



KANSAS CORPORATION COMMISSION 1072753  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5205  
Name: Mid-Continent Energy Corp.  
Address 1: 105 S BROADWAY STE 360  
Address 2: \_\_\_\_\_  
City: WICHITA State: KS Zip: 67202 + 4280  
Contact Person: Jack Buehler  
Phone: ( 316 ) 265-9501  
CONTRACTOR: License # 34541  
Name: Ninnescah Drilling LLC  
Wellsite Geologist: Ben Landes  
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  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

<u>11/2/2011</u>	<u>11/9/2011</u>	<u>11/9/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-185-23717-00-00  
Spot Description: \_\_\_\_\_  
W2 E2 E2 SW Sec. 23 Twp. 25 S. R. 12  East  West  
1320 Feet from  North /  South Line of Section  
2240 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Stafford  
Lease Name: McClure Farms Well #: 1  
Field Name: \_\_\_\_\_  
Producing Formation: N/A  
Elevation: Ground: 1844 Kelly Bushing: 1856  
Total Depth: 4280 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 330 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: 63000 ppm Fluid volume: 550 bbls  
Dewatering method used: Evaporated  
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

- Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanna Garrison Date: 02/09/2012



1072753

Operator Name: Mid-Continent Energy Corp. Lease Name: McClure Farms Well #: 1  
 Sec. 23 Twp. 25 S. R. 12  East  West County: Stafford

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name Attached	Top Attached	Datum Attached
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				
Dual Induction Compensated Density/Neutron				

CASING RECORD <input checked="" 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
Surface	12.25	8.625	20.00	330	common	220	60/40 poz,3%CC,2%gel.

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

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

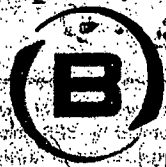
DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
---	---	--

Form	ACO1 - Well Completion
Operator	Mid-Continent Energy Corp.
Well Name	McClure Farms 1
Doc ID	1072753

Tops

NAME	FEET	DEPTH
Heebner	3385	-1529
Brown Lime	3551	-1695
Lansing KC	3574	-1718
Base KC	3874	-2018
Mississippian	3980	-2124
Viola	4033	-2172
Simpson Shale	4153	-2297
Arbuckle	4220	-2364





**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 05051 A

DATE TICKET NO.

DATE OF JOB: 11-02-11	DISTRICT: PRATT KS	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.
CUSTOMER: MID-CONTINENT ENERGY	LEASE: PICCOLI FARM	WELL NO.					
ADDRESS:	COUNTY: STAFFORD	STATE: KS					
CITY:	STATE:	SERVICE CREW: Sullivan, motel, OK City					
AUTHORIZED BY:	JOB TYPE: CWL 8 3/8 sand						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED: 11-01-11	DATE AM PM TIME
19903	1 hr						9:20
19905	1 hr					ARRIVED AT JOB: 11-01-11	AM PM TIME
32900						START OPERATION: 11-02-11	AM PM TIME
						FINISH OPERATION:	AM PM TIME
						RELEASED:	AM PM TIME
						MILES FROM STATION TO WELL:	20

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: *Robert J. Sullivan*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL-EQUIPMENT-AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 103	6046 pot cont	SK	250		3,000.00
CP 100	cont	SK	200		3,200.00
CC 102	Coll. tube	lb	63		333.10
CC 109	col. tube ch. 100	lb	645		677.25
CF 153	wooden plug 8 3/8	EA	1		160.00
E 100	poly. moly	mi	20		85.00
E 101	heavy set moly	ms	40		420.00
E 113	Bull. Plug	mm	403		644.80
CE 200	Depth ch. 0-500'	EA	1		1,000.00
CE 240	Bleed. plug	SK	450		1,030.00
CF 504	plug (constant vent)	EA	1		250.00
S 003	Schum Superline	EA	1		175.00

CHEMICAL / ACID DATA:			

SUB TOTAL		DLS	8,275.37
SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
TOTAL			

SERVICE REPRESENTATIVE: *Robert J. Sullivan*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Robert J. Sullivan*  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer MID-CONTINENT ENERGY		Lease No.		Date 11-9-2011	
Lease MCCLURE FARMS		Well # 1			
Field Order # 04708	Station PRATT, KS.	Casing	Depth	County STAFFORD	State KS.
Type Job CNL - P.T.A.			Formation	Legal Description 23-25-12	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft	CMT -	Acid -	200 SK 60/40 P02	RATE	PRESS	ISIP
Depth	Depth	From	To	Pre Pad	@ 1.43 cur <sup>3</sup>	Max		5 Min.
Volume	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	Packer Depth	From	To	Flush		Gas Volume		Total Load

