

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1251246
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: _____

1251246

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: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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	03/30/2015
INVOICE NUMBER			
91768647			

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

J LEASE NAME Claflin 1-34
 O LOCATION
 B COUNTY Barton
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40827630	19843		Net - 30 days	04/29/2015
For Service Dates: 03/27/2015 to 03/27/2015				
0040827630				
171812074A Cement-New Well Casing/Pi 03/27/2015				
Cement 8 5/8 Surface				
		QTY	U of M	INVOICE AMOUNT
Common Cement		300.00	EA	1,693.30 T
Celloflake		75.00	EA	97.89 T
Calcium Chloride		564.00	EA	208.91 T
"Wooden Cmt Plug, 8 5/8""		1.00	EA	56.44
"Unit Mileage Chg (PU, cars one way)"		75.00	MI	119.06
Heavy Equipment Mileage		150.00	MI	396.86
"Proppant & Bulk Del. Chgs., per ton mil		1,058.00	EA	933.07
Depth Charge; 0-500'		1.00	EA	352.77
Blending & Mixing Service Charge		300.00	BAG	148.16
Plug Container Util. Chg.		1.00	EA	88.19
"Service Supervisor, first 8 hrs on loc.		1.00	EA	61.73

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	4,156.38
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	143.01
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	4,299.39
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 12074 A

34-165-114

DATE _____ TICKET NO. _____

DATE OF JOB 3-27-2015 DISTRICT Prst 1, 105		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 CIGFLIN WELL NO. 1-34							
ADDRESS		COUNTY Barton STATE KS							
CITY STATE		SERVICE CREW Dsrin, Ed, Bescher							
AUTHORIZED BY		JOB TYPE: CNW/ 8 5/8 SURFACE							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM/PM	TIME
19843	1/2						3-26	AM	10:00
19918	1/4						3-27	AM	1:00
							3-27	AM	2:30
							3-27	AM	3:00
							3-27	AM	4:00
						MILES FROM STATION TO WELL	81		

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: Allen D. Roubal
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP100C	Common Cement	SK	300		4,800 00
CC102	Cellofiske	Lb	75		277 50
CC109	Calcium Chloride	Lb	564		592 20
CF153	WOODEN CEMENT PLUS, 8 5/8"	Fs	1		160 00
E100	unit milesse chaise-Pickups, SMS, US and ACSIS	m	75		337 50
E101	Hesoy Equipment milesse	m	150		1,125 00
E113	Proppsnt and Bulk Delivery Chaises, palencia	Tntm	1058		2,643 75
CE200	Depth Chaise 10:500	4hr	1		1,000 00
CE240	Blending & mixing Service Chaise	SK	300		2400 00
CF504	PLUS conts, nor Ut. 1.25 ton Chaise	Job	1		250 00
S003	Service Supervisor, first 8 hrs on loc.	Fs	1		175 00
SUB TOTAL					11,780 95

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
Discounted TOTAL		4,156 38

SERVICE REPRESENTATIVE <u>Veris Hank</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>Allen D. Roubal</u>
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FIELD SERVICE ORDER NO. _____ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer CMX, Inc.	Lease No.	Date 3-27-2015
Lease CL9FLN	Well # 1-34	
Field Order # 12074	Station PR9511CS	Casing 8 5/8
Type Job CN W/ 8 5/8 SURFACE	Formation TD-483	Depth 481
		County Barton
		State KS
		Legal Description 34-165-116

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
8 5/8				Pre Pad	Max		5 Min.
Depth 481	Depth	From	To	Pad	Min		10 Min.
Volume 31	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 481	Packer Depth	From	To				

Customer Representative Galen Rosch	Station Manager Kevin Goidley	Treater Darin Friction
Service Units 92911 84981 19843 19826 19918		
Driver Names Darin Ed Ed Beschey Beschey		

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
1:00pm					on location / safety meeting
					300SK Common cement, 2% CC, 1/4# Cellfibre, 15.6pps, 1.20 ve. #2, 5.23 wster
2:30pm	200		3	5	pump 3 bbbs wster
	200		64	5	mix 300SK cement
			0		Shut down
			0		Release Plug
	200		29	3	Displace
3:00pm					Shut in
					cement die circulate 10 bbbs
					Job complete / Darin & crew
					THANK YOU!!!



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1000793	1718	04/07/2015
INVOICE NUMBER			
91775549			

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 Claflin 1-34
 O LOCATION
 B COUNTY Barton
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
40830206	19905		Net - 30 days	05/07/2015	
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 04/02/2015 to 04/02/2015</i>					
0040830206					
171812309A Cement-New Well Casing/Pi 04/02/2015					
Cement 5 1/2" Longstring					
AA2 Cement		165.00	EA	10.54	1,739.04 T
60/40 POZ		50.00	EA	7.44	371.99 T
C-41P		32.00	EA	2.48	79.36 T
Salt		833.00	EA	0.31	258.22 T
Cement Friction Reducer		47.00	EA	3.72	174.83 T
FLA-322		78.00	EA	4.65	362.69 T
Mud Flush		500.00	EA	0.93	464.98 T
Gilsonite		825.00	EA	0.42	342.69 T
"8 5/8" Latch Down Plug & Assembly (Red		1.00	EA	247.99	247.99
"Cmt. Shoe Packer Type, 5 1/2" (Red)"		1.00	EA	2,293.94	2,293.94
"Turbolizer, 5 1/2" (Blue)"		10.00	EA	68.20	681.98
"5 1/2" Basket (Blue)"		1.00	EA	179.79	179.79
"Unit Mileage Chg (PU, cars one way)"		65.00	MI	2.79	181.34
Heavy Equipment Mileage		130.00	MI	4.65	604.48
"Proppant & Bulk Del. Chgs., per ton mil		647.00	EA	1.55	1,002.81
Depth Charge; 3001-4000'		1.00	EA	1,339.15	1,339.15
Blending & Mixing Service Charge		215.00	BAG	0.87	186.61
Plug Container Util. Chg.		1.00	EA	154.99	154.99
High Head Charge (Over 6')		1.00	EA	185.99	185.99
"Service Supervisor, first 8 hrs on loc.		1.00	EA	108.50	108.50

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	10,961.37
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	271.26
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	11,232.63
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 12309 A

34-165-114

DATE _____ TICKET NO. _____

DATE OF JOB <u>4/2/15</u> DISTRICT _____		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>Clatlin</u> 1-34 WELL NO. _____							
ADDRESS _____		COUNTY <u>Barton</u> STATE <u>Ks</u>							
CITY _____ STATE _____		SERVICE CREW <u>Scott, E.J., McCRAW</u>							
AUTHORIZED BY <u>Keith</u>		JOB TYPE: <u>5 1/2 long string cnu</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM PM	TIME
<u>19905</u>	<u>1</u>					ARRIVED AT JOB	<u>4/2/15</u>	<u>AM</u>	<u>10:00</u>
<u>19860</u>	<u>.25</u>					START OPERATION	<u>4/2/15</u>	<u>AM</u>	<u>4:00</u>
						FINISH OPERATION	<u>4/2/15</u>	<u>AM</u>	<u>5:00</u>
						RELEASED	<u>4/2/15</u>	<u>AM</u>	<u>5:30</u>
						MILES FROM STATION TO WELL			

