

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1259418
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
-----------------------------------	-----------------	---

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: _____

1259418



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
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
----------------	-------	---------	------------	---

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	CMX, Inc.
Well Name	Bushton 1-20
Doc ID	1259418

All Electric Logs Run

Neutron Density
Induction
Micro
Sonic



BASIC
ENERGY SERVICES

PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1000793	1718	05/15/2015
INVOICE NUMBER			
91810451			

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 Bushton 1-20
 O LOCATION
 B COUNTY Ellsworth
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40841365	19905		Net - 30 days	06/14/2015

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 05/14/2015 to 05/14/2015				
0040841365				
171811964A Cement-New Well Casing/Pi 05/14/2015 Cement 8 5/8" Surface				
60/40 POZ	240.00	EA	5.40	1,295.91 T
Celloflake	61.00	EA	1.66	101.56 T
Calcium Chloride	621.00	EA	0.47	293.40 T
"Wooden Cmt Plug, 8 5/8""	1.00	EA	71.99	71.99
"Unit Mileage Chg (PU, cars one way)"	65.00	MI	2.02	131.62
Heavy Equipment Mileage	130.00	MI	3.37	438.72
"Proppant & Bulk Del. Chgs., per ton mil	673.00	EA	1.12	757.07
Depth Charge; 0-500'	1.00	EA	449.97	449.97
Blending & Mixing Service Charge	240.00	BAG	0.63	151.19
Plug Container Util. Chg.	1.00	EA	112.49	112.49
"Service Supervisor, first 8 hrs on loc.	1.00	EA	78.74	78.74

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	3,882.66
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	120.90
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	4,003.56
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 11964 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>5-14-15</u> DISTRICT <u>Pratt</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>CRUX inc</u>		LEASE <u>Bush 101</u> WELL NO. <u>1</u>							
ADDRESS		COUNTY <u>Ellsworth</u> STATE <u>K.</u>							
CITY STATE		SERVICE CREW <u>MARTIN, McGraw, Sams</u>							
AUTHORIZED BY		JOB TYPE: <u>CRW 8 5/8 SURV</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>19905</u>	<u>.5</u>						<u>5-13-15</u>	<u>PM</u>	<u>1:30</u>
						ARRIVED AT JOB	<u>5-14</u>	<u>AM</u>	<u>12:30</u>
<u>1-718</u>	<u>.5</u>					START OPERATION	<u>5-14</u>	<u>AM</u>	<u>2:00</u>
						FINISH OPERATION	<u>5-14</u>	<u>AM</u>	<u>2:30</u>
						RELEASED	<u>5-14</u>	<u>AM</u>	<u>3:30</u>
						MILES FROM STATION TO WELL			<u>6.1</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: [Signature]
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CR103	60/40 P#2	SK	240		2,880 00
CC102	Cellulose	lb	61		225 70
CC109	Calcium chloride	lb	621		652 05
CR153	wooden plug 8 5/8	ea	1		160 00
E100	P.W. Miles	Mi	6.1		292 50
E101	Heavy eq miles	Mi	13.0		975 00
E113	fuel + bulk del	Tr	673		1,681 88
C-201	Depth charge 2-300'	4hr	1		1,000 00
C-240	blend + mix charge	SK	240		336 00
C-504	Plug cost	Job	1		250 00
S003	Supervisor	ea	1		175 00

SUB TOTAL 5,609 13

CHEMICAL / ACID DATA:			

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

TOTAL 3,882 66

SERVICE REPRESENTATIVE <u>[Signature]</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>[Signature]</u>
---	--

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1000793	1718	05/21/2015
INVOICE NUMBER			
91814351			

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

LEASE NAME Bushton 1-20
 LOCATION
 COUNTY Ellsworth
 STATE KS
 JOB DESCRIPTION Cement-New Well Casing/Pi
 JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40842745	19843		Net - 30 days	06/20/2015

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 05/20/2015 to 05/20/2015				
0040842745				
171812262A Cement-New Well Casing/Pi 05/20/2015 Cement 5 1/2" Longstring				
AA2 Cement	175.00	EA	7.65	1,338.75 T
60/40 POZ	50.00	EA	5.40	270.00 T
C-41P	33.00	EA	1.80	59.40 T
Salt	810.00	EA	0.23	182.25 T
Cement Friction Reducer	50.00	EA	2.70	135.00 T
FLA-322	83.00	EA	3.37	280.12 T
Gilsonite	875.00	EA	0.30	263.81 T
Mud Flush	500.00	EA	0.68	337.50 T
"Latch Down Plug & Baffle, 5 1/2" (Blue)	1.00	EA	180.00	180.00
Cementing Shoe Packer Type, 5 1/2" Blue	1.00	EA	1,260.00	1,260.00
"Turbolizer, 5 1/2" (Blue)"	10.00	EA	49.50	495.00
"5 1/2" Basket (Blue)"	1.00	EA	130.50	130.50
"Unit Mileage Chg (PU, cars one way)"	65.00	MI	2.03	131.63
Heavy Equipment Mileage	130.00	MI	3.38	438.75
"Proppant & Bulk Del. Chgs., per ton mil	676.00	EA	1.13	760.50
Depth Charge; 3001-4000'	1.00	EA	972.00	972.00
Blending & Mixing Service Charge	225.00	BAG	0.63	141.75
Plug Container Util. Chg.	1.00	EA	112.50	112.50
"Service Supervisor, first 8 hrs on loc.	1.00	EA	78.75	78.75

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	7,568.21
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	204.98
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	7,773.19
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 12262 A

20-175-94

DATE _____ TICKET NO. _____

DATE OF JOB: 5-20-2015		DISTRICT: P99+1, K5		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: Bushton				WELL NO. 1-20		
ADDRESS:				COUNTY: Ellsworth		STATE: KS				
CITY:				STATE:		SERVICE CREW: Dsrin, Ed, Bescher				
AUTHORIZED BY:				JOB TYPE: CNU 5 1/2 Longstrings						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM/PM	TIME	
19843	1/2						5:20	PM	7:00	
19862	1/4					ARRIVED AT JOB	5:20	AM	10:00	
						START OPERATION	5:20	AM	3:00	
						FINISH OPERATION	5:20	AM	3:30	
						RELEASED	5:20	AM	4:30	
						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: *Karl B...*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP105	AP 2 Cement	SK	175		2,975 00
CP103	60/40 P02	SK	50		600 00
CC105	C-411P	Lb	33		132 00
CC111	591+	Lb	810		405 25
CC112	Cement Friction Reducer	Lb	50		300 00
CC129	FLA-322	Lb	83		622 50
CC201	Gilsonite	Lb	875		386 25
CF607	Latch Down Plug & BSSK 5 1/2 (Blue)	ES	1		400 00
CF1051	Cementing Shoe Deceler Type, 5 1/2 (Blue)	ES	1		2,800 00
CF1651	Turbolizers, 5 1/2 (Blue)	ES	10		1,100 00
CF1901	5 1/2 BSSKs	ES	1		296 00
CC151	Mud Flush	GSI	500		750 00
E100	Unit mileage charge - P. clips, SASSIUS, + CSIS	M.	65		292 50
E101	Heavy Equipment Mileage	M.	130		975 00
F113	Proposed cont Bulk Delivery Charges, Drilling Mile	T/M	676		1,690 00
CE204	Depth Charge; 300' - 400'	4hr	1		216 00
CE240	Blending Mixing Service Charge	SK	225		315 00
CE504	Plus container UT 1125' on Charge	Job	1		250 00
SC03	Service Supervisor Fee & his on fee	ES	1		175 00
SUB TOTAL					16,518 25

CHEMICAL / ACID DATA.			

SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
Discarded		TOTAL	7,568 21

SERVICE REPRESENTATIVE: *Debra K...* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Karl B...*

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

BASIC

energy services, L.P.

TREATMENT REPORT

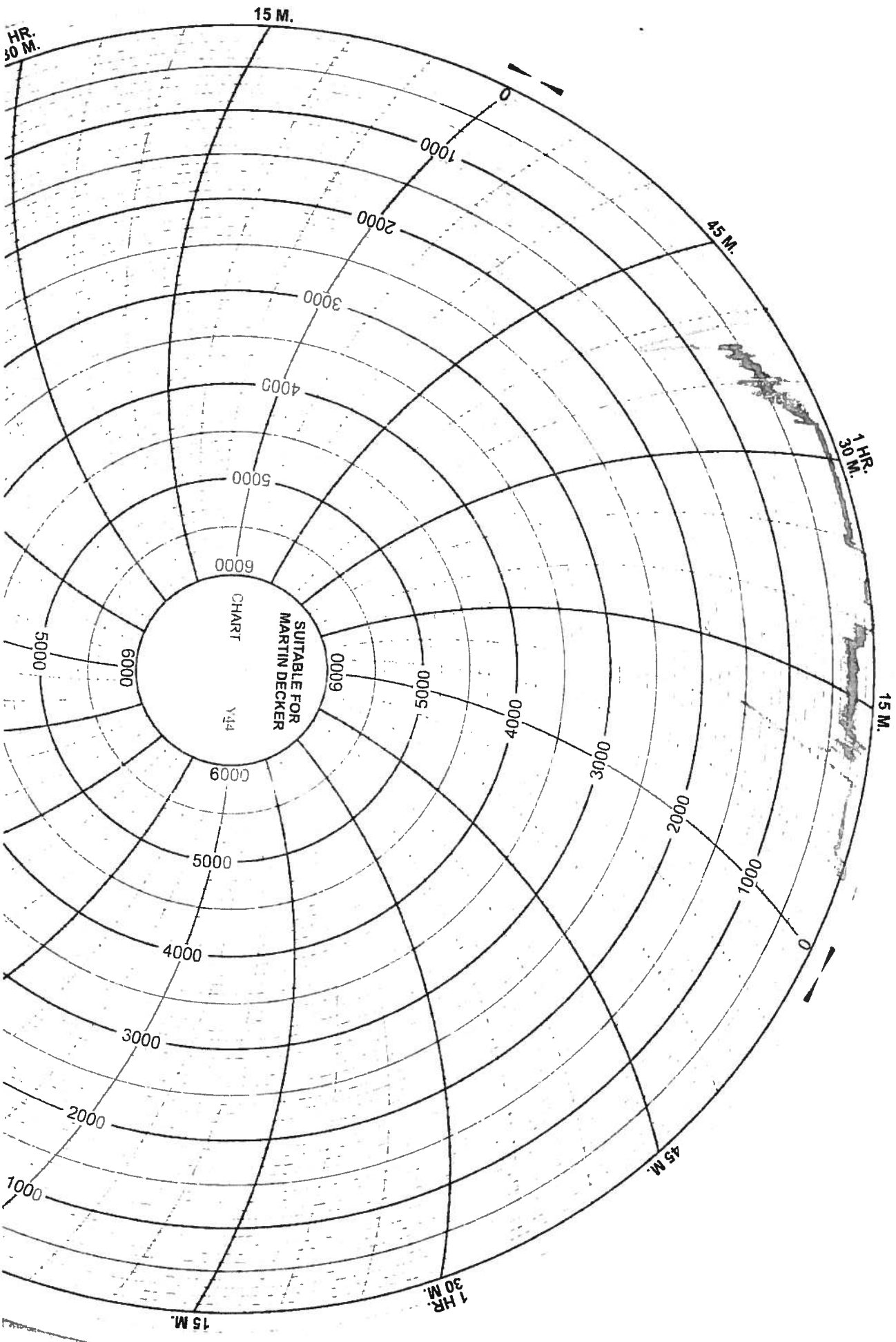
Customer Cmx, Inc	Lease No.	Date 5-20-2015
Lease Bushton	Well # 1-20	
Field Order # 12262	Station Pratt, KS	Casing 5 1/2
		Depth 3343
		County Ellsworth
		State KS
Type Job CNW / SKO Longstring	Formation TD-3320	Legal Description 20-17s-9w

