



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1176768
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: _____

1176768

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

8080 E Central Ste 300
Wichita, KS 67206

ATTN: Dave Williams

5-30s-30w Gray,KS

Corbin-Rexford A #1-5

Start Date: 2013.09.23 @ 03:39:38

End Date: 2013.09.23 @ 16:15:23

Job Ticket #: 52399 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.02 @ 09:45:06



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

Corbin-Rexford A #1-5

8080 E Central Ste 300
Wichita, KS 67206

5-30s-30w Gray,KS

ATTN: Dave Williams

Job Ticket: 52399

DST#: 1

Test Start: 2013.09.23 @ 03:39:38

GENERAL INFORMATION:

Formation: **Kansas City "J" "Den**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:56:53

Time Test Ended: 16:15:23

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 45

Interval: 4628.00 ft (KB) To 4652.00 ft (KB) (TVD)

Reference Elevations: 2824.00 ft (KB)

Total Depth: 4652.00 ft (KB) (TVD)

2813.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press @ RunDepth: 1349.92 psig @ 4629.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.23

End Date:

2013.09.23

Last Calib.:

2013.09.23

Start Time:

03:39:39

End Time:

16:15:23

Time On Btm:

2013.09.23 @ 07:34:23

Time Off Btm:

2013.09.23 @ 12:04:38

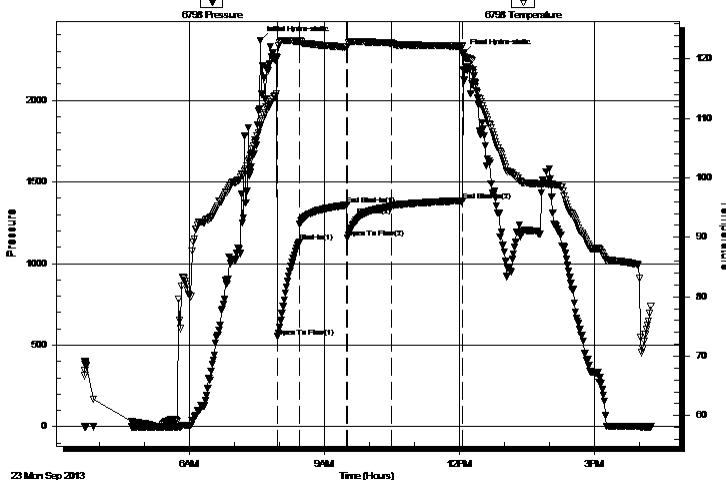
TEST COMMENT: IF: Strong Blow , BOB in 45 seconds

IS: 5 Inch Blow Back

FF: Strong Blow , BOB immediate, GTS in 1 minute, Caught Sample, TSTM

FS: Blow Back Built to BOB in 42 minutes

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2366.92	108.85	Initial Hydro-static
23	551.31	120.24	Open To Flow (1)
52	1131.27	122.93	Shut-In(1)
115	1358.18	122.00	End Shut-In(1)
116	1156.71	122.05	Open To Flow (2)
175	1349.92	122.68	Shut-In(2)
270	1384.72	122.18	End Shut-In(2)
271	2287.23	120.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	2133 GIP	0.00
2294.00	Gsy Water 10%G 90%W	29.94
186.00	GSY SMWCO 5%G 5%M 10%W 80%O	2.61

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

Corbin-Rexford A #1-5

8080 E Central Ste 300
Wichita, KS 67206

5-30s-30w Gray,KS

ATTN: Dave Williams

Job Ticket: 52399

DST#: 1

Test Start: 2013.09.23 @ 03:39:38

Tool Information

Drill Pipe:	Length: 4367.00 ft	Diameter: 3.80 inches	Volume: 61.26 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose:	105000.0 lb
			<u>Total Volume: 62.47 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	81000.00 lb
Depth to Top Packer:	4628.00 ft			Final	92000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	50.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4607.00	
Hydraulic tool	5.00			4612.00	
Jars	5.00			4617.00	
Safety Joint	2.00			4619.00	
Packer	5.00			4624.00	26.00 Bottom Of Top Packer
Packer	4.00			4628.00	
Stubb	1.00			4629.00	
Recorder	0.00	6798	Inside	4629.00	
Recorder	0.00	8367	Outside	4629.00	
Perforations	20.00			4649.00	
Bullnose	3.00			4652.00	24.00 Bottom Packers & Anchor

Total Tool Length: 50.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

Corbin-Rexford A #1-5

8080 E Central Ste 300
Wichita, KS 67206

5-30s-30w Gray,KS

Job Ticket: 52399

DST#: 1

ATTN: Dave Williams

Test Start: 2013.09.23 @ 03:39:38

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 58.00 sec/qt
Water Loss: 10.37 in³
Resistivity: ohm.m
Salinity: 4000.00 ppm
Filter Cake: 0.02 inches

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

Oil API: 41.5 deg API
Water Salinity: 88000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	2133 GIP	0.000
2294.00	Gsy Water 10%G 90%W	29.938
186.00	GSY SMWCO 5%G 5%M 10%W 80%O	2.609

Total Length: 2480.00 ft Total Volume: 32.547 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

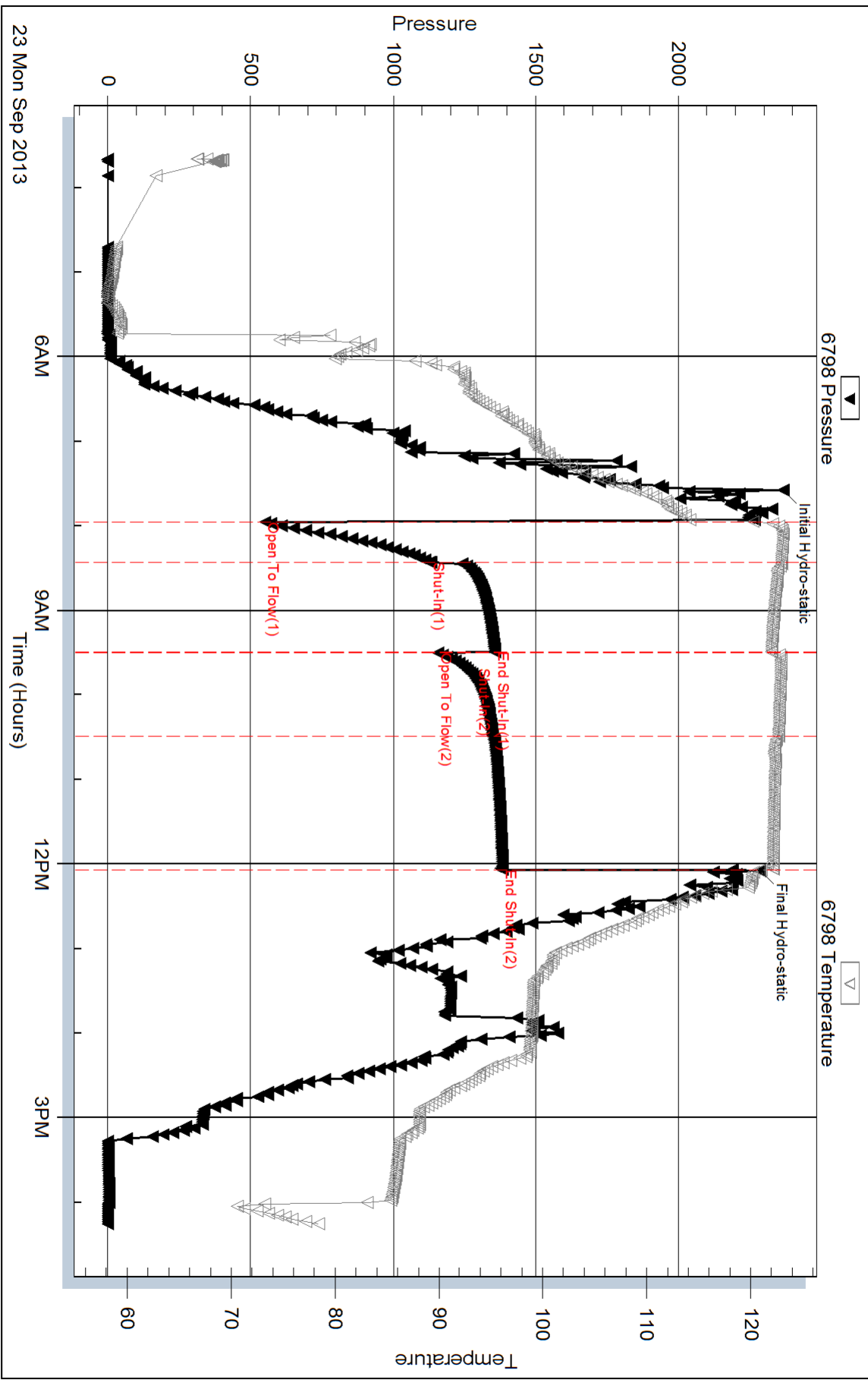
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity w as 43.5 @ 80 degrees
RW w as .08 @ 80 degrees

Pressure vs. Time

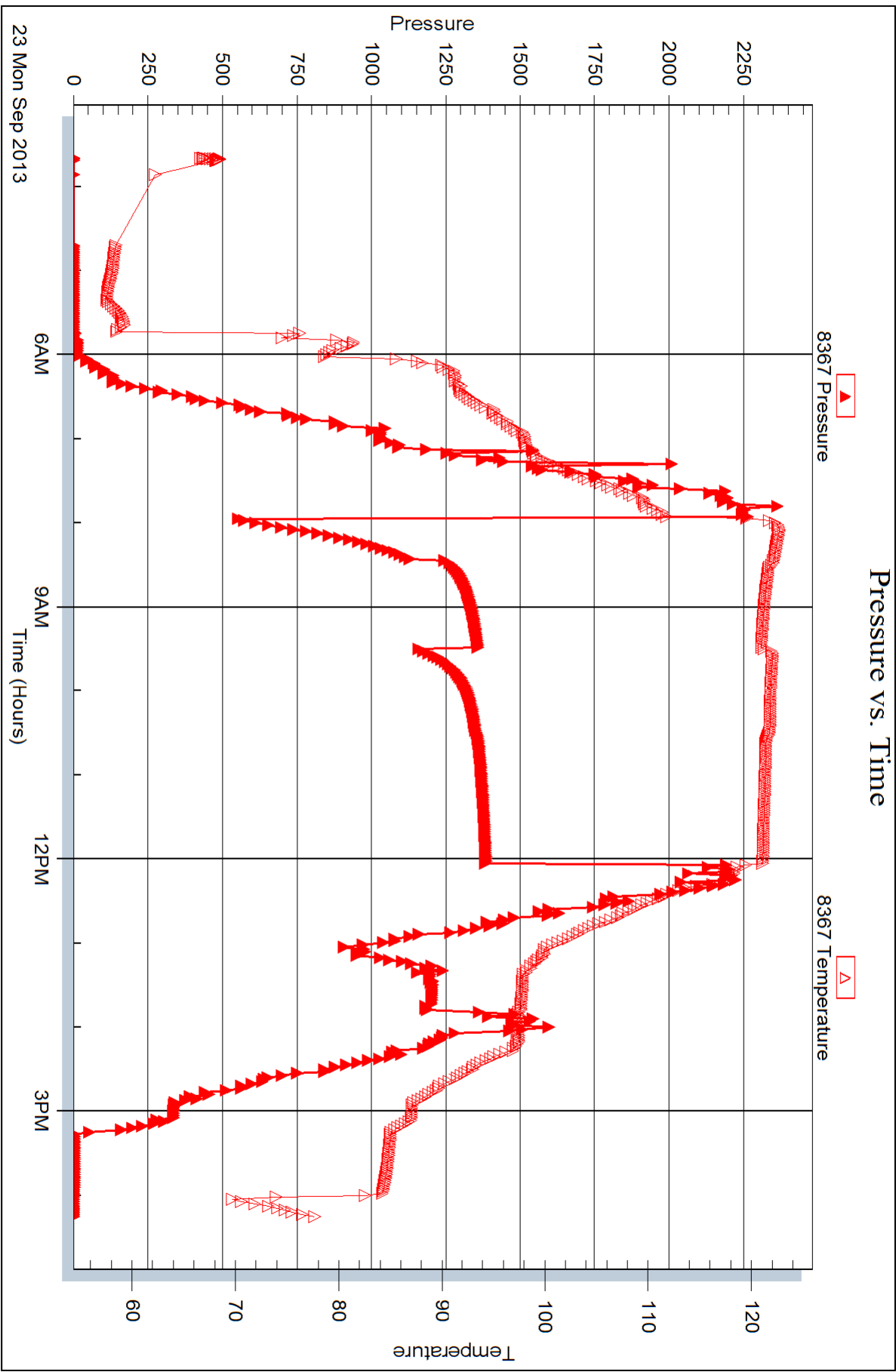


Serial #: 8367

Outside McCoy Petroleum Corporation

5-305-30w Gray,KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

8080 E Central Ste 300
Wichita, KS 67206

ATTN: Dave Williams

5-30s-30w Gray,KS

Corbin-Rexford A #1-5

Start Date: 2013.09.25 @ 00:27:38

End Date: 2013.09.25 @ 09:05:23

Job Ticket #: 52400 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.02 @ 09:44:38



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

Corbin-Rexford A #1-5

8080 E Central Ste 300
Wichita, KS 67206

5-30s-30w Gray,KS

ATTN: Dave Williams

Job Ticket: 52400

DST#: 2

Test Start: 2013.09.25 @ 00:27:38

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:25:23

Time Test Ended: 09:05:23

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 4930.00 ft (KB) To 4978.00 ft (KB) (TVD)

Reference Elevations: 2824.00 ft (KB)

Total Depth: 4978.00 ft (KB) (TVD)

2813.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 99.56 psig @ 4931.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.25

End Date:

2013.09.25

Last Calib.:

2013.09.25

Start Time: 00:27:39

End Time:

09:05:23

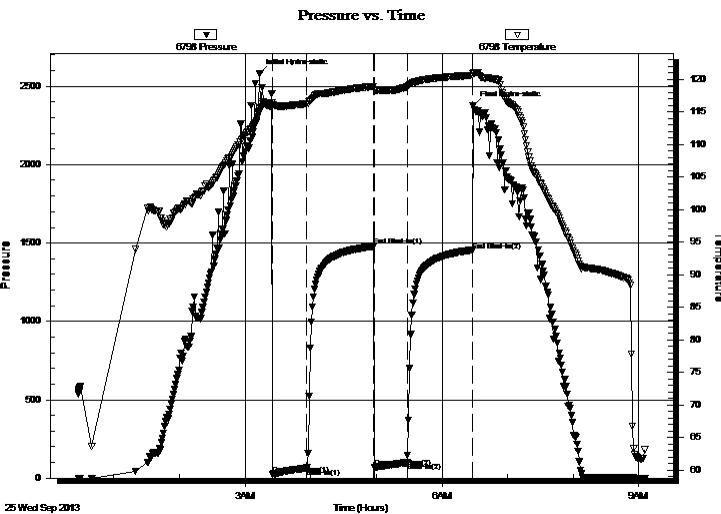
Time On Btm:

2013.09.25 @ 03:13:23

Time Off Btm:

2013.09.25 @ 06:28:23

TEST COMMENT: IF: Weak 1" Blow
IS: No Blow Back
FF: Weak 1" Blow
FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2582.58	115.12	Initial Hydro-static
12	24.28	116.07	Open To Flow (1)
43	64.84	116.24	Shut-In(1)
104	1478.89	118.90	End Shut-In(1)
105	69.04	118.42	Open To Flow (2)
135	99.56	118.80	Shut-In(2)
195	1451.94	120.60	End Shut-In(2)
195	2375.95	120.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	MCW 40%M 60%W	0.61

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McCoy Petroleum Corporation
 8080 E Central Ste 300
 Wichita, KS 67206
 ATTN: Dave Williams

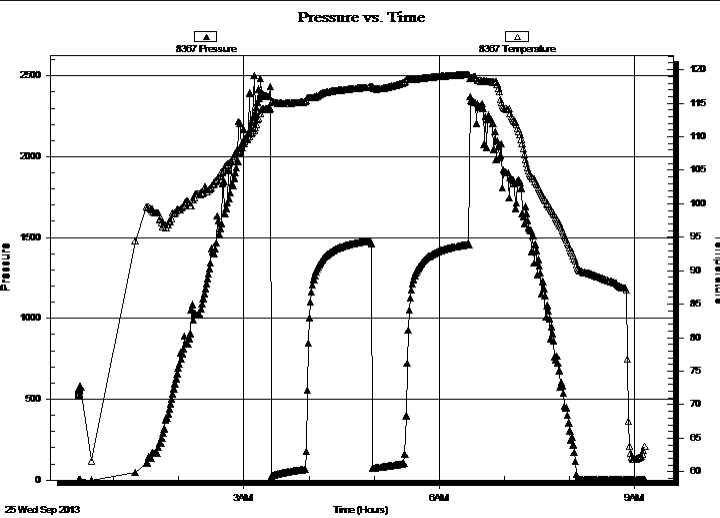
Corbin-Rexford A #1-5
5-30s-30w Gray, KS
 Job Ticket: 52400 **DST#: 2**
 Test Start: 2013.09.25 @ 00:27:38

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 03:25:23 Tester: Leal Cason
 Time Test Ended: 09:05:23 Unit No: 45
 Interval: **4930.00 ft (KB) To 4978.00 ft (KB) (TVD)** Reference Elevations: 2824.00 ft (KB)
 Total Depth: 4978.00 ft (KB) (TVD) 2813.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 8367 Outside
 Press @ Run Depth: psig @ 4931.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.09.25 End Date: 2013.09.25 Last Calib.: 2013.09.25
 Start Time: 00:27:39 End Time: 09:09:23 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Weak 1" Blow
 IS: No Blow Back
 FF: Weak 1" Blow
 FS: No Blow Back



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

Recovery		
Length (ft)	Description	Volume (bbl)
125.00	MCW 40%M 60%W	0.61

* Recovery from multiple tests

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

Corbin-Rexford A #1-5

8080 E Central Ste 300
Wichita, KS 67206

5-30s-30w Gray,KS

Job Ticket: 52400

DST#: 2

ATTN: Dave Williams

Test Start: 2013.09.25 @ 00:27:38

Tool Information

Drill Pipe:	Length: 4685.00 ft	Diameter: 3.80 inches	Volume: 65.72 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose:	105000.0 lb
			<u>Total Volume: 66.93 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	81000.00 lb
Depth to Top Packer:	4930.00 ft			Final	81000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	48.00 ft				
Tool Length:	74.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4909.00	
Hydraulic tool	5.00			4914.00	
Jars	5.00			4919.00	
Safety Joint	2.00			4921.00	
Packer	5.00			4926.00	26.00 Bottom Of Top Packer
Packer	4.00			4930.00	
Stubb	1.00			4931.00	
Recorder	0.00	6798	Inside	4931.00	
Recorder	0.00	8367	Outside	4931.00	
Perforations	5.00			4936.00	
Change Over Sub	1.00			4937.00	
Drill Pipe	32.00			4969.00	
Change Over Sub	1.00			4970.00	
Perforations	5.00			4975.00	
Bullnose	3.00			4978.00	48.00 Bottom Packers & Anchor

Total Tool Length: 74.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

Corbin-Rexford A #1-5

8080 E Central Ste 300
Wichita, KS 67206

5-30s-30w Gray,KS

Job Ticket: 52400

DST#: 2

ATTN: Dave Williams

Test Start: 2013.09.25 @ 00:27:38

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:

15000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
125.00	MCW 40%M 60%W	0.615