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
CP105	AA2 Cement	SK	165		2805.00
CP103	60140 POZ	SK	50		600.00
CC105	C-411P	lb	32		175.00
CC111	Salt	lb	833		416.50
CC112	Cement Friction Reducer	lb	47		282.00
CC129	FIA-322	lb	78		585.00
CC201	Gibsonite	lb	825		552.75
CF607	Latch down Plug + Baffle 5 1/2	Ca	1		400.00
CF1001	Cement Shoe Packer Type 5 1/2	Ca	1		3700.00
CF1651	Turbolizers 5 1/2	Ca	10		1100.00
CF1901	5 1/2 Basket	Ca	1		290.00
CC151	Mud Flush	Gal	500		750.00
E100	Unit Mileage Charge Pickups	MI	65		292.50
E101	Heavy Equipment Mileage	MI	130		975.00
E113	Propt 150lb Delivery Charges	TM	647		1616.88
CE204	Depth Charge 300'-4000'	4hrs	1		2160.00
CE240	Blending + Mixing Service Charge	SK	215		301.00
CE504	Fluid Container Utilization	Job	1		250.00
5003	Service Supervisor first 8 hrs on loc	Ca	1		175.00
VE563	Drivch Charge	Ca	1		
SUB-TOTAL					300.00

CHEMICAL / ACID DATA:

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

Discounted Total 10,961.37

SERVICE REPRESENTATIVE [Signature]

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____

Customer <i>CMY, Inc</i>	Lease No.	Date <i>4/2/15</i>	
Lease <i>Clafin</i>	Well # <i>1-34</i>		
Field Order # <i>12509A</i>	Station <i>Pratt</i>	Casing <i>5 1/2</i>	Depth <i>3396'</i>
Type Job <i>5 1/2 Long Story CNW</i>	Formation	County <i>Barton</i>	State <i>KS</i>
		Legal Description <i>34-165-11W</i>	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
<i>5 1/2</i>				Pre Pad	Max		5 Min.
Depth <i>3396'</i>	Depth	From	To	Pad	Min		10 Min.
Volume <i>80.8</i>	Volume	From	To	Frac	Avg		15 Min.
Max Press <i>2000</i>	Max Press	From	To		HHP Used		Annulus Pressure
Well Connection <i>5 1/2</i>	Annulus Vol.	From	To	Flush	Gas Volume		Total Load
Plug Depth	Packer Depth	From	To				

Customer Representative <i>Keith</i>	Station Manager <i>Kevin Goodley</i>	Treater <i>Scott Graves</i>
Service Units <i>58970</i>	<i>77686</i>	<i>19903</i>
Driver Names <i>Scott</i>	<i>Mike</i>	<i>E.J.</i>
<i>19905</i>	<i>19910</i>	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>10:00</i>					<i>On location Safety Meeting Rig up</i>
<i>12:45</i>					<i>Run Fract Equipment Basket Rpt #2</i>
					<i>Turbo's 4,3,5,7,9,11,13,15,17,19</i>
<i>2:25</i>					<i>Break circulation</i>
<i>4:00</i>	<i>1100</i>				<i>Set Packer Shoe</i>
<i>4:05</i>	<i>200</i>		<i>05</i>	<i>4.8</i>	<i>Pump H2O Spacer</i>
<i>4:06</i>	<i>200</i>		<i>5</i>	<i>4.6</i>	<i>Pump 500 Gallons Mud flush</i>
<i>4:09</i>	<i>200</i>		<i>12</i>	<i>4.8</i>	<i>Pump H2O Spacer</i>
<i>4:09</i>	<i>300</i>		<i>5</i>	<i>6.4</i>	<i>Mix 165 SKS AA2 cement 15 ppb</i>
<i>4:15</i>	<i>✓</i>		<i>41.7</i>		<i>Shut down</i>
					<i>Wash pump + lines clean</i>
<i>4:20</i>	<i>✓</i>			<i>6.3</i>	<i>Release Plug start displacement</i>
<i>4:28</i>	<i>400</i>		<i>57</i>	<i>6.2</i>	<i>1.5t Pressure</i>
<i>4:30</i>	<i>500</i>		<i>13</i>	<i>3.2</i>	<i>Reduce Rate</i>
<i>4:33</i>	<i>650</i>		<i>10</i>		<i>Plug larded</i>
<i>4:33</i>	<i>1600</i>				<i>Increase Pressure</i>
<i>4:35</i>					<i>Release Pressure NO Returns</i>
					<i>Shut in well head</i>
<i>4:40</i>	<i>✓</i>		<i>8</i>	<i>3</i>	<i>Plug Rat hole 30SKS 60/45 P02</i>
<i>4:50</i>	<i>✓</i>		<i>6</i>	<i>3</i>	<i>Plug Mouse hole 20SKS 60/40 P02</i>
<i>5:00</i>					<i>Shut down</i>
					<i>Job Complete</i>



DRILL STEM TEST REPORT

Prepared For: **CMX Inc**

1706 N Waterfront Pkwy Bldg 300 Witchat KS
67206

ATTN: Ken Leblanc

Clafin #1-34

34-16-11 Barton

Start Date: 2015.03.30 @ 04:25:00

End Date: 2015.03.30 @ 11:53:00

Job Ticket #: 62914 DST #: 1

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

Printed: 2015.04.03 @ 09:14:01



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

CMX Inc
 1706 N Waterfront Pkw y Bldg 300 Witchat KS
 67206
 ATTN: Ken Leblanc

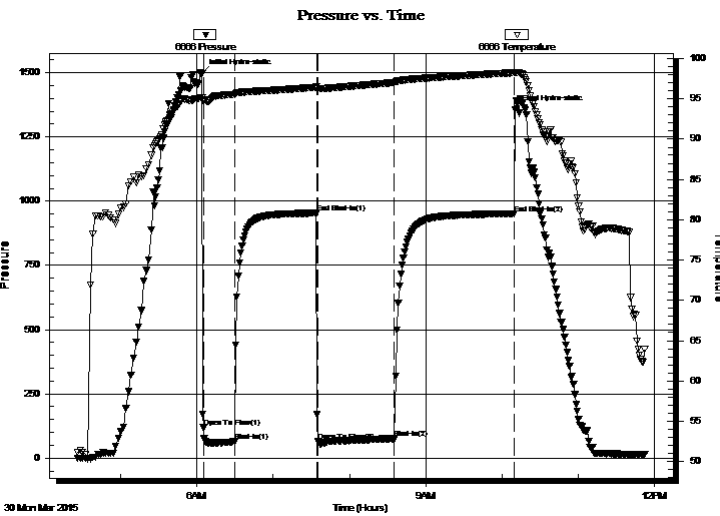
34-16-11 Barton
Claflin #1-34
 Job Ticket: 62914 **DST#: 1**
 Test Start: 2015.03.30 @ 04:25:00

GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:05:00
 Time Test Ended: 11:53:00
 Interval: **2984.00 ft (KB) To 3020.00 ft (KB) (TVD)**
 Total Depth: 3020.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 55
 Reference Elevations: 1946.00 ft (KB)
 1933.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6666 Inside
 Press@RunDepth: 75.67 psig @ 2985.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2015.03.30 End Date: 2015.03.30 Last Calib.: 2015.03.30
 Start Time: 04:26:00 End Time: 11:53:00 Time On Btm: 2015.03.30 @ 06:04:00
 Time Off Btm: 2015.03.30 @ 10:10:30

TEST COMMENT: IFP 30 Minutes-BOB in 1 minutes GTS 6 minutes
 ISIP- 60 Minutes -No blow back
 FFP- 60 Minutes BOB in 1 minutes
 FSIP-90 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1495.82	95.08	Initial Hydro-static
1	118.34	94.82	Open To Flow (1)
26	63.69	95.56	Shut-In(1)
90	953.80	96.45	End Shut-In(1)
92	65.23	96.28	Open To Flow (2)
152	75.67	97.03	Shut-In(2)
246	951.60	98.25	End Shut-In(2)
247	1357.50	98.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	GMW 10%G 60%W 30%M	1.17
0.00	GTS	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	1.60	107.93
Last Gas Rate	0.50	0.60	101.18
Max. Gas Rate	0.50	5.10	131.54