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2								
Depth 3343	Depth	From	To	Pre Pad	Max		5 Min.	
Volume 7 1/2	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 3323	Packer Depth	From	To	Flush Freshwater	Gas Volume		Total Load	

Customer Representative Keith	Station Manager Kevin Goreley	Treater Darin Franklin
--------------------------------------	--------------------------------------	-------------------------------

Service Units	9291	84981	19843	19960	18862				
Driver Names	Darin	Ed	Ed	Boschy	Boschy				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:00am					on location / safety meetings
					5 1/2 casing - set at 3318 - 3343' casing
					C: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20
					B-112
					1755k PA2 cement, .5% Fluid loss, 10% SSF
					. 2% Dosponer, .5% Friction Reducer, 5 lb/sk
					Gilsonite, 15.3 ppz, 1.36 vol. 12, 5.54 water
3:00pm	350		5	6	Pump 5 bbls water
	350		12	6	12 bbls mud flush
	350		5	6	5 bbls water
	350		42	6	mix 1755k cement
					Shut down
					wash pump & lines
					Release plug
	150		0	6	Start displacement
	400		53	6	Libt pressure
	500		70	3	slow rate
3:30	1500		79	3	Bump plug
					Release
	100		7	3	Plug set + mouse hole + wash up, P.S Down
4:30					Job complete / Darin & crew





DRILL STEM TEST REPORT

Prepared For: **CMX Inc**

1700 N Water Front Pkwy Bldg 300B Wichita
KS 67206

ATTN: Ken Leblanc

Bushton #1-20

26-17s-9w Ellsworth,KS

Start Date: 2015.05.17 @ 05:00:00

End Date: 2015.05.17 @ 10:33:00

Job Ticket #: 62921 DST #: 1

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

Printed: 2015.05.20 @ 09:30:55



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

CMX Inc

26-17s-9w Ellsworth,KS

1700 N Water Front Pkw y Bldg 300B Wichita KS
67206

Bushton #1-20

Job Ticket: 62921

DST#: 1

ATTN: Ken Leblanc

Test Start: 2015.05.17 @ 05:00:00

GENERAL INFORMATION:

Formation: **LKC B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:23:30

Time Test Ended: 10:33:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 55

Interval: 2898.00 ft (KB) To 2920.00 ft (KB) (TVD)

Reference Elevations: 1773.00 ft (KB)

Total Depth: 2920.00 ft (KB) (TVD)

1765.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6666

Inside

Press@RunDepth: 212.51 psig @ 2916.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2015.05.17

End Date:

2015.05.17

Last Calib.:

2015.05.17

Start Time: 05:01:00

End Time:

10:33:00

Time On Btm:

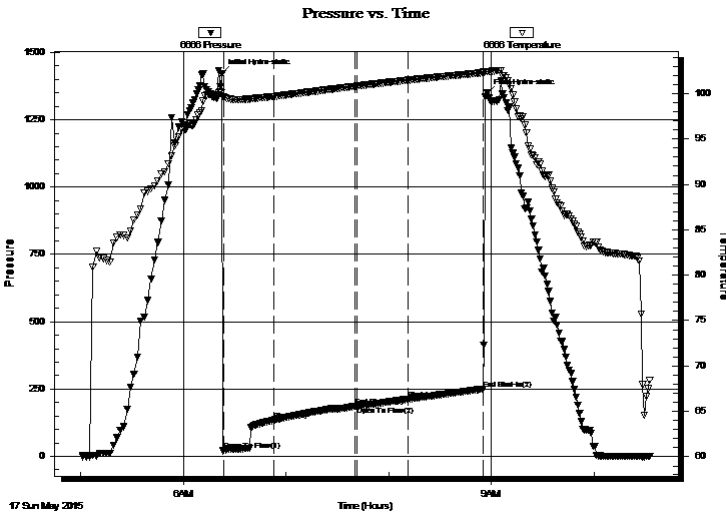
2015.05.17 @ 06:22:30

Time Off Btm:

2015.05.17 @ 08:57:30

TEST COMMENT: IFP-30 Minutes-Weak blow built 2 1/2"
ISIP-45 Minutes-No blow back
FFP-30 Minutes-Very weak surge did not build
FSIP-45 Minutes-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1421.99	100.11	Initial Hydro-static
1	22.73	99.67	Open To Flow (1)
31	134.80	99.69	Shut-In(1)
78	185.00	100.79	End Shut-In(1)
79	186.43	100.83	Open To Flow (2)
109	212.51	101.48	Shut-In(2)
153	250.05	102.29	End Shut-In(2)
155	1348.59	102.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.05

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

CMX Inc

26-17s-9w Ellsworth,KS

1700 N Water Front Pkw y Bldg 300B Wichita KS 67206

Bushton #1-20

ATTN: Ken Leblanc

Job Ticket: 62921

DST#: 1

Test Start: 2015.05.17 @ 05:00:00

GENERAL INFORMATION:

Formation: **LKC B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:23:30

Time Test Ended: 10:33:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 55

Interval: 2898.00 ft (KB) To 2920.00 ft (KB) (TVD)

Reference Elevations: 1773.00 ft (KB)

Total Depth: 2920.00 ft (KB) (TVD)

1765.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8400 Outside

Press@RunDepth: 253.21 psig @ 2917.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2015.05.17 End Date: 2015.05.17

Last Calib.: 2015.05.17

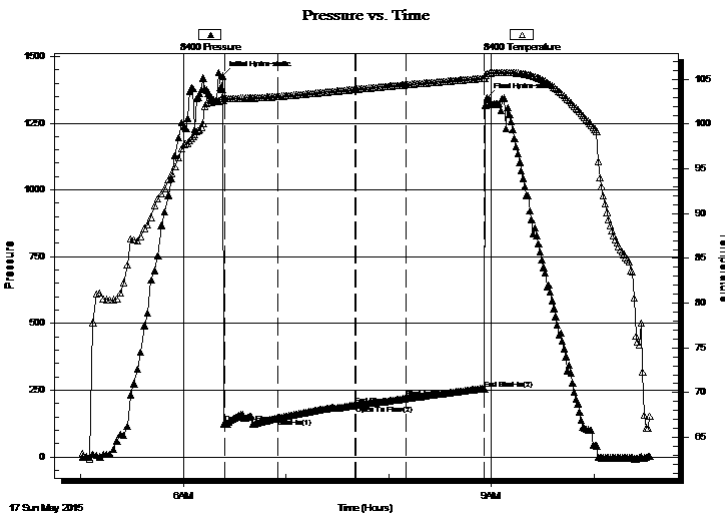
Start Time: 05:01:00 End Time: 10:33:00

Time On Btm: 2015.05.17 @ 06:23:00

Time Off Btm: 2015.05.17 @ 08:57:30

TEST COMMENT: IFP-30 Minutes-Weak blow built 2 1/2"
 ISIP-45 Minutes-No blow back
 FFP-30 Minutes-Very weak surge did not build
 FSIP-45 Minutes-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1426.54	103.10	Initial Hydro-static
1	125.35	102.81	Open To Flow (1)
32	145.76	103.09	Shut-In(1)
77	193.82	103.87	End Shut-In(1)
78	194.40	103.89	Open To Flow (2)
107	218.85	104.40	Shut-In(2)
153	253.21	105.12	End Shut-In(2)
155	1344.72	105.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc

26-17s-9w Ellsworth,KS

1700 N Water Front Pkwy Bldg 300B Wichita KS
67206

Bushton #1-20

Job Ticket: 62921

DST#: 1

ATTN: Ken Leblanc

Test Start: 2015.05.17 @ 05:00:00

Tool Information

Drill Pipe:	Length: 2706.00 ft	Diameter: 3.80 inches	Volume: 37.96 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: 56000.00 lb
			<u>Total Volume: 38.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	2898.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	44.00 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			2881.00	
Hydraulic tool	5.00			2886.00	
Safety Joint	2.00			2888.00	
Packer	5.00			2893.00	22.00 Bottom Of Top Packer
Packer	5.00			2898.00	
Anchor	17.00			2915.00	
Recorder	1.00	6666	Inside	2916.00	
Recorder	1.00	8400	Outside	2917.00	
Bullnose	3.00			2920.00	22.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc

26-17s-9w Ellsworth,KS

1700 N Water Front Pkw y Bldg 300B Wichita KS
67206

Bushton #1-20

Job Ticket: 62921

DST#: 1

ATTN: Ken Leblanc

Test Start: 2015.05.17 @ 05:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.56 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

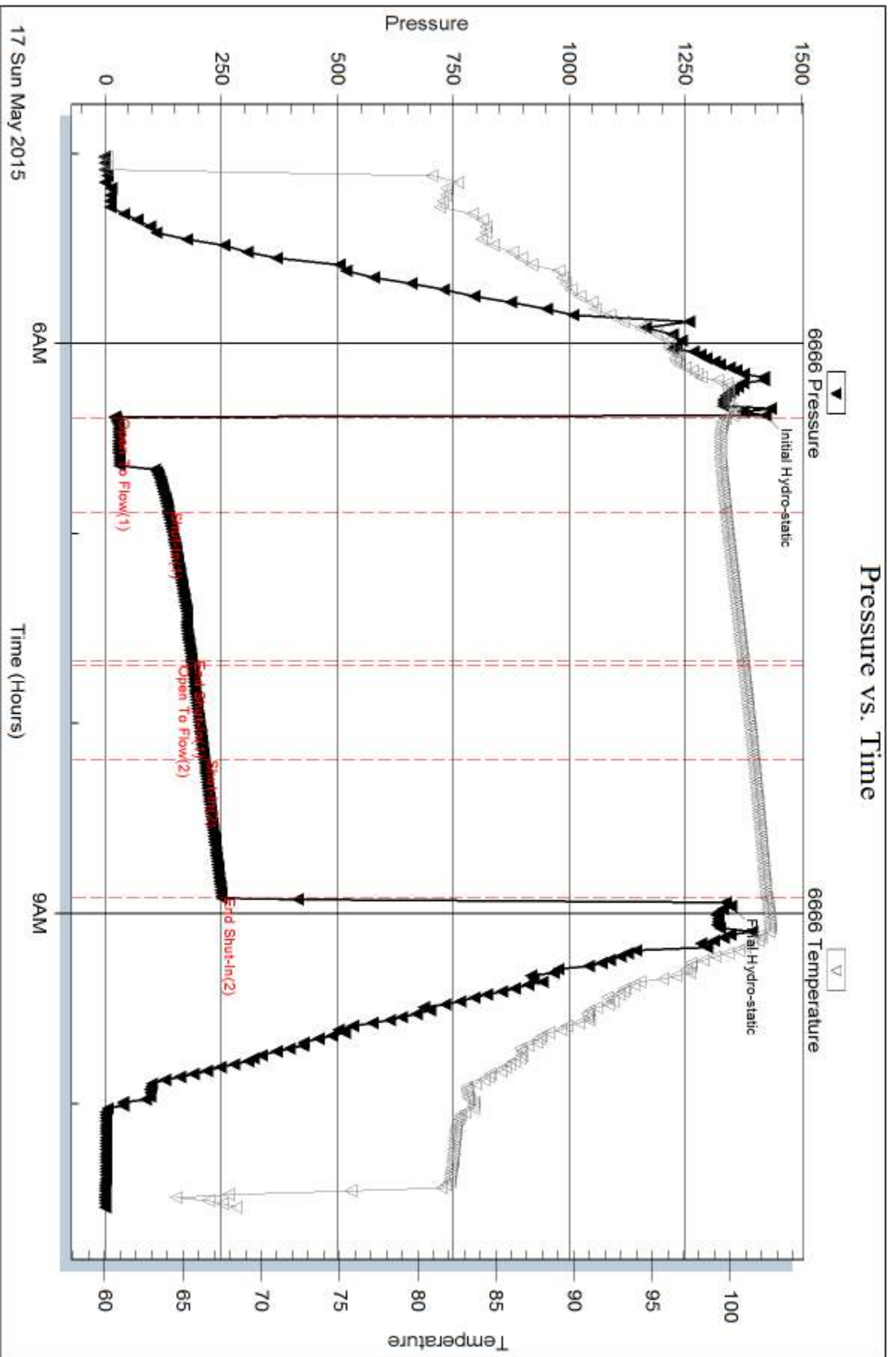
Num Gas Bombs: 0

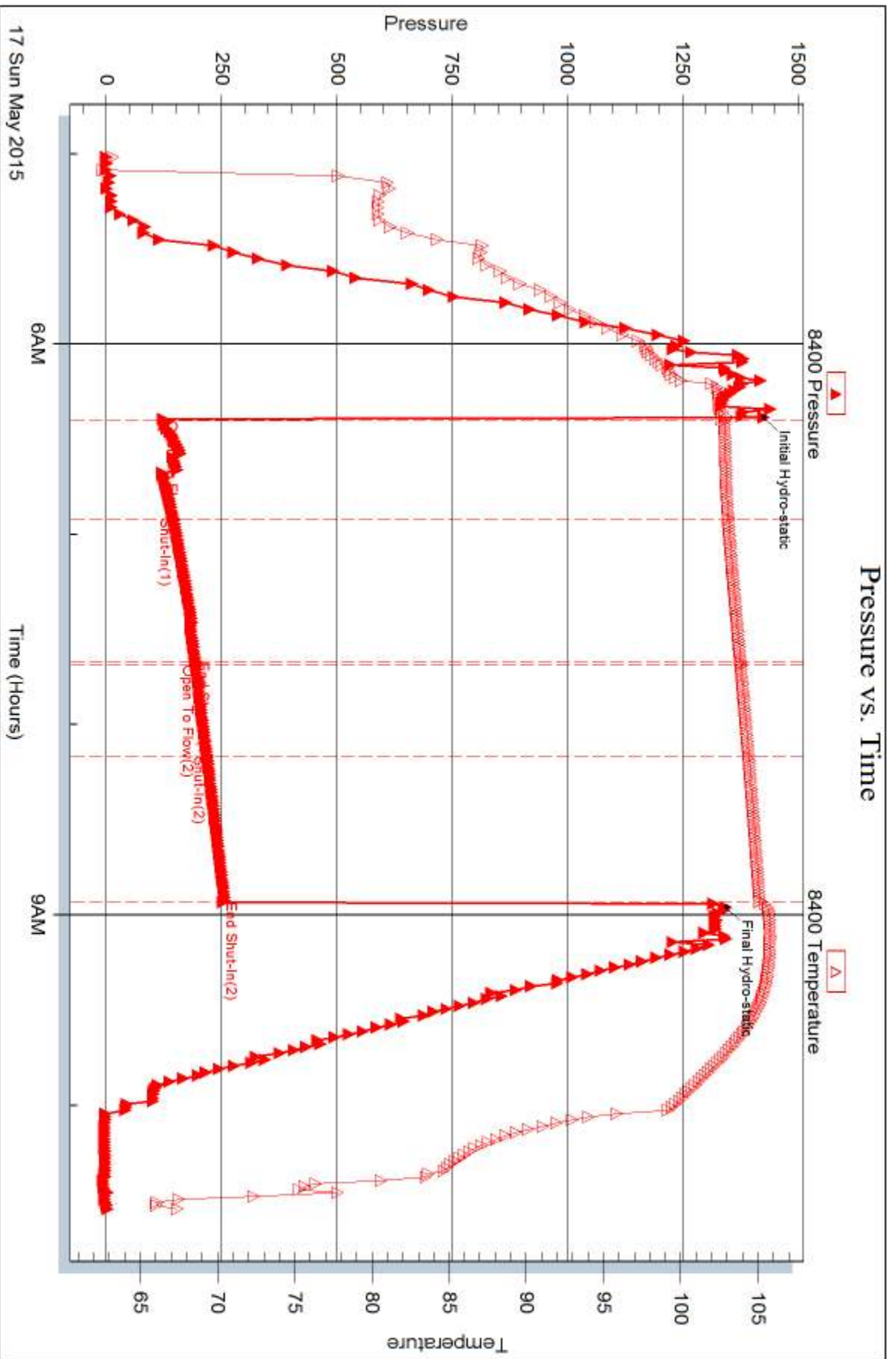
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **CMX Inc**

1700 N Water Front Pkwy Bldg 300B Wichita
KS 67206

ATTN: Ken Leblanc

Bushton #1-20

26-17s-9w Ellsworth,KS

Start Date: 2015.05.18 @ 09:15:00

End Date: 2015.05.18 @ 16:38:00

Job Ticket #: 62922 DST #: 2

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

Printed: 2015.05.20 @ 09:29:56



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

CMX Inc

26-17s-9w Ellsworth,KS

1700 N Water Front Pkw y Bldg 300B Wichita KS 67206

Bushton #1-20

ATTN: Ken Leblanc

Job Ticket: 62922

DST#: 2

Test Start: 2015.05.18 @ 09:15:00

GENERAL INFORMATION:

Formation: **Simpson Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:05:30

Time Test Ended: 16:38:00

Test Type: Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 55

Interval: 3168.00 ft (KB) To 3222.00 ft (KB) (TVD)

Reference Elevations: 1773.00 ft (KB)

Total Depth: 3222.00 ft (KB) (TVD)

1765.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8400

Inside

Press@RunDepth: 157.72 psig @ 3218.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2015.05.18

End Date:

2015.05.18

Last Calib.:

2015.05.18

Start Time: 09:16:00

End Time:

