



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp.**

8080 E. Central STE 300
Wichita, KS 67206

ATTN: Evan Stone

MTPRC 'A' #1-27

27-30s-19w Kiowa,KS

Start Date: 2013.11.17 @ 09:53:00

End Date: 2013.11.17 @ 18:39:30

Job Ticket #: 55555 DST #: 1

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

Printed: 2013.11.19 @ 15:11:17



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McCoy Petroleum Corp.

27-30s-19w Kiowa,KS

8080 E. Central STE 300
Wichita, KS 67206

MTPRC 'A' #1-27

Job Ticket: 55555

DST#: 1

ATTN: Evan Stone

Test Start: 2013.11.17 @ 09:53:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:57:50

Time Test Ended: 18:39:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 62

Interval: 5050.00 ft (KB) To 5103.00 ft (KB) (TVD)

Reference Elevations: 2224.00 ft (KB)

Total Depth: 5103.00 ft (KB) (TVD)

2213.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6741

Inside

Press@RunDepth: 149.00 psig @ 5051.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.17

End Date:

2013.11.17

Last Calib.: 2013.11.17

Start Time: 09:53:02

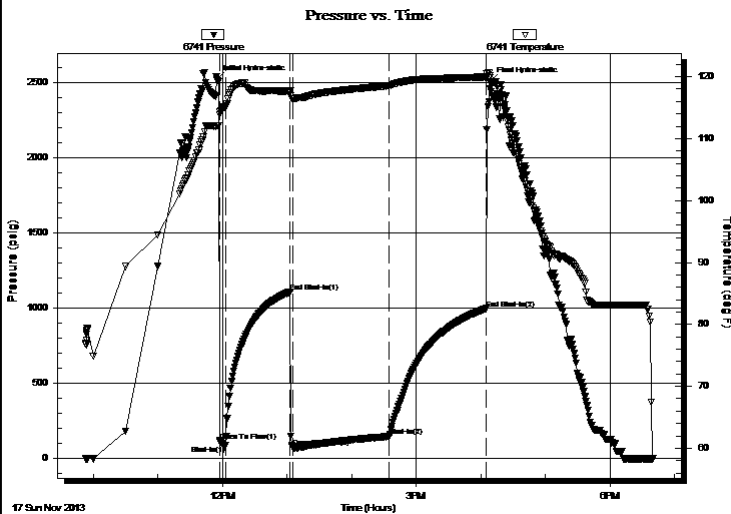
End Time:

18:39:30

Time On Btm: 2013.11.17 @ 11:54:30

Time Off Btm: 2013.11.17 @ 16:08:00

TEST COMMENT: B.O.B. @ 20 seconds
No return.
B.O.B. @ 10 seconds
No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2523.06	112.06	Initial Hydro-static
4	112.01	114.29	Open To Flow (1)
9	86.14	115.13	Shut-In(1)
69	1108.96	117.68	End Shut-In(1)
71	77.04	116.48	Open To Flow (2)
161	149.00	118.54	Shut-In(2)
251	998.35	119.97	End Shut-In(2)
254	2506.93	120.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .225 @ 50 Degrees F = 47000 PPM	0.00
62.00	GMWCOE 20g 5m 10w 20o 40 emulsion	0.30
188.00	GMWCO 25g 5m 5w 65o	0.96
63.00	GWOCME 45g 5w 10o 30m 10 emulsion	0.88
63.00	OSM 100m	0.88
0.00	4432' GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	2.00	6.14
Last Gas Rate	0.13	5.00	7.26
Max. Gas Rate	0.13	6.00	7.63



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McCoy Petroleum Corp.
 8080 E. Central STE 300
 Wichita, KS 67206
 ATTN: Evan Stone