Customer Representative RICK MINNISBAH	Station Manager D. SLATT	Treater K. LESLEY
---	-----------------------------	----------------------

Service Units	37586	19089	19842	19832	21010				
Driver Names	LESLEY LAWRENCE			MCKASKAY					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:00AM					ON LOCATION - SAFETY MEETING
7:10AM					1 <sup>ST</sup> PLUG @ 400' w/50SK
	400		15	6	H <sub>2</sub> O AHEAD
	350		12.7	6	MIX 50SK 60/40 P02 @ 13.78 PPG
	350		5	6	H <sub>2</sub> O BEHIND CMT.
7:30AM	350		5.3		MUD BEHIND CMT.
10:00AM					2 <sup>ND</sup> PLUG @ 700' w/50SK
	150		10	4	H <sub>2</sub> O AHEAD
	150		12.7	4	MIX 50 SK 60/40 P02 @ 13.78 PPG
10:09AM	50		5	4	H <sub>2</sub> O BEHIND CMT
10:20AM					3 <sup>RD</sup> PLUG @ 350' w/50SKS.
	100		10	3	H <sub>2</sub> O AHEAD
	100		12.7	3	MIX 50 SKS 60/40 P02 @ 13.78 PPG
10:30AM	50		1	3	H <sub>2</sub> O BEHIND CMT.
					4 <sup>TH</sup> PLUG @ 60' w/20SKS
11:00AM	0		5	2.5	MIX 20 SKS 60/40 P02 @ 13.78 PPG
					CMT TO SURFACE
11:30AM			6.4		PLUG R.H. + M.H.
					JOB COMPLETE,
					THANKS -
					KELLEN LESLEY

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer <i>PLU-CONTINENT</i>		Lease No.		Date	
Lease <i>WICURE FARMS</i>		Well # <i>1</i>			
Field Order # <i>5051</i>	Station <i>Pratt KS</i>	Casing <i>8 7/8</i>	Depth <i>313'</i>	County <i>STAFFORD</i>	State <i>KS</i>
Type Job <i>CNW 8 7/8 section</i>	Formation			Legal Description <i>23 25-12</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>8 7/8</i>	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth <i>313</i>	Depth	From	To	Pre Pad	Max			5 Min.
Volume <i>19</i>	Volume	From	To	Pad	Min			10 Min.
Max Press <i>200</i>	Max Press	From	To	Frac	Avg			15 Min.
Well Connection <i>PC</i>	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth <i>275</i>	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert Johnson</i>
-------------------------	-----------------------------------	-------------------------------

Service Units	Driver Names	Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>37900</i>	<i>Johnson</i>	<i>1:30</i>					<i>ON loc safety</i>
<i>19703</i>	<i>Johnson</i>						<i>Run 2 50s 8 7/8 csg 20'</i>
<i>11007</i>	<i>Johnson</i>						<i>Check on Bottom</i>
<i>19030</i>	<i>Johnson</i>						<i>Hook up to well</i>
<i>21000</i>	<i>Johnson</i>						<i>St. Spacer</i>
					<i>3</i>	<i>4</i>	<i>check out spacer with 100' water</i>
					<i>54</i>		<i>conf. mixed shot down</i>
						<i>2.5</i>	<i>Release Plug AND 50' down</i>
					<i>19</i>		<i>plug down</i>
							<i>check O well out to pit</i>
						<i>1.5</i>	<i>ONE INCH W/ 70'</i>
							<i>200 SK COMD</i>
					<i>42</i>		<i>cut surface</i>
							<i>JOB COMPLETE</i>
							<i>Thank you</i>



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Mid-Continent Energy Corp

23-25s-12w Stafford,KS

105 S Broadway STE 360  
Wchita, KS 67202+4280

McClure Farms #1

Job Ticket: 44075

DST#: 1

ATTN: Jack Buehler/ Ben La

Test Start: 2011.11.05 @ 07:15:06

**Mud and Cushion Information**

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 9.17 in<sup>2</sup>

Resistivity: 0.00 ohm.m

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity:

ppm

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
0.00	1500' GIP	0.000
120.00	oil cut W/M 1% oil 39% water 60% mud	1.128
120.00	oil cut M/W 1% oil 19% mud 80% water	1.683