16:38:00

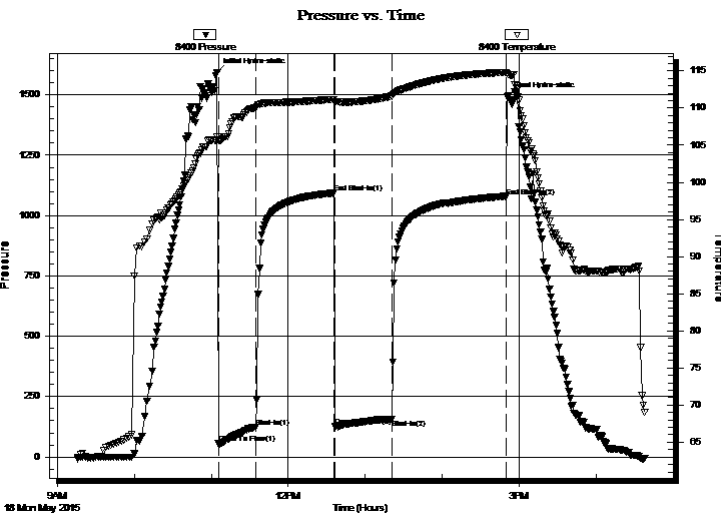
Time On Btm:

2015.05.18 @ 11:04:30

Time Off Btm:

2015.05.18 @ 14:50:30

TEST COMMENT: IFP-30 Minutes-Fair blow built 7"
 ISIP-60 Minutes-Very weak surface blow
 FFP-45 Minutes-BOB in 26 minutes
 FSIP-90 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1593.42	106.19	Initial Hydro-static
1	54.52	105.57	Open To Flow (1)
30	122.75	110.02	Shut-In(1)
91	1093.61	111.17	End Shut-In(1)
92	128.15	110.86	Open To Flow (2)
136	157.72	111.62	Shut-In(2)
225	1079.83	114.80	End Shut-In(2)
226	1491.73	114.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OGM 10%O 30%G 60%M	0.30
60.00	GMO 20%G 50%O 30%M	0.30
60.00	GOM 10%G 10%O 80%M	0.30
60.00	OGM 20%O 40%G 40%M	0.84
65.00	Oil 100%	0.91
300.00	Gas in pipe	4.21

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

CMX Inc

26-17s-9w Ellsworth,KS

1700 N Water Front Pkw y Bldg 300B Wichita KS
67206

Bushton #1-20

Job Ticket: 62922

DST#: 2

ATTN: Ken Leblanc

Test Start: 2015.05.18 @ 09:15:00

GENERAL INFORMATION:

Formation: **Simpson Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:05:30

Time Test Ended: 16:38:00

Test Type: Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 55

Interval: 3168.00 ft (KB) To 3222.00 ft (KB) (TVD)

Reference Elevations: 1773.00 ft (KB)

Total Depth: 3222.00 ft (KB) (TVD)

1765.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6666 Outside

Press@RunDepth: 1078.06 psig @ 3219.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2015.05.18

End Date:

2015.05.18

Last Calib.:

2015.05.18

Start Time: 09:16:00

End Time:

16:38:00

Time On Btm:

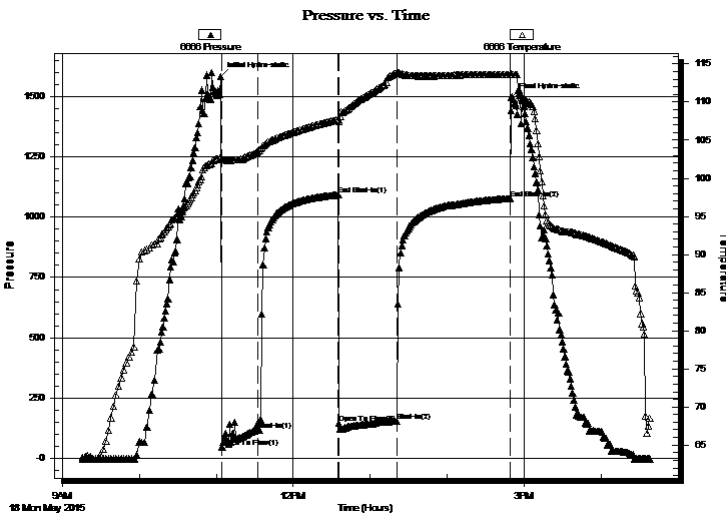
2015.05.18 @ 11:03:30

Time Off Btm:

2015.05.18 @ 14:50:00

TEST COMMENT: IFP-30 Minutes-Fair blow built 7"
ISIP-60 Minutes-Very weak surface blow
FFP-45 Minutes-BOB in 26 minutes
FSIP-90 Minutes-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1582.20	102.68	Initial Hydro-static
1	45.14	102.44	Open To Flow (1)
29	116.98	103.47	Shut-In(1)
92	1092.44	107.69	End Shut-In(1)
92	146.75	107.48	Open To Flow (2)
137	154.66	113.82	Shut-In(2)
226	1078.06	113.62	End Shut-In(2)
227	1497.09	113.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OGM 10%O 30%G 60%M	0.30
60.00	GMO 20%G 50%O 30%M	0.30
60.00	GOM 10%G10%O 80%M	0.30
60.00	OGM 20%O 40%G 40%M	0.84
65.00	Oil 100%	0.91
300.00	Gas in pipe	4.21

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc

26-17s-9w Ellsworth,KS

1700 N Water Front Pkwy Bldg 300B Wichita KS
67206

Bushton #1-20

Job Ticket: 62922

DST#: 2

ATTN: Ken Leblanc

Test Start: 2015.05.18 @ 09:15:00

Tool Information

Drill Pipe:	Length: 2976.00 ft	Diameter: 3.80 inches	Volume: 41.75 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: 70000.00 lb
			<u>Total Volume: 42.64 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3168.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	76.00 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			3151.00	
Hydraulic tool	5.00			3156.00	
Safety Joint	2.00			3158.00	
Packer	5.00			3163.00	22.00 Bottom Of Top Packer
Packer	5.00			3168.00	
Change Over Sub	0.75			3168.75	
Drill Pipe	31.50			3200.25	
Change Over Sub	0.75			3201.00	
Anchor	16.00			3217.00	
Recorder	1.00	8400	Inside	3218.00	
Recorder	1.00	6666	Outside	3219.00	
Bullnose	3.00			3222.00	54.00 Bottom Packers & Anchor

Total Tool Length: 76.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc

26-17s-9w Ellsworth,KS

1700 N Water Front Pkwy Bldg 300B Wichita KS
67206

Bushton #1-20

Job Ticket: 62922

DST#: 2

ATTN: Ken Leblanc

Test Start: 2015.05.18 @ 09:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

49 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OGM 10%O 30%G 60%M	0.295
60.00	GMO 20%G 50%O 30%M	0.295
60.00	GOM 10%G10%O 80%M	0.295
60.00	OGM 20%O 40%G 40%M	0.842
65.00	Oil 100%	0.912
300.00	Gas in pipe	4.208