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

CMX Inc
 1706 N Waterfront Pkw y Bldg 300 Witchat KS
 67206
 ATTN: Ken Leblanc

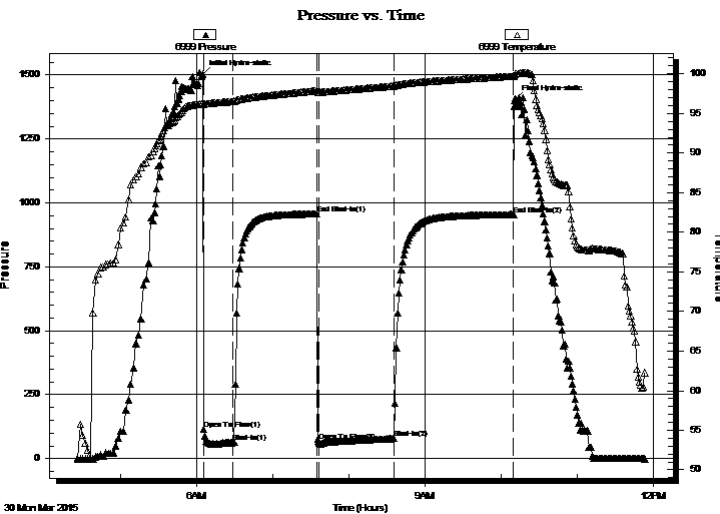
34-16-11 Barton
Claflin #1-34
 Job Ticket: 62914 **DST#: 1**
 Test Start: 2015.03.30 @ 04:25:00

GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:05:00
 Time Test Ended: 11:53:00
 Interval: **2984.00 ft (KB) To 3020.00 ft (KB) (TVD)**
 Total Depth: 3020.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 55
 Reference Elevations: 1946.00 ft (KB)
 1933.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6999 Outside
 Press@RunDepth: 954.88 psig @ 2986.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2015.03.30 End Date: 2015.03.30 Last Calib.: 2015.03.30
 Start Time: 04:26:00 End Time: 11:54:00 Time On Btm: 2015.03.30 @ 06:04:30
 Time Off Btm: 2015.03.30 @ 10:11:00

TEST COMMENT: IFP 30 Minutes-BOB in 1 minutes GTS 6 minutes
 ISIP- 60 Minutes -No blow back
 FFP- 60 Minutes BOB in 1 minutes
 FSIP-90 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1503.12	96.35	Initial Hydro-static
1	116.40	96.17	Open To Flow (1)
24	63.47	96.53	Shut-In(1)
90	957.12	97.86	End Shut-In(1)
92	67.40	97.71	Open To Flow (2)
151	78.66	98.46	Shut-In(2)
246	954.88	99.71	End Shut-In(2)
247	1402.69	99.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	GMW 10%G 60%W 30%M	1.17
0.00	GTS	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	1.60	107.93
Last Gas Rate	0.50	0.60	101.18
Max. Gas Rate	0.50	5.10	131.54



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc

34-16-11 Barton

1706 N Waterfront Pkw y Bldg 300 Witchat KS
67206

Claflin #1-34

Job Ticket: 62914

DST#: 1

ATTN: Ken Leblanc

Test Start: 2015.03.30 @ 04:25:00

Tool Information

Drill Pipe:	Length: 2790.00 ft	Diameter: 3.80 inches	Volume: 39.14 bbl	Tool Weight: 1000.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 40.03 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	2984.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	58.00 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			2967.00	
Hydraulic tool	5.00			2972.00	
Safety Joint	2.00			2974.00	
Packer	5.00			2979.00	22.00 Bottom Of Top Packer
Packer	5.00			2984.00	
Recorder	1.00	6666	Inside	2985.00	
Recorder	1.00	6999	Outside	2986.00	
Anchor	31.00			3017.00	
Bullnose	3.00			3020.00	36.00 Bottom Packers & Anchor
Total Tool Length:	58.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc

34-16-11 Barton

1706 N Waterfront Pkw y Bldg 300 Witchat KS
67206

Claflin #1-34

Job Ticket: 62914

DST#: 1

ATTN: Ken Leblanc

Test Start: 2015.03.30 @ 04:25:00

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:

34000 ppm

Viscosity: 6.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	GMW 10%G 60%W 30%M	1.166
0.00	GTS	0.000

Total Length: 200.00 ft Total Volume: 1.166 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Resistivity.15@67



