



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp**

8080 E Central STE 300
Wichita KS 67206

ATTN: Robert Hendrix

McKinney Trust A1-23

23-30s-19w Kiowa,KS

Start Date: 2012.08.31 @ 14:50:00

End Date: 2012.09.01 @ 00:12:00

Job Ticket #: 49651 DST #: 1

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

Printed: 2012.09.07 @ 15:28:24

McCoy Petroleum Corp

23-30s-19w Kiowa,KS

McKinney Trust A1-23

DST # 1

MISS

2012.08.31



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McCoy Petroleum Corp
 8080 E Central STE 300
 Wichita KS 67206
 ATTN: Robert Hendrix

23-30s-19w Kiowa,KS

McKinney Trust A1-23

Job Ticket: 49651 **DST#: 1**
 Test Start: 2012.08.31 @ 14:50:00

GENERAL INFORMATION:

Formation: **MISS**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:14:00
 Time Test Ended: 00:12:00
 Interval: **5056.00 ft (KB) To 5110.00 ft (KB) (TVD)**
 Total Depth: 5110.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Randy Williams
 Unit No: 47
 Reference Elevations: 2241.00 ft (KB)
 2232.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6773

Outside

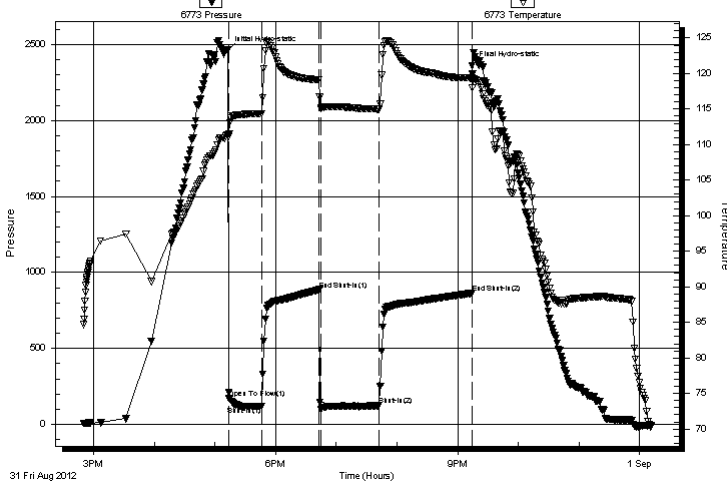
Press @ Run Depth: 124.22 psig @ 5057.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.08.31 End Date: 2012.09.01 Last Calib.: 2012.09.01
 Start Time: 14:50:05 End Time: 00:12:00 Time On Btm: 2012.08.31 @ 17:12:45
 Time Off Btm: 2012.08.31 @ 21:14:15

TEST COMMENT: IF, SBB, BOB 30 sec, GTS 11 min
 ISI, SBB
 FF SBB, BOB 30 sec, GTS 1 min
 FSI, SBB

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2461.56	111.34	Initial Hydro-static
2	174.73	111.53	Open To Flow (1)
34	119.84	114.37	Shut-In(1)
91	887.19	119.14	End Shut-In(1)
92	101.40	115.16	Open To Flow (2)
150	124.22	114.99	Shut-In(2)
242	862.84	119.37	End Shut-In(2)
242	2362.43	119.90	Final Hydro-static

Pressure vs. Time



Recovery

Length (ft)	Description	Volume (bbl)
20.00	MUD, 100%	0.10
126.00	GOCM, 15% G, 5% O, 80% M	0.62
315.00	GOCM, 30% G, 10% O, 60% M	2.72

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	5.00	130.87
Last Gas Rate	0.50	6.00	137.61
Max. Gas Rate	0.50	7.00	144.36



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corp

23-30s-19w Kiowa,KS

8080 E Central STE 300
Wichita KS 67206

McKinney Trust A1-23

Job Ticket: 49651

DST#: 1

ATTN: Robert Hendrix

Test Start: 2012.08.31 @ 14:50:00

Tool Information

Drill Pipe:	Length: 4714.00 ft	Diameter: 3.80 inches	Volume: 66.13 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	22000.00 lb
Drill Collar:	Length: 332.00 ft	Diameter: 2.25 inches	Volume: 1.63 bbl	Weight to Pull Loose:	110000.0 lb
			<u>Total Volume: 67.76 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	90000.00 lb
Depth to Top Packer:	5056.00 ft			Final	90000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	54.00 ft				
Tool Length:	77.00 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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Change Over Sub	1.00			5034.00	
Shut In Tool	5.00			5039.00	
Hydraulic tool	5.00			5044.00	
Safety Joint	3.00			5047.00	
Packer	5.00			5052.00	23.00 Bottom Of Top Packer
Packer	4.00			5056.00	
Stubb	1.00			5057.00	
Recorder	0.00	6773	Outside	5057.00	
Recorder	0.00	6755	Inside	5057.00	
Drill Pipe	32.00			5089.00	
Perforations	18.00			5107.00	
Bullnose	3.00			5110.00	54.00 Bottom Packers & Anchor