Total Length: 240.00 ft

Total Volume: 2.811 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

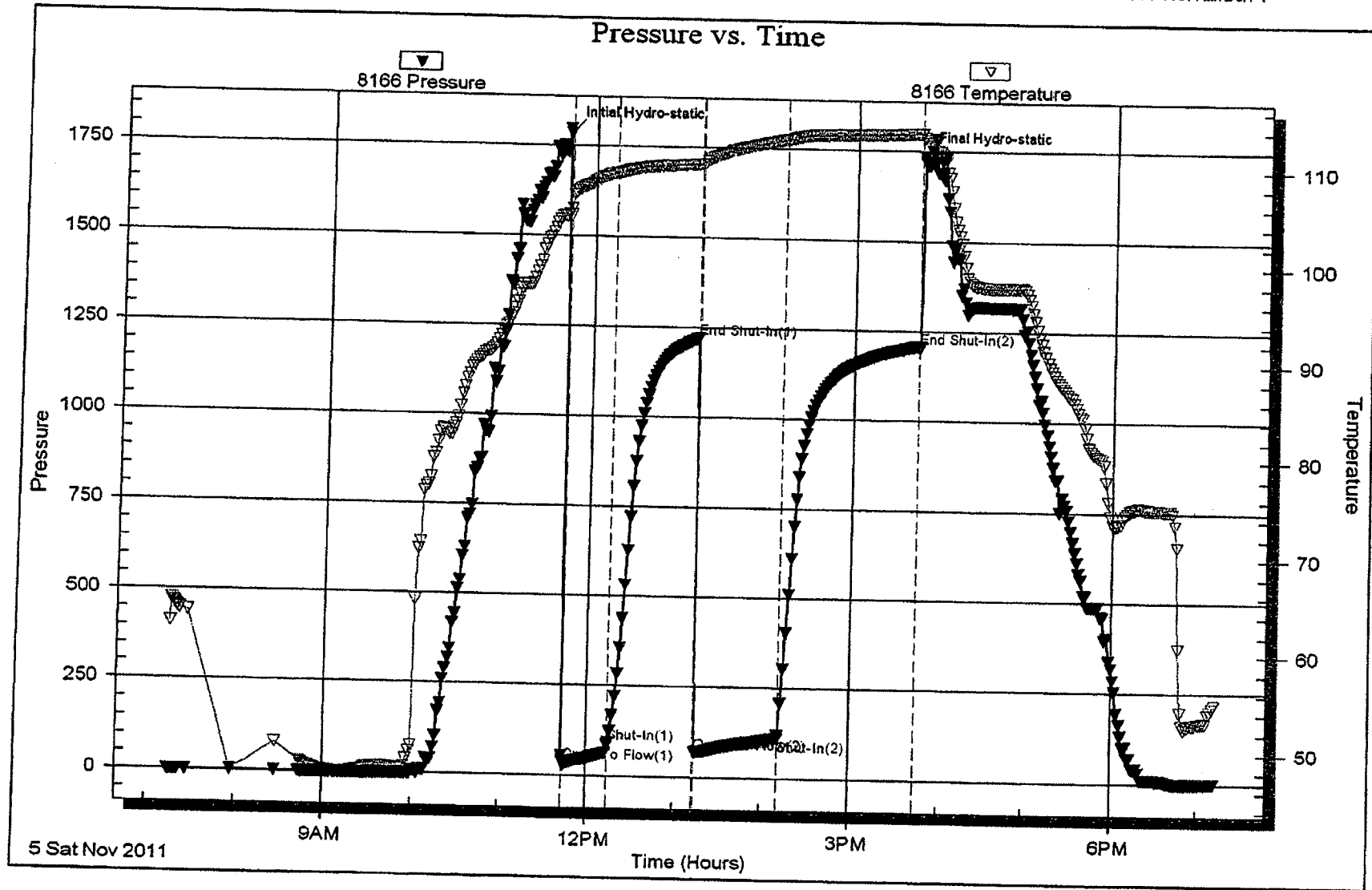


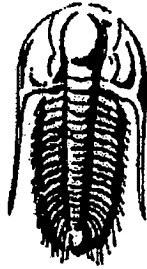
Serial #: 8166

Outside Mid-Continent Energy Corp

McClure Farms #1

DST Test Number: 1





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Mid-Continent Energy Corp**

105 S Broadway STE 360  
Wichita, KS 67202+4280

ATTN: Jack Buehler/ Ben La

**McClure Farms #1**

**23-25s-12w Stafford,KS**

Start Date: 2011.11.06 @ 03:36:18

End Date: 2011.11.06 @ 10:09:48

Job Ticket #: 44076                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.11.16 @ 16:33:09

Mid-Continent Energy Corp

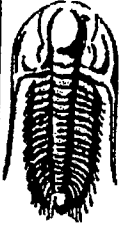
23-25s-12w Stafford,KS

McClure Farms #1

DST # 2

Kansas City

2011.11.06



**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Md-Continent Energy Corp

23-25s-12w Stafford,KS

105 S Broadway STE 360  
Wichita, KS 67202+4280

McClure Farms #1

Job Ticket: 44076

DST#: 2

ATTN: Jack Buehler/ Ben La

Test Start: 2011.11.06 @ 03:36:18

**GENERAL INFORMATION:**

Formation: **Kansas City**  
Deviated: **No Whipstock** ft (KB)