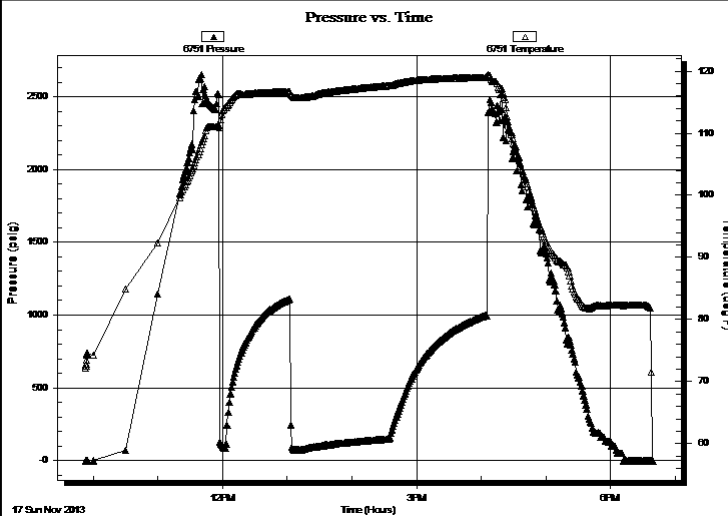
27-30s-19w Kiowa,KS
MTPRC 'A' #1-27
 Job Ticket: 55555 **DST#: 1**
 Test Start: 2013.11.17 @ 09:53:00

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:57:50
 Time Test Ended: 18:39:30
 Interval: **5050.00 ft (KB) To 5103.00 ft (KB) (TVD)**
 Total Depth: 5103.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chuck Smith
 Unit No: 62
 Reference Elevations: 2224.00 ft (KB)
 2213.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 6751 Outside
 Press@RunDepth: psig @ 5051.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.17 End Date: 2013.11.17 Last Calib.: 2013.11.17
 Start Time: 09:52:45 End Time: 18:39:23 Time On Btm:
 Time Off Btm:

TEST COMMENT: B.O.B. @ 20 seconds
 No return.
 B.O.B. @ 10 seconds
 No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .225 @ 50 Degrees F = 47000 PPM	0.00
62.00	GMWCOE 20g 5m 10w 20o 40 emulsion	0.30
188.00	GMWCO 25g 5m 5w 65o	0.96
63.00	GWOCME 45g 5w 10o 30m 10 emulsion	0.88
63.00	OSM 100m	0.88
0.00	4432' GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	2.00	6.14
Last Gas Rate	0.13	5.00	7.26
Max. Gas Rate	0.13	6.00	7.63



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corp.

27-30s-19w Kiowa,KS

8080 E. Central STE 300
Wichita, KS 67206

MTPRC 'A' #1-27

Job Ticket: 55555

DST#: 1

ATTN: Evan Stone

Test Start: 2013.11.17 @ 09:53:00

Tool Information

Drill Pipe:	Length: 4808.00 ft	Diameter: 3.80 inches	Volume: 67.44 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 68.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.50 ft			String Weight: Initial 85000.00 lb
Depth to Top Packer:	5050.00 ft			Final 85000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	80.50 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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Change Over Sub	1.00			5023.50	
Shut In Tool	5.00			5028.50	
Hydraulic tool	5.00			5033.50	
Jars	5.00			5038.50	
Safety Joint	2.50			5041.00	
Packer	5.00			5046.00	27.50 Bottom Of Top Packer
Packer	4.00			5050.00	
Stubb	1.00			5051.00	
Recorder	0.00	6741	Inside	5051.00	
Recorder	0.00	6751	Outside	5051.00	
Perforations	16.00			5067.00	
Change Over Sub	1.00			5068.00	
Drill Pipe	31.00			5099.00	
Change Over Sub	1.00			5100.00	
Bullnose	3.00			5103.00	53.00 Bottom Packers & Anchor

Total Tool Length: 80.50



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corp.

27-30s-19w Kiowa,KS

8080 E. Central STE 300
Wichita, KS 67206

MTPRC 'A' #1-27

Job Ticket: 55555

DST#: 1

ATTN: Evan Stone

Test Start: 2013.11.17 @ 09:53:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

47000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	RW: .225 @ 50 Degrees F = 47000 PPM	0.000
62.00	GMWCOE 20g 5m 10w 20o 40 emulsion	0.305
188.00	GMWCO 25g 5m 5w 65o	0.961
63.00	GWOCME 45g 5w 10o 30m 10 emulsion	0.884
63.00	OSM 100m	0.884
0.00	4432' GIP	0.000

Total Length: 376.00 ft Total Volume: 3.034 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 33 @ 50 Degrees F = 34.