Total Length: 125.00 ft Total Volume: 0.615 bbl

Num Fluid Samples: 0

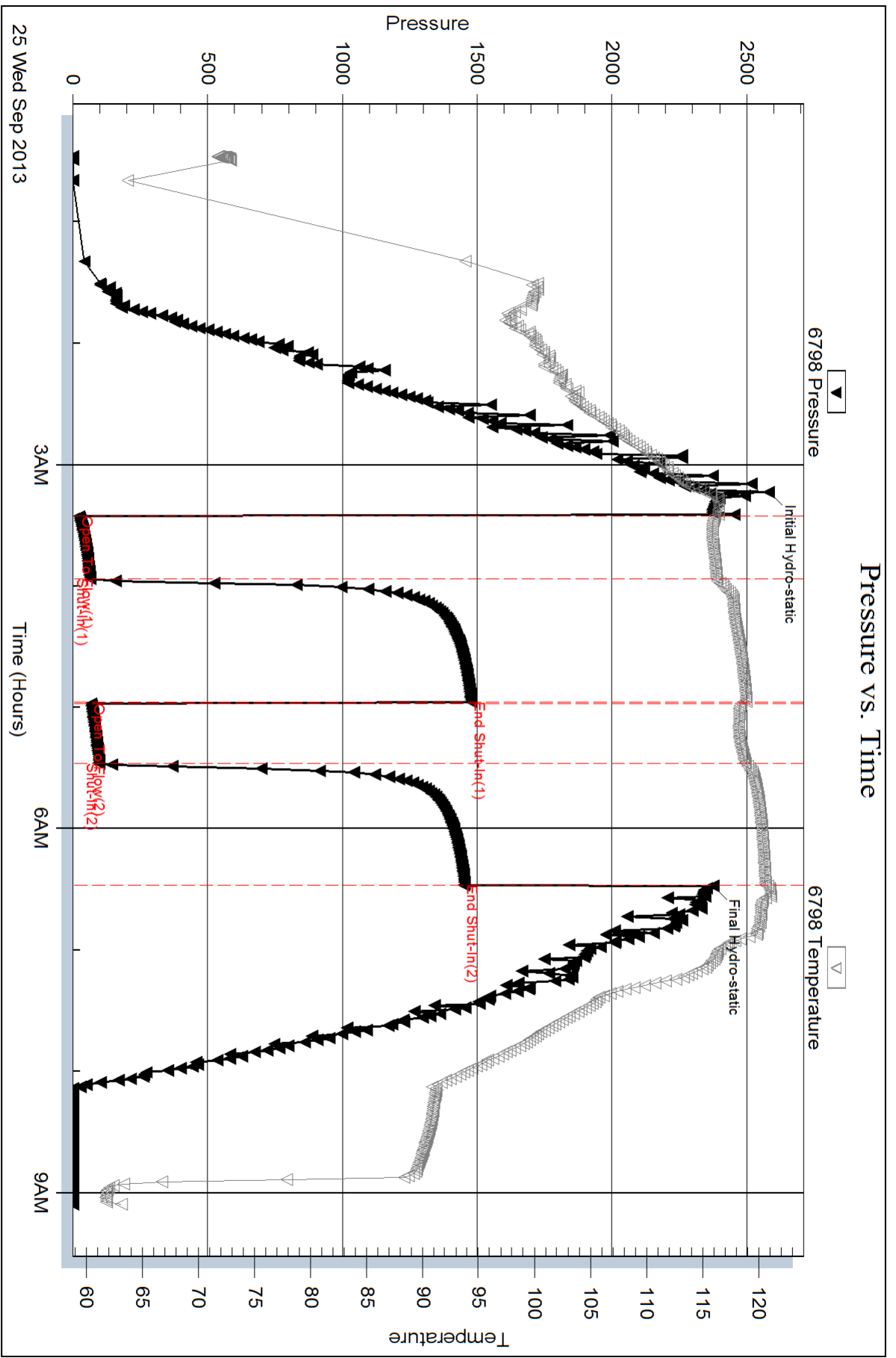
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .55 @ 56 degrees

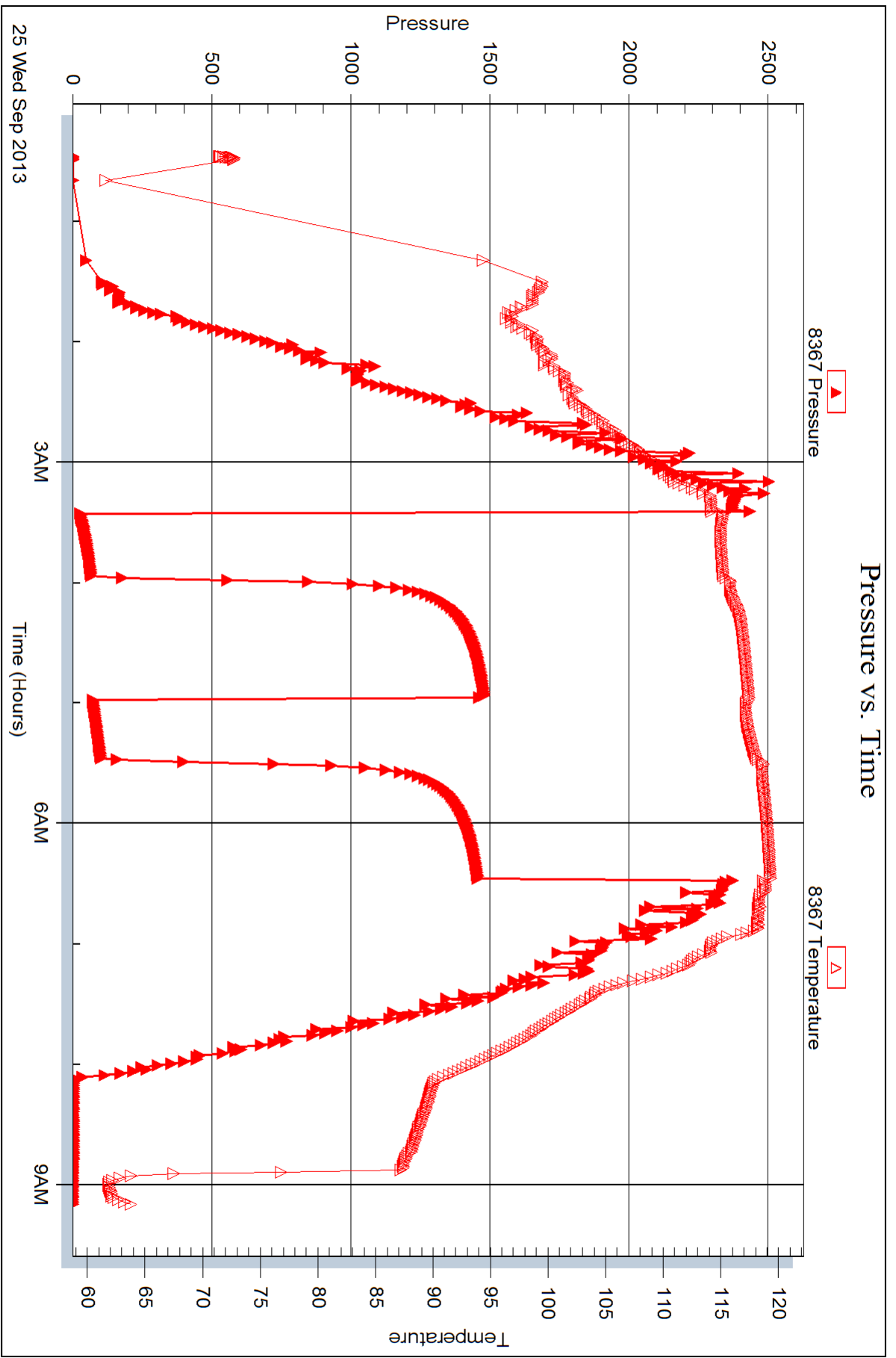


Serial #: 8367

Outside McCoy Petroleum Corporation

5-305-30w Gray,KS

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 52400

Printed: 2013.10.02 @ 09:44:40



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

8080 E Central Ste 300
Wichita, KS 67206

ATTN: Dave Williams

5-30s-30w Gray,KS

Corbin-Rexford A #1-5

Start Date: 2013.09.26 @ 09:30:06

End Date: 2013.09.26 @ 18:32:36

Job Ticket #: 52501 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.02 @ 09:55:31

McCoy Petroleum Corporation

Corbin-Rexford A #1-5

5-30s-30w Gray,KS

DST # 3

Morrow/Chester

2013.09.26



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

Corbin-Rexford A #1-5

8080 E Central Ste 300
Wichita, KS 67206

5-30s-30w Gray,KS

ATTN: Dave Williams

Job Ticket: 52501

DST#: 3

Test Start: 2013.09.26 @ 09:30:06

GENERAL INFORMATION:

Formation: **Morrow/Chester**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:51:51

Time Test Ended: 18:32:36

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 5188.00 ft (KB) To 5263.00 ft (KB) (TVD)

Reference Elevations: 2824.00 ft (KB)

Total Depth: 5263.00 ft (KB) (TVD)

2813.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 150.52 psig @ 5189.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.26

End Date:

2013.09.26

Last Calib.:

2013.09.26

Start Time: 09:30:07

End Time:

18:32:36

Time On Btm:

2013.09.26 @ 11:40:51

Time Off Btm:

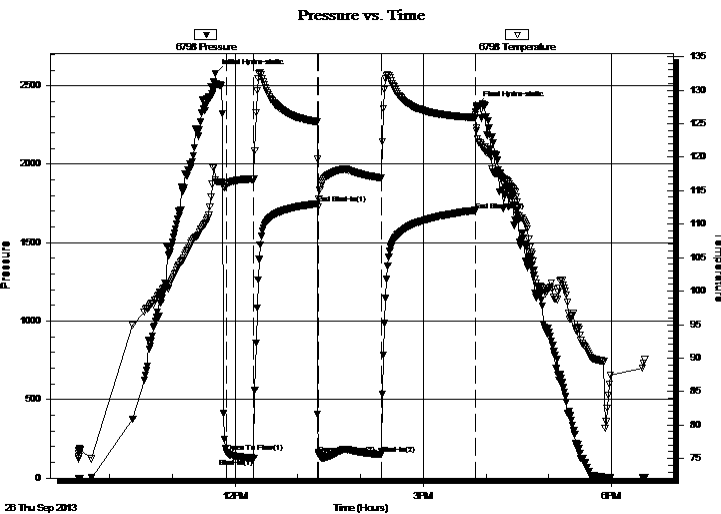
2013.09.26 @ 15:50:36

TEST COMMENT: IF: Strong Blow , BOB in 30 seconds, GTS in 5 minutes, Caught Sample & Gauged W/ Merla

IS: No Blow Back

FF: Strong Blow , BOB & GTS Immediate, Gauged W/Merla & Caught Sample

FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2579.22	116.57	Initial Hydro-static
11	166.68	115.92	Open To Flow (1)
37	126.91	116.71	Shut-In(1)
98	1749.20	125.25	End Shut-In(1)
100	151.73	113.76	Open To Flow (2)
159	150.52	116.87	Shut-In(2)
249	1706.41	125.89	End Shut-In(2)
250	2374.32	124.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	5182 GIP	0.00
5.00	GCM 10%G 90%M	0.02

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	40.00	366.97
Last Gas Rate	0.50	115.00	872.89
Max. Gas Rate	0.50	130.00	974.08



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

Corbin-Rexford A #1-5

8080 E Central Ste 300
Wichita, KS 67206

5-30s-30w Gray,KS

ATTN: Dave Williams

Job Ticket: 52501

DST#: 3

Test Start: 2013.09.26 @ 09:30:06

GENERAL INFORMATION:

Formation: **Morrow/Chester**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:51:51

Time Test Ended: 18:32:36

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 5188.00 ft (KB) To 5263.00 ft (KB) (TVD)

Reference Elevations: 2824.00 ft (KB)

Total Depth: 5263.00 ft (KB) (TVD)

2813.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8367

Outside

Press @ Run Depth: psig @ 5189.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.26

End Date:

2013.09.26

Last Calib.:

2013.09.26

Start Time: 09:30:07

End Time:

18:05:36

Time On Btm:

Time Off Btm:

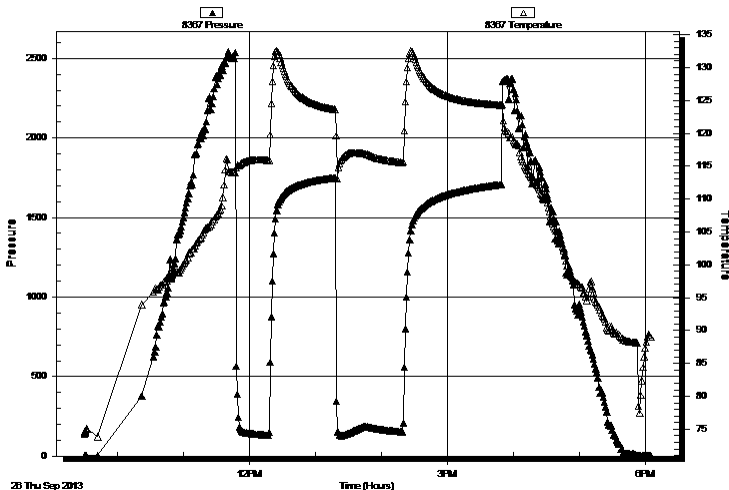
TEST COMMENT: IF: Strong Blow , BOB in 30 seconds, GTS in 5 minutes, Caught Sample & Gauged W/ Merla

IS: No Blow Back

FF: Strong Blow , BOB & GTS Immediate, Gauged W/Merla & Caught Sample

FS: No Blow Back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	5182 GIP	0.00
5.00	GCM 10%G 90%M	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	40.00	366.97
Last Gas Rate	0.50	115.00	872.89
Max. Gas Rate	0.50	130.00	974.08

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

Corbin-Rexford A #1-5

8080 E Central Ste 300
Wichita, KS 67206

5-30s-30w Gray,KS

Job Ticket: 52501

DST#: 3

ATTN: Dave Williams

Test Start: 2013.09.26 @ 09:30:06

Tool Information

Drill Pipe:	Length: 4941.00 ft	Diameter: 3.80 inches	Volume: 69.31 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 70.52 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 85000.00 lb
Depth to Top Packer:	5188.00 ft			Final 89000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	101.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Shut In Tool	5.00			5167.00	
Hydraulic tool	5.00			5172.00	
Jars	5.00			5177.00	
Safety Joint	2.00			5179.00	
Packer	5.00			5184.00	26.00 Bottom Of Top Packer
Packer	4.00			5188.00	
Stubb	1.00			5189.00	
Recorder	0.00	6798	Inside	5189.00	
Recorder	0.00	8367	Outside	5189.00	
Perforations	5.00			5194.00	
Change Over Sub	1.00			5195.00	
Drill Pipe	64.00			5259.00	
Change Over Sub	1.00			5260.00	
Bullnose	3.00			5263.00	75.00 Bottom Packers & Anchor

Total Tool Length: 101.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

Corbin-Rexford A #1-5

8080 E Central Ste 300
Wichita, KS 67206

5-30s-30w Gray,KS

Job Ticket: 52501

DST#: 3

ATTN: Dave Williams

Test Start: 2013.09.26 @ 09:30:06

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	5182 GIP	0.000
5.00	GCM 10%G 90%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

McCoy Petroleum Corporation

Corbin-Rexford A #1-5

8080 E Central Ste 300
Wichita, KS 67206

5-30s-30w Gray,KS

Job Ticket: 52501

DST#: 3

ATTN: Dave Williams

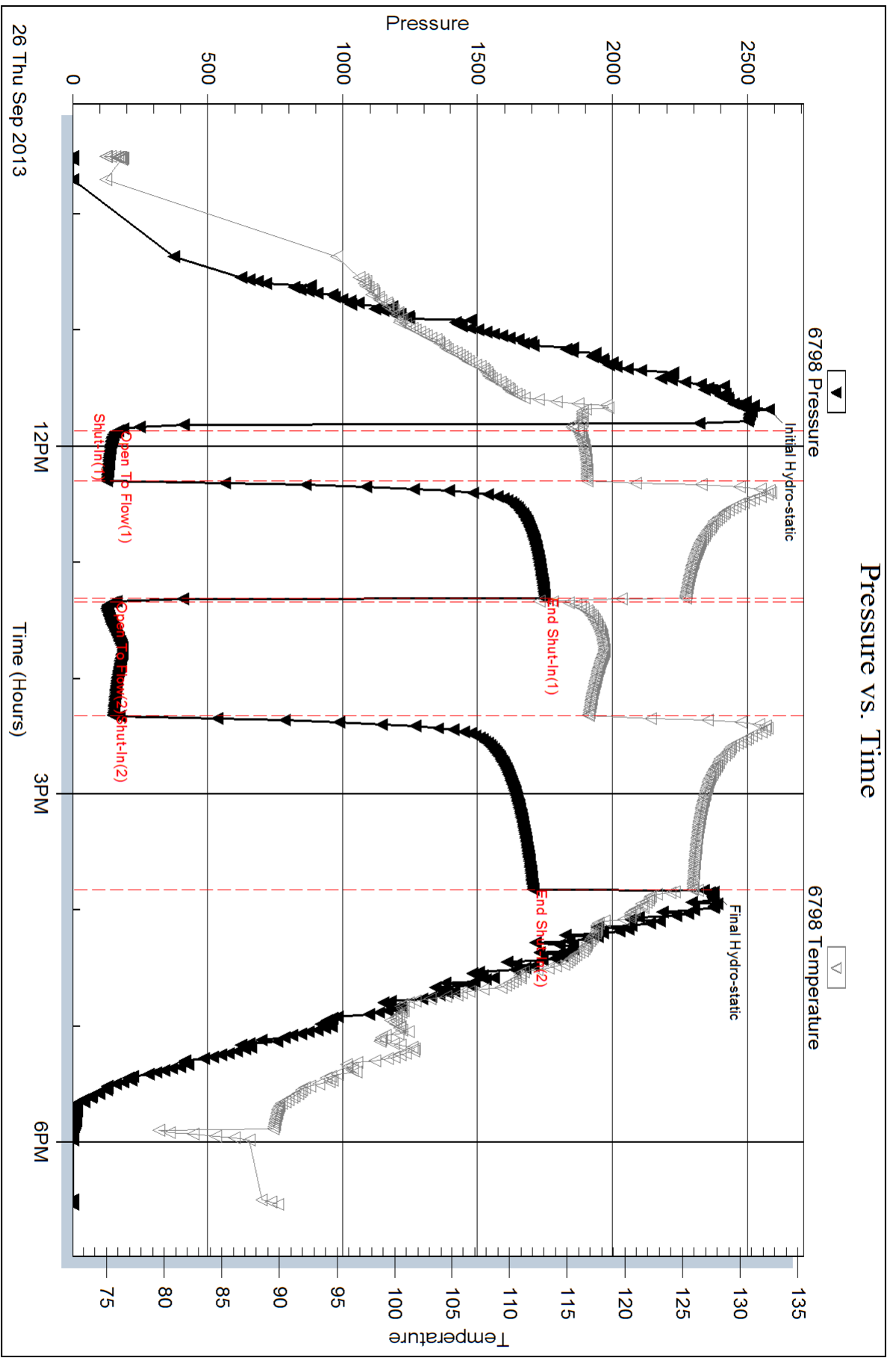
Test Start: 2013.09.26 @ 09:30:06

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	10	0.50	40.00	366.97
1	20	0.50	45.00	400.69
1	30	0.50	45.00	400.69
2	10	0.50	80.00	636.79
2	20	0.50	130.00	974.08
2	30	0.50	130.00	974.08
2	40	0.50	115.00	872.89
2	50	0.50	115.00	872.89
2	60	0.50	115.00	872.89

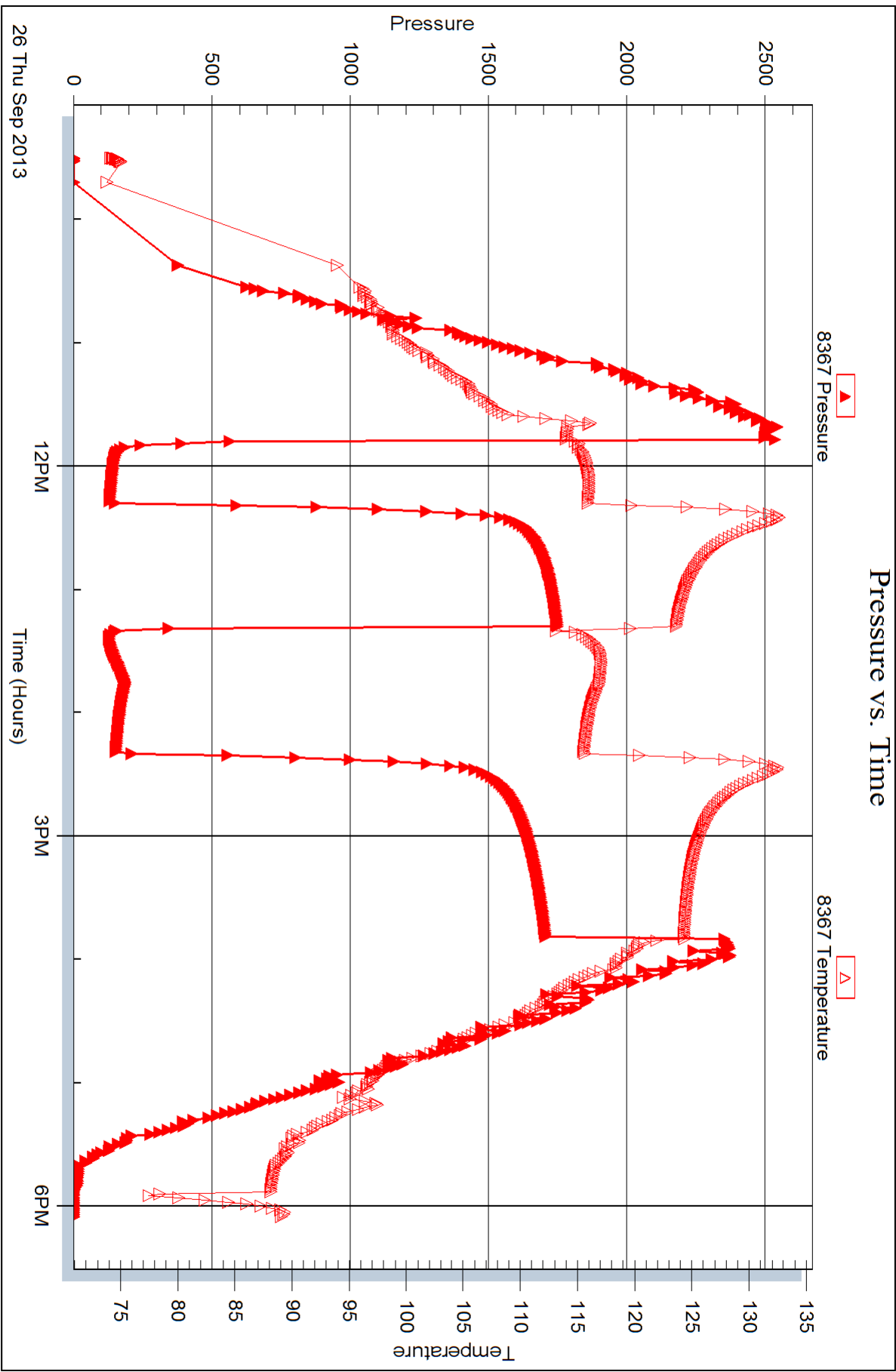


Serial #: 8367

Outside McCoy Petroleum Corporation

5-305-30w Gray,KS

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

8080 E Central Ste 300
Wichita, KS 67206

ATTN: Dave Williams

5-30s-30w Gray,KS

Corbin-Rexford A #1-5

Start Date: 2013.09.27 @ 03:38:32

End Date: 2013.09.27 @ 11:16:32

Job Ticket #: 52502 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.02 @ 09:43:46