Time Tool Opened: 05:56:03

Time Test Ended: 10:09:48

Test Type: Conventional Bottom Hole (Reset)

Tester: Chris Staats

Unit No: 34

Interval: **3645.00 ft (KB) To 3695.00 ft (KB) (TVD)**

Total Depth: **3695.00 ft (KB) (TVD)**

Hole Diameter: **7.88 Inches** Hole Condition: Fair

Reference Elevations: **1856.00 ft (KB)**

**1843.00 ft (CF)**

KB to GRVCF: **13.00 ft**

Serial #: **8166**

Outside

Press@RunDepth: **77.11 psig @ 3646.00 ft (KB)**

Start Date: **2011.11.06**

End Date:

2011.11.06

Capacity: **8000.00 psig**

Last Calib.: **2011.11.06**

Start Time: **03:36:23**

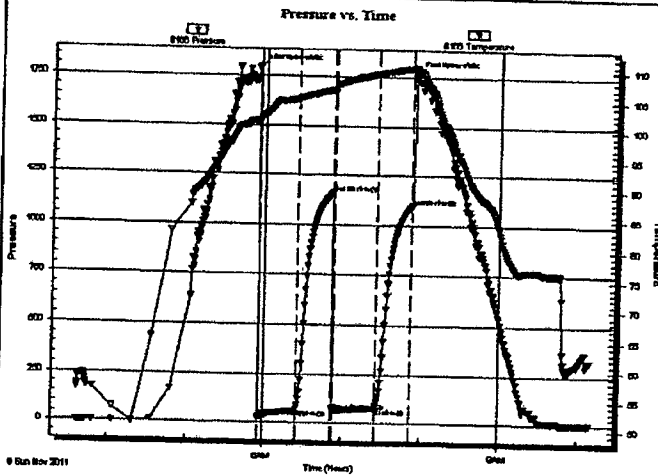
End Time:

10:09:47

Time On Btm: **2011.11.06 @ 05:54:33**

Time Off Btm: **2011.11.06 @ 07:54:48**

TEST COMMENT: IF: Weak Surface blow blow Died  
IS: No blow back  
FF: Weak surface blow blow Died  
FS: No blow back



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1788.09	101.56	Initial Hydro-static
2	25.88	101.62	Open To Flow (1)
31	64.39	105.14	Shut-in(1)
59	1160.76	106.67	End Shut-in(1)
60	61.82	107.15	Open To Flow (2)
92	77.11	109.43	Shut-in(2)
118	1096.11	110.35	End Shut-in(2)
121	1763.00	110.39	Final Hydro-static

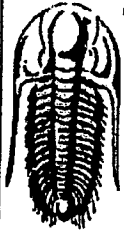
**Recovery**

Length (ft)	Description	Volume (bbl)
60.00	MV 80%W 20%M	0.30
60.00	VM 20%W 80%M	0.83

\* Recovery from multiple tests

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Mid-Continent Energy Corp

23-25s-12w Stafford, KS

105 S Broadway STE 360  
Wichita, KS 67202+4280

**McClure Farms #1**

Job Ticket: 44076

DST#: 2

ATTN: Jack Buehler/ Ben La

Test Start: 2011.11.06 @ 03:36:18

### Tool Information

Drill Pipe:	Length: 3572.00 ft	Diameter: 3.80 inches	Volume: 50.11 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 61.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 50.41 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3645.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	79.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3617.00	
Shut In Tool	5.00			3622.00	
Hydraulic tool	5.00			3627.00	
Jars	5.00			3632.00	
Safety Joint	3.00			3635.00	
Packer	5.00			3640.00	29.00 Bottom Of Top Packer
Packer	5.00			3645.00	
Stubb	1.00			3646.00	
Recorder	0.00	6773	Outside	3646.00	
Recorder	0.00	8166	Outside	3646.00	
Perforations	14.00			3660.00	
Change Over Sub	0.50			3660.50	
Drill Pipe	31.00			3691.50	
Change Over Sub	0.50			3692.00	
Bullnose	3.00			3695.00	50.00 Bottom Packers & Anchor

**Total Tool Length: 79.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Mid-Continent Energy Corp

23-25s-12w Stafford,KS

105 S Broadway STE 360  
Wichita, KS 67202+4280

McClure Farms #1

Job Ticket: 44076

DST#: 2

ATTN: Jack Buehler/ Ben La

Test Start: 2011.11.06 @ 03:36:18

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 9.16 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: 18000 ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MW 80%V 20%M	0.295
60.00	VM 20%V 80%M	0.833