Total Length: 605.00 ft

Total Volume: 6.847 bbl

Num Fluid Samples: 0

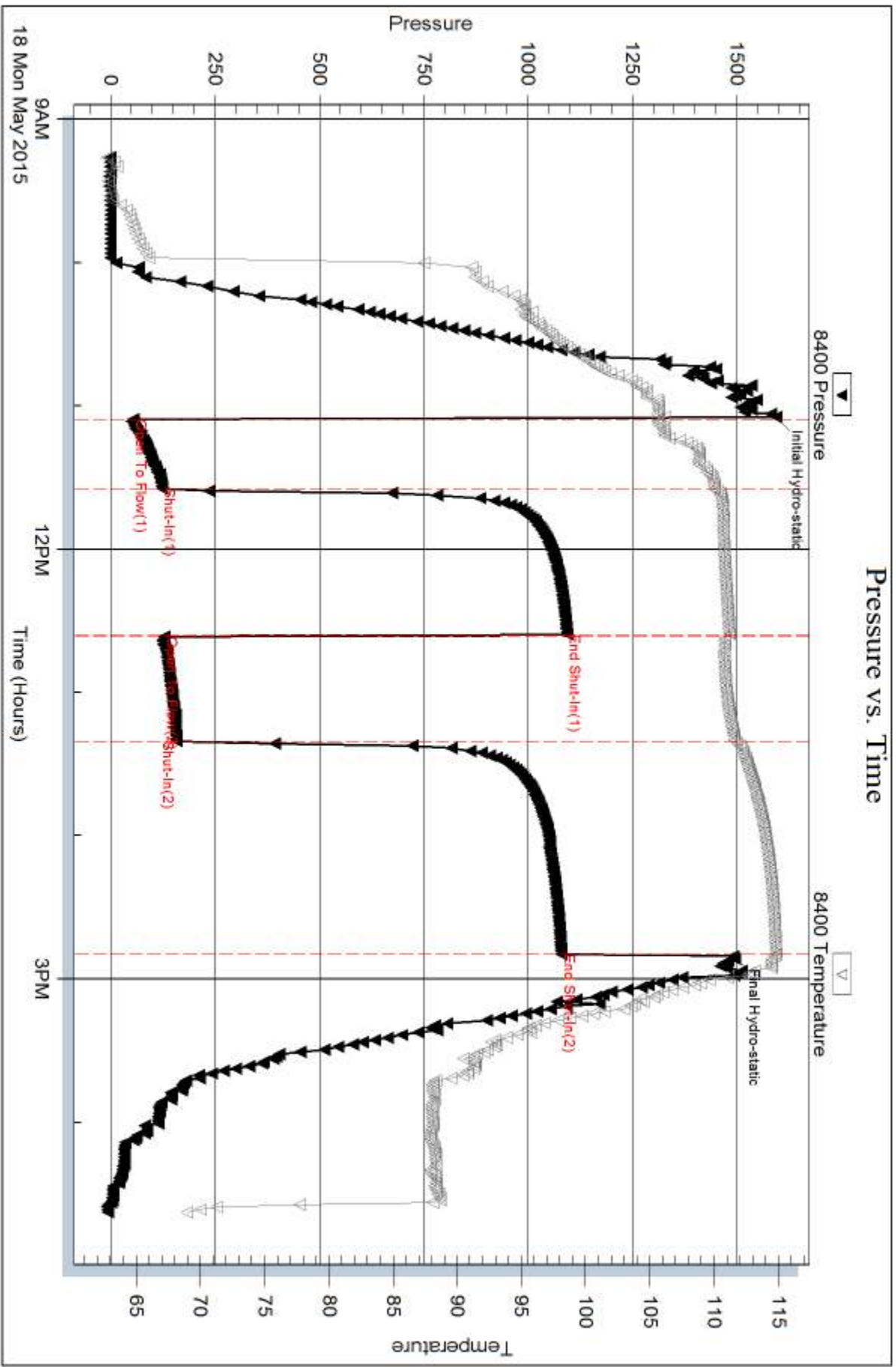
Num Gas Bombs: 0

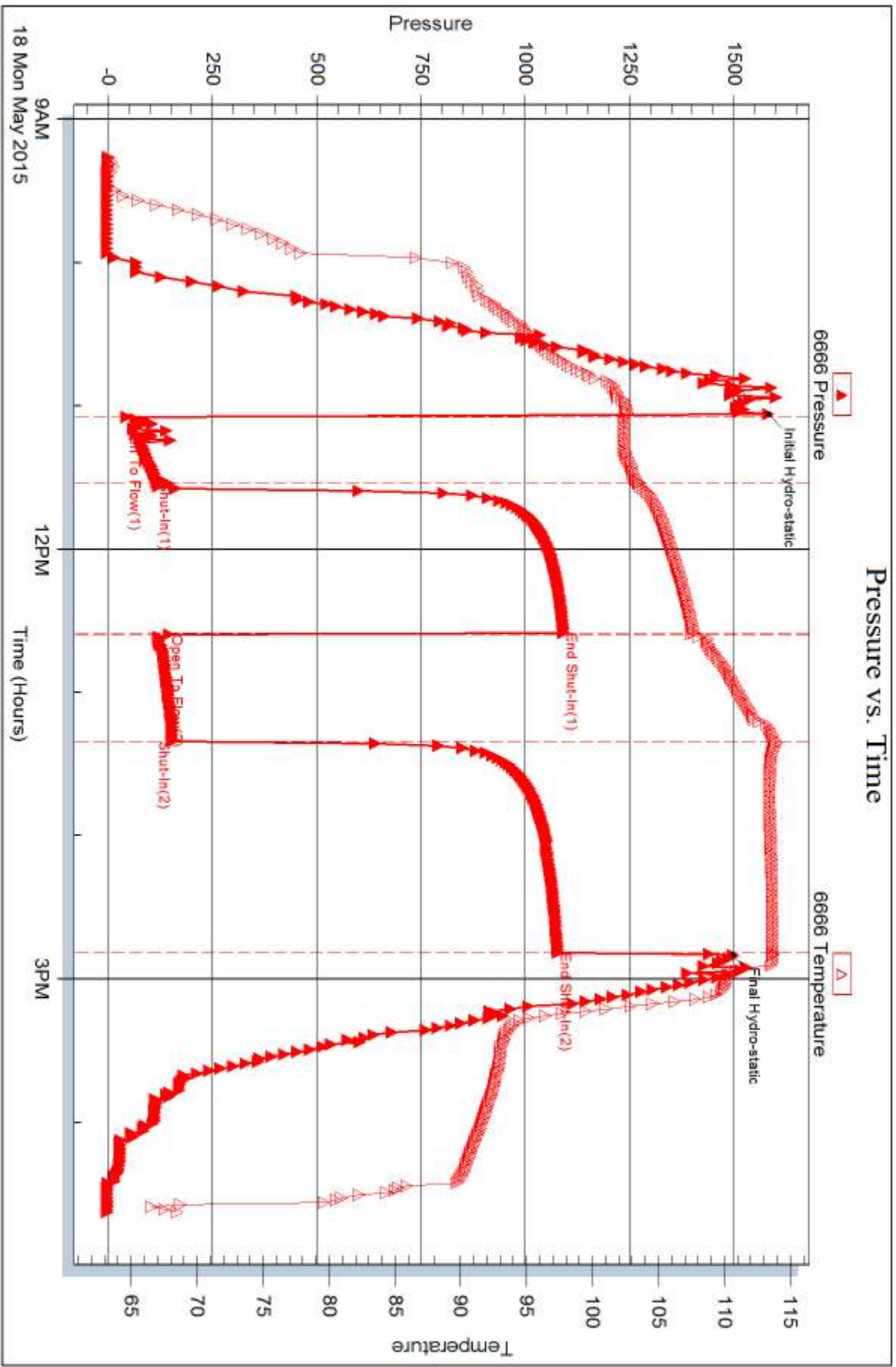
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity 49







DRILL STEM TEST REPORT

Prepared For: **CMX Inc**

1700 N Water Front Pkwy Bldg 300B Wichita
KS 67206

ATTN: Ken Leblanc

Bushton #1-20

26-17s-9w Ellsworth,KS

Start Date: 2015.05.18 @ 23:00:00

End Date: 2015.05.19 @ 06:25:00

Job Ticket #: 62923 DST #: 3

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

Printed: 2015.05.20 @ 09:25:52



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

CMX Inc

26-17s-9w Ellsworth,KS

1700 N Water Front Pkw y Bldg 300B Wichita KS
67206

Bushton #1-20

Job Ticket: 62923

DST#: 3

ATTN: Ken Leblanc

Test Start: 2015.05.18 @ 23:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:21:00

Time Test Ended: 06:25:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 55

Interval: 3222.00 ft (KB) To 3227.00 ft (KB) (TVD)

Reference Elevations: 1773.00 ft (KB)

Total Depth: 3227.00 ft (KB) (TVD)

1765.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8400

Inside

Press@RunDepth: 1106.01 psig @ 3223.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2015.05.18

End Date:

2015.05.19

Last Calib.:

2015.05.19

Start Time:

23:01:00

End Time:

06:25:00

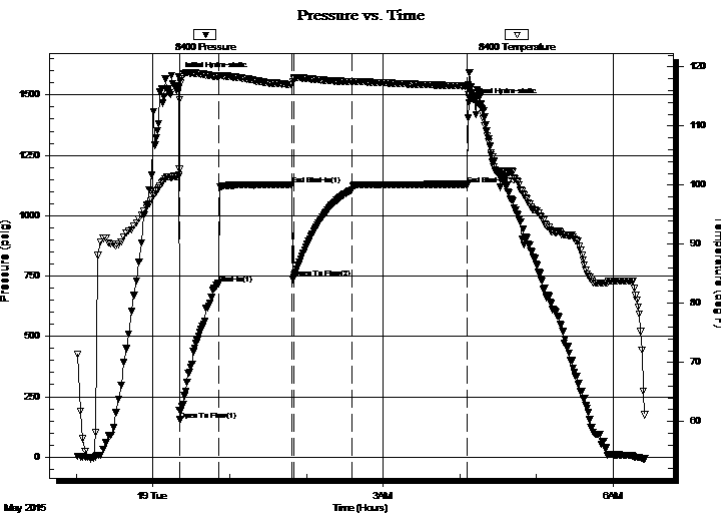
Time On Btm:

2015.05.19 @ 00:20:00

Time Off Btm:

2015.05.19 @ 04:07:00

TEST COMMENT: IFP-30 Minutes-BOB 1 1/2 minutes
ISIP-60 Minutes-No blow back
FFP-45 Minutes-BOB in 1 minute
FSIP-90 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1575.12	101.68	Initial Hydro-static
1	154.95	114.50	Open To Flow (1)
32	718.98	118.41	Shut-In(1)
89	1129.13	117.01	End Shut-In(1)
90	743.98	118.09	Open To Flow (2)
136	1106.01	117.51	Shut-In(2)
226	1129.74	116.75	End Shut-In(2)
227	1467.06	115.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1320.00	water	16.88
600.00	omw 1%o 10%m 89%w	8.42
180.00	omw 5%o 85%w 10%m	2.52
180.00	omw 10%o 10%m 80%w	2.52
60.00	mw o 10%m 205w 70%o	0.84

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

CMX Inc

26-17s-9w Ellsworth,KS

1700 N Water Front Pkw y Bldg 300B Wichita KS
67206

Bushton #1-20

Job Ticket: 62923

DST#: 3

ATTN: Ken Leblanc

Test Start: 2015.05.18 @ 23:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:21:00

Time Test Ended: 06:25:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 55

Interval: 3222.00 ft (KB) To 3227.00 ft (KB) (TVD)

Reference Elevations: 1773.00 ft (KB)

Total Depth: 3227.00 ft (KB) (TVD)

1765.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6666 Outside

Press@RunDepth: 1128.15 psig @ 3224.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2015.05.18

End Date:

2015.05.19

Last Calib.:

2015.05.19

Start Time: 23:01:00

End Time:

06:24:30

Time On Btm:

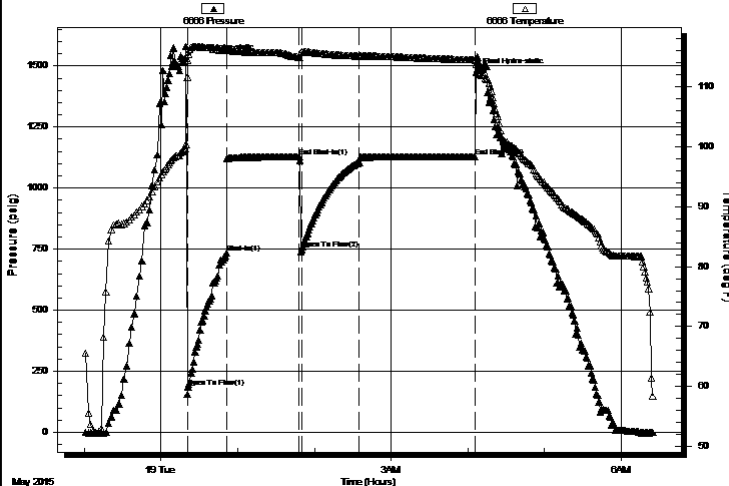
2015.05.19 @ 00:19:00

Time Off Btm:

2015.05.19 @ 04:06:30

TEST COMMENT: IFP-30 Minutes-BOB 1 1/2 minutes
ISIP-60 Minutes-No blow back
FFP-45 Minutes-BOB in 1 minute
FSIP-90 Minutes-No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1529.57	99.61	Initial Hydro-static
2	186.27	114.40	Open To Flow (1)
32	733.93	116.02	Shut-In(1)
89	1127.66	114.86	End Shut-In(1)
91	749.10	115.78	Open To Flow (2)
136	1106.03	115.07	Shut-In(2)
227	1128.15	114.41	End Shut-In(2)
228	1473.02	113.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1320.00	water	16.88
600.00	omw 1%o 10%m 89%w	8.42
180.00	omw 5%o 85%w 10%m	2.52
180.00	omw 10%o 10%m 80%w	2.52
60.00	mw o 10%m 205w 70%o	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc

26-17s-9w Ellsworth,KS

1700 N Water Front Pkwy Bldg 300B Wichita KS
67206

Bushton #1-20

Job Ticket: 62923

DST#: 3

ATTN: Ken Leblanc

Test Start: 2015.05.18 @ 23:00:00

Tool Information

Drill Pipe:	Length: 3050.00 ft	Diameter: 3.80 inches	Volume: 42.78 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: 43.67 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3222.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	5.00 ft				
Tool Length:	27.00 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			3205.00	
Hydraulic tool	5.00			3210.00	
Safety Joint	2.00			3212.00	
Packer	5.00			3217.00	22.00 Bottom Of Top Packer
Packer	5.00			3222.00	
Recorder	1.00	8400	Inside	3223.00	
Recorder	1.00	6666	Outside	3224.00	
Anchor	3.00			3227.00	5.00 Bottom Packers & Anchor

Total Tool Length: 27.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc

26-17s-9w Ellsworth,KS

1700 N Water Front Pkw y Bldg 300B Wichita KS
67206

Bushton #1-20

Job Ticket: 62923

DST#: 3

ATTN: Ken Leblanc

Test Start: 2015.05.18 @ 23:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 8.00 lb/gal

Cushion Length:

ft

Water Salinity:

28000 ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1320.00	water	16.876
600.00	omw 1%o10%m89%w	8.416
180.00	omw 5%o 85%w 10%m	2.525
180.00	omw 10%o 10%m 80%w	2.525
60.00	mw o 10%m 205w 70%o	0.842

Total Length: 2340.00 ft

Total Volume: 31.184 bbl

Num Fluid Samples: 0

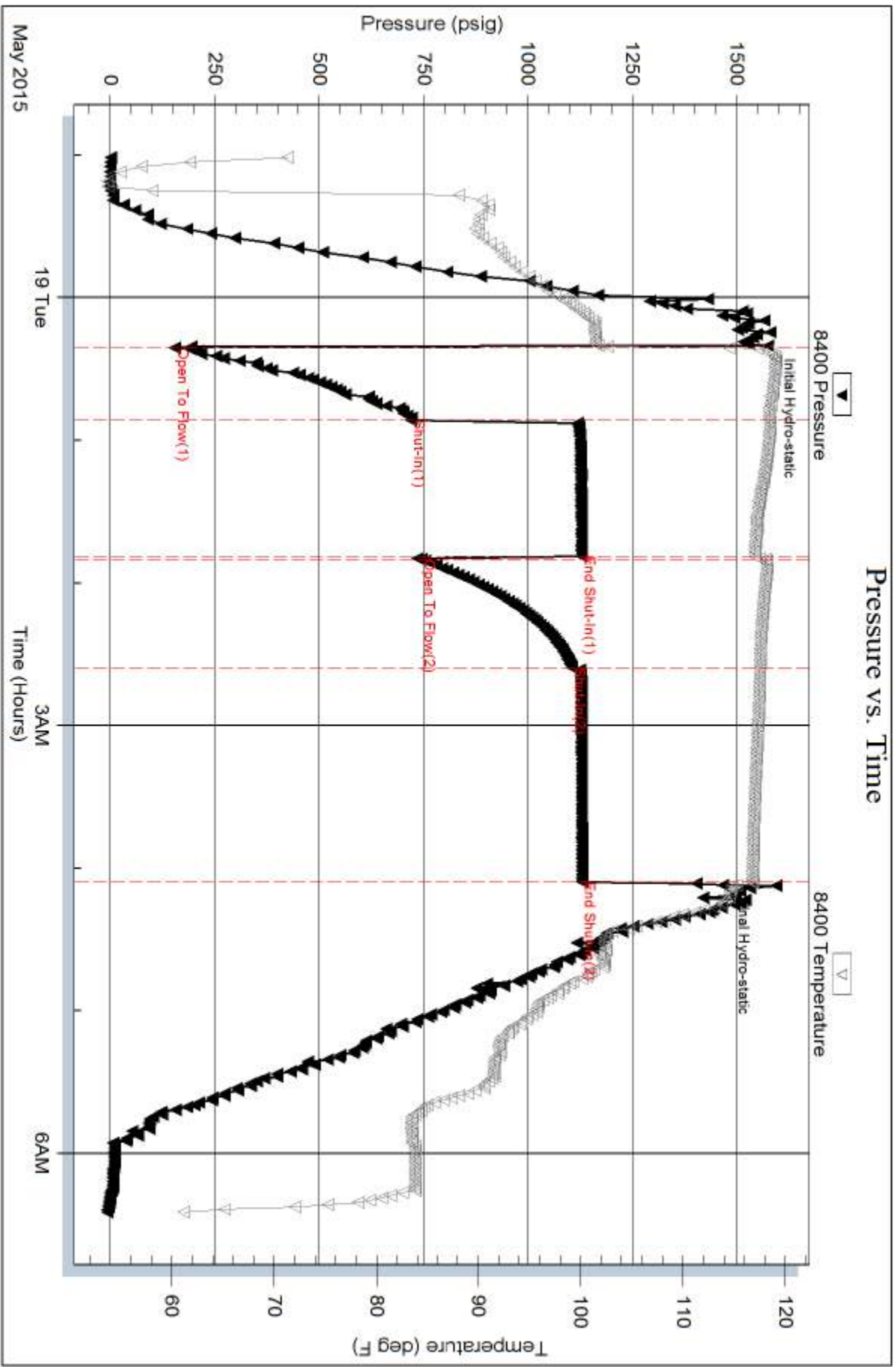
Num Gas Bombs: 0

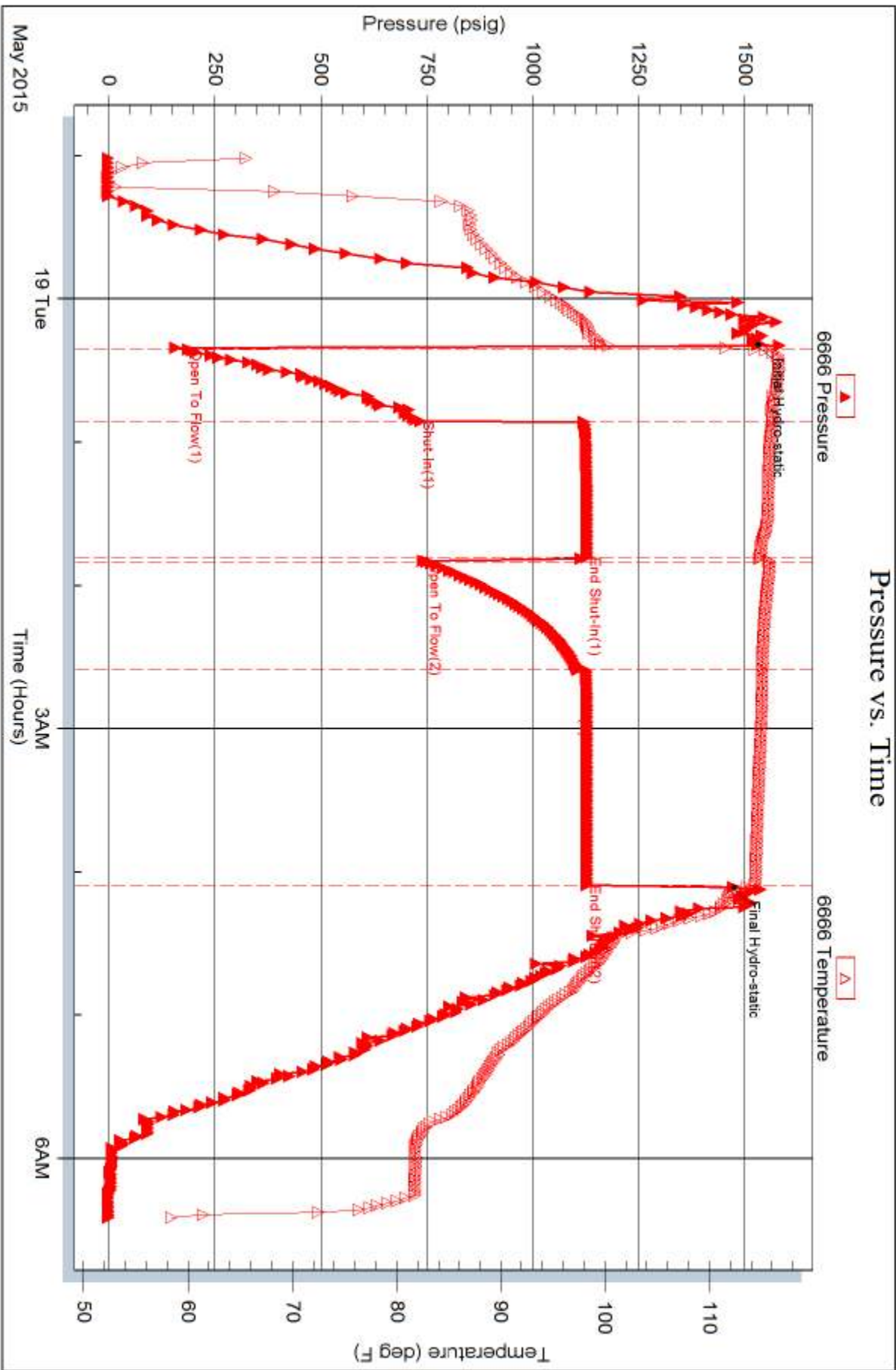
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rW .2 @ 60