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

CMX Inc

34-16-11 Barton

1706 N Waterfront Pkw y Bldg 300 Witchat KS
67206

Claflin #1-34

Job Ticket: 62914

DST#: 1

ATTN: Ken Leblanc

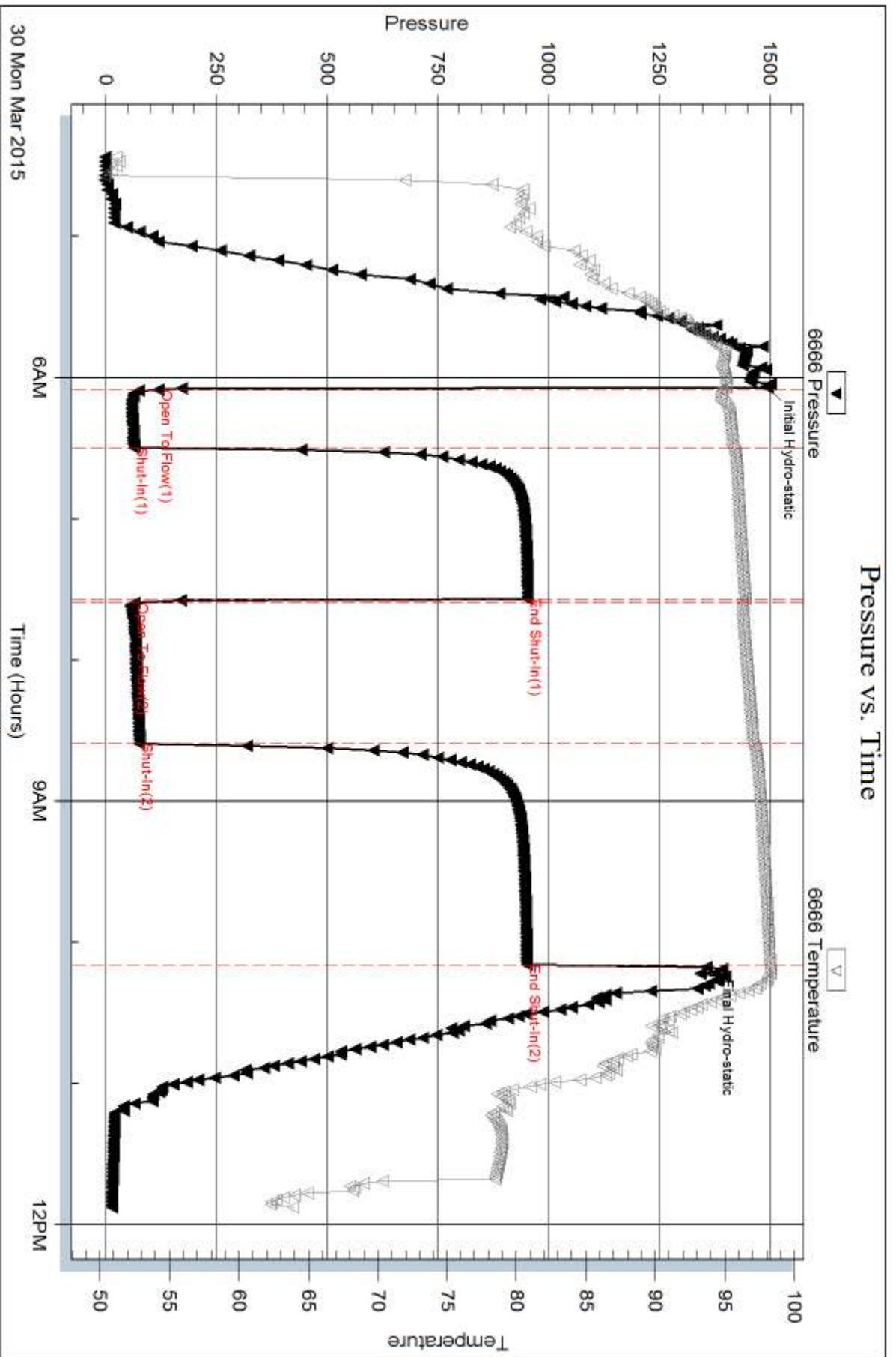
Test Start: 2015.03.30 @ 04:25:00

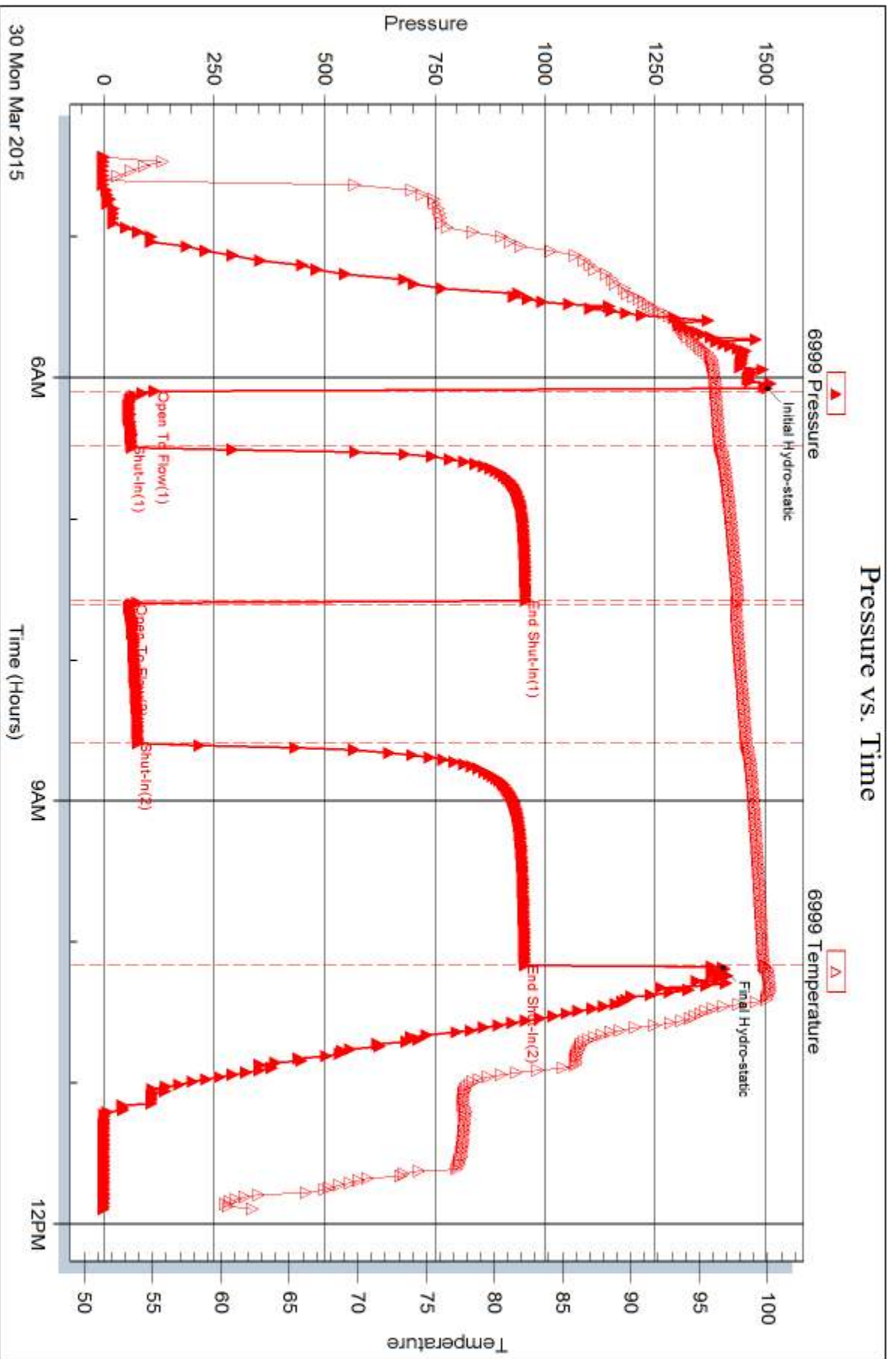
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	20	0.50	1.60	107.93
1	30	0.50	2.80	116.03
2	10	0.50	5.10	131.54
2	20	0.50	3.60	121.42
2	30	0.50	2.90	116.70
2	40	0.50	2.30	112.65
2	50	0.50	1.20	105.23
2	60	0.50	0.60	101.18







DRILL STEM TEST REPORT

Prepared For: **CMX Inc**

1706 N Waterfront Pkwy Bldg 300 Witchat KS
67206

ATTN: Ken Leblanc

Clafin #1-34

34-16-11 Barton,KS

Start Date: 2015.03.30 @ 23:10:00

End Date: 2015.03.31 @ 06:18:30

Job Ticket #: 62915 DST #: 2

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

Printed: 2015.04.03 @ 10:03:18

CMX Inc
34-16-11 Barton,KS
Clafin #1-34
DST # 2
LKC A-B
2015.03.30



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

CMX Inc
 1706 N Waterfront Pkw y Bldg 300 Witchat KS
 67206
 ATTN: Ken Leblanc

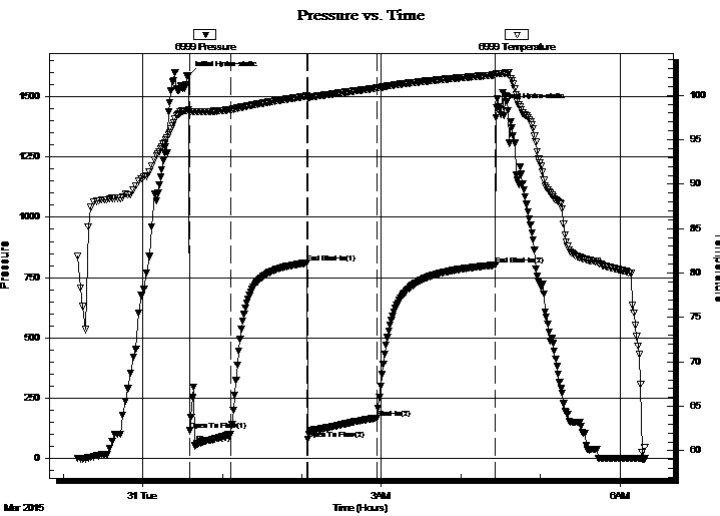
34-16-11 Barton,KS
Claflin #1-34
 Job Ticket: 62915 **DST#: 2**
 Test Start: 2015.03.30 @ 23:10:00

GENERAL INFORMATION:

Formation: **LKC A-B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:35:30
 Time Test Ended: 06:18:30
 Interval: **3103.00 ft (KB) To 3130.00 ft (KB) (TVD)**
 Total Depth: 3130.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 55-Great Bend-65
 Reference Elevations: 1946.00 ft (KB)
 1933.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6999 Outside
 Press@RunDepth: 169.21 psig @ 3105.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2015.03.30 End Date: 2015.03.31 Last Calib.: 2015.03.31
 Start Time: 23:11:00 End Time: 06:18:30 Time On Btm: 2015.03.31 @ 00:34:30
 Time Off Btm: 2015.03.31 @ 04:27:00

