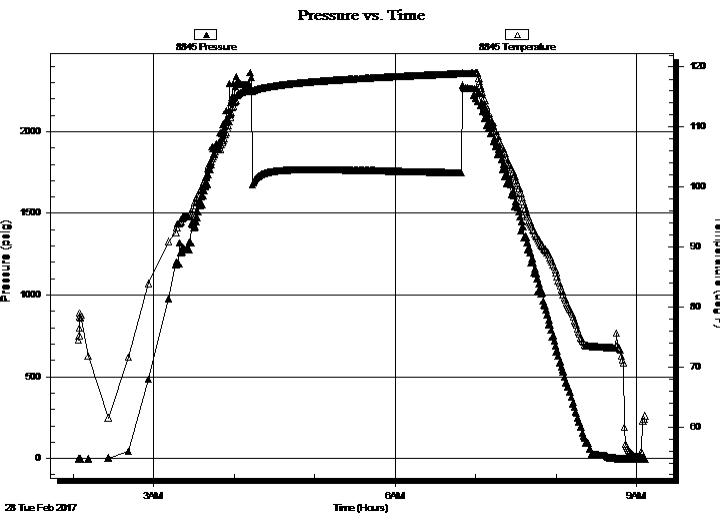
25-29S-14W Pratt,KS
Coats Knob #1
 Job Ticket: 61323 **DST#: 4**
 Test Start: 2017.02.28 @ 02:04:00

GENERAL INFORMATION:

Formation: **Simpson Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:13:30
 Time Test Ended: 09:06:30
Interval: 4530.00 ft (KB) To 4565.00 ft (KB) (TVD)
 Total Depth: 4682.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 1945.00 ft (KB)
 1937.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8845 Below (Straddle)
 Press@RunDepth: psig @ 4584.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.02.28 End Date: 2017.02.28 Last Calib.: 2017.02.28
 Start Time: 02:04:05 End Time: 09:06:29 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: 1/2" blow , died @ 10 min.
 IS: No return.
 FF: No blow .
 FS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100m (oil spots in tool)	0.28

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

CMX inc
 1700 N Waterfront Pkw y
 Bldg 300B
 Wichita, KS 67206
 ATTN: Ken LeBlanc

25-29S-14W Pratt,KS
Coats Knob #1
 Job Ticket: 61323 **DST#: 4**
 Test Start: 2017.02.28 @ 02:04:00

GENERAL INFORMATION:

Formation: **Simpson Sand**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 04:13:30 Tester: Bradley Walter
 Time Test Ended: 09:06:30 Unit No: 78
Interval: 4530.00 ft (KB) To 4565.00 ft (KB) (TVD) Reference Elevations: 1945.00 ft (KB)
 Total Depth: 4682.00 ft (KB) (TVD) 1937.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

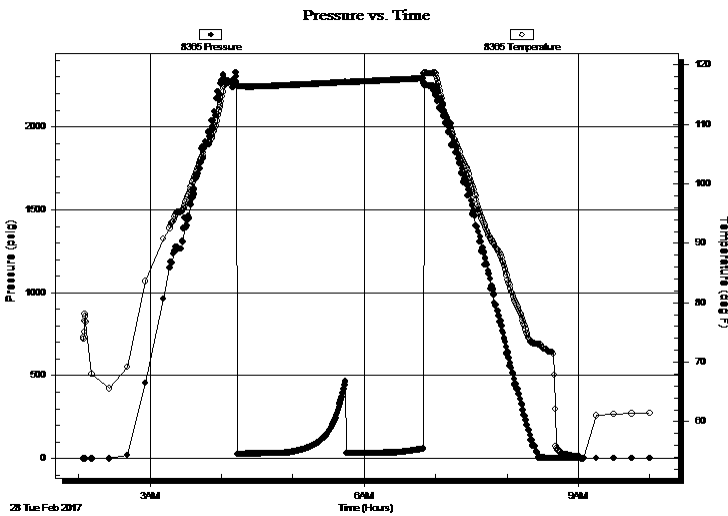
Serial #: 8365

Inside

Press@RunDepth: psig @ 4531.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.02.28 End Date: 2017.02.28 Last Calib.: 2017.02.28
 Start Time: 02:04:05 End Time: 10:09:52 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: 1/2" blow , died @ 10 min.
 IS: No return.
 FF: No blow .
 FS: No return.