Total Tool Length: 77.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corp

23-30s-19w Kiowa,KS

8080 E Central STE 300
Wichita KS 67206

McKinney Trust A1-23

Job Ticket: 49651

DST#: 1

ATTN: Robert Hendrix

Test Start: 2012.08.31 @ 14:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.55 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	MUD, 100%	0.098
126.00	GOCM, 15% G, 5% O, 80% M	0.620
315.00	GOCM, 30% G, 10% O, 60% M	2.724

Total Length: 461.00 ft Total Volume: 3.442 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

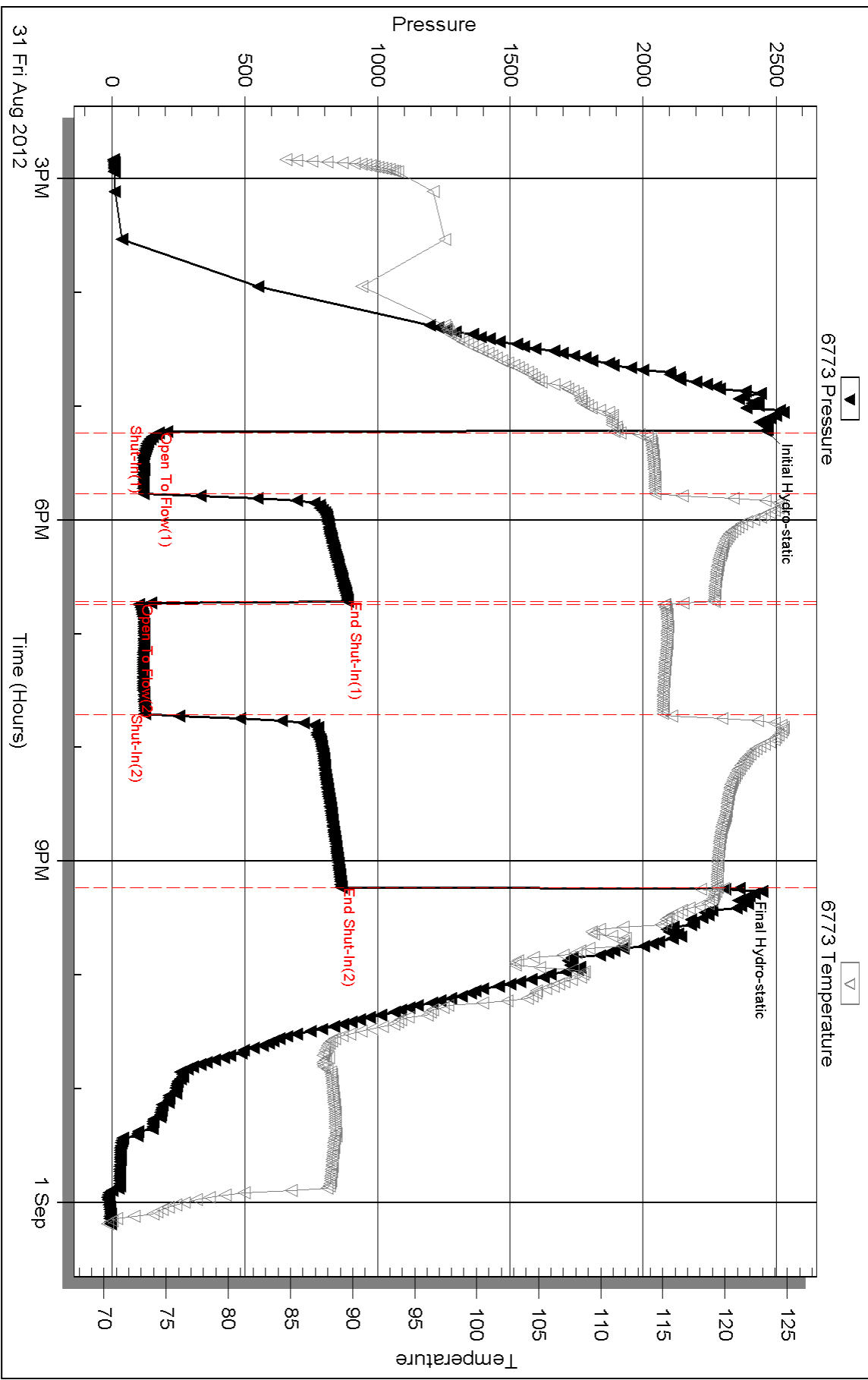
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