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62921

Well Name & No. Bushton #1-20 Test No. 1 Date 5-17-2015
 Company CMX Inc Elevation 6773 KB 1765 GL
 Address 1700 N Water Front PKWY Bldg 300B Wichita KS 67206
 Co. Rep / Geo. Ken LeBlanc Rig Duke Drilling Rig #7
 Location: Sec. 26 Twp. 17s Rge. 9w Co. Ellsworth State KS

Interval Tested 2895-2920 Zone Tested Lansing B zone
 Anchor Length 22 Drill Pipe Run _____ Mud Wt. 8.9
 Top Packer Depth 2890 Drill Collars Run _____ Vis 56
 Bottom Packer Depth 2895 Wt. Pipe Run _____ WL 96
 Total Depth 2920 Chlorides 4.000 ppm System LCM -

Blow Description TFP-Weak Blow Built 2 1/2 inches into water Dried off
RSIP - NO Blow Back
FFP - Very Weak Surface Blow Did not Build
FSIP - NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>mud</u>				
____	____				
____	____				
____	____				
____	____				

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

(A) Initial Hydrostatic 1421 Test 850 T-On Location 3:15 AM
 (B) First Initial Flow 23 Jars _____ T-Started 5:00 AM
 (C) First Final Flow 134 Safety Joint 75 T-Open 6:24 AM
 (D) Initial Shut-In 185 Circ Sub _____ T-Pulled 8:54
 (E) Second Initial Flow 186 Hourly Standby _____ T-Out 10:33
 (F) Second Final Flow 212 Mileage 95 RT Great Bend Comments _____
 (G) Final Shut-In 250 Sampler 55 _____
 (H) Final Hydrostatic 1348 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 980
 Accessibility _____ MP/DST Disc't _____
 Sub Total 980

Approved By _____ Our Representative [Signature]

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62922

Well Name & No. Bushlan # 1-20 Test No. 2 Date 5-18-2015
 Company CMX Inc Elevation 1773 KB 1765 GL
 Address 1700 N Water Front Pkwy Bldg 300B Wichita KS 67206
 Co. Rep / Geo. Ken Heblanc Rig Duke Drilling Rig # 7
 Location: Sec. 26 Twp. 17s Rge. 9w Co. Ellsworth State KS

Interval Tested 3168 - 3222 Zone Tested Simpson Sand
 Anchor Length 54 Drill Pipe Run _____ Mud Wt. 9.1
 Top Packer Depth 3163 Drill Collars Run _____ Vis 60
 Bottom Packer Depth 3168 Wt. Pipe Run _____ WL 8.0
 Total Depth 3222 Chlorides 3,800 ppm System LCM _____

Blow Description TFP - Fair Blow Built 7 inches into Bucket
ISIP - Very Weak Surface Blow
FFP - Fair Blow Built Bottom of Bucket in 26 minutes
FSIP - NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>06 M</u>	<u>30</u>	<u>10</u>	<u>-</u>	<u>60</u>
<u>60</u>	<u>6 M 0</u>	<u>20</u>	<u>50</u>	<u>-</u>	<u>30</u>
<u>60</u>	<u>60 M</u>	<u>10</u>	<u>10</u>	<u>-</u>	<u>80</u>
<u>60</u>	<u>06 M</u>	<u>40</u>	<u>20</u>	<u>-</u>	<u>40</u>
<u>65</u>	<u>0.1</u>	<u>-</u>	<u>100</u>	<u>-</u>	<u>-</u>

Rec Total 305 BHT _____ Gravity 49 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1593 Test 1050 T-On Location 8:40A
 (B) First Initial Flow 54 Jars _____ T-Started 9:15A
 (C) First Final Flow 122 Safety Joint 75 T-Open 10:59A
 (D) Initial Shut-In 1093 Circ Sub _____ T-Pulled 2:44p
 (E) Second Initial Flow 128 Hourly Standby _____ T-Out 4:38
 (F) Second Final Flow 159 Mileage 75 RT Grant Band Comments _____
 (G) Final Shut-In 1079 Sampler 55 _____
 (H) Final Hydrostatic 1491 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1180

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 60 Ruined Packer _____
 Final Flow 45 Extra Copies _____
 Final Shut-In 90 Sub Total 0
 Total 1180
 MP/DST Disc't _____

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62923

4/10

Well Name & No. Bushton # 120 Test No. 3 Date 5-18-2015
 Company CMX Inc Elevation 1773 KB 1765 GL
 Address 1700 N Water front PKWY Bldg 300B Wichita KS 67206
 Co. Rep / Geo. Ken LaBlanc Rig Duke Drilling Rig #7
 Location: Sec. 26 Twp. 17s Rge. 9w Co. Ellsworth State KS

Interval Tested 3222 - 3227 Zone Tested Albrecht
 Anchor Length 5 Drill Pipe Run _____ Mud Wt. 8.10
 Top Packer Depth 3217 Drill Collars Run _____ Vis 64
 Bottom Packer Depth 3222 Wt. Pipe Run _____ WL 10.
 Total Depth 3227 Chlorides 5000 ppm System LCM _____
 Blow Description IFP - Strong Blow Built Bottom Bucket in 1 1/2 minutes
ISIP - NO Blow Back
FFP - Strong Blow Built Bottom of Bucket in 1 minute
FSIP - NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>1320</u>	<u>Water</u>				
<u>600</u>	<u>OMW</u>		<u>2</u>	<u>89</u>	<u>10</u>
<u>180</u>	<u>OMW</u>		<u>5</u>	<u>85</u>	<u>10</u>
<u>180</u>	<u>OMW</u>		<u>10</u>	<u>80</u>	<u>10</u>
<u>60</u>	<u>MWO</u>		<u>70</u>	<u>20</u>	<u>10</u>

Rec Total 2340 BHT _____ Gravity _____ API RW 20 @ 50 ° F Chlorides 28,000 ppm

(A) Initial Hydrostatic 1575 Test 1050 T-On Location 10:40p
 (B) First Initial Flow 154 Jars _____ T-Started 12:00
 (C) First Final Flow 718 Safety Joint 75 T-Open 12:22
 (D) Initial Shut-In 1129 Circ Sub _____ T-Pulled 4:07
 (E) Second Initial Flow 743 Hourly Standby _____ T-Out _____
 (F) Second Final Flow 1106 Mileage 75 FT Great Bend Comments _____
 (G) Final Shut-In 1129 Sampler 55 _____
 (H) Final Hydrostatic 1467 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies 0
 Initial Open 30 Extra Recorder _____ Sub Total _____
 Initial Shut-In 60 Day Standby _____ Total 1180
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 90 Sub Total 1180

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.



POLYMER GEL TECHNOLOGY FOR THE OIL AND GAS INDUSTRY

CMX, Inc.
 Bushton #1-20
 Stoltenberg Field
 Ellsworth County, KS
 API# 15-053-21323

DATE	TIME	RATE	BBLs	CUM. BWI	Pressure	PSIG/BWI	PPM	BHP (PSI)	COMMENTS
15-Jul-15	8:08a	1440.0	40.0	0.0	0	0.00			Start 25bbl H2O treated Preflush
15-Jul-15	8:31a	1440.0	40.0	25.0	-22	-0.02			End Preflush
15-Jul-15	8:31 AM	1440.0	40.0	0.0	-22	-0.02	1500		Start Waterblock 247 treatment @ 1500ppm
15-Jul-15	9:10 AM	1440.0	40.0	40.0	-25	-0.02			
15-Jul-15	9:50 AM	1440.0	40.0	80.0	-27	-0.02			
15-Jul-15	10:30 AM	1440.0	40.0	120.0	-27	-0.02			
15-Jul-15	11:10 AM	1440.0	40.0	160.0	-27	-0.02			
15-Jul-15	11:50 AM	1440.0	40.0	200.0	-27	-0.02			
15-Jul-15	12:30 PM	1440.0	40.0	240.0	-27	-0.02			
15-Jul-15	1:10 PM	1440.0	40.0	280.0	-27	-0.02			
15-Jul-15	1:50 PM	1440.0	40.0	320.0	-27	-0.02			
15-Jul-15	2:30 PM	1440.0	40.0	360.0	-27	-0.02			
15-Jul-15	3:10 PM	1440.0	40.0	400.0	-27	-0.02			
15-Jul-15	3:50 PM	1440.0	40.0	440.0	-27	-0.02			
15-Jul-15	4:30 PM	1440.0	40.0	480.0	-27	-0.02			
15-Jul-15	5:10 PM	1440.0	40.0	520.0	-27	-0.02			
15-Jul-15	5:50 PM	1440.0	40.0	560.0	-27	-0.02			
15-Jul-15	6:30 PM	1440.0	40.0	600.0	-27	-0.02			
15-Jul-15	7:10 PM	1440.0	40.0	640.0	-27	-0.02	3000		Switch to 3000ppm
15-Jul-15	7:50 PM	1440.0	40.0	680.0	-22	-0.02			
15-Jul-15	8:30 PM	1440.0	40.0	720.0	-22	-0.02			
15-Jul-15	9:10 PM	1440.0	40.0	760.0	-21	-0.01			
15-Jul-15	9:50 PM	1440.0	40.0	800.0	-21	-0.01			
15-Jul-15	10:30 PM	1440.0	40.0	840.0	-20	-0.01			
15-Jul-15	11:03 PM	1440.0	40.0	873.0	-20	-0.01			Started Triplex
15-Jul-15	11:10 PM	1440.0	40.0	880.0	-20	-0.01			
15-Jul-15	11:23 PM	1440.0	40.0	893.0	15	0.01			Caught Pressure
15-Jul-15	11:50 PM	1440.0	40.0	920.0	1	0.00			
16-Jul-15	12:30 AM	1440.0	40.0	960.0	16	0.01			
16-Jul-15	1:10 AM	1440.0	40.0	1000.0	29	0.02			
16-Jul-15	1:50 AM	1440.0	40.0	1040.0	39	0.03			
16-Jul-15	2:30 AM	1440.0	40.0	1080.0	50	0.03			
16-Jul-15	3:10 AM	1440.0	40.0	1120.0	58	0.04			
16-Jul-15	3:50 AM	1440.0	40.0	1160.0	70	0.05			
16-Jul-15	4:30 AM	1440.0	40.0	1200.0	83	0.06			
16-Jul-15	5:10 AM	1440.0	40.0	1240.0	91	0.06			
16-Jul-15	5:50 AM	1440.0	40.0	1280.0	100	0.07			
16-Jul-15	6:30 AM	1440.0	40.0	1320.0	102	0.07			
16-Jul-15	7:10 AM	1440.0	40.0	1360.0	120	0.08			
16-Jul-15	7:50 AM	1440.0	40.0	1400.0	129	0.09			
16-Jul-15	8:30 AM	1440.0	40.0	1440.0	142	0.10			
16-Jul-15	9:10 AM	1440.0	40.0	1480.0	160	0.11			
16-Jul-15	9:50 AM	1440.0	40.0	1520.0	179	0.12			
16-Jul-15	10:30 AM	1440.0	40.0	1560.0	187	0.13			
16-Jul-15	11:10 AM	1440.0	40.0	1600.0	200	0.14			Fall off test, see additional pages
16-Jul-15	11:51 AM	1440.0	40.0	1640.0	212	0.15			
16-Jul-15	12:31 PM	1440.0	40.0	1680.0	218	0.15			
16-Jul-15	1:11 PM	1440.0	40.0	1720.0	236	0.16			
16-Jul-15	1:51 PM	1440.0	40.0	1760.0	245	0.17			
16-Jul-15	2:31 PM	1440.0	40.0	1800.0	257	0.18			
16-Jul-15	3:10 PM	1440.0	40.0	1840.0	266	0.18			