PRESSURE SUMMARY



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

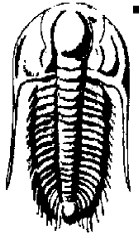
Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100m (oil spots in tool)	0.28

* Recovery from multiple tests

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 LeBlanc

25-29S-14W Pratt,KS
Coats Knob #1
Job Ticket: 61323 **DST#: 4**
Test Start: 2017.02.28 @ 02:04:00

Tool Information

Drill Pipe:	Length: 4540.00 ft	Diameter: 3.80 inches	Volume: 63.68 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
		Total Volume: 63.68 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4530.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	152.00 ft			
Tool Length:	174.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Change Over Sub	1.00			4509.00	
Shut In Tool	5.00			4514.00	
Hydraulic tool	5.00			4519.00	
Safety Joint	2.00			4521.00	
Packer	5.00			4526.00	22.00 Bottom Of Top Packer
Packer	4.00			4530.00	
Stubb	1.00			4531.00	
Recorder	0.00	8365	Inside	4531.00	
Recorder	0.00	8522	Outside	4531.00	
Perforations	30.00			4561.00	
Blank Off Sub	1.00			4562.00	152.00 Tool Interval
Packer	3.00			4565.00	
Blank Spacing	1.00			4566.00	
Perforations	17.00			4583.00	
Change Over Sub	1.00			4584.00	
Recorder	0.00	8845	Below	4584.00	
Drill Pipe	94.00			4678.00	
Change Over Sub	1.00			4679.00	
Bullnose	3.00			4682.00	1000173.00 Bottom Packers & Anchor

Total Tool Length: 174.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX inc
1700 N Waterfront Pkw y
Bldg 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

25-29S-14W Pratt,KS
Coats Knob #1
Job Ticket: 61323 **DST#: 4**
Test Start: 2017.02.28 @ 02:04:00

Mud and Cushion Information

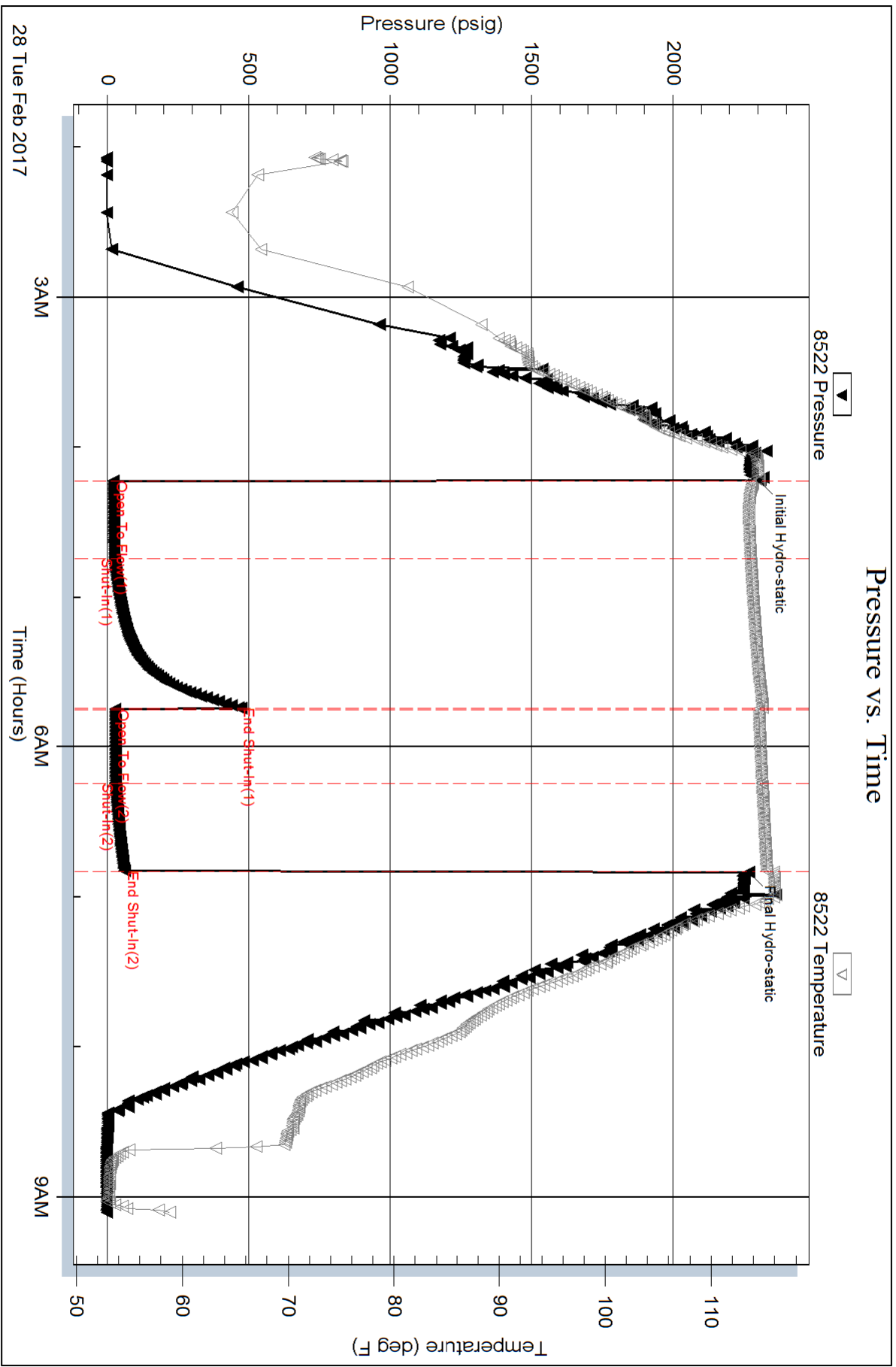
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5200.00 ppm			
Filter Cake: 2.00 inches			