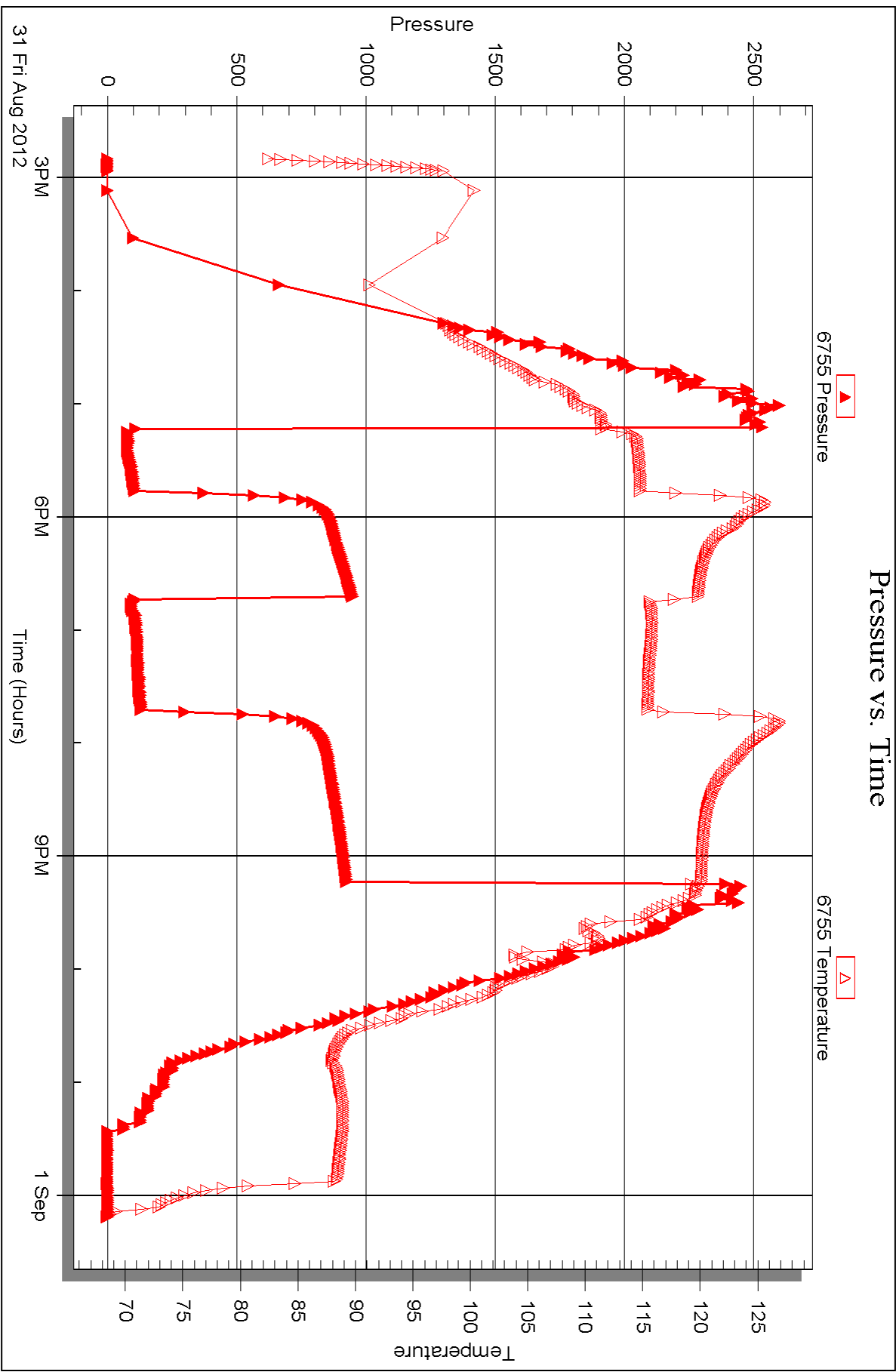
Serial #: 6755

Inside

McCoy Petroleum Corp

McKinney Trust A-1-23

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp**

8080 E Central STE 300
Wichita KS 67206

ATTN: Robert Hendrix

McKinney Trust A1-23

23-30s-19w Kiowa,KS

Start Date: 2012.09.01 @ 08:45:44

End Date: 2012.09.01 @ 18:19:59

Job Ticket #: 49652 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.09.07 @ 15:27:18



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

McCoy Petroleum Corp
8080 E Central STE 300
Wichita KS 67206
ATTN: Robert Hendrix