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

Corbin-Rexford A #1-5

8080 E Central Ste 300
Wichita, KS 67206

5-30s-30w Gray,KS

ATTN: Dave Williams

Job Ticket: 52502

DST#: 4

Test Start: 2013.09.27 @ 03:38:32

GENERAL INFORMATION:

Formation: **Chester**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:46:02

Time Test Ended: 11:16:32

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 5263.00 ft (KB) To 5297.00 ft (KB) (TVD)

Reference Elevations: 2824.00 ft (KB)

Total Depth: 5297.00 ft (KB) (TVD)

2813.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8367 Outside

Press @ RunDepth: 31.50 psig @ 5264.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.27 End Date: 2013.09.27

Last Calib.: 2013.09.27

Start Time: 03:38:33 End Time: 11:16:32

Time On Btm: 2013.09.27 @ 06:36:17

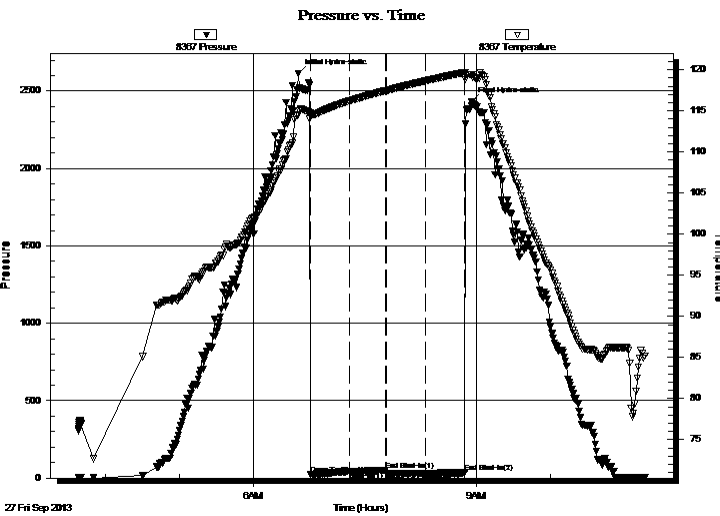
Time Off Btm: 2013.09.27 @ 08:56:32

TEST COMMENT: IF: Weak Surface Blow, Dead @ 18 minutes

IS: No Blow Back

FF: No Blow

FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2614.63	114.53	Initial Hydro-static
10	24.05	114.73	Open To Flow (1)
42	42.92	116.21	Shut-In(1)
71	50.28	117.48	End Shut-In(1)
72	26.74	117.46	Open To Flow (2)
103	31.50	118.67	Shut-In(2)
135	35.05	119.69	End Shut-In(2)
141	2432.84	119.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

Corbin-Rexford A #1-5

8080 E Central Ste 300
Wichita, KS 67206

5-30s-30w Gray,KS

Job Ticket: 52502

DST#: 4

ATTN: Dave Williams

Test Start: 2013.09.27 @ 03:38:32

Tool Information

Drill Pipe:	Length: 5004.00 ft	Diameter: 3.80 inches	Volume: 70.19 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose:	110000.0 lb
			<u>Total Volume: 71.40 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	65000.00 lb
Depth to Top Packer:	5263.00 ft			Final	65000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	34.00 ft				
Tool Length:	60.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

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

Shut In Tool	5.00			5242.00	
Hydraulic tool	5.00			5247.00	
Jars	5.00			5252.00	
Safety Joint	2.00			5254.00	
Packer	5.00			5259.00	26.00 Bottom Of Top Packer
Packer	4.00			5263.00	
Stubb	1.00			5264.00	
Recorder	0.00	6798	Inside	5264.00	
Recorder	0.00	8367	Outside	5264.00	
Perforations	30.00			5294.00	
Bullnose	3.00			5297.00	34.00 Bottom Packers & Anchor

Total Tool Length: 60.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

Corbin-Rexford A #1-5

8080 E Central Ste 300
Wichita, KS 67206

5-30s-30w Gray,KS

Job Ticket: 52502

DST#: 4

ATTN: Dave Williams

Test Start: 2013.09.27 @ 03:38:32

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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

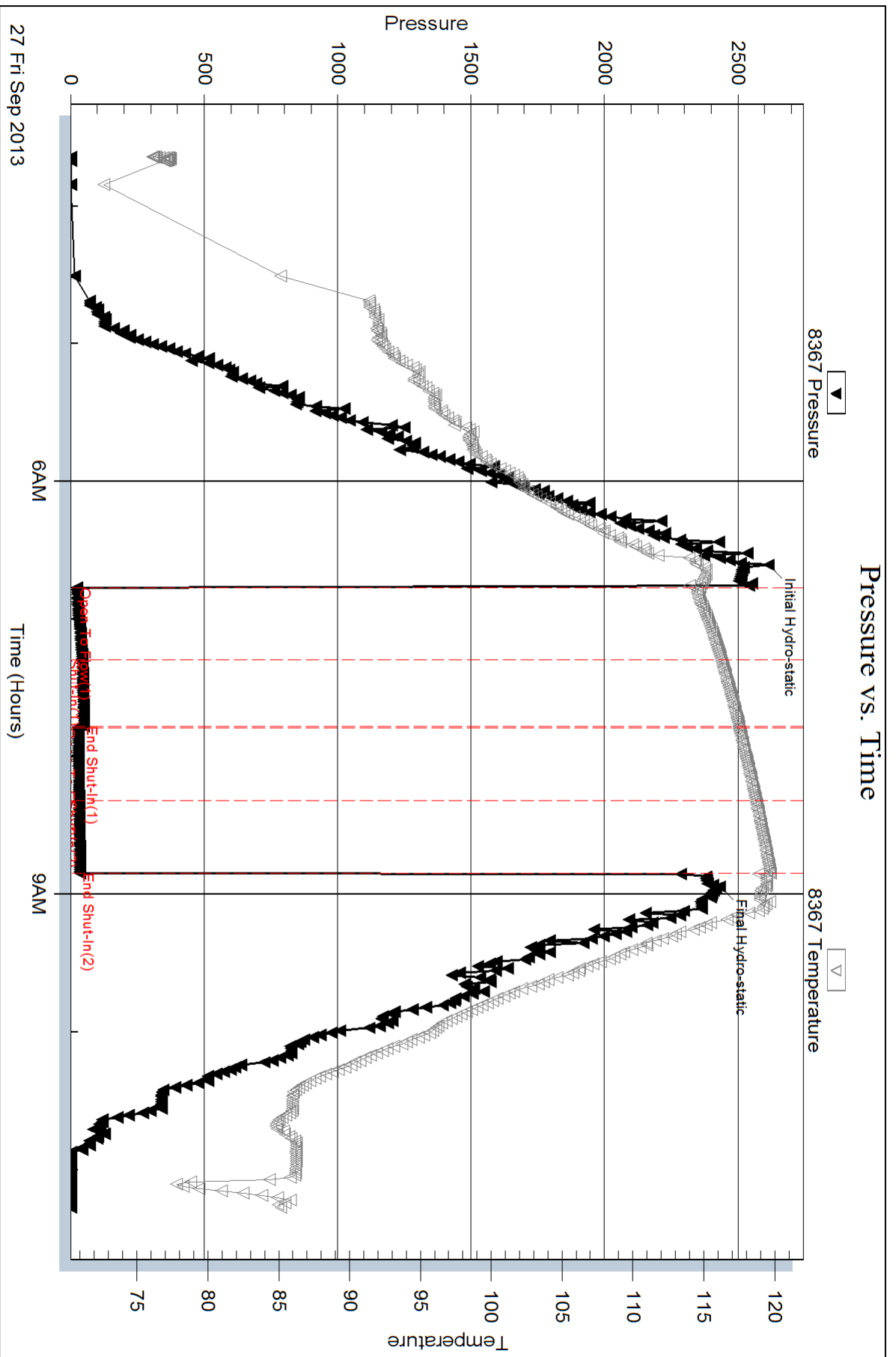
Serial #: 8367

Outside

McCoy Petroleum Corporation

5-305-30w Gray,KS

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 52502

Printed: 2013.10.02 @ 09:43:47



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

8080 E Central Ste 300
Wichita, KS 67206

ATTN: Dave Williams

5-30s-30w Gray,KS

Corbin-Rexford A #1-5

Start Date: 2013.09.29 @ 03:03:07

End Date: 2013.09.29 @ 11:47:07

Job Ticket #: 52503 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.02 @ 09:43:17



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

Corbin-Rexford A #1-5

8080 E Central Ste 300
Wichita, KS 67206

5-30s-30w Gray,KS

ATTN: Dave Williams

Job Ticket: 52503

DST#: 5

Test Start: 2013.09.29 @ 03:03:07

GENERAL INFORMATION:

Formation: **St. Louis**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:08:07

Time Test Ended: 11:47:07

Test Type: Conventional Straddle (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 5519.00 ft (KB) To 5600.00 ft (KB) (TVD)

Reference Elevations: 2824.00 ft (KB)

Total Depth: 5675.00 ft (KB) (TVD)

2813.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6798 Inside

Press @ Run Depth: 54.94 psig @ 5520.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.29

End Date:

2013.09.29

Last Calib.:

2013.09.29

Start Time: 03:03:08

End Time:

11:47:07

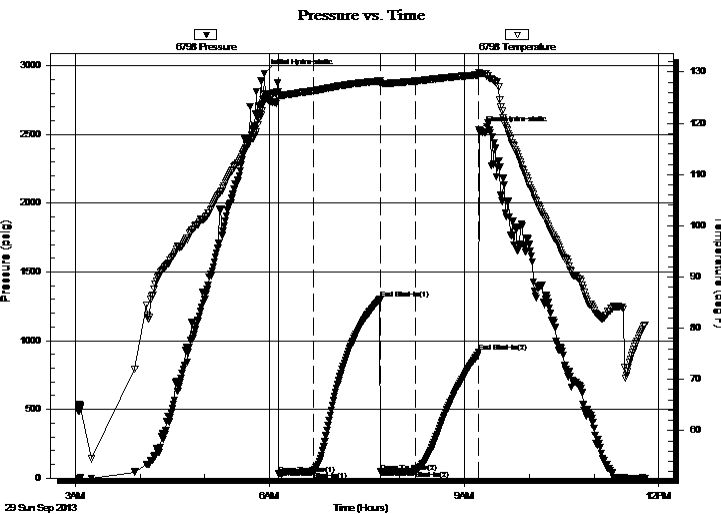
Time On Btm:

2013.09.29 @ 05:54:52

Time Off Btm:

2013.09.29 @ 09:13:37

TEST COMMENT: IF: Weak 1/2" Blow
IS: No Blow Back
FF: No Blow
FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2945.59	124.84	Initial Hydro-static
14	30.96	125.14	Open To Flow (1)
46	50.80	126.32	Shut-In(1)
107	1300.42	128.25	End Shut-In(1)
108	45.66	127.84	Open To Flow (2)
140	54.94	128.23	Shut-In(2)
198	918.27	129.45	End Shut-In(2)
199	2531.74	129.94	Final Hydro-static

Recovery

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

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

Corbin-Rexford A #1-5

8080 E Central Ste 300
Wichita, KS 67206

5-30s-30w Gray,KS

ATTN: Dave Williams

Job Ticket: 52503

DST#: 5

Test Start: 2013.09.29 @ 03:03:07

GENERAL INFORMATION:

Formation: **St. Louis**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:08:07

Time Test Ended: 11:47:07

Test Type: Conventional Straddle (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 5519.00 ft (KB) To 5600.00 ft (KB) (TVD)

Reference Elevations: 2824.00 ft (KB)

Total Depth: 5675.00 ft (KB) (TVD)

2813.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8367 Outside

Press @ Run Depth: psig @ 5520.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.29 End Date: 2013.09.29

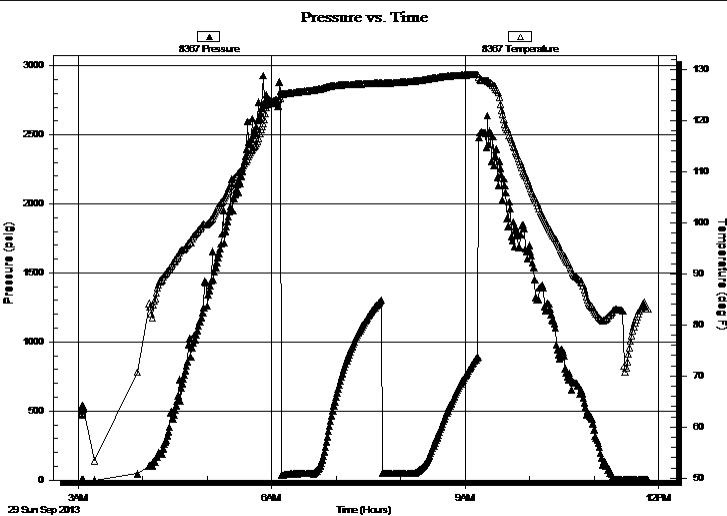
Last Calib.: 2013.09.29

Start Time: 03:03:08 End Time: 11:50:07

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Weak 1/2" Blow
IS: No Blow Back
FF: No Blow
FS: No Blow Back



PRESSURE SUMMARY

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

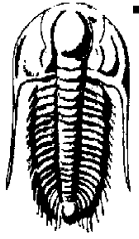
Recovery

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

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

Corbin-Rexford A #1-5

8080 E Central Ste 300
Wichita, KS 67206

5-30s-30w Gray,KS

ATTN: Dave Williams

Job Ticket: 52503 **DST#: 5**

Test Start: 2013.09.29 @ 03:03:07

GENERAL INFORMATION:

Formation: **St. Louis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:08:07
Time Test Ended: 11:47:07

Test Type: Conventional Straddle (Reset)
Tester: Leal Cason
Unit No: 45

Interval: **5519.00 ft (KB) To 5600.00 ft (KB) (TVD)**
Total Depth: 5675.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2824.00 ft (KB)
2813.00 ft (CF)
KB to GR/CF: 11.00 ft

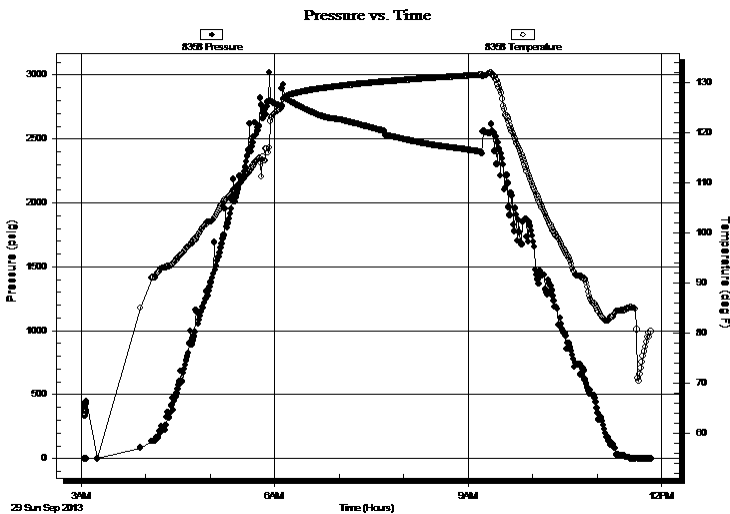
Serial #: 8358

Below (Straddle)

Press@RunDepth: psig @ 5607.00 ft (KB)
Start Date: 2013.09.29 End Date: 2013.09.29
Start Time: 03:03:08 End Time: 11:50:37

Capacity: 8000.00 psig
Last Calib.: 2013.09.29
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Weak 1/2" Blow
IS: No Blow Back
FF: No Blow
FS: No Blow Back



PRESSURE SUMMARY

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

Recovery

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

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

Corbin-Rexford A #1-5

8080 E Central Ste 300
Wichita, KS 67206

5-30s-30w Gray,KS

ATTN: Dave Williams

Job Ticket: 52503

DST#: 5

Test Start: 2013.09.29 @ 03:03:07

Tool Information

Drill Pipe:	Length: 5259.00 ft	Diameter: 3.80 inches	Volume: 73.77 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose:	110000.0 lb
			<u>Total Volume: 74.98 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	88000.00 lb
Depth to Top Packer:	5519.00 ft			Final	88000.00 lb
Depth to Bottom Packer:	5600.00 ft				
Interval between Packers:	81.00 ft				
Tool Length:	182.00 ft				
Number of Packers:	3	Diameter:	6.75 inches		

Tool Comments: Straddle Was Successful

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5498.00	
Hydraulic tool	5.00			5503.00	
Jars	5.00			5508.00	
Safety Joint	2.00			5510.00	
Packer	5.00			5515.00	26.00 Bottom Of Top Packer
Packer	4.00			5519.00	
Stubb	1.00			5520.00	
Recorder	0.00	6798	Inside	5520.00	
Recorder	0.00	8367	Outside	5520.00	
Perforations	5.00			5525.00	
Change Over Sub	1.00			5526.00	
Drill Pipe	64.00			5590.00	
Change Over Sub	1.00			5591.00	
Perforations	8.00			5599.00	
Blank Off Sub	1.00			5600.00	81.00 Tool Interval
Packer	3.00			5603.00	
Perforations	3.00			5606.00	
Change Over Sub	1.00			5607.00	
Recorder	0.00	8358	Below	5607.00	
Drill Pipe	64.00			5671.00	
Change Over Sub	1.00			5672.00	
Bullnose	3.00			5675.00	75.00 Bottom Packers & Anchor
Total Tool Length:	182.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

Corbin-Rexford A #1-5

8080 E Central Ste 300
Wichita, KS 67206

5-30s-30w Gray,KS

Job Ticket: 52503

DST#: 5

ATTN: Dave Williams

Test Start: 2013.09.29 @ 03:03:07

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: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 0.02 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:

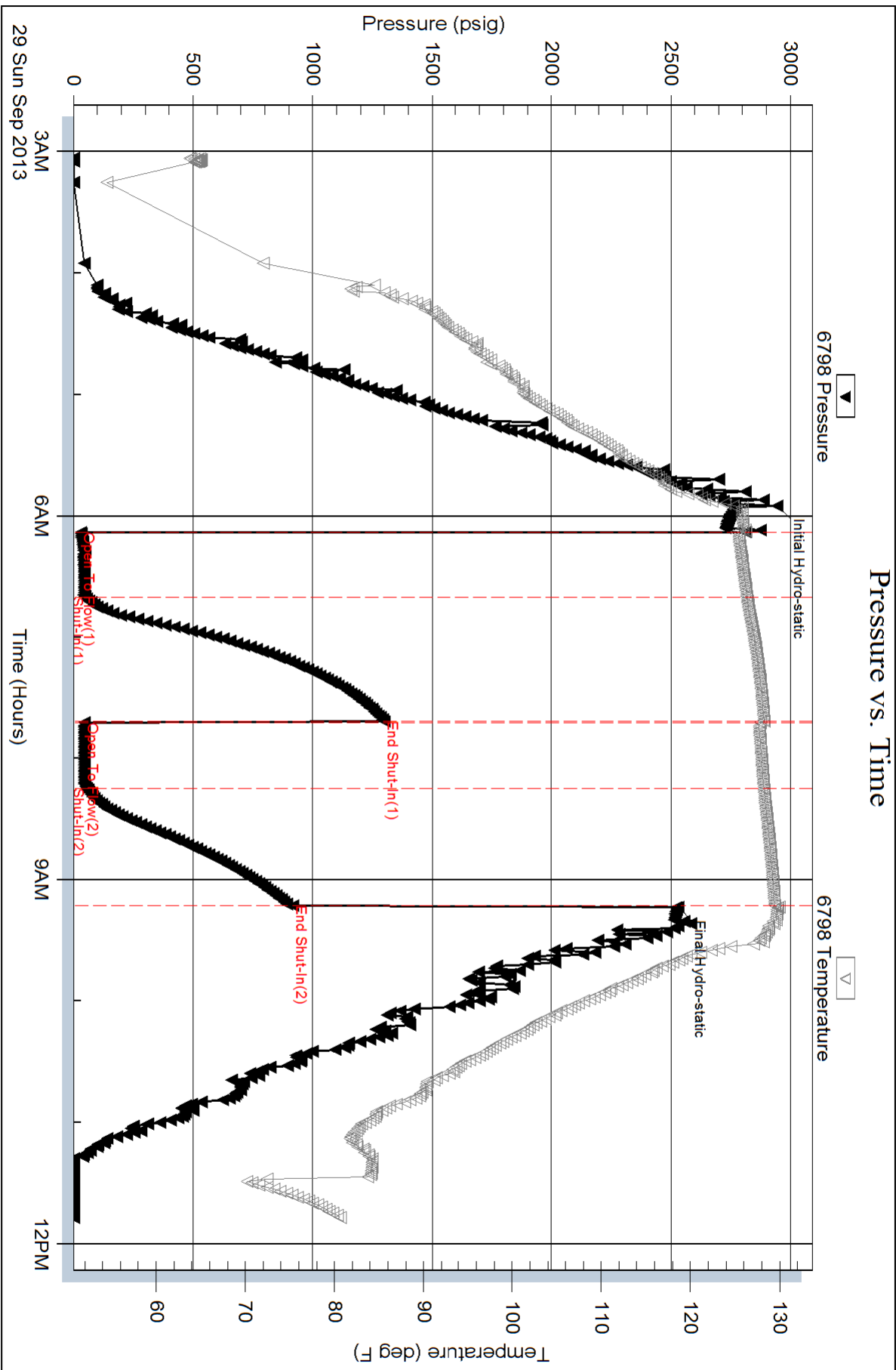
Serial #: 6798

Inside

McCoy Petroleum Corporation

5-305-30w Gray,KS

DST Test Number: 5

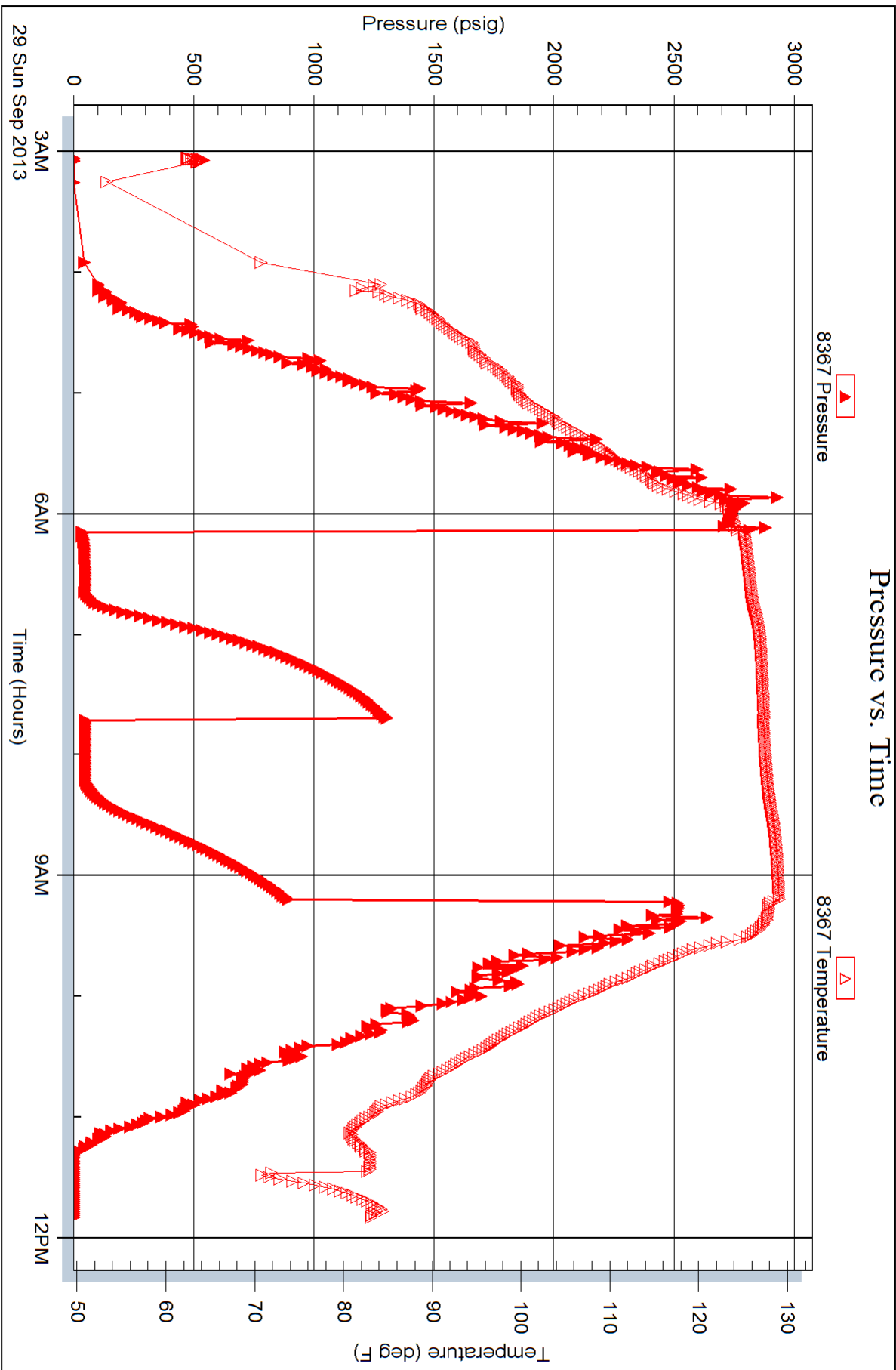


Serial #: 8367

Outside McCoy Petroleum Corporation

5-305-30w Gray,KS

DST Test Number: 5

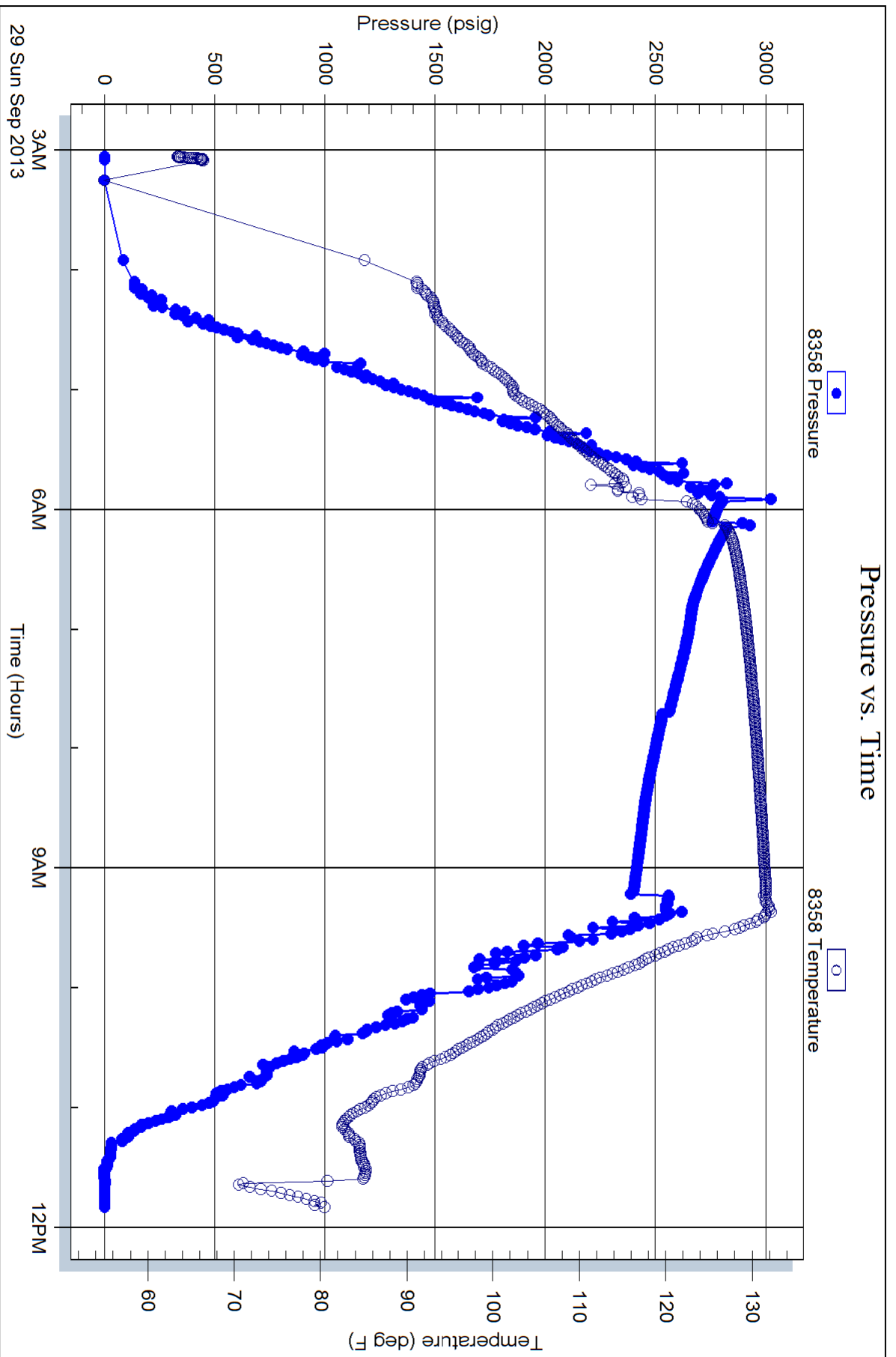


Serial #: 8358

Below (Stratford) Petroleum Corporation

5-305-30w Gray,KS

DST Test Number: 5





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52399

Well Name & No. Corbin - Rexford A 1-5 Test No. 1 Date 09/23/13
 Company McCoy Petroleum corporation Elevation 2824 KB 2813 GL
 Address 8080 E Central St # 300 Wichita, KS 67206
 Co. Rep / Geo. Dave Williams Rig Sterling 2
 Location: Sec. 5 Twp. 30S Rge. 30W Co. Gray State KS

Interval Tested 4628 - 4652 Zone Tested Kansas City "J" Dennis
 Anchor Length 24 Drill Pipe Run 4367 Mud Wt. 9.1
 Top Packer Depth 4623 Drill Collars Run 246 Vis 58
 Bottom Packer Depth 4628 Wt. Pipe Run 0 WL 10.4
 Total Depth 4652 Chlorides 4000 ppm System LCM 2

Blow Description IF: Strong Blow, BOB in 45 seconds
IS: 5 inch Blow Back
FF: Strong Blow, BOB immediate, GTS in 1 minute, caught sample, TSTM
FSI: Blow Back Built to BOB in 42 minutes

Rec	Feet of	%gas	%oil	%water	%mud
<u>2133</u>	<u>Feet of GIP</u>				
<u>186</u>	<u>Feet of GSY smwco</u>	<u>5</u>	<u>80</u>	<u>10</u>	<u>5</u>
<u>2294</u>	<u>Feet of GSY water</u>	<u>10</u>		<u>90</u>	

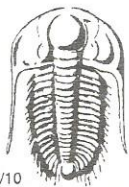
Rec Total 2480 BHT 122 Gravity 41.5 API RW .08 @ 80 °F Chlorides 88000 ppm

(A) Initial Hydrostatic 2367 Test 1250 T-On Location 00:30
 (B) First Initial Flow 551 Jars 250 T-Started 03:39
 (C) First Final Flow 1131 Safety Joint 75 T-Open 07:56
 (D) Initial Shut-In 1358 Circ Sub _____ T-Pulled 12:03
 (E) Second Initial Flow 1157 Hourly Standby 6 5.75h 575 T-Out 16:15
 (F) Second Final Flow 1350 Mileage 250 176rt 272.80 Comments Motel
 (G) Final Shut-In 1385 Sampler _____
 (H) Final Hydrostatic 2287 Straddle _____
 Shale Packer _____
 Ruined Shale Packer _____
 Ruined Packer _____

Initial Open 30 Extra Packer _____
 Initial Shut-In 60 Extra Recorder _____
 Final Flow 60 Day Standby _____
 Final Shut-In 90 Accessibility _____
 Sub Total 2422.80 MP/DST Disc't _____

Approved By Daniel P. Williams 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. 52400

Well Name & No. Corbin - Rexford A 1-5 Test No. 2 Date 09/24/13
 Company McCoy Petroleum Corporation Elevation 2824 KB 2813 GL
 Address 8080 E Central Ste 300 Wichita, KS 67206
 Co. Rep / Geo. Dave Williams Rig Sterling 2
 Location: Sec. 5 Twp. 30S Rge. 30W Co. Gray State KS

Interval Tested 4930 - 4978 Zone Tested Pawnee
 Anchor Length 48 Drill Pipe Run 4685 Mud Wt. 9.2
 Top Packer Depth 4925 Drill Collars Run 246 Vis 55
 Bottom Packer Depth 4930 Wt. Pipe Run 0 WL 8.8
 Total Depth 4978 Chlorides 3100 ppm System LCM 2

Blow Description IF: weak lynch blow

ISI: NO Blow Back

FF: Weak lynch blow

FSI: No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>125</u>	<u>MCW</u>			<u>60</u>	<u>40</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

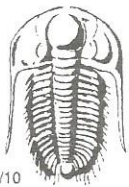
Rec Total 125 BHT 120 Gravity N/C API RW 50.55 @ 56 °F Chlorides 15000 ppm

(A) Initial Hydrostatic	<u>2582</u>	<input checked="" type="checkbox"/> Test	<u>1250</u>	T-On Location	<u>22:45</u>
(B) First Initial Flow	<u>24</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>00:27</u>
(C) First Final Flow	<u>65</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>03:25</u>
(D) Initial Shut-In	<u>1479</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>06:27</u>
(E) Second Initial Flow	<u>69</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>09:05</u>
(F) Second Final Flow	<u>100</u>	<input checked="" type="checkbox"/> Mileage	<u>(25.0)</u> 272.80	Comments	<u>Motel</u>
(G) Final Shut-In	<u>1452</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2376</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

Initial Open	<u>30</u>	<input type="checkbox"/> Shale Packer		<input type="checkbox"/> Ruined Packer	
Initial Shut-In	<u>60</u>	<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Extra Copies	
Final Flow	<u>30</u>	<input type="checkbox"/> Extra Recorder		Sub Total	<u>0</u>
Final Shut-In	<u>60</u>	<input type="checkbox"/> Day Standby		Total	<u>1847.80</u>
		<input type="checkbox"/> Accessibility		MP/DST Disc't	
		Sub Total	<u>1847.80</u>		

Approved By Dave P. Williams Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52501

Well Name & No. Corbin - Rexford A 1-5 Test No. 3 Date 09/26/13
 Company McCoy Petroleum Corporation Elevation 2824 KB 2813 GL
 Address 8080 E Central Ste 300 Wichita, KS 67206
 Co. Rep / Geo. Dave Williams Rig Sterling 2
 Location: Sec. 5 Twp. 30S Rge. 30W Co. Gray State KS

Interval Tested 5188 - 5263 Zone Tested Morrow/Chester
 Anchor Length 75 Drill Pipe Run 4941 Mud Wt. 8.8
 Top Packer Depth 5183 Drill Collars Run 246 Vis 54
 Bottom Packer Depth 5188 Wt. Pipe Run 0 WL 9.2
 Total Depth 5263 Chlorides 1000 ppm System LCM 14

Blow Description IF: Strong Blow BOB in 30 seconds, GTS in 5 minutes, caught sample + Gauged w/ Merla
ISI: NO Blow Back

FF: Strong Blow, BOB + GTS immediate, Gauged w/ Merla + caught sample

FSI NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5182</u>	<u>GIP</u>				
<u>5</u>	<u>GCM</u>	<u>10</u>			<u>90</u>

Rec Total 5 BHT 126 Gravity NIC API RW NIC @ NIC °F Chlorides NIC ppm

(A) Initial Hydrostatic <u>2579</u>	<input checked="" type="checkbox"/> Test <u>1350</u>	T-On Location <u>07:15</u>
(B) First Initial Flow <u>167</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>09:30</u>
(C) First Final Flow <u>127</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>11:51</u>
(D) Initial Shut-In <u>1749</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>15:49</u>
(E) Second Initial Flow <u>152</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>18:32</u>
(F) Second Final Flow <u>151</u>	<input checked="" type="checkbox"/> Mileage <u>(250)</u> 272.80	Comments _____
(G) Final Shut-In <u>1706</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>2374</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies _____
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Total <u>1947.80</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1947.80</u>	

Approved By Dave Williams Our Representative [Signature]

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Gas Volume Report

McCoy Petroleum

Corbin - Rexford A1-5

3

Operator

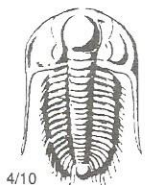
Well Name and No.

DST No.