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DRILL STEM TEST REPORT

GAS RATES

McCoy Petroleum Corp.

27-30s-19w Kiowa,KS

8080 E. Central STE 300
Wichita, KS 67206

MTPRC 'A' #1-27

Job Ticket: 55555

DST#: 1

ATTN: Evan Stone

Test Start: 2013.11.17 @ 09:53:00

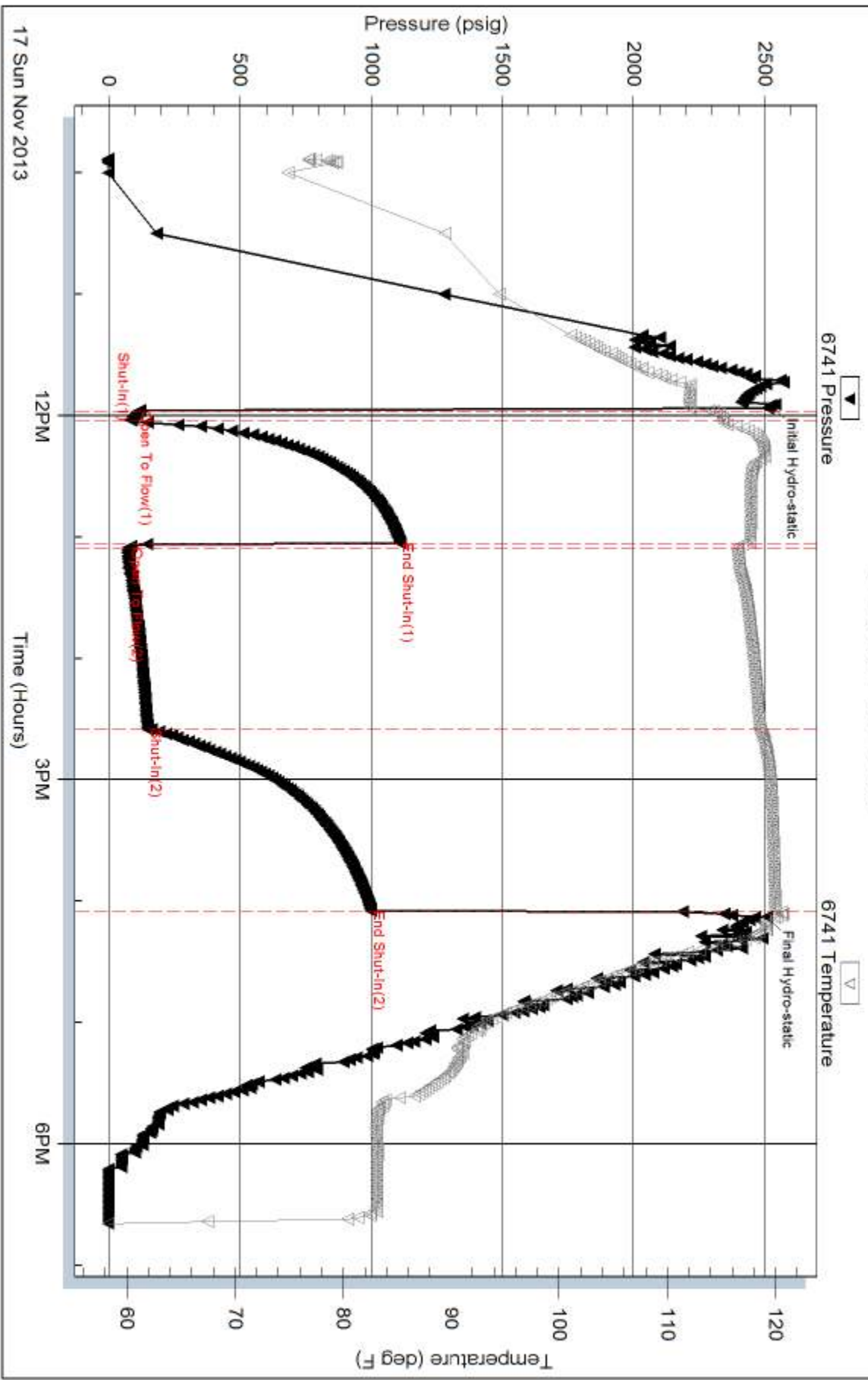
Gas Rates Information

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

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.13	2.00	6.14
2	15	0.13	3.00	6.51
2	20	0.13	4.00	6.89
2	25	0.13	4.00	6.89
2	30	0.13	5.00	7.26
2	40	0.13	6.00	7.63
2	50	0.13	6.00	7.63
2	60	0.13	6.00	7.63
2	70	0.13	6.00	7.63
2	80	0.13	6.00	7.63
2	90	0.13	5.00	7.26