Total Length: 120.00 ft      Total Volume: 1.128 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

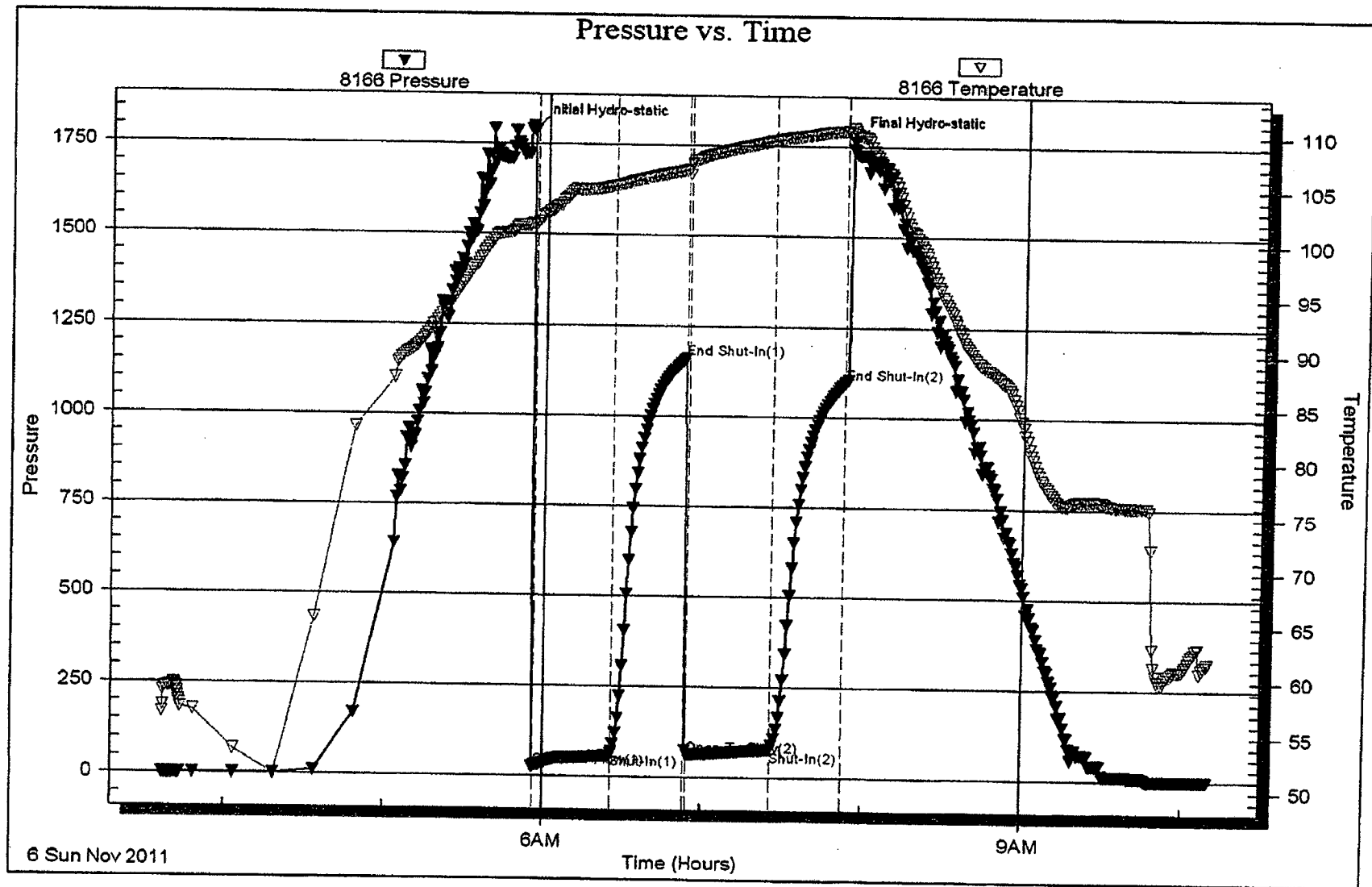
Recovery Comments: Rw .21 @ 55

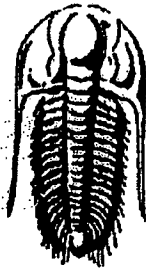
Serial #: 8166

Outside Md-Continent Energy Corp

McClure Farms #1

DST Test Number: 2





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Mid-Continent Energy Corp**

105 S Broadway STE 360  
Wichita, KS 67202+4280

ATTN: Jack Buehler/ Ben La

**McClure Farms #1**

**23-25s-12w Stafford,KS**

Start Date: 2011.11.06 @ 20:32:58

End Date: 2011.11.07 @ 04:45:28

Job Ticket #: 44102                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.11.16 @ 16:33:31