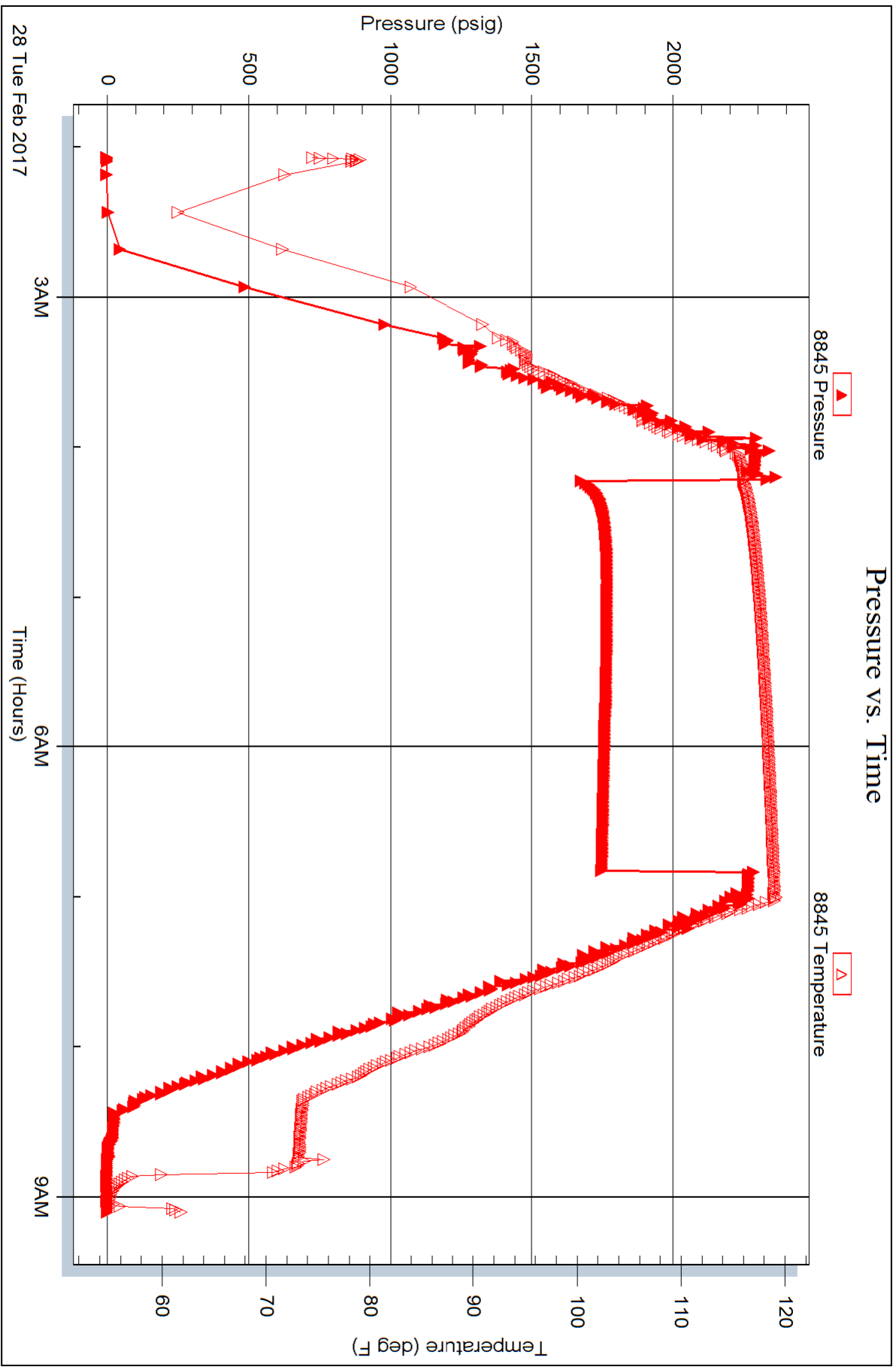
Recovery Information

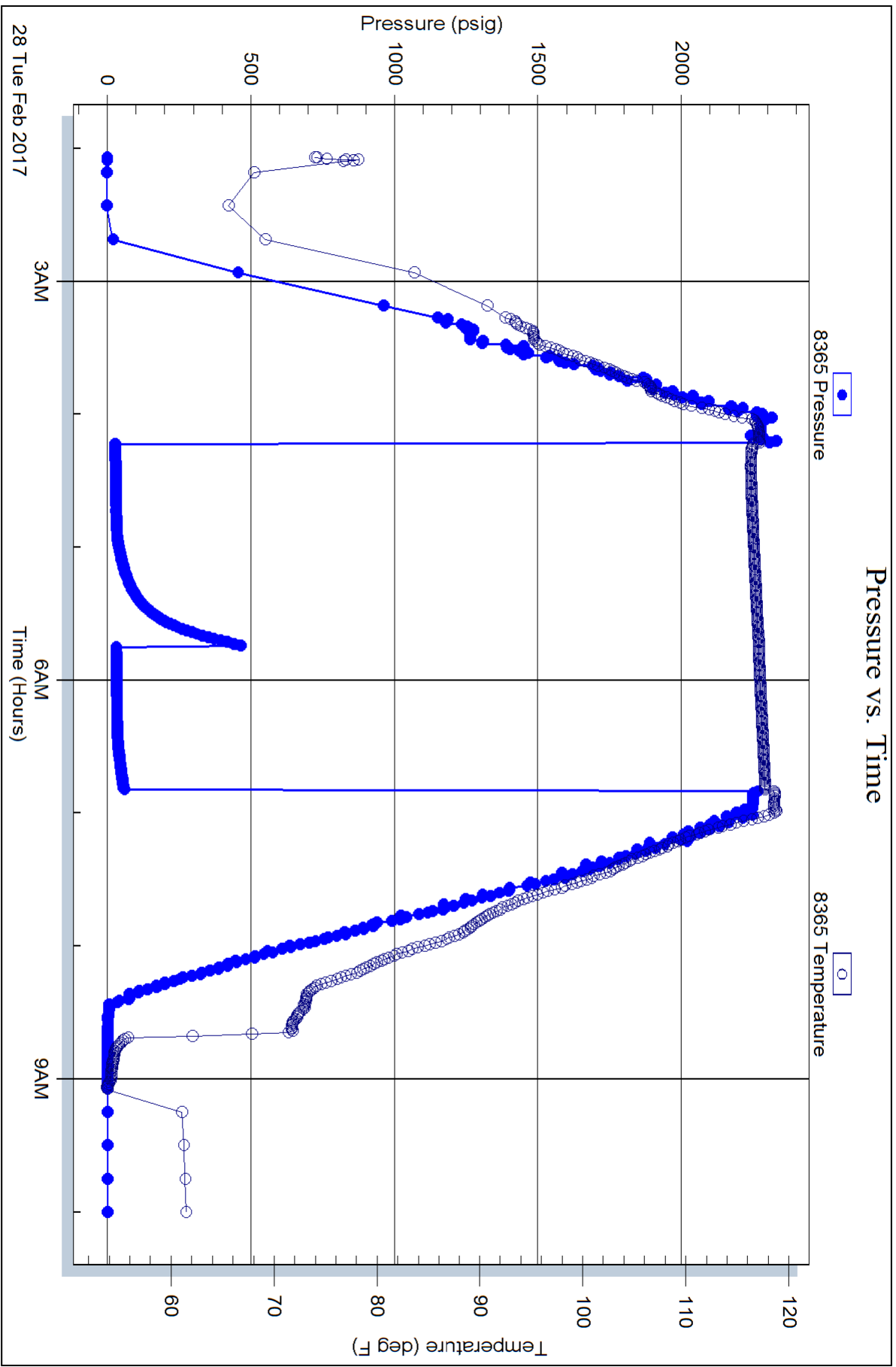
Recovery Table

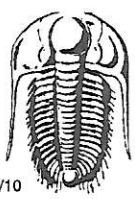
Length ft	Description	Volume bbl
20.00	Mud 100m (oil spots in tool)	0.281

Total Length: 20.00 ft Total Volume: 0.281 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. **63564** 23538

Well Name & No. Coats Knob 1 Test No. 1 Date 02/22/17
 Company CMX inc Elevation 1945 KB 1937 GL
 Address 1700 N. Waterfront Pkwy Bldg 300B Wichita, KS 67206
 Co. Rep / Geo. Ken LeBlanc Rig Duke 2
 Location: Sec. 25 Twp. 29S Rge. 14W Co. Pratt State KS

Interval Tested 3598 - 3642 Zone Tested Topeka
 Anchor Length 44 Drill Pipe Run 3601 Mud Wt. 9.3
 Top Packer Depth 3593 Drill Collars Run 00 Vis 56
 Bottom Packer Depth 3598 Wt. Pipe Run 0 WL 9.6
 Total Depth 3642 Chlorides 7200 ppm System LCM

Blow Description IE: Fair Blow, Built to 9 inches
ISF: NO BLOW BACK
FF: Fair Blow, Built to 7 1/2 inches
FSI: NO BLOW BACK