GTS - 5 minutes

Min.	Ins. of Water PSIG	Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	CF/D
10	40	1/2	285 000	10	80	1/2	636.723
20	45	1/2	340 000	20	130	1/2	974.078
30	45	1/2	340 000	30	130	1/2	974.078
				40	115	1/2	872.892
				50	115	1/2	872.892
				60	115	1/2	872.892

Remarks:



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52502

Well Name & No. Corbin - Rexford A1-5 Test No. 4 Date 09/27/13
 Company McCoy Petroleum Corporation Elevation 2824 KB 2813 GL
 Address 8080 E Central Ste 300 Wichita, KS 67206
 Co. Rep / Geo. Dave Williams Rig Sterling 2
 Location: Sec. 5 Twp. 30S Rge. 30W Co. Gray State KS

Interval Tested 5263 - 5297 Zone Tested Chester
 Anchor Length 34 Drill Pipe Run 5004 Mud Wt. 8.8
 Top Packer Depth 5258 Drill Collars Run 246 Vis 59
 Bottom Packer Depth 5263 Wt. Pipe Run 0 WL 9.2
 Total Depth 5297 Chlorides 1000 ppm System LCM 12

Blow Description IF: Weak surface blow, Dead @ 18 minutes
ISI: NO BLOW BACK
FF: NO BLOW
FSI: NO BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>				

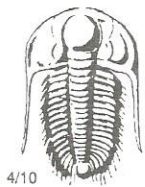
Rec Total 5 BHT 120 Gravity NIC API RW NIC @ NIC °F Chlorides NIC ppm

(A) Initial Hydrostatic <u>2614</u>	<input checked="" type="checkbox"/> Test <u>1350</u>	T-On Location <u>03:00</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>03:38</u>
(C) First Final Flow <u>43</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>06:46</u>
(D) Initial Shut-In <u>50</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>08:50</u>
(E) Second Initial Flow <u>26</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>11:16</u>
(F) Second Final Flow <u>31</u>	<input checked="" type="checkbox"/> Mileage <u>(250)</u> 272.80	Comments <u>Motel</u>
(G) Final Shut-In <u>35</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2433</u>	<input type="checkbox"/> Straddle	

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1947.80</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1947.80</u>	

Approved By [Signature] 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. 52503

Well Name & No. Corbin-Rexford A1-5 Test No. 5 Date 09/29/13
 Company McCoy Petroleum Corporation Elevation 2824 KB 2813 GL
 Address 8080 E Central Ste 300 Wichita, KS 67206
 Co. Rep / Geo. Dave Williams Rig Sterling 2
 Location: Sec. 5 Twp. 30 S Rge. 30 W Co. Gray State KS

Interval Tested 5519 - 5600 Zone Tested ST. LOUIS
 Anchor Length 81 Drill Pipe Run 5259 Mud Wt. 9.0
 Top Packer Depth 5514 Drill Collars Run 246 Vis 66
 Bottom Packer Depth 5600 Wt. Pipe Run 0 WL 8.4
 Total Depth 5675 Chlorides 1800 ppm System LCM 8

Blow Description IF: weak 1/2 inch Blow
ISF: No Blow Back

FF: No Blow

FST: No Blow Back

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

Rec Total 10 BHT 129 Gravity N/C API RW N/C @ N/C °F Chlorides N/C ppm

(A) Initial Hydrostatic <u>2946</u>	<input checked="" type="checkbox"/> Test <u>1350</u>	T-On Location <u>01:30</u>
(B) First Initial Flow <u>31</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>03:03</u>
(C) First Final Flow <u>51</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>06:08</u>
(D) Initial Shut-In <u>1300</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>09:12</u>
(E) Second Initial Flow <u>46</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>11:47</u>
(F) Second Final Flow <u>55</u>	<input checked="" type="checkbox"/> Mileage <u>250</u> 272.80	Comments <u>Straddle was</u>
(G) Final Shut-In <u>918</u>	<input type="checkbox"/> Sampler	<u>Successful</u>
(H) Final Hydrostatic <u>2532</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer

Initial Open 30 Extra Packer
 Initial Shut-In 60 Extra Recorder
 Final Flow 30 Day Standby 1/2 1d 14.25h
 Final Shut-In 60 Accessibility
 Sub Total 2547.80 MP/DST Disc't

Approved By Dave Williams Our Representative [Signature]

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SAMPLE TOPS

McCoy Petroleum

Corbin-Rexford 'A' #1-5

E2 SE SW

660'FSL & 2310'FWL

Sec 5-30s-30w

KB: 2824'

	Depth	Datum
Heebner	4195	-1371
Toronto	4214	-1390
Lansing	4262	-1438
Lansing 'G'	4531	-1707
Stark	4690	-1866
Swope Pors.	4703	-1879
Hushpuckney	4756	-1932
Hertha Pors.	4786	-1962
Marmaton	4846	-2022
Pawnee	4940	-2116
Ft Scott	4980	-2156
Cherokee	4993	-2169
Atoka	5190	-2366
Morrow Sh	5206	-2382
Chester	5232	-2408
St. Genevieve	5380	-2556
St. Louis	5550	-2726
RTD	5675	-2851

LOG TOPS

McCoy Petroleum

Corbin-Rexford 'A' #1-5

E2 SE SW

660'FSL & 2310'FWL

Sec 5-30s-30w

KB: 2824'

	Depth	Datum
Heebner	4188	-1364
Toronto	4204	-1380
Lansing	4256	-1432
Lansing 'G'	4529	-1705
Stark	4689	-1865
Swope Pors.	4703	-1879
Hushpuckney	4750	-1926
Hertha Pors.	4781	-1957
Marmaton	4840	-2016
Pawnee	4940	-2116
Ft Scott	4969	-2145

Cherokee	4984	-2160
Atoka	5182	-2358
Morrow Sh	5206	-2382
Chester	5226	-2402
St. Genevieve	5422	-2598
St. Louis	5530	-2706
LTD	5670	-2846

ALLIED OIL & GAS SERVICES, LLC 052005

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Liberals

DATE <u>9-19-13</u>	SEC. <u>5</u>	TWP. <u>30S</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>7:00</u>	JOB START <u>12:00</u>	JOB FINISH <u>1:00</u>
LEASE <u>Carbin Rex Ford</u>		WELL # <u>A-15</u>		LOCATION <u>Vec Copeland KS</u>		COUNTY <u>Meade</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR

TYPE OF JOB Surface

HOLE SIZE 12 1/2 TD. 1836

CASING SIZE 8 5/8 DEPTH 1830

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 41.35

CEMENT LEFT IN CSG. 2.6 bbls

PERFS.

DISPLACEMENT 113.87

EQUIPMENT

PUMP TRUCK CEMENTER Lenny Beza

549550 HELPER Aldo, E.

BULK TRUCK

363-527 DRIVER Ricardo C.

BULK TRUCK

DRIVER

OWNER

CEMENT

AMOUNT ORDERED 680sk 65-35 6% gel 3%cc

44 #fl

200sk Class A 3%cc

COMMON	<u>200</u>	@	<u>17.90</u>	<u>3580.00</u>
POZMIX		@		
GEL		@		
CHLORIDE	<u>29sk</u>	@	<u>69.00</u>	<u>1856.00</u>
ASC		@		
<u>Allied Light Weight 1</u>	<u>680sk</u>	@	<u>16.50</u>	<u>11220.00</u>
<u>Flo Seal</u>	<u>170#</u>	@	<u>2.97</u>	<u>504.90</u>
		@		
		@		
		@		
		@		
HANDLING	<u>991.96</u>	@	<u>2.48</u>	<u>2460.06</u>
MILEAGE	<u>1260.30</u>	@	<u>2.60</u>	<u>3276.78</u>
TOTAL				<u>22897.74</u>

REMARKS:
Thank You

CHARGE TO: McCoy Petroleum

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 1001-2000

PUMP TRUCK CHARGE 2213.75

EXTRA FOOTAGE @ _____

MILEAGE 30 @ _____ 231.00

MANIFOLD 1 @ _____ 275.00

light vehicle 30 @ _____ 132.00

@ _____

TOTAL 2851.75

PLUG & FLOAT EQUIPMENT

<u>Guide shoe</u>	<u>1</u>	@	<u>250.70</u>	<u>250.70</u>
<u>AFU float valve</u>	<u>1</u>	@	<u>229.30</u>	<u>229.30</u>
<u>Centralizer</u>	<u>5</u>	@	<u>37.50</u>	<u>187.50</u>
<u>Plug</u>	<u>1</u>	@	<u>76.25</u>	<u>76.25</u>
		@		
TOTAL				<u>743.75</u>

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Calvin Mikkelsen DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE [Signature] Net \$ 16724.93

SALES TAX (If Any) _____

TOTAL CHARGES \$ 26493.24

ALLIED OIL & GAS SERVICES, LLC 052008

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Liberall, KS

DATE <u>9-30-13</u>	SEC <u>23</u>	TWP. <u>30S</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>12:00am</u>	JOB START <u>7:00am</u>	JOB FINISH <u>8:00am</u>
COBIN - Rex Ford LEASE		WELL # <u>A-1-5</u>	LOCATION <u>Vec Copeland KS</u>		COUNTY <u>Meade</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Sterling
 TYPE OF JOB Production
 HOLE SIZE 7 7/8 T.D. 5675
 CASING SIZE 4 1/2 DEPTH 5667
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 20.4'
 CEMENT LEFT IN CSG. .32 bbls
 PERFS.
 DISPLACEMENT 89.79 bbls

OWNER
 CEMENT
 AMOUNT ORDERED 50sk 60.40-6% gal
150sk Class H 6% gyp seal 10% salt
2% gal S# Gilsonite. 5% FL-160
 COMMON 30sk @ 17.90 537.00
 POZMIX 20sk @ 9.35 187.00
 GEL 2sk @ 23.40 46.80
 CHLORIDE
 ASC 150sk @ 20.90 3135.00
Gilsonite 750# @ .98 735.00
FL-160 71# @ 18.90 1341.90
Super Flush 18 bbl @ 58.70 1056.60
Gas block 71# @ 18.00 1278.00
Liquid 10 gallon @ 34.40 344.00
 @
 @
 @
 HANDLING 248.80 @ 2.48 251.28
 MILEAGE 322.00 @ 2.60 837.20
 TOTAL 9749.78

EQUIPMENT
 PUMP TRUCK CEMENTER Lenny Baeza
 # 549-550 HELPER Aldo E.
 BULK TRUCK
 # 472-554 DRIVER Ernie S.
 BULK TRUCK
 # DRIVER

REMARKS:

CHARGE TO: McCoy Petroleum
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 5001'-6000'
 PUMP TRUCK CHARGE 3,099.25
 EXTRA FOOTAGE @
 MILEAGE 30 @ 7.70 231.00
 MANIFOLD 275 @ 1 275.00
light vehicle 30 @ 4.40 132.00
Rotating Head 300 @ 1 300.00
 TOTAL 4037.25

PLUG & FLOAT EQUIPMENT

AFU Float Shoe 1 @ 264.20 264.20
Catch down Plug 1 @ 400.00 400.00
Centralizer S @ 28.10 140.50
 @
 @
 TOTAL 804.70

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____
 TOTAL CHARGES \$ 13787.03
 DISCOUNT _____ IF PAID IN 30 DAYS
Net = \$ 9766.27

PRINTED NAME _____
 SIGNATURE Dave Allen



**Scale 1:240 (5"=100') Imperial
Measured Depth Log**

Well Name: CORBIN-REXFORD "A" # 1-5
Location: E/2- SE - SW of Sec. 5 - T. 30 S. - R. 30 W.
License Number: A.P.I. #15 - 119 - 21,347 - 00 - 00
Spud Date: 9/18/2013
Surface Coordinates: SPOT: 660' FSL & 2310' FWL

Region: MEADE CO., KS.
Drilling Completed: 09/29/2013

**Bottom Hole
Coordinates:**
Ground Elevation (ft): 2813' **K.B. Elevation (ft):** 2824'
Logged Interval (ft): SURFACE To: 5670' **Total Depth (ft):** 5675'
Formation: MISSISSIPPIAN
Type of Drilling Fluid: CHEMICAL/POLYMER/GEL. & MUD DISPLACEMENT @ 2988'.

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: McCOY PETROLEUM CORPORATION KCC LIC. NO. # 5003
Address: 8080 E. CENTRAL, STE. 300
WICHITA, KANSAS 67206-2366

GEOLOGIST

Name: DAVID P. WILLIAMS, P.G.
Company: DW ENERGY, LLC
Address: 312 N. BROADVIEW STREET
WICHITA, KANSAS 67208

CASING & DEVIATION

Spud at 12:00 pm on 09/18/13. Drilled 12-1/4" to 1836'. Ran 44 joints of new 24#, 8-5/8" casing. Tallied 1815.' Set at 1831' KB. Welded straps on shoe, bottom 3 joints and top 2 joints, tacked collars on the remainder. Centralizers (5) on joints 1-3-5-7-9. Float insert in top of 1st joint. Cemented with 680 sks 65/35 POZ; 6% Gel; 3% CC, & 1/4# FS; Plus tailed with 200 sks Class A with 2% Gel; 3% CC & 1/4# CF. Cement did circulate. Plug down at 1:00 am on 09/19/13. Allied Cementing ticket #52005.

Deviation Survey's Taken: @ 1836' = 1/2 degree; @ 4652' = 3/4 degree; @ 4978' = 1/4 degree; @ 5675' = 1 1/2 degrees.

4 1/2" production casing was run in this well to further test the comercial nature of this well.

DSTs

~~~DST # 1 4528' - 4652'. Times: 30"- 60"- 60"-90";

**Blow: IF= Strong/ BOB /45 Sec. & 5" Blow Back During ISIP.**

**FF= Strong Blow BOB / Instant With GTS @ 1" into FF & TSTM. Strong Blowback During FSIP.**

**Recovery: 2133' GIP: 2480' TF: (186' GMWCO (5% G; 80% O; 5% M)); (2294' GW (10% G; 90% Wtr). A.P.I. Grv.=41.5 degrees. Rw= .08 @ 80 degrees F.; Temp.=122 degrees F.**

**Pressures: IH=2637#; FH=2287#; IF=551-1131#; FF=1157-1350#; ISIP = 1358#; FSIP = 1385#.**

~~~DST # 2 4930'-4978'. Times: 30"- 60"-30"- 60";

Blow: IF= Weak/1"; No Blow During ISIP. FF= Weak Blow /1"; No Blow During ISIP.

Recovery: 125' MCW: (60% W & 40% M).

Pressures: IH= 2582#; FH= 2376#; IF= 24-65#; FF= 69-100#;

ISIP= 1479#; FSIP= 1452#; Temp.= 120 degrees F.; Chl.= 15,000 Ppm.; RW= 0.55 @ 56 degrees F..

~~~DST # 3 5188'-5263'. Times: 30"-60"-60"-90";

**Blow: IF= Strong/ BOB /30 Sec.. G.T.S./5". No Blow Back During ISIP. FF= Strong Blow BOB/Immed. w/G.T.S.. No Blow Back During FSIP. (See Gas Gauges Below).**

**Recovery: 5182' GIP: 5' GCM (10% G & 90% M)..**

**Pressures: IH=2579#; FH=2374#; IF=167-127#; FF=152-151#;**

**ISIP=1749#; FSIP=1706#; Temp.= 126 degrees. F..**

**DST # 3 Continued Gas Gauge. IF: @ 10"=285 Mcf; @ 20"=340 Mcf; @ 30" =340 Mcf. FF Gas Gauge: @ 10"=636.7 Mcf; @ 20" =974 Mcf; @ 30"=974 Mcf; @ 40"=872.9 Mcf; @ 50"=872.9 Mcf; @ 60"=872.9 Mcf.**

~~~DST # 4 5263"-5297". Times: 30"- 30"- 30"- 30";

Blow: IF=Weak 1/4"& Died/18"; No Blow BackDuring ISIP. FF=No Blow; No Blow BackDuring FSIP.

Recovery: 5' M:

Pressures: IH=2614#; FH=2433#; IF=24-43#; FF=26-31#; ISIP =50#; FSIP= 35#; Temp.=120 degrees F.

~~~DST # 5 (Straddle) 55519"-5600'. Times:30"-60"-30"-60".

**Blow: IF= Weak 1/4"; No Blow Back During ISIP. FF= No Blow. No Blow Back During FSIP.**

**Recovery: 10' M:**

**Pressures: IH= 2946#; FH= 2532#; IF= 31-51#; FF= 46-55#; ISIP =1300#; FSIP=918#; Temp.= 129 degrees F.**

### Comments

After review of all geologic samples as examined, combined with the fluid and pressures results from all drill stem tests taken and analysis from the electric logs run, it was determined by all parties that production casing should be run in order to further evaluate this well.

Respectfully submitted,

David P. Williams, P. G # 88 Kansas

### ROCK TYPES

|         |        |        |           |       |
|---------|--------|--------|-----------|-------|
| Anhy    | Clyst  | Gry sh | Mrlst     | Shgy  |
| Bent    | Coal   | Gyp    | Red shale | Sltst |
| Brec    | Congl  | Igne   | Salt      | Ss    |
| Carb sh | Dol    | Lmst   | Shale     | Till  |
| Cht     | Grn sh | Meta   | Shcol     |       |

### ACCESSORIES

|                |               |         |                 |                |
|----------------|---------------|---------|-----------------|----------------|
| <b>MINERAL</b> | Hvymin        | Belm    | Pellet          | Ssstrg         |
| Anhy           | Kaol          | Bioclst | Pisolite        | <b>TEXTURE</b> |
| Arggrn         | Marl          | Brach   | Plant           | Boundst        |
| Arg            | Minxl         | Bryozoa | Strom           | Chalky         |
| Bent           | Nodule        | Cephal  | <b>STRINGER</b> | Cryxln         |
| Bit            | Phos          | Coral   | Anhy            | Earthy         |
| Brecfrag       | Pyr           | Crin    | Arg             | Finexln        |
| Calc           | Salt          | Echin   | Bent            | Grainst        |
| Carb           | Sandy         | Fish    | Coal            | Lithogr        |
| Chtdk          | Silt          | Foram   | Dol             | Microxln       |
| Chtlt          | Sil           | Fossil  | Grysh           | Mudst          |
| Dol            | Sulphur       | Fuss    | Gryslt          | Packst         |
| Feldspar       | <b>FOSSIL</b> | Oolite  | Gyp             | Wackest        |
| Ferrpel        | Algae         | Oomold  | Ls              |                |
| Ferr           | Amph          | Ostra   | Mrst            |                |
| Glau           |               | Pelec   | Sltstrg         |                |
| Gyp            |               |         |                 |                |

### OTHER SYMBOLS

|                 |                |                 |                 |                       |
|-----------------|----------------|-----------------|-----------------|-----------------------|
| <b>POROSITY</b> | Vuggy          | <b>ROUNDING</b> | Even            | Straddle test tail pi |
| Earthy          | <b>SORTING</b> | Rounded         | Spotted         | Dst_alt               |
| Fenest          | Well           | Subrnd          | Ques            | <b>EVENT</b>          |
| Fracture        | Moderate       | Subang          | Dead            | Rft                   |
| Inter           | Poor           | Angular         | <b>INTERVAL</b> | Sidewall              |
| Moldic          |                | <b>OIL SHOW</b> | Core            |                       |
| Organic         |                | Gas show        | Dst             |                       |
| Pinpoint        |                |                 |                 |                       |

Curve Track 1

ROP (min/ft) ———

Gamma (API) - - - - -

Depth

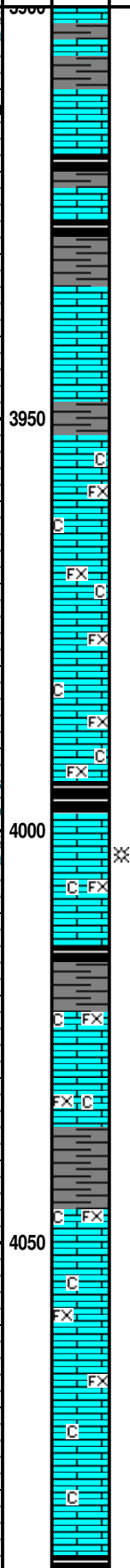
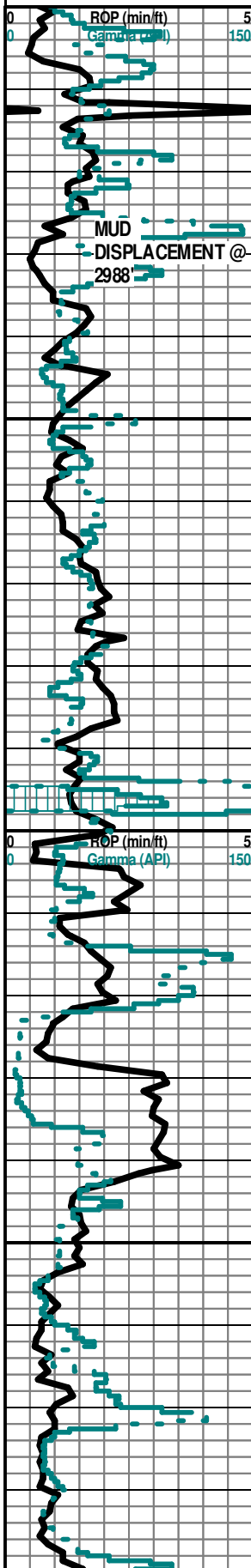
Geological

Oil Shows

Geological Descriptions

TG, C1-C5

TG (Units) ———



**McCOY PETROLEUM CORPORATION**  
**CORBIN-REXFORD "A" # 1-5**  
**SPOT: 660' FSL & 2310' FWL**  
**E/2- SE - SW**  
**Sec. 5 - T. 30 S. - R. 30 W.**  
**MEADE COUNTY, KANSAS**  
**A.P.I. # 15 - 119 - 21,347 - 00 - 00**  
**ELEVATION : 2824' K. B. ; 2813' G. L.**  
**CONTRACTOR: STERLING DRILLING - RIG # 2**  
**Geologist: David P. Williams, P. G.**

Geologist on location @ (3817') 6:07 PM 9-21-13

STONE CORRAL ANHYDRITE SAMPLE TOP = 1765' (+1059).  
 STONE CORRAL ANAYDRITE SAMPLE BASE = 1780' (+1044).

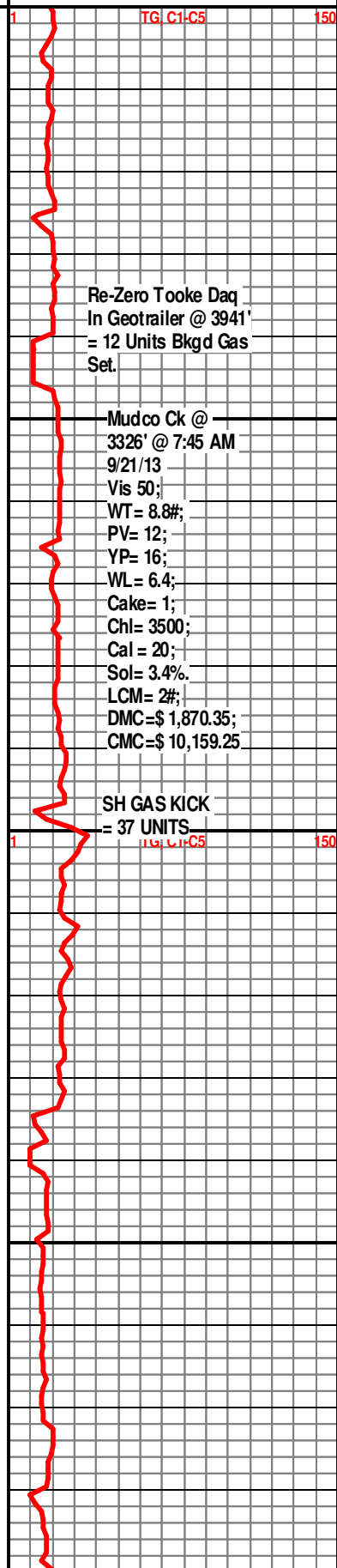
Deviation Survey's Taken: @ 1836' = 1/2 degree; @ 4652' = 3/4 degree; @ 4978' = 1/4 degree; @ 5675' = 1 1/2 degreeS.

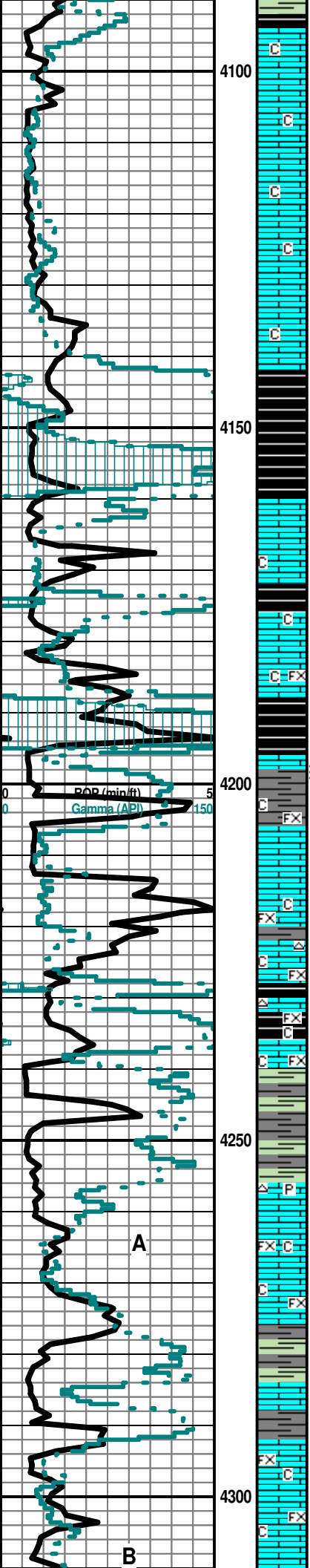
Note: All samples have been lagged to depth by calculated time.  
 Begin 31' Sample Examination @ 4000'.

Ls Wht-Crm-Gry FxIn Micrite Barren Grad Poor Pin-Pt IxIn Por Chalk Abd Sh  
 Char-Gry Soft No Odor No Stn No Flor NS

Ls Wht-Crm-Gry FxIn Micrite Barren Grad Poor Pin-Pt IxIn Por Chalk Abd Sh  
 Char-Gry Soft No Odor No Stn No Flor NS

Ls Wht-Crm-Gry FxIn Micrite Barren Grad Poor Pin-Pt IxIn Por Chalk Abd Sh  
 Char-Gry Soft No Odor No Stn No Flor NS





Ls Wht-Crm-Gry Fxln Micrite Barren Grad Poor Pin-Pt Ixln Por Grad Poor  
 OOM Por Poor Develop Poor Vug Dissolu Poor Leaching Chalk Sh Char-Gry  
 Soft No Odor No Stn No Flor NS

Ls Wht-Crm-Gry Fxln Micrite Barren Grad Poor Pin-Pt Ixln Por Por Grad  
 Poor OOM Por Poor Develop Poor Vug Dissolu Poor Leaching Chalk Sh  
 Char-Gry-Blk Carb Fissil-Soft No Odor No Stn No Flor NS

Sh Blk Carb -Char-Gry Fissil Ls Wht-Crm-Gry Fxln Micrite Barren Grad Poor  
 Pin-Pt Ixln Por Chalk Soft No Odor No Stn No Flor NS

HEEBNER 4188' (- 1364)

TORONTO 4204' (- 1380)

Sh Blk Carb-Char-Gry-Maroon Fissil Ls Wht-Crm-Gry Fxln Dns Micrite Grad  
 Pin-Pt Ixln Por Chalk No Odor No Stn No Flor NS

DOUGLAS 4228' (- 1404)

Sh Char-Gry (w/Pyr Inklus)-Maroon Soft-Fissil Ls Wht-Crm-Gry Fxln Dns  
 Micrite Grad Pin-Pt Ixln Por Cht Wht Op Shp Vit Chalk No Odor No Stn No  
 Flor NS

LANSING 4256' (- 1432)

Ls Wht-Crm-Gry Fxln Micrite Barren Grad Poor Pin-Pt Ixln Por Chalk Sh  
 Char-Gry-Blk Carb-Maroon Fissil Soft No Odor No Stn No Flor NS

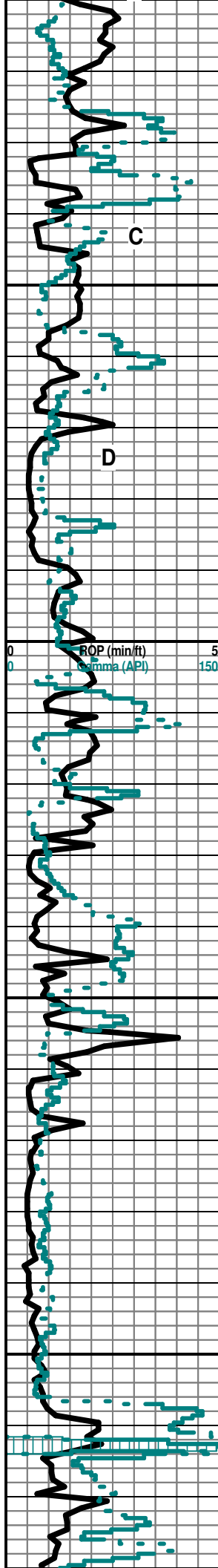
SH GAS KICK =  
 97 UNITS.

TG C1-C5 150

Scale Change  
 TG C1-C5 75

A

B



Ls Wht-Crm FxIn Micrite Barren Grad Fair IxIn Por Chalk Fos (Crin) Sh Blk Carb-Char-Gry-Aqua Fissil Soft No Odor No Stn No Flor NS

C

4350

Ls Wht-Crm-Gry FxIn Micrite Barren Grad Fair-Med Pin-Pt IxIn Por Grad Med-Good OOMPor Poor InterOOM Por Barren Chalk Cht Wht Op Shp Vit Sh Char-Gry-Olive-Maroon Fissil Soft No Odor No Stn No Flor NS

D

4400

Ls Crm-Tan-Gry Poor- IxIn Por Barren Chalky Sh Char-Gry (w/Pyr Incls) Sh-Blk Carb Fissil No Odor No Flor No Stn NS

4450

Ls Wht-Crm-Tan-Gry Fair IxIn Por Barren Chalk Abd Sh Char-Gry- Blk Carb Fissil No Odor No Flor No Stn NS

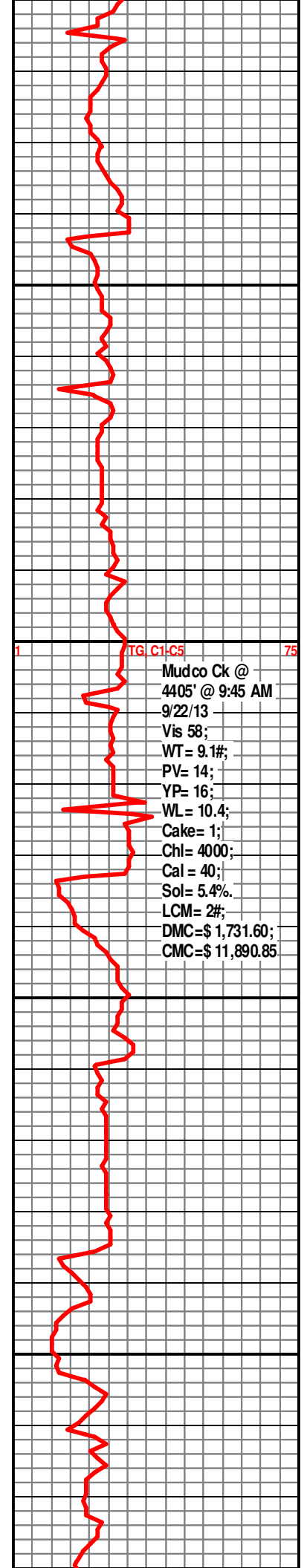
4500

Ls Wht-Crm-Tan Fair-Med-Lg XIn Por Barren Grad Poor-Fair OOM Por Poor Dissolu Fair Dissolu Poor vug Leaching Sh Char- Gry Fissil No Odor No Flor No Stn NS

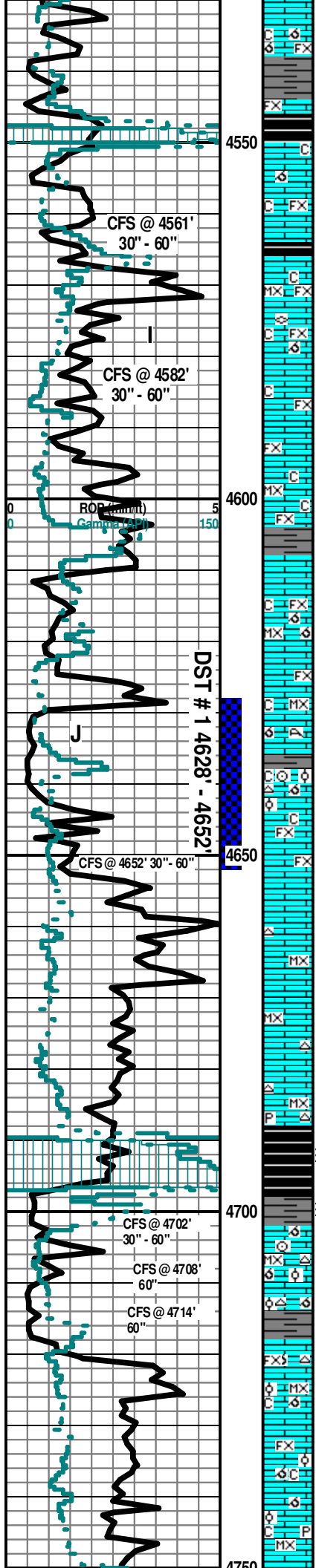
BEGIN 10' SAMPLE EAMINATION @ 4550'

Ls Crm-Tan-Gry FxIn Med-Good OOM Por Poor-Fair InterOOM Vug Por (w/Small-Med OOIDs in pl) Barren Cht Wht Op Shp Vit Sh AA No Odor No Flor No Stn NS

LANSING "G" 4529' (- 1705)



1 TG C1:C5 75  
Mudco Ck @  
4405' @ 9:45 AM  
9/22/13  
Vis 58;  
WT= 9.1#;  
PV= 14;  
YP= 16;  
WL= 10.4;  
Cake= 1;  
Chl= 4000;  
Cal = 40;  
Sol= 5.4%.  
LCM= 2#;  
DMC=\$ 1,731.60;  
CMC=\$ 11,890.85



30" CFS @ 4561' Ls Crm-Tan-Gry FxIn Med-Good OOM Por Med- Good InterOOM Vug Por Barren Cht Wht Op Shp Vit Sh AA No Odor ? Sli Min Flor No Stn NS

60" CFS @ 4561' Ls Crm-Tan-Gry FxIn Med-Good OOM Por Med- Good InterOOM Vug Por Barren Cht Wht Op Shp Vit Sh Blk Carb-Char-Gry No Odor No Flor No Stn NS

30" CFS @ 4582' Sh Blk Carb-Char-Gry-Aqua-Maroon-Red Soft-Fissil Ls Crm-Tan-Gry MicroIn-FxIn Micritic (w/Pyr Includ) Grad Med-Good OOM Por Med- Good InterOOM Vug Por AA Barren Cht Wht Op Shp Vit No Odor No Flor No Stn NS

60" CFS @ 4582' Ls Crm-Tan-Gry FxIn Micritic (w/Pyr Includ) Grad Med-Good OOM Por Med- Good InterOOM Vug Por Barren Fos (Crin, Fuss) Sh Blk Carb-Char-Gry-Aqua- Maroon-Red Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Crm MicroxIn Dns Micrite Sh AA No Odor No Flor No Stn NS

Ls Wht-Crm MicroxIn Dns Micrite Sh AA No Odor No Flor No Stn NS

Ls Wht-Crm FxIn Med-Good OOM Por Good InterOOM (w/ Small-Med OOids in pl) Por Barren Grad MicroxIn Micrite Sh AA No Odor No Flor No Stn NS

Ls Wht-Crm FxIn Med-Good OOM Por Good InterOOM (w/ Small-Med OOids in pl) Por Barren Grad MicroxIn Micrite Sh AA No Odor No Flor No Stn NS

Ls Crm-Tan FxIn Med-Good Chalky OOM Por (w/Small-Med OOids in pl) Good InterOOM Por (w/SG (Lt Brn) & SSO in Wtr Under Heat w/Broken ? Flor) Soft Good Dissolu Good Leaching Grad FxIn Vug IxIn Por Cht Wht Op Shp Vit Fos (Crin, Coral) Chalky Abd Sh Blk Carb-Char-Gry Fissil Good Odor Sli Flor Few Pcs (10) w/ Lt Brn Stn SSG & SSO

30" CFS @ 4652' Ls Crm-Tan FxIn Med-Good OOM Por Good InterOOM Por (w/SG (lt Brn) in Wtr Under Heat w/Broken ? Flor) Soft Good Dissolu Good Leaching Grad FxIn (Small-Med-Lg) Pin-Pt Vug IxIn Por Cht Wht Op Shp Vit Fos (Crin, Coral) Chalky Sh Blk Carb-Char-Gry Fissil Good Odor Sli Flor AA Lt Brn Stn Tr SSG & SSO

60" CFS @ 4652' Ls Crm-Tan FxIn Med OOM Por Fair-Med InterOOM Por Dissolu Fair Dec Leaching Grad Poor FxIn Vug IxIn Por Grad Dns Micrite Cht Wht Op Shp Vit Fos (Crin) Chalky Sh Blk Carb-Char-Gry Fissil Faint Odor Sli ? Flor No Stn VSSG & VSSO

Ls Wht-Crm-Gry MicroxIn Dns Micrite Cht Gry Op Shp Vit Sh Char- Gry Soft (Tr Only) No Odor No Stn No Flor NS

Ls Wht-Crm-Gry MicroxIn Dns Micrite Cht Gry Op Shp Vit Sh Char- Gry Soft (Tr Only) No Odor No Stn No Flor NS

Ls Wht-Crm-Gry MicroxIn Dns Micrite Cht Gry Op Shp Vit Sh Char- Gry Soft (Tr Only) No Odor No Stn No Flor NS

**STARK SHALE 4689' (- 1865)**

30" CFS @ 4702' Sh Blk Carb Fissil (w/SG) Ls Wht-Crm-Tan-Brn MicroxIn Dns Micrite (w/Pyr Includ) Cht Wht Op Shp Vit No Odor No Stn No Flor NS

**KANSAS CITY "SWOPE" (K) 4703' (-1879)**

60" CFS @ 4702' Ls Wht-Crm-Tan-Brn MicroxIn Dns Micrite (w/Pyr Includ) Grad FxIn Good Med-Lg Vug InterOOM Por (1 Pcs w/SG & Good Leaching Por) Cht Wht Op Shp Vit Fos (Crin) Sh Blk Carb Fissil (w/SG) No Odor No Stn No Flor SSG

60" CFS @ 4708' Ls Wht-Crm-Tan-Brn MicroxIn Dns Micrite (w/Pyr Includ) Cht Wht Op Shp Vit Sh Blk Carb Fissil (w/SG) No Odor No Stn No Flor NS