TEST COMMENT: IFP-30 Minutes-BOB in 5 minutes
 ISIP-60-Minutes-No blow back
 FFP-45-Minutes-BOB in 1 minutes GTS in 5 minutes see gas report
 FSIP-90 Minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1587.92	98.37	Initial Hydro-static
1	115.94	98.16	Open To Flow (1)
32	102.25	98.40	Shut-In(1)
89	810.69	99.91	End Shut-In(1)
90	81.96	99.80	Open To Flow (2)
142	169.21	100.81	Shut-In(2)
232	802.20	102.30	End Shut-In(2)
233	1452.23	102.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	water 80%w 20%m	0.89
120.00	GOWM 10%g 10%o 60%w 20%m	1.68
180.00	OGMW 20%g 10%o 50%w 20%mud	2.52

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	7.90	8.35
Last Gas Rate	0.13	49.60	23.95
Max. Gas Rate	0.13	49.60	23.95



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

CMX Inc
 1706 N Waterfront Pkw y Bldg 300 Witchat KS
 67206
 ATTN: Ken Leblanc

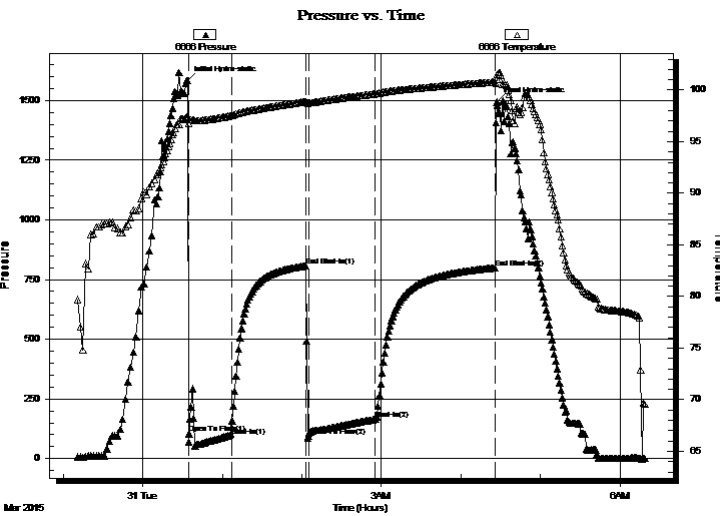
34-16-11 Barton,KS
Claflin #1-34
 Job Ticket: 62915 **DST#: 2**
 Test Start: 2015.03.30 @ 23:10:00

GENERAL INFORMATION:

Formation: **LKC A-B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:35:30
 Time Test Ended: 06:18:30
 Interval: **3103.00 ft (KB) To 3130.00 ft (KB) (TVD)**
 Total Depth: 3130.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 55-Great Bend-65
 Reference Elevations: 1946.00 ft (KB)
 1933.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6666 Inside
 Press@RunDepth: 798.96 psig @ 3104.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2015.03.30 End Date: 2015.03.31 Last Calib.: 2015.03.31
 Start Time: 23:11:00 End Time: 06:18:30 Time On Btm: 2015.03.31 @ 00:34:00
 Time Off Btm: 2015.03.31 @ 04:27:00

TEST COMMENT: IFP-30 Minutes-BOB in 5 minutes
 ISIP-60-Minutes-No blow back
 FFP-45-Minutes-BOB in 1 minutes GTS in 5 minutes see gas report
 FSIP-90 Minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1582.87	97.37	Initial Hydro-static
1	104.01	97.14	Open To Flow (1)
33	130.85	97.53	Shut-In(1)
89	807.22	98.88	End Shut-In(1)
91	93.78	98.75	Open To Flow (2)
142	164.23	99.62	Shut-In(2)
232	798.96	100.77	End Shut-In(2)
233	1493.59	101.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	water 80%w 20%m	0.89
120.00	GOWM 10%g 10%o 60%w 20%m	1.68
180.00	OGMW 20%g 10%o 50%w 20%mud	2.52

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	7.90	8.35
Last Gas Rate	0.13	49.60	23.95
Max. Gas Rate	0.13	49.60	23.95



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc

34-16-11 Barton,KS

1706 N Waterfront Pkw y Bldg 300 Witchat KS
67206

Claflin #1-34

Job Ticket: 62915

DST#: 2

ATTN: Ken Leblanc

Test Start: 2015.03.30 @ 23:10:00

Tool Information

Drill Pipe:	Length: 2922.00 ft	Diameter: 3.80 inches	Volume: 40.99 bbl	Tool Weight:	1000.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 41.88 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3103.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	26.00 ft				
Tool Length:	48.00 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			3086.00	
Hydraulic tool	5.00			3091.00	
Safety Joint	2.00			3093.00	
Packer	5.00			3098.00	22.00 Bottom Of Top Packer
Packer	5.00			3103.00	
Recorder	1.00	6666	Inside	3104.00	
Recorder	1.00	6999	Outside	3105.00	
Anchor	21.00			3126.00	
Bullnose	3.00			3129.00	26.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc

34-16-11 Barton,KS

1706 N Waterfront Pkw y Bldg 300 Witchat KS
67206

Claflin #1-34

Job Ticket: 62915

DST#: 2

ATTN: Ken Leblanc

Test Start: 2015.03.30 @ 23:10:00

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:

85000 ppm

Viscosity: 7.10 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	water 80%w 20%m	0.885
120.00	GOWM 10%g 10%o 60%w 20%m	1.683
180.00	OGMW 20%g 10%o 50%w 20%mud	2.525

Total Length: 480.00 ft Total Volume: 5.093 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 85,000 resistivity