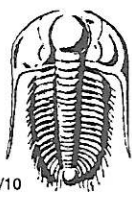
Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Oil</u>				
<u>73</u>	<u>GMCW</u>	<u>2</u>		<u>70</u>	<u>28</u>
<u>126</u>	<u>Water</u>				

Rec Total 200 BHT 106 Gravity N/C API RW .2 @ 42 °F Chlorides 64000 ppm

(A) Initial Hydrostatic <u>1851</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>20:00</u>
(B) First Initial Flow <u>20</u>	<input type="checkbox"/> Jars	T-Started <u>21:15</u>
(C) First Final Flow <u>77</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>23:23</u>
(D) Initial Shut-In <u>1242</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>02:28</u>
(E) Second Initial Flow <u>79</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>04:18</u>
(F) Second Final Flow <u>126</u>	<input checked="" type="checkbox"/> Mileage <u>(409)</u> <u>30</u>	Comments
(G) Final Shut-In <u>1235</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1831</u>	<input type="checkbox"/> Straddle	
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1155</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1155</u>	

Approved By Ken LeBlanc 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. **63565**

Well Name & No. Coats Knob 1 Test No. 2 Date 02/24/17
 Company CMX IAC Elevation 1945 KB 1937 GL
 Address 1700 N. Waterfront Pkwy Bldg 300 B Wichita, KS 67206
 Co. Rep / Geo. Ken LeBlanc Rig Duke 2
 Location: Sec. 25 Twp. 29S Rge. 14W Co. Pratt State KS

Interval Tested 4116 - 4140 Zone Tested Lansing "G"
 Anchor Length 24 Drill Pipe Run 4102 Mud Wt. 9.3
 Top Packer Depth 4111 Drill Collars Run 0 Vis 68
 Bottom Packer Depth 4116 Wt. Pipe Run 0 WL 10.0
 Total Depth 4140 Chlorides 8000 ppm System LCM

Blow Description IF: Strong Blow, BOB in 2 minutes, Died off to 7 inches
FSI: No Blow Back
FF: Fair Blow, BOB in 18 minutes
FSI: NO BLOW BACK

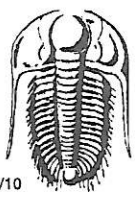
Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>GIP</u>				
<u>60</u>	<u>OMCW</u>		<u>10</u>	<u>60</u>	<u>30</u>
<u>315</u>	<u>water</u>				