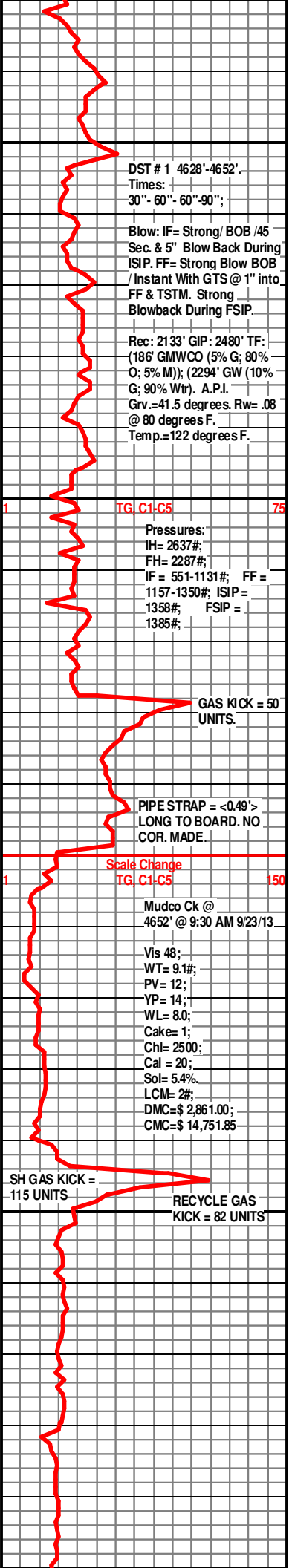
60" CFS @ 4714' Ls Wht-Crm FxIn Med-Good OOM Por (w/ Med OOids in pl) Good Leaching Good Dissolu Barren Cht Wht Op Shp Vit Sh Blk Carb Fissil No Odor No Stn No Flor NS

Ls Wht-Crm FxIn Med OOM Por (w/ Med OOids in pl) Med-Good Leaching AA Med-Good Dissolu Barren Grad MicroxIn Dns Micrite Chalky Sh Char-Gry Fissil No Odor No Stn No Flor NS

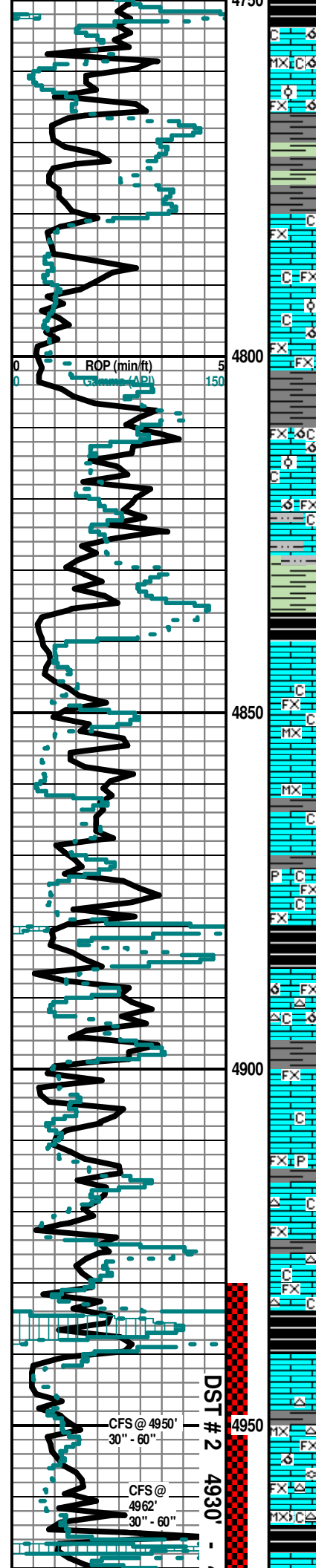
Ls Wht-Crm FxIn Med OOM Por (w/ Med OOids in pl) Med-Good Leaching AA Med-Good Dissolu Barren Grad MicroxIn Dns Micrite Chalky Sh Char-Gry Fissil No Odor No Stn No Flor NS

Ls Wht-Crm FxIn MicroxIn Dns Micrite & Med OOM Por AA Dec Fair Leaching AA Fair Dissolu Barren Grad Chalky Sh Char-Gry (w/Pyr Includ) Fissil No Odor No Stn No Flor NS

**HUSHPUCKNEY SHALE 4750' (- 1926)**







Sh Blk Carb Fissil Ls Wht-Crm-Tan-Brn Microxln Dns Micrite & OOM Por AA No Odor No Stn No Flor NS

**KANSAS CITY "HERTHA (L)" 4764' (- 1940)**

Ls Wht-Crm Fxln Med OOM Por (w/ Med OOids in pl) Med-Good Leaching AA Med-Good Dissolu Barren Grad Microxln Dns Micrite Chalky Sh Char-Gry Fissil No Odor No Stn No Flor NS

Sh Char-Gry Fissil Ls Wht-Crm-Gry Fxln Dns Micritic Barren Chalky No Odor No Flor No Stn NS

**KANSAS CITY "HERTHA POR" 4781' (-1957)**

Sh Char-Gry Fissil Ls Wht-Crm-Gry Fxln Dns Micritic Barren Chalky No Odor No Flor No Stn NS

Ls Crm-Tan Fxln Micritic Grad Fair OOM Por (w/OOL in pl) Poor Dissolu Poor Develop Poor Leaching Chalk Sh Char-Grn Fissil No Odor No Flor No Stn NS

Ls Crm-Tan Fxln Micritic Grad Fair OOM Por (w/OOL in pl) Poor Dissolu Poor Develop Poor Leaching Chalk Sh Char-Grn Fissil No Odor No Flor No Stn NS

Ls Crm-Tan Fxln Micritic Grad Poor-Fair OOM Por (w/OOL in pl) Poor Dissolu Poor Develop Poor Leaching Chalk Sh Char-Grn/Gry Fissil No Odor No Flor No Stn NS

Ls Crm-Tan Fxln Micritic Grad Poor OOM Por Poor Dissolu Poor Develop Poor Leaching Chalk Sh Char-Grn/Gry Grad Siltstn-Gry Soft- Fissil No Odor No Flor No Stn NS

**MARMATON 4840' (- 2016)**

Sh Char- Grn/Gry -Maroon-Red Fissil Ls Crm-Tan Fxln Micritic Grad Poor OOM Por Poor Dissolu Poor Develop Poor Leaching Chalk Pyr Mass No Odor No Flor No Stn NS

Ls Wht-Crm-Gry Microxln-Fxln Poor Ixln Por Micritic Dns Barren Chalk Wht Soft Sh Char-Gry-Grn Fissil No Odor No Flor No Stn NS

Ls Wht-Crm-Gry Microxln-Fxln Poor Ixln Por Micritic Dns Barren Chalk Wht Soft Sh Char-Gry-Grn Fissil No Odor No Flor No Stn NS

Ls Crm-Wht-Gry Fxln Poor Ixln Por Micritic (w/Pyr Includ) Dns Barren Chalk Sh Char-Gry -Maroon-Aqua Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Wht-Gry Fxln Poor Ixln Por Micritic Dns Barren Chalk Sh Char-Gry -Maroon-Aqua Soft-Fissil No Odor No Flor No Stn NS

**MARMATON "B" 4886' (- 2062)**

Ls Crm-Wht-Gry Fxln Poor Ixln Por Micritic Dns Barren Grad Poor OOM Por Poor InterOOM Por Cht Gry Op Shp Vit Chalk Sh Char-Gry -Siltstn Gry Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Wht-Gry Fxln Poor Ixln Por Micritic Dns Barren Chalk Sh Char-Gry Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Wht-Gry Fxln Poor Ixln Por Micritic (w/Pyr Includ) Dns Barren Cht Amber-Tan Translu-Op Shp Vit Chalk Sh Char-Gry Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Wht-Gry Fxln Poor Ixln Por Micritic Dns Barren Cht Amber-Tan Translu-Op Shp Vit Chalk Sh Char-Gry Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Wht-Gry Fxln Poor Ixln Por Micritic Dns Barren Cht Amber-Tan Translu-Op Shp Vit Chalk Sh Char-Gry Soft-Fissil No Odor No Flor No Stn NS

**PAWNEE 4940' (- 2116)**

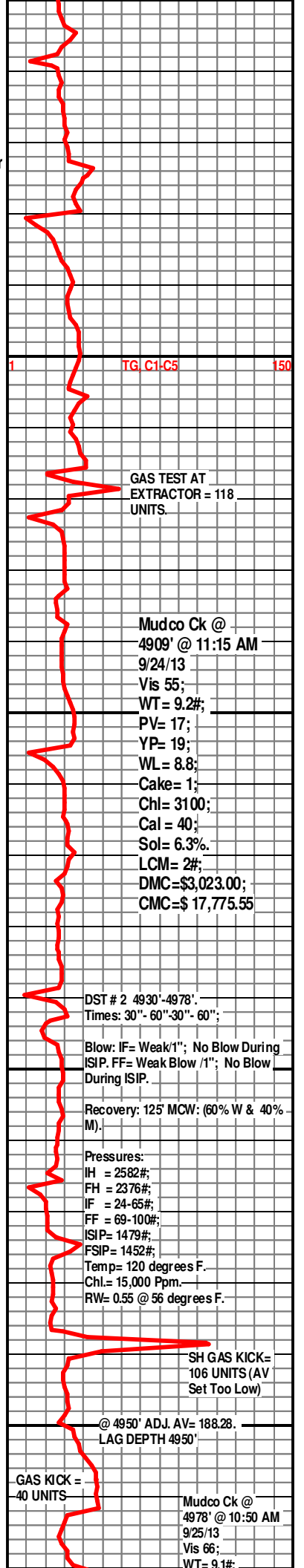
30" CFS @ 4950' Ls Crm-Tan-Wht Fxln Poor Ixln Por Micritic Dns Barren Chalk Wht Cht Wht Op Shp Vit Sh Char-Gry-Blk Carb-Aqua-Maroon Fissil No Odor No Flor No Stn NS

60" CFS @ 4950' Sh Blk Carb Fissil Ls AA Chalk AA No Odor No Stn No Flor NS

30" CFS @ 4962' Ls Wht-Crm-Tan Microxln Micrite Grad Fxln Med OOM Por Fair-Med Inter-OOM Por Cht Gry Op Shp Vit Sh Blk Carb-Aqua Faint Odor No Flor No Stn ? Show

60" CFS @ 4962' Ls Wht-Crm-Tan Microxln Micrite Grad Fxln Poor OOM Por Poor Inter- OOM (w/Small OOids in pl) Por Poor Dissolu Grad Poor Pin-Pt Ixln Por Cht Amber Translu-Op Shp Vit Fos (Fuss) Sh Blk Carb-Aqua Faint Odor No Flor No Stn ? Show

**FORT SCOTT 4969' (-2145)**



GAS TEST AT EXTRACTOR = 118 UNITS.

Mudco Ck @ 4909' @ 11:15 AM 9/24/13  
 Vis 55;  
 WT = 9.2#;  
 PV = 17;  
 YP = 19;  
 WL = 8.8;  
 Cake = 1;  
 Chl = 3100;  
 Cal = 40;  
 Sol = 6.3%.  
 LCM = 2#;  
 DMC = \$3,023.00;  
 CMC = \$ 17,775.55

DST # 2 4930'-4978'  
 Times: 30" - 60" - 30" - 60";

Blow: IF = Weak/1"; No Blow During ISIP. FF = Weak Blow /1"; No Blow During ISIP.

Recovery: 125' MCW: (60% W & 40% M).

Pressures:  
 IH = 2582#;  
 FH = 2376#;  
 IF = 24-65#;  
 FF = 69-100#;  
 ISIP = 1479#;  
 FSIP = 1452#;  
 Temp = 120 degrees F.  
 Chl = 15,000 Ppm.  
 RW = 0.55 @ 56 degrees F.

SH GAS KICK = 106 UNITS (AV Set Too Low)

@ 4950' ADJ. AV = 188.28. LAG DEPTH 4950'

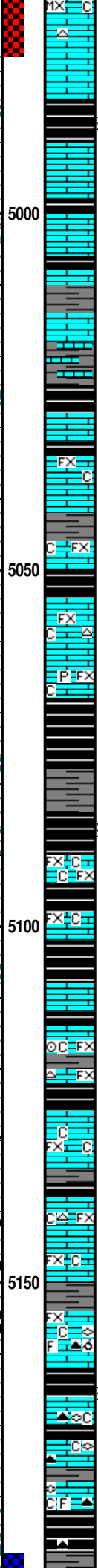
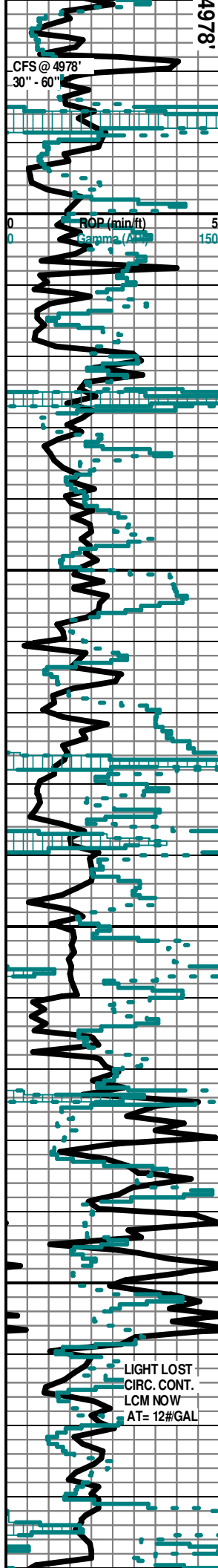
GAS KICK = 40 UNITS

Mudco Ck @ 4978' @ 10:50 AM 9/25/13  
 Vis 66;  
 WT = 9.1#;

DST # 2 4930'

CFS @ 4950' 30" - 60"

CFS @ 4962' 30" - 60"



60" CFS @ 4978' Ls Wht-Crm-Tan MicroXn Micrite Chalky Sh Blk Carb-Aqua No Odor No Flor No Stn NS

**LOST RETURNS - NO SAMPLE**  
**CHEROKEE SHALE 4984' (- 2160)**

LOST RETURNS - NO SAMPLE

LOST RETURNS - NO SAMPLE

LOST RETURNS - NO SAMPLE

Ls Crm-Wht FxIn Poor IxIn Por Micritic Dns Barren Chalk Sh Char-Gry Fissil No Odor No Flor No Stn NS

**SECOND CHEROKEE SHALE 5024' (- 2200)**

Sh Blk Carb-Gry Fissil V Abd Ls AA Chalk AA No Odor No Flor No Stn NS

Sh Blk Carb-Gry Fissil Abd Ls Crm-Wht FxIn Poor IxIn Por Micritic Dns Barren Chalk No Odor No Flor No Stn NS

Ls Crm-Tan-Gry FxIn Poor IxIn Por Micritic Dns Barren Chalk Cht Wht Translu-Op Shp Vit Sh Blk Carb-Gry Fissil AA No Odor No Flor No Stn NS

Ls Wht-Crm FxIn Poor IxIn Por Micritic Dns (w/Pyr Includ) Barren Chalk Cht Amber Op Shp Vit Sh Blk Carb-Gry Fissil No Odor No Flor No Stn NS

**THIRD CHEROKEE SHALE 5069' (- 2245)**

Sh Blk Carb-Gry Fissil Ls Crm-Wht-Tan FxIn Poor IxIn Por Micritic Dns Barren Chalk No Odor No Flor No Stn NS

Sh Blk Carb (w/SG)-Char-Gry Fissil Ls Wht-Crm-Tan MicroXn-FxIn Poor IxIn Por Micritic Dns Barren Chalk Wht Soft No Odor No Flor No Stn NS

Ls Crm-Wht-Tan FxIn Poor IxIn Por Micritic Dns Barren Chalk Cht Gry-Amber Translu-Op Shp Vit Sh Blk Carb-Gry Fissil AA No Odor No Flor No Stn NS

Sh Blk Carb-Gry Fissil Ls Crm-Wht-Tan FxIn Poor IxIn Por Micritic Dns Barren Chalk No Odor No Flor No Stn NS

Ls Crm-Wht-Tan FxIn Poor IxIn Por Micritic Dns Barren Chalk Fos (Crin) Sh Blk Carb-Gry Fissil No Odor No Flor No Stn NS

Ls Crm-Wht-Tan FxIn Poor IxIn Por Micritic Dns Barren Chalk Wht Soft Cht-Wht-Amber Op Shp Vit Sh Blk Carb-Gry Fissil No Odor No Flor No Stn NS

Sh Char-Gry-Tr Blk Carb Fissil Ls Crm-Wht-Tan FxIn Poor IxIn Por Micritic Dns Barren Chalk Wht Soft No Odor No Flor No Stn NS

Sh Char-Gry-Tr Blk Carb Fissil Ls Crm-Wht-Tan FxIn Poor IxIn Por Micritic Dns Barren Chalk Cht-Gry Op Shp Vit I No Odor No Flor No Stn NS

Sh Char-Gry-Tr Blk Carb Fissil Abd Ls Crm-Wht-Tan FxIn Poor IxIn Por Micritic Dns Barren Grad Poor OOM Por (w/Small OOids in pl) Poor Dissolu Poor Leaching Chalk Cht Drk Blk (w/Wht Fos Includ) Op Shp Vit Fos (Fuss) No Odor No Flor No Stn NS

Sh Char-Gry-Tr Blk Carb Fissil (w/SG) Abd Ls Crm-Wht-Tan FxIn Poor IxIn Por Micritic Dns Barren Grad Poor OOM Por (w/Small OOids in pl) Poor Dissolu Poor Leaching Chalk Cht Drk Blk (w/Wht Fos Includ) Op Shp Vit Fos (Fuss) No Odor No Flor No Stn NS

**ATOKA SHALE 5182' (- 2358)**

30" CFS @ 5200' Sh Char-Gry-Tr Blk Carb (w/SG) Fissil Abd Ls Crm-Wht-Tan FxIn Poor IxIn Por Micritic Dns Barren Chalk Cht Drk Blk (w/Wht Fos Includ)-Gry-Tan Op Shp Vit Fos (Fuss) No Odor No Flor No Stn NS

GAS KICK = 90 UNIT.  
 PV= 19;  
 YP= 23;  
 WL= 8.8;  
 Cake= 1;  
 Chl= 3600;  
 Cal = 40;  
 Sol= 5.5%.  
 LCM= 2#;  
 DMC=\$2,651.55;  
 CMC=\$ 20,427.10

SH GAS KICK = 55 UNIT.  
 TG C1-C5 150

LOST RETURNS  
 AT 5020' =  
 APPROX. 120  
 BBLS.

Mudco Ck @  
 5263' @ 3:30 AM 9/26/13

Vis 66;  
 WT= 8.8#;  
 PV= 20;  
 YP= 22;  
 WL= 9.2;  
 Cake= 1;  
 Chl= 1000;  
 Cal = 20;  
 Sol= 3.6%.  
 LCM= 11.5#;  
 DMC=\$5,465.25;  
 CMC=\$25,892.35

SH GAS KICK = 62 UNITS.

@ 5104' ADJ. AV= 157.06.  
 LAG DEPTH 5087'. GAS  
 KICK IS LOW.

SLIGHT LOST  
 CIRCULATION  
 CONTINUES. LCM NOW  
 AT= 12#GA

DST # 3 5188'-5263'.

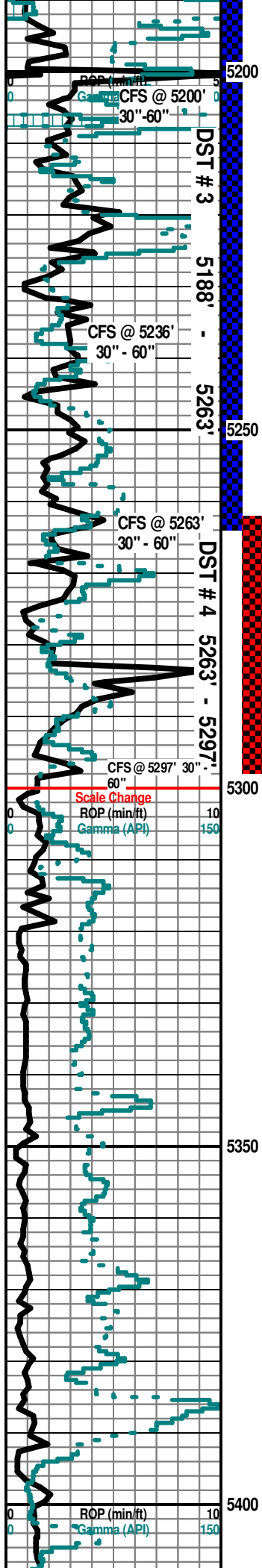
Times: 30"-60"-60"-90";

Blow: IF= Strong/ BOB /30  
 Sec. G.T.S./5". No Blow Back  
 During ISIP.  
 FF= Strong Blow  
 BOB/Immed. w/G.T.S. No  
 Blow Back During FSIP.  
 (See Gas Gauges Below).

Recovery: 5182' GIP: 5' GCM  
 (10% G & 90% M)...

Pressures:  
 IH = 2579#;  
 FH = 2374#;  
 IF = 167-127#;  
 FF = 152-151#;  
 ISIP = 1749#;

LIGHT LOST  
 CIRC. CONT.  
 LCM NOW  
 AT= 12#GAL



60" CFS @ 5200' Sh Char-Gry-Tr Blk Carb (w/SG) Fissil Abd Ls Crm-Wht- Tan Fxn Poor Ixln Por Micritic Dns Barren Chalk Cht Drk Blk (w/Wht Fos Includ)-Gry-Tan Op Shp Vit Fos (Fuss w/VSSO Includ & Lt Brn Stn - 1Pc) No Odor No Flor No Stn NS

**MORROW SHALE 5206' (- 2382)**

30" CFS @ 5236' Sh Blk Carb Fissil Abd Ls Crm-Tan MicroIn Poor Ixln Por Micritic Dns Barren No Odor No Flor No Stn NS

**MISSISSIPPIAN CHESTER 5226' (- 2402)**

60" CFS @ 5236' Sh Blk Carb-Char-Gry Fissil Abd Ls Crm-Wht- Tan Fxn Poor Ixln Por Micritic Dns Barren Chalk Cht Drk Blk (w/Wht Fos Includ)-Gry Op Shp Vit No Odor No Flor No Stn NS

30" CFS @ 5263' Ls Crm-Tan Fxn Fair-Med OOL Vug Por (w/Small- Med OOids in pl) Grad Med-Good Ixln Pin-Pt & Matted Fos Includ (Brach, Bry, Crin, Fuss, Spicule) Por (w/Med-Good SG & SO (Gas & Oil Do Not Flor)) Fair SFO (w/Broken In Wtr Under Heat) Faint Odor Drk Med-Good Brn Hvy Gillsonitic Stn No Flor M-GSG & M-GSO

60" CFS @ 5263' Ls Crm-Tan Fxn Fair-Med OOL Vug Por (w/Small- Med OOids in pl) Grad Med-Good Ixln Pin-Pt & Matted Fos Includ (Brach, Bry, Crin, Fuss, Spicule) Por (w/Med-Good SG & SO (Gas & Oil Do Not Flor)) Fair SFO (w/Broken In Wtr Under Heat & SFO in tray) Faint Odor Drk Brn Hvy Gillsonitic Stn AA No Flor M-GSG & M-GSO

30" CFS @ 5297' Ls Crm-Tan Fxn Fair OOL Vug Por AA Grad Fair-Med Ixln (Banded w/Lt Brn Stn) Pin-Pt & Matted Fos Vug Por (w/Fos Includ (Lg Crin, Gastro) V Abd (w/SG (Gas Does Not Flor)) Cht Wht-Amber Translu-Op Shp Vit Pyr Mass ? Faint Odor Drk Brn Hvy Gillsonitic Stn AA No Flor SG