THE INFORMATION CONTAINED HEREIN, IS NOT TO BE COPIED OR SHARED WITH ANY THIRD PARTY WITHOUT THE EXPRESS WRITTEN PERMISSION OF POLYMER SERVICES, LLC. THIS CONFIDENTIAL DOCUMENT IS ONLY INTENDED FOR THE FOREMENTIONED NAMED RECIPIENT

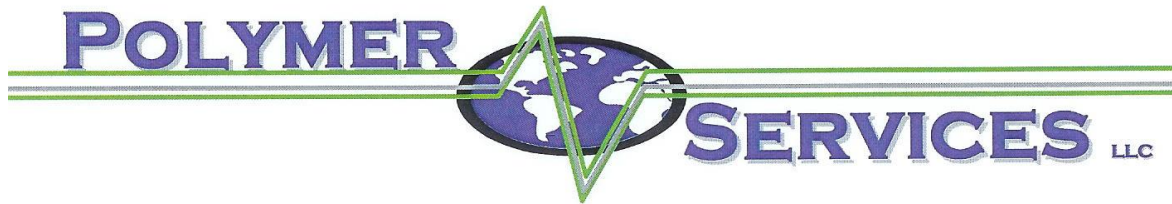
THE INFORMATION CONTAINED HEREIN, IS NOT TO BE COPIED OR SHARED WITH ANY THIRD PARTY WITHOUT THE EXPRESS WRITTEN PERMISSION OF POLYMER SERVICES, LLC. THIS CONFIDENTIAL DOCUMENT IS ONLY INTENDED FOR THE FOREMENTIONED NAMED RECIPIENT



**CMX, Inc.
Bushton #1-20
Stoltenberg Field
Ellsworth County, Kansas
API#: 15-053-21323**

**2280 BBLs Polymer
July 15th, 2015 – July 16th, 2015**

THE INFORMATION CONTAINED HEREIN, IS NOT TO BE COPIED OR SHARED WITH ANY THIRD PARTY WITHOUT THE EXPRESS WRITTEN PERMISSION OF POLYMER SERVICES, LLC. THIS CONFIDENTIAL DOCUMENT IS ONLY INTENDED FOR THE FOREMENTIONED NAMED RECIPIENT.



POLYMER GEL TECHNOLOGY FOR THE OIL AND GAS INDUSTRY

July 21st, 2015

For: Mr. Curtis Clark
CMX, Inc.
1700 N. Waterfront Parkway
Building 300, Suite B
Wichita, KS 67206

RE: Bushton #1-20
Stoltenberg Field
Ellsworth County, KS
API: 15-053-21323

Dear Sirs:

Attached is the job log and injection plot for the Water-Block 247 polymer gel water shut off treatment performed on the Bushton #1-20 producing well located in the Stoltenberg Field in Ellsworth County, Kansas. A job recap is presented below.

PURPOSE

Use WATER-BLOCK 247 polymer gel technology to:

1. Decrease water production
2. Lower producing fluid level
3. Improve draw-down on oil-saturated reservoir matrix rock
4. Improve oil recovery and well economics

TREATMENT

Polymer Services, LLC equipment and personnel arrived on location at 8:00 A.M. on July 15th, 2015. A tailgate safety meeting was held to discuss all potential hazards specific to the jobsite. Polymer Services, LLC's polymer blending and pumping unit was then connected to the wellhead and water supply. The following table provides details for each stage of the treatment.

THE INFORMATION CONTAINED HEREIN, IS NOT TO BE COPIED OR SHARED WITH ANY THIRD PARTY WITHOUT THE EXPRESS WRITTEN PERMISSION OF POLYMER SERVICES, LLC. THIS CONFIDENTIAL DOCUMENT IS ONLY INTENDED FOR THE FOREMENTIONED NAMED RECIPIENT.

	Date Begin	Time Begin	Date End	Time End	WB247 [®] Polymer ppm	WB247 [®] Polymer Lbs.	WB248 [®] X-Linker Gals.	Gel Bbls.	PSIG Begin	PSIG End	BHP Begin And End	Pump Rate Begin (BPM)	Pump Rate End (BPM)	Comments
1	07/15/15	8:08a	7/15/15	8:31a				25H2O	0	-22		1.0bpm	1.0bpm	25bbl H2O preflush
2	7/15/15	8:31a	07/15/15	7:10p	1500	336	7	640	-22	-27		1.0bpm	1.0bpm	Start Waterblock 247 treatment
3	7/15/15	7:10p	07/16/15	4:31p	3000	1344	28	1280	-27	276psi		1.0bpm	1.0bpm	
4	7/16/15	4:31p	7/16/15	8:43p	4500	378	8	240	276psi	429psi		1.0bpm	1.0bpm	
5	07/16/15	8:43p	07/16/15	11:02p	6000	252	5	120	429psi	623psi		1.0bpm	1.0bpm	End WB247 Treatment
	Totals					2310	48						Unit #4 Super: J. Makings	Field Techs: D. Peterson, D. Kerr

Gel Quality Monitoring

No representative samples of cross-linked polymer solution were collected during Stages 1, 2, 3 or 4 of the treatment to ensure that the intended gels would ultimately form. Pre-gels samples were stored at a temperature of 100° F in an oven onboard the PSI portable polymer injection unit. All samples indicated that gels formed as intended. Below is a table that provides gel sample information.

Sample No.	Treatment Stage	Sample Date	Sample Time	Polymer ppm	Polymer:X-Linker Ratio	Gel Grade	Comments
1	1	No Sample		1500	Standard		
2	2	No Sample		3000	Standard		
3	3	No Sample		4500	Standard		
4	4	No Sample		6000	Standard		

THE INFORMATION CONTAINED HEREIN, IS NOT TO BE COPIED OR SHARED WITH ANY THIRD PARTY WITHOUT THE EXPRESS WRITTEN PERMISSION OF POLYMER SERVICES, LLC. THIS CONFIDENTIAL DOCUMENT IS ONLY INTENDED FOR THE FOREMENTIONED NAMED RECIPIENT.

The standard gel grading system gels is defined as follows:

<u>Grade</u>	<u>Description</u>	
A	No detectable gel formed. no gel can be visually detected	The gel appears to have the same viscosity (fluidity) as the original polymer solution and
B	High flowing gel. polymer solution.	The gel appears to be only slightly more viscous than the initial relatively low viscosity
C	Flowing gel.	Most of the obviously detectable gel flows to the bottle cap upon inversion.
D	Moderately flowing gel inversion – usually characterized as a “tonguing” gel (i.e., after hanging out of the bottle, the gel can be made to flow back into the bottle by slowly turning the bottle upright).	A small portion (about 5 to 15%) of the gel does not readily flow the bottle cap upon
E	Barely flowing gel. not flow to the bottle cap upon inversion.	The gel slowly flows to the bottle cap and/or a significant portion (>15%) of the gel does
F	Highly deformable nonflowing gel. the bottle cap).	The gel does not flow to the bottle cap upon inversion (gel flows to just short of reaching
G	Moderately deformable nonflowing gel.	The gel flows about halfway down to the bottle cap upon inversion.
H	Slightly deformable nonflowing gel	The gel surface only slightly deforms upon inversion.
I	Rigid gel.	There is no gel-surface deformation upon inversion.
J	Ringing rigid gel	A tuning –fork like mechanical vibration can be felt after the bottle is tapped.

Polymer Services, LLC, is very interested in monitoring and evaluating the results of this treatment with time. If you should have questions or comments regarding the job, please do not hesitate to call me in our Plainville office at 785-434-2474. We greatly appreciate the opportunity to be of service to CMX, Inc. and look forward to working with you again in the future.

Best regards,

Randy Prater, President
Polymer Services, LLC
P.O. Box 1387
Hays, KS 67601

Email: randy@polymergel.com Visit our website at: www.polymergel.com
Attachments

THE INFORMATION CONTAINED HEREIN, IS NOT TO BE COPIED OR SHARED WITH ANY THIRD PARTY WITHOUT THE EXPRESS WRITTEN PERMISSION OF POLYMER SERVICES, LLC. THIS CONFIDENTIAL DOCUMENT IS ONLY INTENDED FOR THE FOREMENTIONED NAMED RECIPIENT.