Mid-Continent Energy Corp    23-25s-12w Stafford,KS    McClure Farms #1    DST # 3    KC    2011.11.06



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Mid-Continent Energy Corp

23-25s-12w Stafford, KS

105 S Broadway STE 360  
Wichita, KS 67202-4280

McClure Farms #1

Job Ticket: 44102

DST#: 3

ATTN: Jack Buehler/ Ben La

Test Start: 2011.11.06 @ 20:32:58

## GENERAL INFORMATION:

Formation: **KC**  
Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 22:49:13

Time Test Ended: 04:45:28

Test Type: **Conventional Bottom Hole (Reset)**

Tester: **Chris Staats**

Unit No: **34**

Interval: **3730.00 ft (KB) To 3759.00 ft (KB) (TVD)**

Total Depth: **3631.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1856.00 ft (KB)**

**1843.00 ft (CF)**

**KB to GRVCF: 13.00 ft**

Serial #: **8166**

**Outside**

Press@RunDepth: **84.24 psig @ 3731.00 ft (KB)**

Start Date: **2011.11.06**

End Date:

**2011.11.07**

Start Time: **20:33:03**

End Time:

**04:45:27**

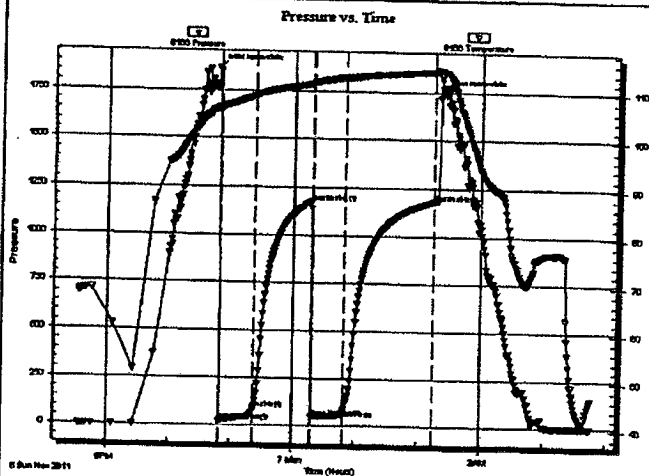
Capacity: **8000.00 psig**

Last Calib.: **2011.11.07**

Time On Btm: **2011.11.06 @ 22:47:13**

Time Off Btm: **2011.11.07 @ 02:23:13**

TEST COMMENT: IF: Weak blow 4"  
IS: No blow back  
FF: Weak blow 1 1/2 "  
FS: No blow back



## PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1865.62	106.50	Initial Hydro-static
2	22.29	106.53	Open To Flow (1)
36	88.80	109.15	Shut-In(1)
91	1175.30	111.80	End Shut-In(1)
92	50.46	111.98	Open To Flow (2)
123	84.24	113.19	Shut-In(2)
208	1178.88	114.52	End Shut-In(2)
216	1751.01	114.54	Final Hydro-static

## Recovery

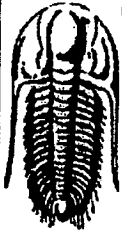
Length (ft)	Description	Volume (bbl)
30.00	W/M 20% water 80% mud	0.15
60.00	Slight oil cut M/W 1% oil 19% mud 80% w0.56	

\* Recovery from multiple tests

## Gas Rates

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





**TRIOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Mid-Continent Energy Corp

23-25s-12w Stafford, KS

105 S Broadway STE 360  
Wichita, KS 67202-4280

McClure Farms #1

Job Ticket: 44102

DST#: 3

ATTN: Jack Buehler/ Ben La

Test Start: 2011.11.06 @ 20:32:58

### Tool Information

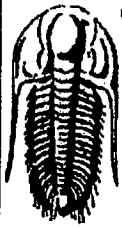
Drill Pipe:	Length: 3666.00 ft	Diameter: 3.80 inches	Volume: 51.42 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 61.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 51.72 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3730.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 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
Change Over Sub	1.00			3702.00	
Shut In Tool	5.00			3707.00	
Hydraulic tool	5.00			3712.00	
Jars	5.00			3717.00	
Safety Joint	3.00			3720.00	
Packer	5.00			3725.00	29.00 Bottom Of Top Packer
Packer	5.00			3730.00	
Slubb	1.00			3731.00	
Recorder	0.00	6773	Outside	3731.00	
Recorder	0.00	8166	Outside	3731.00	
Perforations	25.00			3756.00	
Bullnose	3.00			3759.00	29.00 Bottom Packers & Anchor