60" CFS @ 5297' Ls Crm-Tan Fxn Fair OOL Vug Por AA Grad Fair-Med Ixln (Banded w/Lt Brn Stn) Pin-Pt & Matted Fos Vug Por (w/Fos Includ (Lg Crin) V Abd (w/SG (Gas Does Not Flor)) Cht Wht-Amber Translu-Op Shp Vit Pyr Mass ? Faint Odor Drk Brn Hvy Gillsonitic Stn AA No Flor SG

Sh Char- Gry- Drab Grn- Blk Carb Fissil Ls Wht-Fxn Dns Micrite Grad Fair Pin-Pt Ixln Por (w/Fos Includ AA) Pyr Mass & Ls (w/Streaks Pyr Includ) Grad Dolo Gray MicroIn Dns Micrite Sh Char-Gry-Drab Grn-Blk Carb Fissil No Odor No Flor NS

Ls Wht-Fxn Dns Micrite Grad Fair Pin-Pt Ixln Por (w/Fos Includ AA & w/Streaks Pyr Includ) Grad Dolo Gry MicroIn Poor Ixln Por Pyr Mass Abd Sh Char-Gry- Drab Grn-Blk Carb Fissil No Odor No Flor NS

Sh Char- Gry-Drab Grn- Blk Carb- Fissil Ls Wht-Fxn Dns Micrite Grad Fair Pin-Pt Ixln Por (w/Fos Includ AA & w/Streaks Pyr Includ) Grad Dolo Gry MicroIn Poor Ixln Por Pyr Mass Abd Sh Char-Gry-Drab Grn-Blk Carb Fissil No Odor No Flor NS

Dolo Gry MicroIn Poor Ixln Por Grad Ls Wht-Fxn Dns Micrite Grad Fair Pin-Pt Ixln Por (w/Fos Includ AA & w/Streaks Pyr Includ) Pyr Mass Abd Sh Char-Gry-Drab Grn-Blk Carb Fissil No Odor No Flor NS

Dolo Gry MicroIn Poor Ixln Por Grad Ls Wht-Fxn Dns Micrite Grad Fair Pin-Pt Ixln Por (w/Fos Includ AA & w/Streaks Pyr Includ) Pyr Mass Abd Sh Char-Gry-Drab Grn-Blk Carb Fissil No Odor No Flor NS

Dolo Gry MicroIn Poor Ixln Por Grad Ls Wht-Fxn Dns Micrite Grad Fair Pin-Pt Ixln Por (w/Fos Includ AA & w/Streaks Pyr Includ) Pyr Mass Abd Sh Char-Gry-Drab Grn-Blk Carb Fissil No Odor No Flor NS

Dolo Gry MicroIn Poor Ixln Por Grad Ls Wht-Fxn Dns Micrite Grad Fair Pin-Pt Ixln Por (w/Fos Includ AA & w/Streaks Pyr Includ) Pyr Mass Abd Sh Char- Gry- Drab Grn-Blk Carb Fissil No Odor No Flor NS

Dolo Gry MicroIn Dns Micrite No Vis Por Ls AA Chalk Sh Char-Blk Carb- Gry- Grn-Aqua-Maroon Soft-Fissil No Odor No Flor No Stn NS NS

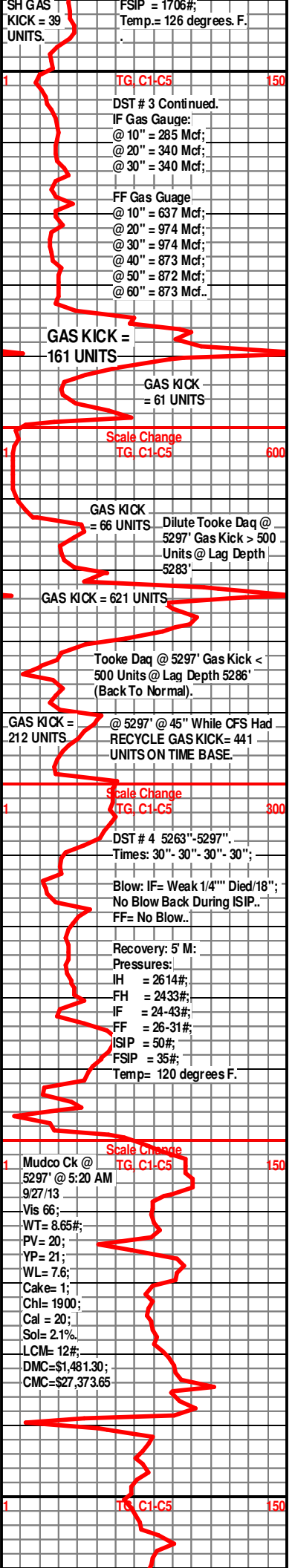
Dolo Gry MicroIn Dns Micrite No Vis Por Ls AA Chalk Sh Char-Blk Carb- Gry- Grn-Aqua-Maroon Soft-Fissil No Odor No Flor No Stn NS NS

**MISSISSIPPIAN "Ste. GEN" 5390' (- 2576)**

Ls Wht-Lt Aqua (in Aqua CaCo3 Matrix) Fxn Poor OOL Por (w/V Small OOids in pl) "Sandy OOL Ls" Friable Grad Dolo Gry MicroIn Dns Micrite Chalk Sh Char-Blk Carb-Gry-Grn-Aqua-Maroon Soft-Fissil No Odor No Flor No Stn NS NS

Ls Wht-Lt Aqua (in Aqua CaCo3 Matrix) Fxn Poor OOL Por (w/V Small OOids in pl) "Sandy OOL Ls" Friable Grad Dolo Gry MicroIn Dns Micrite Chalk Sh Char-Blk Carb-Gry-Grn-Aqua-Maroon Soft-Fissil No Odor No Flor No Stn NS NS

30" CFS @ 5436' Ls Crm-Wht-Lt Aqua (in Aqua CaCo3 Matrix) MicroIn-Fxn Poor Ixln Por Dns Micrite Grad Dolo Gry MicroIn (w/SG) Fissil Abd Ls Crm-Wht- Tan Fxn Poor Ixln Por Dns Micrite Dns Barren Chalk Cht Drk Blk (w/Wht Fos Includ)-Gry-Tan Op Shp Vit Fos (Fuss w/VSSO Includ & Lt Brn Stn - 1Pc) No Odor No Flor No Stn NS



SH GAS KICK = 39 UNITS. FSIP = 1706#; Temp.= 126 degrees. F.

DST # 3 Continued.  
IF Gas Gauge:  
@ 10" = 285 Mcf;  
@ 20" = 340 Mcf;  
@ 30" = 340 Mcf;  
FF Gas Guage:  
@ 10" = 637 Mcf;  
@ 20" = 974 Mcf;  
@ 30" = 974 Mcf;  
@ 40" = 873 Mcf;  
@ 50" = 872 Mcf;  
@ 60" = 873 Mcf..

GAS KICK = 161 UNITS  
GAS KICK = 61 UNITS  
Scale Change TG C1-C5 600

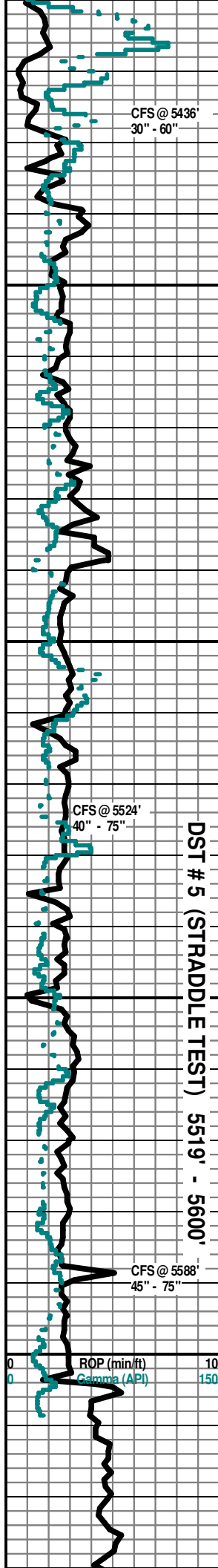
GAS KICK = 66 UNITS Dilute Tooke Daq @ 5297' Gas Kick > 500 Units @ Lag Depth 5283'  
GAS KICK = 621 UNITS  
Tooke Daq @ 5297' Gas Kick < 500 Units @ Lag Depth 5286' (Back To Normal).

GAS KICK = 212 UNITS @ 5297' @ 45" While CFS Had RECYCLE GAS KICK= 441 UNITS ON TIME BASE.  
Scale Change TG C1-C5 800

DST # 4 5263"-5297". Times: 30"- 30"- 30"- 30";  
Blow: IF= Weak 1/4" Died/18"; No Blow Back During ISIP.. FF= No Blow..  
Recovery: 5' M: Pressures: IH = 2614#; FH = 2433#; IF = 24-43#; FF = 26-31#; ISIP = 50#; FSIP = 35#; Temp= 120 degrees F.

Mudco Ck @ 5297' @ 5:20 AM 9/27/13  
Vis 66;  
WT= 8.65#;  
PV= 20;  
YP= 21;  
WL= 7.6;  
Cake= 1;  
Chl= 1900;  
Cal = 20;  
Sol= 2.1%  
LCM= 12#;  
DMC=\$1,481.30;  
CMC=\$27,373.65

TG C1-C5 150



DST # 5 (STRADDLE TEST) 5519' - 5600'

60" CFS @ 5436' 30" - 60"  
 Micrite Grad Poor-Gry-Maroon (Abd) MicroIn Chalk Sh Char-Blk Carb-Gry-Grn-Aqua-Maroon-Red Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Brn FxIn Poor-Fair OOL Por (w/Small OOids in pl) "Sandy OOL Ls" Fair-Med InterOOL Por V Friable (w/? Dead Brn Stn) Chalky Sh Char-Blk Carb-Gry-Grn Fissil No Odor No Flor NS

Ls Wht-Brn FxIn Poor-Fair OOL Por (w/Small OOids in pl) "Sandy OOL Ls" Fair-Med InterOOL Por V Friable Chalky Sh Char-Blk Carb-Gry-Grn Fissil No Odor No Flor NS

Ls Wht-Brn FxIn Poor-Fair OOL Por (w/Small OOids in pl) "Sandy OOL Ls" Poor InterOOL Por V Friable Chalky Sh Char-Aqua-Blk Carb-Gry-Grn Fissil No Odor No Flor NS

Ls Wht-Crm-Gry FxIn-MicroIn Poor InterOOL Por (w/V Small OOL in pl) "Sandy Ooid Ls" (w/Scatt Lt Brn Stn w/SSG w/Under Heat in Wtr) Gas Does Not Flor Grad Dns Micrite No Vis Por Chalky Pyr Mass Sh Char-Aqua-Blk Carb Fissil No Odor ? Lt Brn Stn No Flor VSSG

Ls Wht-Crm-Gry FxIn-MicroIn Poor InterOOL Por (w/V Small OOL in pl) "Sandy Ooid Ls" (w/Scatt Lt Brn Stn w/VSSG w/Under Heat in Wtr) Gas Does Not Flor Grad Dns Micrite No Vis Por Chalky Pyr Mass Sh Char-Aqua-Blk Carb Fissil No Odor ? Sli Lt Brn Stn No Flor VSSG

Ls Wht-Crm-Gry FxIn-MicroIn Poor InterOOL Por (w/V Small OOL in pl) "Sandy Ooid Ls" (w/Scatt Lt Brn Stn w/VSSG w/Under Heat in Wtr) Gas Does Not Flor Grad Dns Micrite No Vis Por Chalky Pyr Mass Sh Char-Aqua-Blk Carb Fissil No Odor ? Sli Lt Brn Stn No Flor VSSG

Ls Wht FxIn Poor InterOOL Por (w/V Small-Med OOL in pl) "Sandy Ooid Ls (w/Scatt Lt Brn "Dead" Stn) Chalky Pyr Mass Sh Char-Aqua-Blk Carb Fissil No Odor ? Sli Lt Brn Stn No Flor NS

Ls Wht FxIn Poor OOL Por (w/Small OOL in pl) "Sandy OOL Ls" Poor InterOOL Por (w/V Small OOL in pl) "Sandy Ooid Ls" (w/Scatt Lt Brn Stn w/VSSG w/Under Heat in Wtr) Gas Does Not Flor Grad Ls Crm-Tan-Gry FxIn Dns Micrite Fos (Brach) Qtz Ss Wht-Lt Brn Small-Med Ang Grains Good IGran Por V Friable (w/Gilsonianic "Dead Oil" Lt-Drk Brn Stn Residue) Sh Char-Aqua-Blk Carb Fissil No Odor Lt Brn-Blk Stn No Flor ? VSSG

40" CFS @ 5524' Ls Wht FxIn Poor OOL Por (w/Small OOL in pl) "Sandy OOL Ls" Poor InterOOL Por (w/V Small OOL in pl) "Sandy Ooid Ls" Grad Crm-Tan-Gry FxIn Dns Micrite Sh Char-Aqua-Blk Carb Fissil No Odor No Stn No Flor NS

75" CFS @ 5524' Ls Wht FxIn Poor OOL Por (w/Small OOL in pl) "Sandy OOL Ls" Poor InterOOL Por (w/V Small OOL in pl) "Sandy Ooid Ls" Grad Crm-Tan-Gry FxIn Dns Micrite Sh Char-Aqua-Blk Carb Fissil No Odor No Stn No Flor NS

**MISS. "ST. LOUIS" POROSITY 5540' (- 2716)**

Ls Wht-Crm-Lt Gry MicroIn-FxIn Poor IxIn Por Dns Micrite Grad Poor InterOOL Por (w/V Small OOids in pl w/ Pyr Inclus) Friable "Sandy OOL Ls" Fos (Crin) Pyr Mass Sh Char-Blk Carb-Lt Gry Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Lt Gry MicroIn-FxIn Poor IxIn Por Dns Micrite Grad Poor InterOOL Por (w/V Small OOids in pl w/ Pyr Inclus) Friable "Sandy OOL Ls" Fos (Crin) Pyr Mass Sh Char-Blk Carb-Lt Gry Fissil? Faint Odor ? Scat Stn ? Sli Flor ? Show

Ls Wht-Crm-Lt Gry MicroIn-FxIn Poor IxIn Por Dns Micrite Grad Poor InterOOL Por (w/Small-Med OOids in pl) Friable "Sandy OOL Ls" Sh Char-Blk Carb-Lt Gry Fissil Faint Odor ? Scat Stn ? Sli Flor SSG & SSO

Ls Wht Med OOL Por (w/OOL in Pl) Friable Fair-Med InterOOL Por (w/Drk Brn-Blk Stn on Ooid Edges Grad Poor Pin-Pt IxIn Por (w/SSG & SSO Under Heat in Wtr) Cht Wht Op Shp Vit Chalky Sh Blk Carb-Gry Faint Odor ? Sli Flor ? Scat Stn SSG & SSO

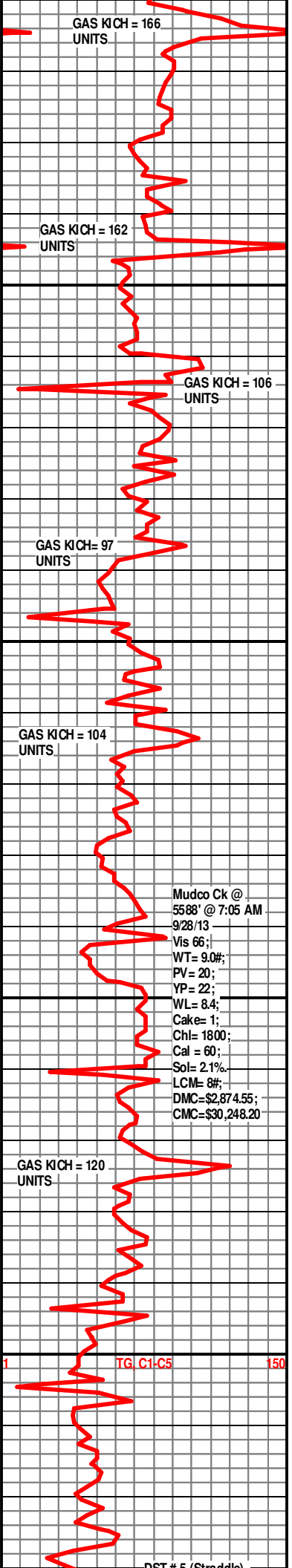
45" CFS @ 5588' Ls Wht Med OOL Por (w/OOL in Pl) Friable Fair-Med InterOOL Por (w/Drk Brn-Blk Stn on Ooid Edges Grad Poor Pin-Pt IxIn Pin-Pt Por w/SSG & SSO Under Heat in Wtr) SSG & SSO Under Heat in Wtr) Cht Wht Op Shp Vit Chalky Sh Blk Carb-Gry Faint Odor ? Sli Flor ? Scat Stn SSG & SSO

75" CFS @ 5588' Ls Wht Med OOL Por (w/OOL in Pl) Friable Fair-Med InterOOL Por (w/Drk Brn-Blk Stn on Ooid Edges Grad Poor Pin-Pt IxIn Pin-Pt Por w/SSG & SSO Under Heat in Wtr) SSG & SSO Under Heat in Wtr) Cht Wht Op Shp Vit Chalky Sh Blk Carb-Gry Faint Odor ? Sli Flor ? Scat Stn SSG & SSO

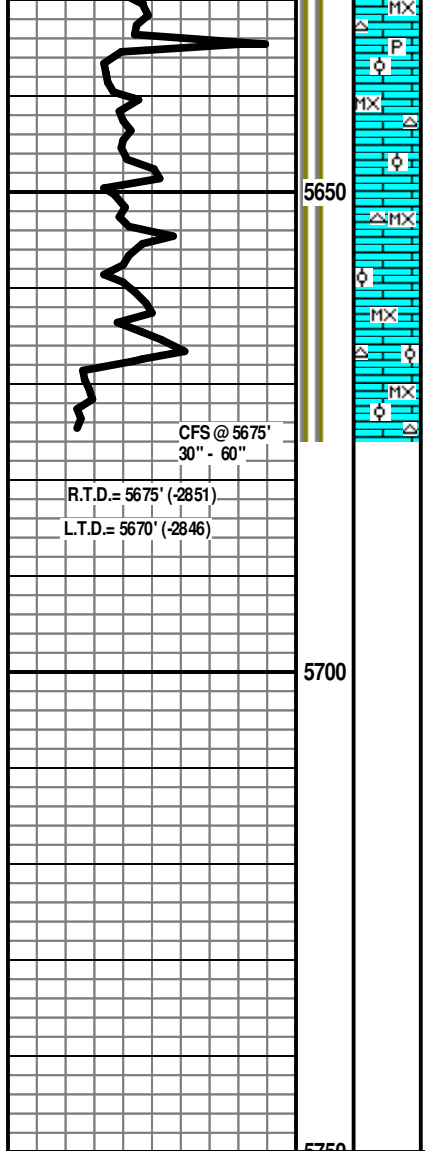
Ls Crm-Gry MicroIn Poor IxIn Por Dns Micrite Grad Poor InterOOL Por Barren Cht Wht-Lt Gry Translu-Op Shp Vit Sh Char-Blk Carb-Lt Gry Fissil No Odor No Stn No Flor NS

Ls Crm-Gry MicroIn Poor IxIn Por Dns Micrite Grad Poor InterOOL Por Barren Cht Wht-Lt Gry Translu-Op Shp Vit Sh Char-Blk Carb-Lt Gry Fissil No Odor No Stn No Flor NS

Ls Crm-Gry MicroIn Poor IxIn Por Dns Micrite Grad Poor InterOOL Por Barren Cht Wht-Lt Gry Translu-Op Shp Vit Fos (Crin) Pyr Mass Sh Char-Blk Carb-Lt Gry Fissil No Odor No Stn No Flor NS



Mudco Ck @  
 5588' @ 7:05 AM  
 9/28/13  
 Vis 66;  
 WT= 9.0#;  
 PV= 20;  
 YP= 22;  
 WL= 8.4;  
 Cake= 1;  
 Chl= 1800;  
 Cal = 60;  
 Sol= 2.1%  
 LCM= 8#;  
 DMC=\$2,874.55;  
 CMC=\$30,248.20



Ls Crm-Gry Microxn Poor lxIn Por Dns Micrite Grad Poor Inter OOL Por Barren Cht Wht-Lt Gry  
 Translu-Op Shp Vit Pyr Mass Sh Char-Blk Carb-Lt Gry Fissil No Odor No Stn No Flor NS

Ls Crm-Gry Microxn Poor lxIn Por Dns Micrite Grad Poor Inter OOL Por Barren Cht Wht-Lt Gry  
 Translu-Op Shp Vit Sh Char-Blk Carb-Lt Gry-Aqua Fissil No Odor No Stn No Flor NS

Ls Crm-Gry Microxn Poor lxIn Por Dns Micrite Grad Poor Inter OOL Por Barren Cht Wht-Lt Gry  
 Translu-Op Shp Vit Sh Char-Blk Carb-Lt Gry-Aqua Fissil No Odor No Stn No Flor NS

30" @ 5675' Ls Crm-Gry Microxn Poor lxIn Por Dns Micrite Grad Poor Inter OOL Por Barren  
 Cht Wht-Lt Gry Translu-Op Shp Vit Sh Char-Blk Carb-Lt Gry-Aqua Fissil No Odor No Stn No  
 Flor NS

60" @ 5675' Ls Crm-Gry Microxn Poor lxIn Por Dns Micrite Grad Poor Inter OOL Por Barren  
 Cht Wht-Lt Gry Translu-Op Shp Vit Sh Char-Blk Carb-Lt Gry-Aqua Fissil No Odor No Stn No  
 Flor NS

**Electric Logs Run: By Halliburton Logging: Dual Induction;  
 Compensated Density-Neutron; Sonic; Microresistivity Logs.**

**Geologist Left Location At: 1:00 PM on 9/29/2013**

DST # 3 (Straddle)  
 55519"-5600".

Times: 30" - 60" - 30" -  
 60";  
 Blow: IF= Weak 1/4"; No  
 Blow Back During ISIP.  
 FF= No Blow. No Blow  
 Back During FSIP.

Recovery: 10' M:

Pressures:  
 IH = 2946#;  
 FH = 2532#;  
 IF = 31-51#;  
 FF = 46-55#;  
 ISIP = 1300#;  
 FSIP = 918#;  
 Temp= 129 degrees F.

CFS @ 5675'  
 30" - 60"

R.T.D.= 5675' (-2851)

L.T.D.= 5670' (-2846)

5650

5700

5750