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

CMX Inc

34-16-11 Barton,KS

1706 N Waterfront Pkw y Bldg 300 Witchat KS
67206

Claflin #1-34

Job Ticket: 62915

DST#: 2

ATTN: Ken Leblanc

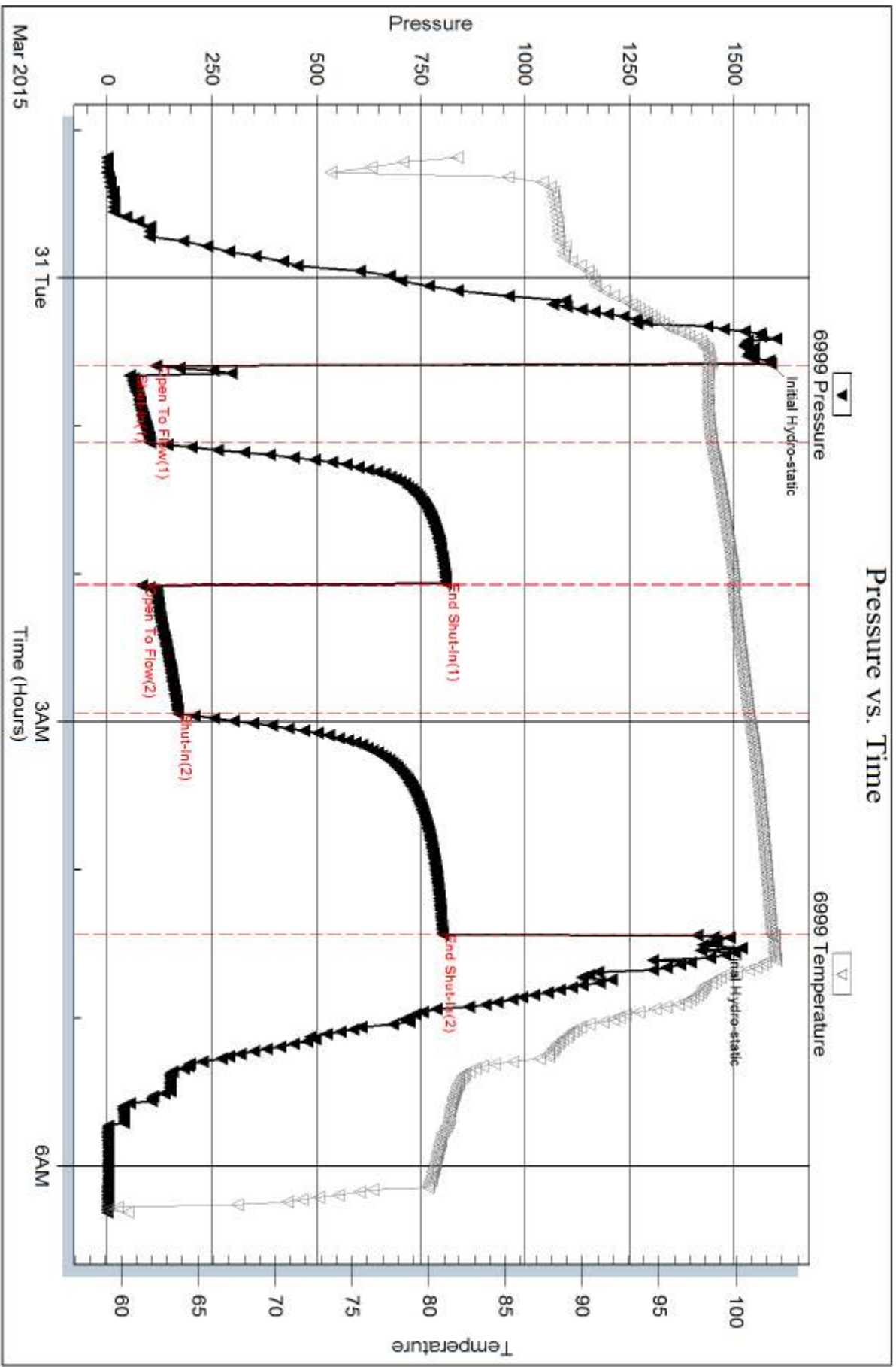
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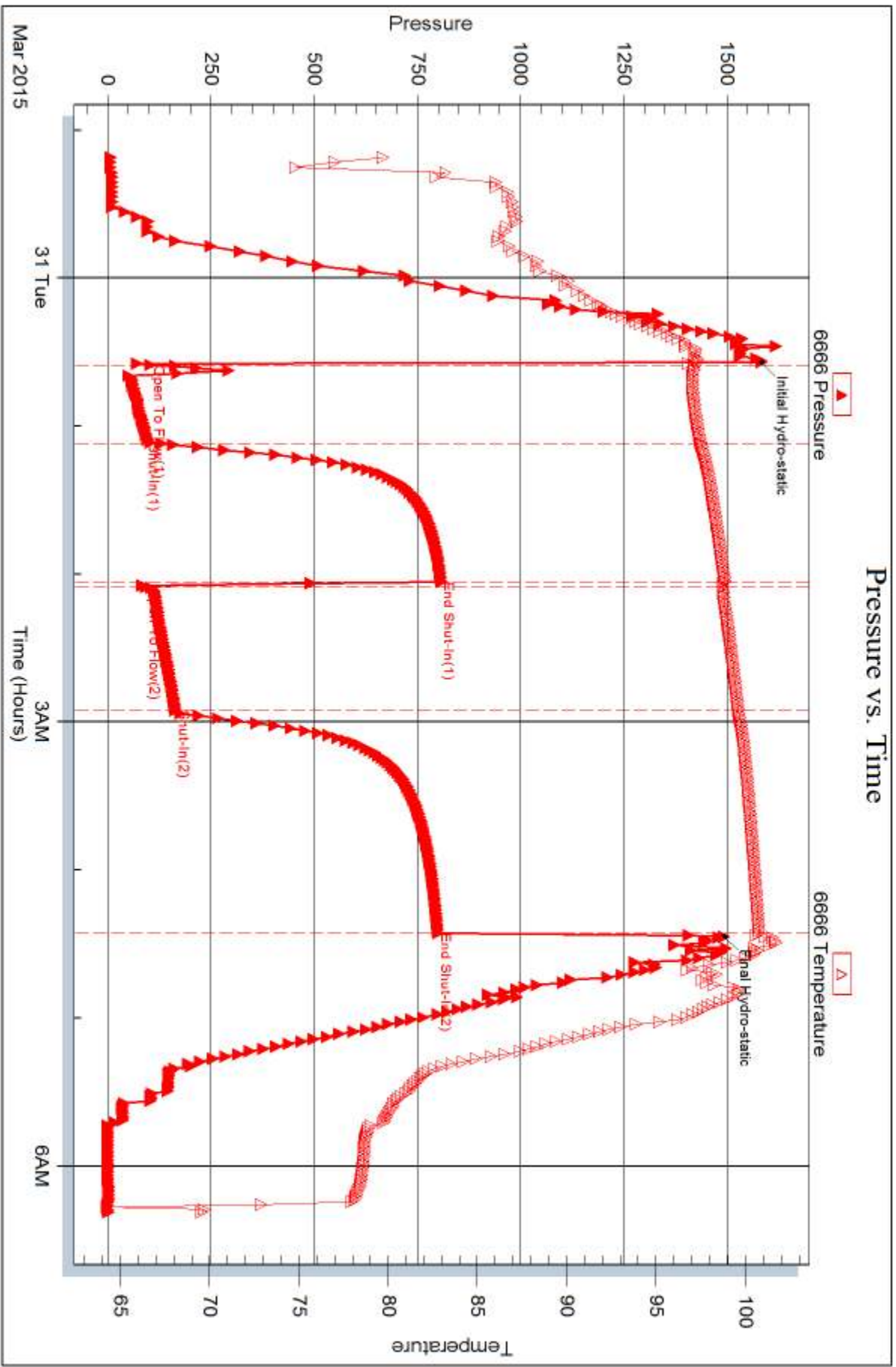
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.13	7.90	8.35
2	20	0.13	13.00	10.26
2	30	0.13	29.70	16.51
2	40	0.13	49.60	23.95







DRILL STEM TEST REPORT

Prepared For: **CMX Inc**

1706 N Waterfront Pkwy Bldg 300 Witchat KS
67206

ATTN: Ken Leblanc

Clafin #1-34

34-16-11 Barton,KS

Start Date: 2015.04.01 @ 14:31:00

End Date: 2015.04.01 @ 22:10:00

Job Ticket #: 62916 DST #: 3

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

Printed: 2015.04.03 @ 09:52:07



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

CMX Inc

34-16-11 Barton,KS

1706 N Waterfront Pkw y Bldg 300 Witchat KS
67206

Claflin #1-34

Job Ticket: 62916

DST#: 3

ATTN: Ken Leblanc

Test Start: 2015.04.01 @ 14:31:00

GENERAL INFORMATION:

Formation: **Arbuckle Dolomite**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:13:30

Time Test Ended: 22:10:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jared Scheck

Unit No: 55

Interval: 3364.00 ft (KB) To 3388.00 ft (KB) (TVD)

Reference Elevations: 1946.00 ft (KB)

Total Depth: 3388.00 ft (KB) (TVD)

1933.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 9999

Inside

Press@RunDepth: 96.21 psig @ 3365.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2015.04.01

End Date:

2015.04.01

Last Calib.:

2015.04.01

Start Time: 14:31:00

End Time:

22:10:00

Time On Btm:

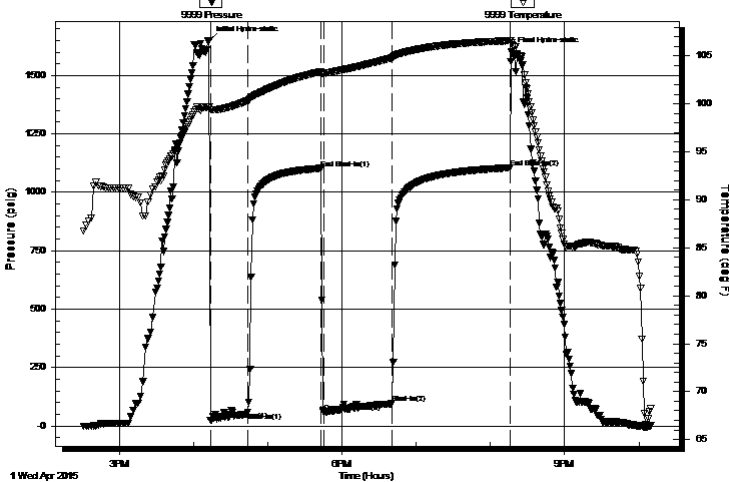
2015.04.01 @ 16:12:30

Time Off Btm:

2015.04.01 @ 20:17:00

TEST COMMENT: IFP-30 Minutes-Weak blow built 1"
ISIP-60 Minutes-No blow back
FFP-60 Minutes-Very weak blow built 2 1/8"
FSIP-90 Minutes-No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1650.50	99.72	Initial Hydro-static
1	23.39	99.40	Open To Flow (1)
31	59.47	100.34	Shut-In(1)
91	1102.51	103.37	End Shut-In(1)
93	59.52	103.19	Open To Flow (2)
148	96.21	104.80	Shut-In(2)
243	1104.79	106.59	End Shut-In(2)
245	1603.06	106.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GO M 30% Gas 50% Oil 20% Mud	0.30
120.00	GO M 10% G 60% Oil 30% Mud	0.59
60.00	Clean Oil	0.84

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

34-16-11 Barton,KS

1706 N Waterfront Pkw y Bldg 300 Witchat KS
67206

Claflin #1-34

Job Ticket: 62916

DST#: 3

ATTN: Ken Leblanc

Test Start: 2015.04.01 @ 14:31:00

Tool Information

Drill Pipe:	Length: 3175.00 ft	Diameter: 3.80 inches	Volume: 44.54 bbl	Tool Weight: 1000.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 45.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3364.00 ft			Final 65000.00 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			3347.00	
Hydraulic tool	5.00			3352.00	
Safety Joint	2.00			3354.00	
Packer	5.00			3359.00	22.00 Bottom Of Top Packer
Packer	5.00			3364.00	
Recorder	1.00	9999	Inside	3365.00	
Recorder	1.00	6999	Outside	3366.00	
Anchor	19.00			3385.00	
Bullnose	3.00			3388.00	24.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc

34-16-11 Barton,KS

1706 N Waterfront Pkw y Bldg 300 Witchat KS
67206

Claflin #1-34

Job Ticket: 62916

DST#: 3

ATTN: Ken Leblanc

Test Start: 2015.04.01 @ 14:31:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

45 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 76.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	GO M 30%Gas 50% Oil 20% Mud	0.295
120.00	GO M 10%G 60%Oil 30%Mud	0.590
60.00	Clean Oil	0.842

Total Length: 240.00 ft Total Volume: 1.727 bbl

Num Fluid Samples: 0

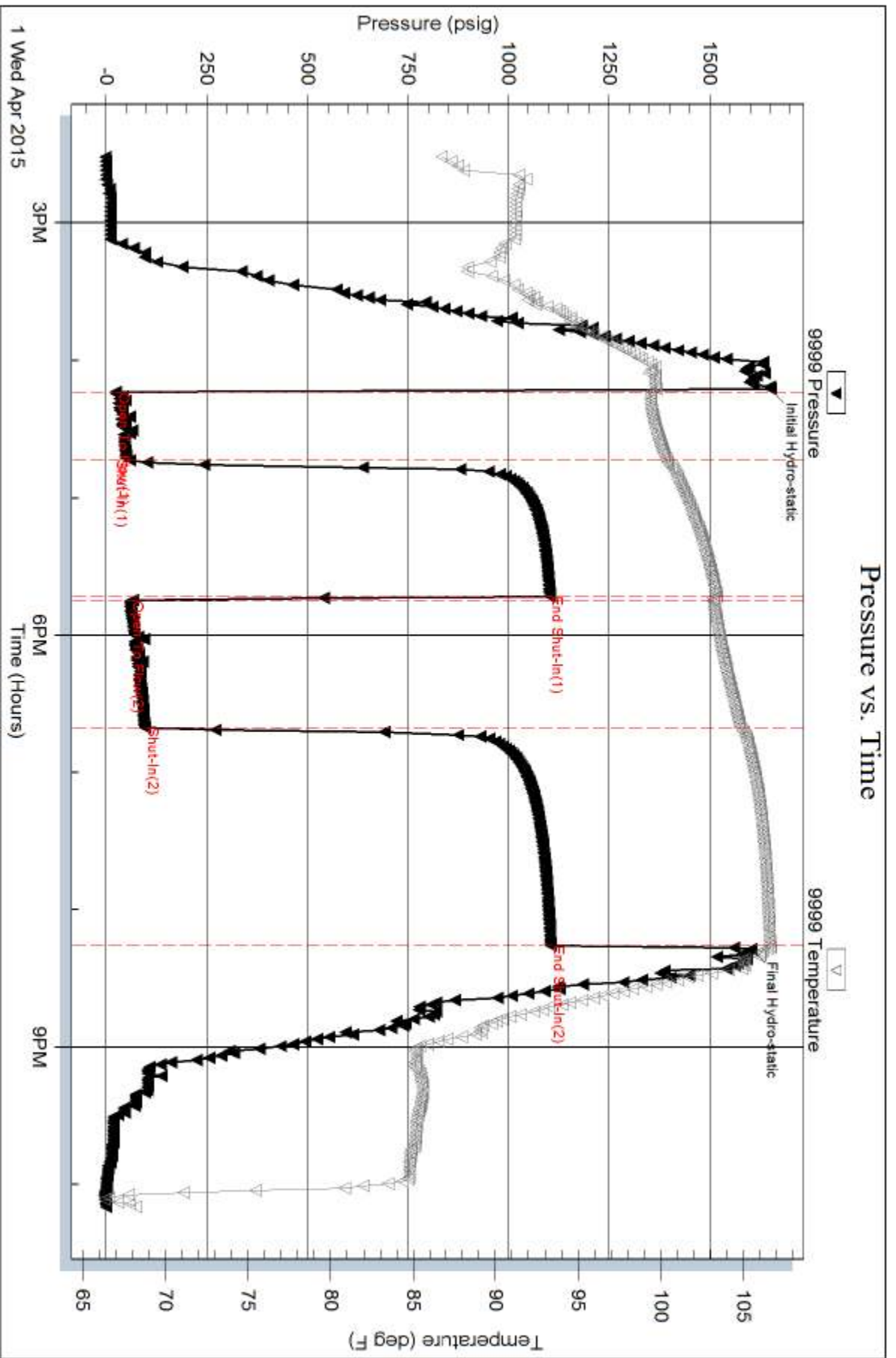
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 45 Gravity