**Total Tool Length: 58.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Mid-Continent Energy Corp

23-25s-12w Stafford,KS

105 S Broadway STE 360  
Wichita, KS 67202-4280

McClure Farms #1

Job Ticket: 44102

DST#: 3

ATTN: Jack Buehler/ Ben La

Test Start: 2011.11.06 @ 20:32:58

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in<sup>2</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.02 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
30.00	W,M 20% water 80% mud	0.148
60.00	Slight oil cut M,W 1% oil 19% mud 80% w	0.559

Total Length: 90.00ft Total Volume: 0.707 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

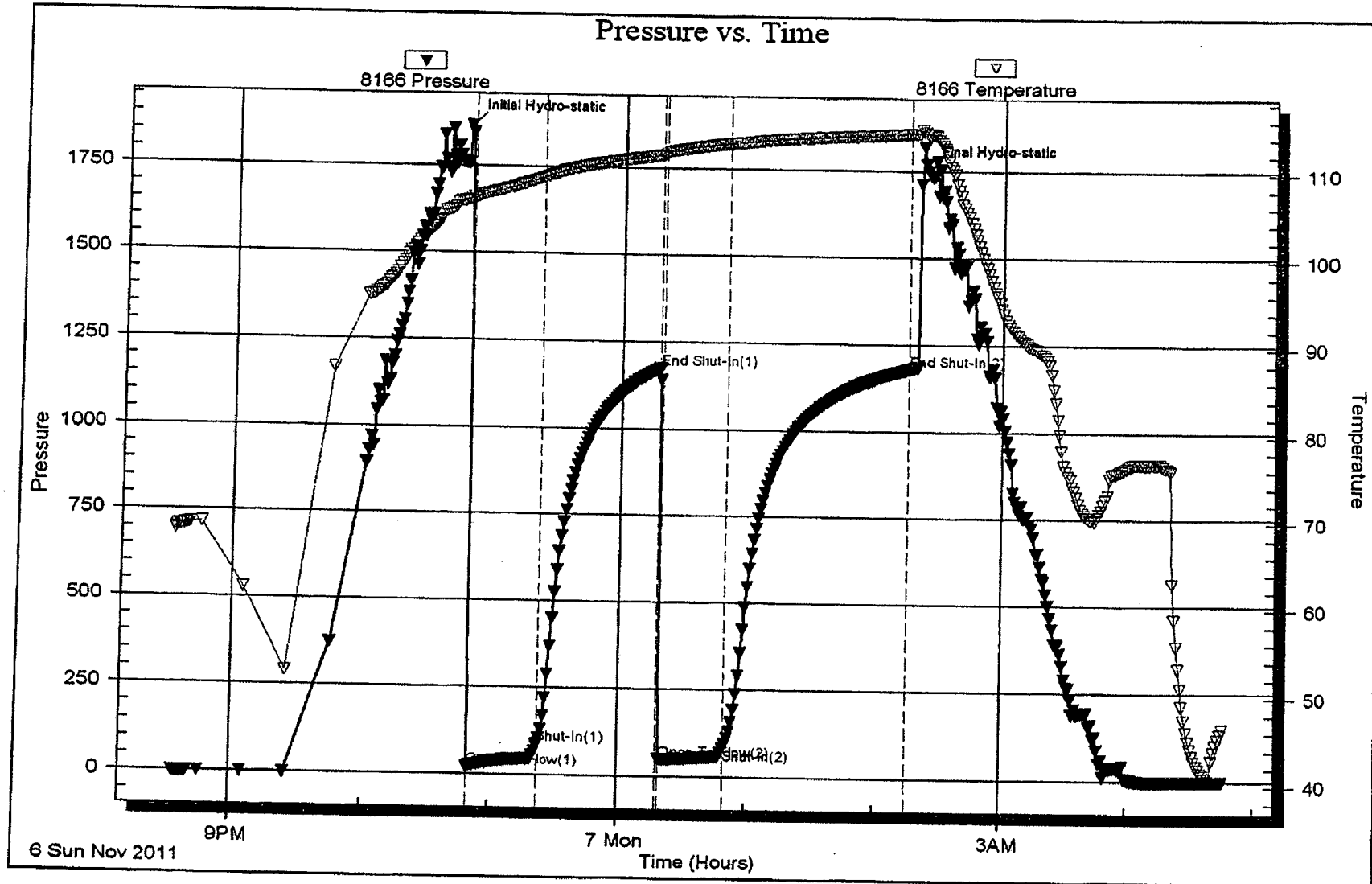
Recovery Comments:

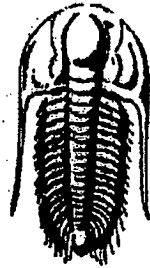
Serial #: 8166

Outside Mid-Continent Energy Corp

McCure Farms #1

DST Test Number: 3





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Mid-Continent Energy Corp**

105 S Broadway STE 360  
Wichita, KS 67202+4280

ATTN: Jack Buehler/ Ben La

**McClure Farms #1**

**23-25s-12w Stafford,KS**

Start Date: 2011.11.05 @ 07:15:06

End Date: 2011.11.05 @ 19:12:36

Job Ticket #: 44075      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Mid-Continent Energy Corp

23-25s-12w Stafford,KS

McClure Farms #1

DST # 1

Kansas City

2011.11.05

Printed: 2011.11.16 @ 16:32:51



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Mid-Continent Energy Corp

23-25s-12w Stafford,KS

105 S Broadway STE 360  
Wichita, KS 67202+4280

McClure Farms #1

Job Ticket: 44075

DST#: 1

ATTN: Jack Buehler/ Ben La

Test Start: 2011.11.05 @ 07:15:06

## GENERAL INFORMATION:

Formation: **Kansas City**  
Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 11:43:06

Time Test Ended: 19:12:36

Test Type: **Conventional Bottom Hole (Initial)**

Tester: **Chris Staats**

Unit No: **34**

Interval: **3581.00 ft (KB) To 3631.00 ft (KB) (TVD)**

Total Depth: **3631.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1856.00 ft (KB)**

**1843.00 ft (CF)**

KB to GR/CF: **13.00 ft**

Serial #: **8166**

Outside

Press@RunDepth: **111.67 psig @ 3582.00 ft (KB)**

Start Date: **2011.11.05**

End Date:

2011.11.05

Capacity: **8000.00 psig**

Last Calib.: **2011.11.05**

Start Time: **07:15:11**

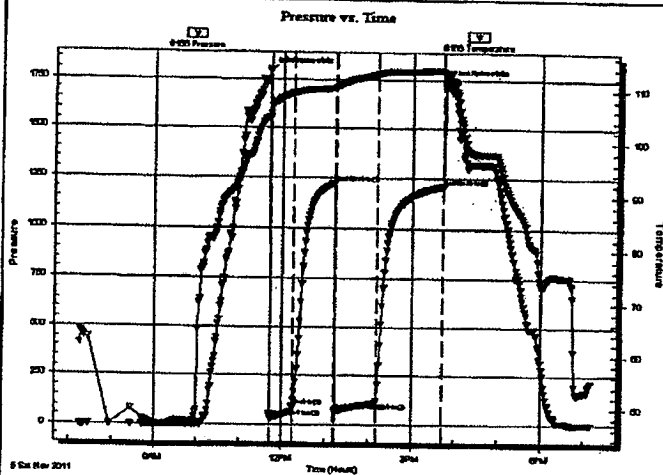
End Time:

19:12:36

Time On Btm **2011.11.05 @ 11:41:51**

Time Off Btm **2011.11.05 @ 15:45:36**

TEST COMMENT: IF: Strong blow BOB 1 min  
IS: No blow back  
FF: Strong blow BOB 30 sec  
FS: Weak blow back 2'



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1785.33	104.87	Initial Hydro-static
2	40.05	105.47	Open To Flow (1)
33	93.13	109.19	Shut-In(1)
91	1221.42	110.18	End Shut-In(1)
93	70.73	110.25	Open To Flow (2)
150	111.67	112.84	Shut-In(2)
242	1208.14	113.65	End Shut-In(2)
244	1733.46	113.21	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	1500' GIP	0.00
120.00	oil cut W/M 1% oil 39% water 60% mud	1.13
120.00	oil cut M/W 1% oil 19% mud 80% water	1.68

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Mid-Continent Energy Corp

23-25s-12w Stafford, KS

105 S Broadway STE 360  
Wichita, KS 67202-4280

McClure Farms #1

Job Ticket: 44075

DST#: 1

ATTN: Jack Buehler/ Ben La

Test Start: 2011.11.05 @ 07:15:06

### Tool Information

Drill Pipe:	Length: 3509.00 ft	Diameter: 3.80 inches	Volume: 49.22 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 61.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 49.52 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3581.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	79.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3553.00	
Shut In Tool	5.00			3558.00	
Hydraulic tool	5.00			3563.00	
Jars	5.00			3568.00	
Safety Joint	3.00			3571.00	
Packer	5.00			3576.00	29.00 Bottom Of Top Packer
Packer	5.00			3581.00	
Stubb	1.00			3582.00	
Recorder	0.00	6773	Outside	3582.00	
Recorder	0.00	8166	Outside	3582.00	
Perforations	14.00			3596.00	
Change Over Sub	0.50			3596.50	
Drill Pipe	31.00			3627.50	
Change Over Sub	0.50			3628.00	
Bullnose	3.00			3631.00	50.00 Bottom Packers & Anchor

**Total Tool Length: 79.00**