Rec Total 375 BHT 117 Gravity NIC API RW .18 @ 40 ° F Chlorides 75000 ppm

(A) Initial Hydrostatic <u>2117</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>13:00</u>
(B) First Initial Flow <u>43</u>	<input type="checkbox"/> Jars	T-Started <u>13:59</u>
(C) First Final Flow <u>132</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>15:39</u>
(D) Initial Shut-In <u>1437</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>18:41</u>
(E) Second Initial Flow <u>139</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>20:40</u>
(F) Second Final Flow <u>231</u>	<input checked="" type="checkbox"/> Mileage <u>40</u> <u>30</u>	Comments
(G) Final Shut-In <u>1431</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2064</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1255</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1255</u>	

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63566**

Well Name & No. Coats Knob 1 Test No. 3 Date 02/25/17
 Company CMX inc Elevation 1945 KB 1937 GL
 Address 1700 N. Waterfront Pkwy Bldg 300B Wichita, KS 67206
 Co. Rep/Geo. Ken LeBlanc Rig Duke 2
 Location: Sec. 25 Twp. 29S Rge. 14W Co. Pratt State KS

Interval Tested 4146 - 4160 Zone Tested Lansing "H"
 Anchor Length 14 Drill Pipe Run 4133 Mud Wt. 9.4
 Top Packer Depth 4141 Drill Collars Run 0 Vis 59
 Bottom Packer Depth 4146 Wt. Pipe Run 0 WL 8.4
 Total Depth 4160 Chlorides 6100 ppm System LCM

Blow Description IF: strong Blow, BOB in 2 minutes
ISF: NO Blow Back
FF: Fair Blow, Built to 7 inches

FSE: NO Blow Back

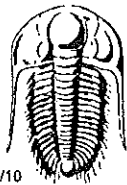
Rec	Feet of	%gas	%oil	%water	%mud
<u>180</u>	<u>GIP</u>				
<u>65</u>	<u>GOMCW</u>	<u>10</u>	<u>5</u>	<u>50</u>	<u>35</u>

Rec Total 65 BHT 110 Gravity N/C API RW .21 @ 43 ° F Chlorides 59000 ppm

(A) Initial Hydrostatic <u>2137</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>04:30</u>
(B) First Initial Flow <u>22</u>	<input type="checkbox"/> Jars	T-Started <u>05:32</u>
(C) First Final Flow <u>33</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>07:52</u>
(D) Initial Shut-In <u>1418</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>10:53</u>
(E) Second Initial Flow <u>34</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>12:39</u>
(F) Second Final Flow <u>45</u>	<input checked="" type="checkbox"/> Mileage <u>400</u> <u>60</u>	Comments <u>Loaded Tools @</u>
(G) Final Shut-In <u>1413</u>	<input type="checkbox"/> Sampler	<u>00:15 on 02/27</u>
(H) Final Hydrostatic <u>2089</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1285</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1285</u>	

Approved By [Signature] Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61323

Well Name & No. Coats Knob #1 Test No. 4 Date 2/28/2017
 Company CMX, Inc Elevation 1945 KB 1937 GL
 Address 1700 N Waterfront Pkwy Bldg 300 B Wichita, Ks 67206
 Co. Rep / Geo. Ken Leblant Rig Duke #2
 Location: Sec. 25 Twp. 29 S Rge. 14 W Co. Pratt State Ks

Interval Tested 4350 - 4565 Zone Tested Simpson Sand
 Anchor Length 35 / 117 tail Drill Pipe Run 4540 Mud Wt. 9.1
 Top Packer Depth 4345 Drill Collars Run 0 Vis 60
 Bottom Packer Depth 4350 / 4565 strat Wt. Pipe Run 0 WL 7.6
 Total Depth 4682 Chlorides 5200 ppm System LCM 2#
 Blow Description IF 1/2" blow died @ 10 min.
TSI No return.
PF No blow
FSI No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Mud</u>			<u>100</u>	
	<u>oil spots in tool</u>				

Rec Total 20 BHT 115 Gravity — API RW — @ —°F Chlorides — ppm

(A) Initial Hydrostatic <u>2304</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>0115</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Test <u>No</u>	T-Started <u>0204</u>
(C) First Final Flow <u>25</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0415</u>
(D) Initial Shut-In <u>472</u>	<input checked="" type="checkbox"/> Circ Sub <u>11c</u>	T-Pulled <u>0645</u>
(E) Second Initial Flow <u>28</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0907</u>
(F) Second Final Flow <u>30</u>	<input checked="" type="checkbox"/> Mileage <u>30</u>	Comments
(G) Final Shut-In <u>63</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2268</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>2105</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2105</u>	

Approved By _____

Our Representative 

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