Pressure vs. Time

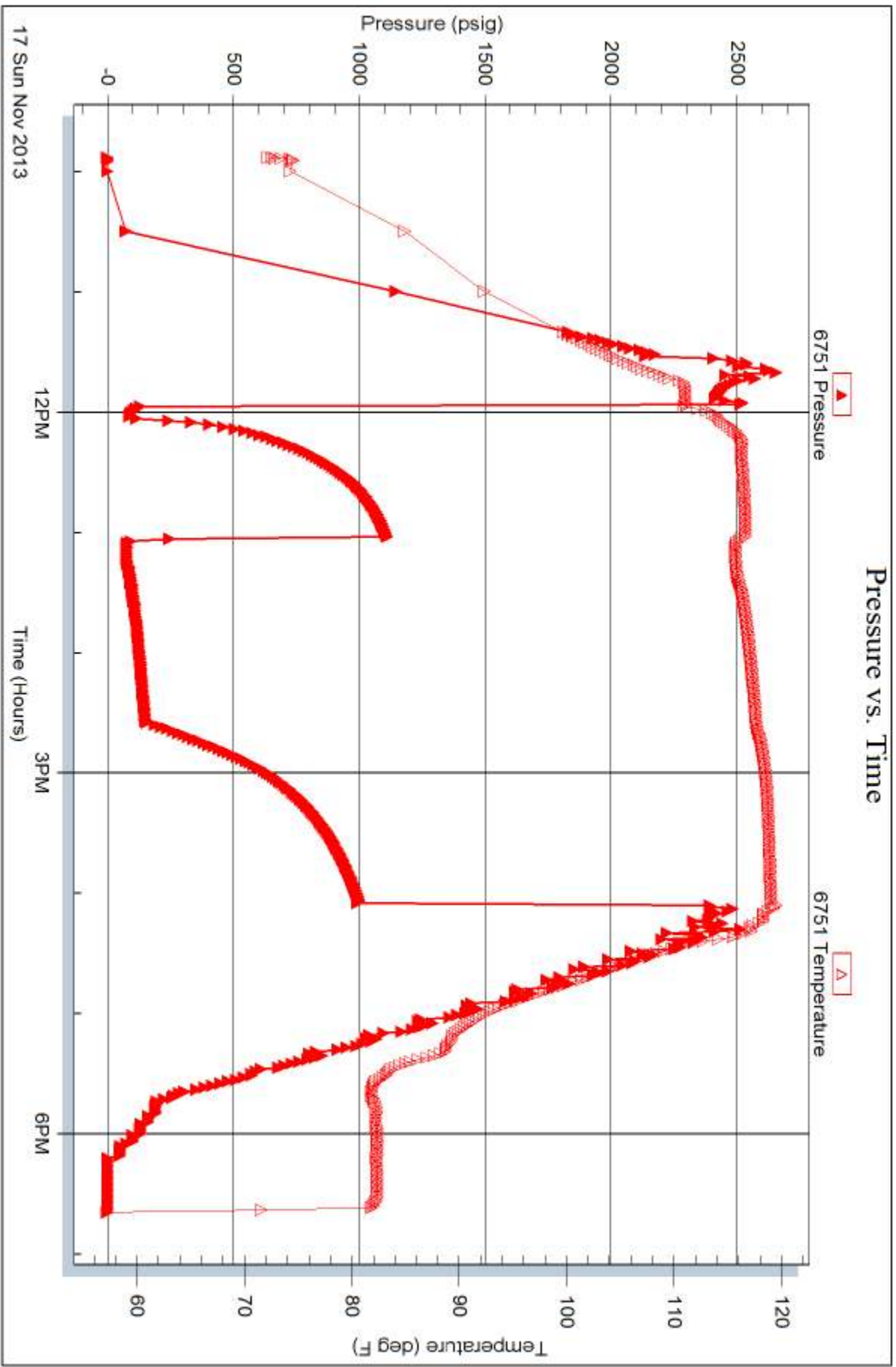


Serial #: 6751

Outside McCoy Petroleum Corp.

MTRC 'A' #1-27

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **55555**

Well Name & No. MTPRCA #1-27 Test No. 1 Date 11-17-13
 Company McCoy Petroleum Corp. Elevation 2224 KB 2213 GL
 Address 8080 E. Central STE 300 Wichita, Ks 67206
 Co. Rep / Geo. Evan Stone Rig Sterling 2
 Location: Sec. 27 Twp. 30s Rge. 19w Co. Kiowa State Ks

Interval Tested 5050-5103 Zone Tested Mississippian
 Anchor Length 53 Drill Pipe Run 4808 Mud Wt. 9.3
 Top Packer Depth 5046 Drill Collars Run 246 Vis 50
 Bottom Packer Depth 5050 Wt. Pipe Run 0 WL 9.2
 Total Depth 5103 Chlorides 6000 ppm System LCM 3"
 Blow Description B.O.B. @ 20 seconds
No return.
B.O.B. @ 10 seconds
No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>63</u>	<u>OSM</u>			<u>100</u>	
<u>63</u>	<u>GWOCME</u>	<u>10% emulsion</u>	<u>45</u>	<u>10</u>	<u>5</u>
<u>188</u>	<u>GMWEO</u>	<u>25</u>	<u>65</u>	<u>5</u>	<u>5</u>
<u>62</u>	<u>GMWCOE</u>	<u>45% emulsion</u>	<u>20</u>	<u>20</u>	<u>10</u>
	<u>4432' G-IP</u>				

Rec Total 376 BHT 120 Gravity 34 API RW 225 @ 50 °F Chlorides 47000 ppm

(A) Initial Hydrostatic 2523 Test 1350 T-On Location 9:35