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62914

Well Name & No. Claflin # A-34 Test No. 1 Date 3-30-
 Company CMX Inc Elevation 1946 KB 1933 GL
 Address 1706 N Waterfront Pkwy Bldg 300B Wichita KS 67206
 Co. Rep / Geo. Ken Leblanc Rig Duke Drilling Rig #7
 Location: Sec. 34 Twp. 1C Rge. 11 Co. Barton State KS

Interval Tested 2984 - 3020 Zone Tested Toronto
 Anchor Length 36 Drill Pipe Run _____ Mud Wt. 4
 Top Packer Depth 2979 Drill Collars Run _____ Vis 6
 Bottom Packer Depth 2984 Wt. Pipe Run _____ WL 10.6
 Total Depth 3020 Chlorides 3.200 ppm System LCM _____

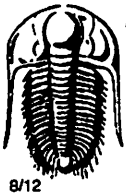
Blow Description FFP - Strong Blow Built Bottom of Bucket in 1 minute Gas Report
ESIP - NO Blow Back
FFP - Strong Blow Built Bottom of Bucket in 1 minute gas Report
FSIP - NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>200</u>	<u>GM W</u>	<u>10</u>		<u>60</u>	<u>30</u>
<u>2965</u>	<u>Gas in pipe</u>				
____	____	%gas	%oil	%water	%mud
____	____	%gas	%oil	%water	%mud
____	____	%gas	%oil	%water	%mud

Rec Total _____ BHT _____ Gravity _____ API RW 15 @ 67 °F Chlorides 34,000 ppm

(A) Initial Hydrostatic 14.95 Test 1050 T-On Location 4:25 AM
 (B) First Initial Flow 118 Jars _____ T-Started 5:00 AM
 (C) First Final Flow 63 Safety Joint 75 T-Open 6:35 AM
 (D) Initial Shut-In 953 Circ Sub _____ T-Pulled 10:35 AM
 (E) Second Initial Flow 65 Hourly Standby _____ T-Out 13 1/2 max Gas Gauge
 (F) Second Final Flow 75 Mileage 65 RT Great Bend Comments 2 Gas Samples
 (G) Final Shut-In 951 Sampler 65 was taken
 (H) Final Hydrostatic 1357 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 1190
 Final Flow 60 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 90 Sub Total 1190

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

Gas Volume Report

CM X Inc

Operator

Clafin # 1-34

Well Name and No.

1

DST No.

#1 Oper				#2 Oper			
Min.	Ins. of Water PSIG	Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	CF/D
20	9 psi	.50	108	10	12.5	.50	131 ^{1/2}
30	10psi	.50	116	20	11	.50	121
			Gas Sample was taken #1 Sample	30	10	.50	116
				40	9.5	.50	112
				50	8.5	.50	105
				60	8	.50	101
							Gas Sample was taken #2 Sample

Remarks: 2 Gas Samples was taken



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62915

Well Name & No. Clafin # 1-34 Test No. 2 Date 3/31/15
 Company CMAI Inc Elevation 1946 KB 1933 GL
 Address 1706 N Waterfront Pkwy Bldg 300B Wichita KS
 Co. Rep / Geo. Ken Leblanc Rig Duke Drilling Rig # 7
 Location: Sec. 34 Twp. 16 Rge. 11 Co. Barber State KS

Interval Tested 3103 - 3130 Zone Tested Lansing AC A-B
 Anchor Length 27 Drill Pipe Run 244 Mud Wt. 9
 Top Packer Depth 3098 Drill Collars Run _____ Vis 7.10
 Bottom Packer Depth 3103 Wt. Pipe Run _____ WL 10-2
 Total Depth 3130 Chlorides 2800 ppm System LCM _____

Blow Description IFP - Strong Blow Built Bottom of Bucket in 5 minutes
ISTP - NO Blow Back
IFP - Strong Blow Built Bottom of Bucket in 1 minute
FSTP - NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>180</u>	<u>06 c m v</u>	<u>20</u>	<u>10</u>	<u>50</u>	<u>20</u>
<u>120</u>	<u>60 W M</u>	<u>10</u>	<u>10</u>	<u>60</u>	<u>20</u>
<u>180</u>	<u>water</u>			<u>80</u>	<u>10</u>
<u>2442</u>	<u>Gas in pipe</u>				

Rec Total _____ BHT _____ Gravity _____ API RW -8 @ 68 °F Chlorides 85,000 ppm

- (A) Initial Hydrostatic 1587
- (B) First Initial Flow 115
- (C) First Final Flow 102
- (D) Initial Shut-In 810
- (E) Second Initial Flow 81
- (F) Second Final Flow 169
- (G) Final Shut-In 802
- (H) Final Hydrostatic 1452

- Test 1050
- Jars _____
- Safety Joint 75
- Circ Sub _____
- Hourly Standby _____
- Mileage 65 RT Great Basin
- Sampler 65
- Straddle _____
- Shale Packer _____
- Extra Packer _____
- Extra Recorder _____
- Day Standby _____
- Accessibility _____
- Sub Total 1190

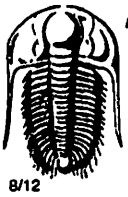
T-On Location 11:40 10:50
 T-Started 11:55 11:10
 T-Open 12:35
 T-Pulled 4:20
 T-Out 6:18

Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1190
 MP/DST Disc't _____

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

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Gas Volume Report

CMX Inc
Operator

Clafin #1-34
Well Name and No.

#2
DST No.

Min.	Ins. of Water PSIG	Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	CF/D
10	8		8.30				
20	11		10.0				
30	24		16.5				
40	41		23.8				

Remarks: Gas le minutes into 2nd open Gas sample w/stack



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62916

Well Name & No. Clafflin # 1-34 Test No. 3 Date 7-1-2015
 Company CMX Inc Elevation 1946 KB 1933 GL
 Address 1706 N Waterfront PKWY Bldg 300B Wichita KS 67206
 Co. Rep / Geo. Ken Heblanc Rig Duke Drilling Rig # 7
 Location: Sec. 34 Twp. 16 Rge. 11 Co. Barton State KS

Interval Tested 3364-3388 Zone Tested Articulate Dolomite
 Anchor Length 24 Drill Pipe Run _____ Mud Wt. 9
 Top Packer Depth 3324 Drill Collars Run _____ Vis 6.1
 Bottom Packer Depth 3364 Wt. Pipe Run _____ WL 11.4
 Total Depth 3388 Chlorides 3400 ppm System LCM

Blow Description I FP - Weak Blow Built' line into water in 30 minutes
ISIP - NO Blow Back
FFP - Very Weak Blow Built to 2 1/8" in bucket
FSIP - NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>60 cm</u>	<u>30</u>	<u>50</u>	<u>20</u>	<u>0</u>
<u>60</u>	<u>60 cm</u>	<u>10</u>	<u>60</u>	<u>30</u>	<u>0</u>
<u>60</u>	<u>60 cm</u>	<u>10</u>	<u>60</u>	<u>30</u>	<u>0</u>
<u>5</u>	<u>clean oil</u>				

Rec Total 185 BHT 106 Gravity 45 API RW corrected @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 11650
 (B) First Initial Flow 23
 (C) First Final Flow 59
 (D) Initial Shut-In 1102
 (E) Second Initial Flow 59
 (F) Second Final Flow 96
 (G) Final Shut-In 1104
 (H) Final Hydrostatic 11603

Test 1050
 Jars _____
 Safety Joint 75
 Circ Sub _____
 Hourly Standby _____
 Mileage 65 RT Grabber
 Sampler 65
 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1190

T-On Location 2:00pm
 T-Started 2:30pm
 T-Open 4:10pm
 T-Pulled 8:10
 T-Out _____
 Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 1190
 Total _____
 MP/DST Disc't _____

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

Approved By Ken Heblanc Our Representative [Signature]

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