 (B) First Initial Flow 112 Jars 250 T-Started 9:53
 (C) First Final Flow 86 Safety Joint 75 T-Open 11:58
 (D) Initial Shut-In 1109 Circ Sub N/C T-Pulled 16:05
 (E) Second Initial Flow 77 Hourly Standby _____ T-Out 18:40
 (F) Second Final Flow 149 Mileage 110rt x3 341 Comments Picked up tool 11/18/13
 (G) Final Shut-In 998 Sampler _____ 14:00
 (H) Final Hydrostatic 2507 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer 320
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 2336
 Accessibility _____ MP/DST Disc't _____
 Sub Total 2016

Approved By [Signature] Our Representative Chuck Smith

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.

P.O. Box 1733 • Hays, Kansas 67601

Gas Volume Report

McCoy Petroleum Corp
Operator

MTPRC 'A' #1-27
Well Name and No.

1
DST No.

Min.	Ins. of Water PSIG	Merla Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	CF/D
<i>Final Flow Period Only</i>							
10	2	1/8"	5.8				
15	3	1/8"	6.1				
20	4	1/8"	6.5				
25	4	1/8"	6.5				
30	5	1/8"	6.8				
40	6	1/8"	6.8 7.2				
50	6	1/8"	6.8 7.2				
60	6	1/8"	7.2				
70	6	1/8"	7.2				
80	6	1/8"	7.2				
90	5	1/8"	6.8				

Remarks:

G.T.S. @ 5 min. on Final Flow only MERLA