23-30s-19w Kiowa,KS

McKinney Trust A1-23

Job Ticket: 49652 **DST#: 2**

Test Start: 2012.09.01 @ 08:45:44

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:20:59
 Time Test Ended: 18:19:59
 Interval: **5106.00 ft (KB) To 5126.00 ft (KB) (TVD)**
 Total Depth: 5126.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ryan Renolds
 Unit No: 47
 Reference Elevations: 2241.00 ft (KB)
 2232.00 ft (CF)
 KB to GR/CF: 9.00 ft

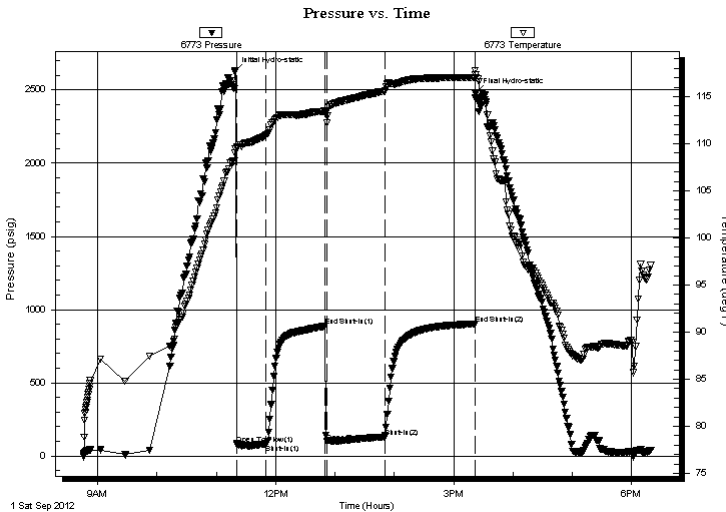
Serial #: 6773

Outside

Press @ RunDepth: 129.95 psig @ 5107.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.01 End Date: 2012.09.01 Last Calib.: 2012.09.01
 Start Time: 08:45:49 End Time: 18:19:59 Time On Btm: 2012.09.01 @ 11:18:44
 Time Off Btm: 2012.09.01 @ 15:22:14

TEST COMMENT: IF: Strong blow BOB 8 min. No GTS
 IS: Weak surf. BB 10 - 15 min. into shut-in
 FF: Strong blow . BOB 2 min. No GTS
 FS: Fair 3-5" BB throughout shut-in

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2628.26	109.05	Initial Hydro-static
3	81.91	109.52	Open To Flow (1)
32	82.84	110.91	Shut-In(1)
92	887.43	113.47	End Shut-In(1)
93	96.29	112.18	Open To Flow (2)
152	129.95	115.56	Shut-In(2)
243	903.22	117.00	End Shut-In(2)
244	2480.08	117.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
21.00	GOCM 10%gas, 15%oil, 75%mud	0.10
60.00	OGCM 15%oil, 40%gas, 45%mud	0.30
180.00	CGO 5%gas, 95%oil	0.89

* 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 Corp

23-30s-19w Kiowa,KS

8080 E Central STE 300
Wichita KS 67206

McKinney Trust A1-23

Job Ticket: 49652

DST#: 2

ATTN: Robert Hendrix

Test Start: 2012.09.01 @ 08:45:44

Tool Information

Drill Pipe:	Length: 4779.00 ft	Diameter: 3.80 inches	Volume: 67.04 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 332.00 ft	Diameter: 2.25 inches	Volume: 1.63 bbl	Weight to Pull Loose:	100000.0 lb
			<u>Total Volume: 68.67 bbl</u>	Tool Chased	2.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	86000.00 lb
Depth to Top Packer:	5106.00 ft			Final	89500.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	43.00 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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Change Over Sub	1.00			5084.00	
Shut In Tool	5.00			5089.00	
Hydraulic tool	5.00			5094.00	
Safety Joint	3.00			5097.00	
Packer	5.00			5102.00	23.00 Bottom Of Top Packer
Packer	4.00			5106.00	
Stubb	1.00			5107.00	
Recorder	0.00	6773	Outside	5107.00	
Recorder	0.00	6755	Inside	5107.00	
Perforations	16.00			5123.00	
Bullnose	3.00			5126.00	20.00 Bottom Packers & Anchor

Total Tool Length: 43.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corp

23-30s-19w Kiowa,KS

8080 E Central STE 300
Wichita KS 67206

McKinney Trust A1-23

Job Ticket: 49652

DST#: 2

ATTN: Robert Hendrix

Test Start: 2012.09.01 @ 08:45:44

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

6000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.57 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
21.00	GOCM 10%gas, 15%oil, 75%mud	0.103
60.00	OGCM 15%oil, 40%gas, 45%mud	0.295
180.00	CGO 5%gas, 95%oil	0.885

Total Length: 261.00 ft

Total Volume: 1.283 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

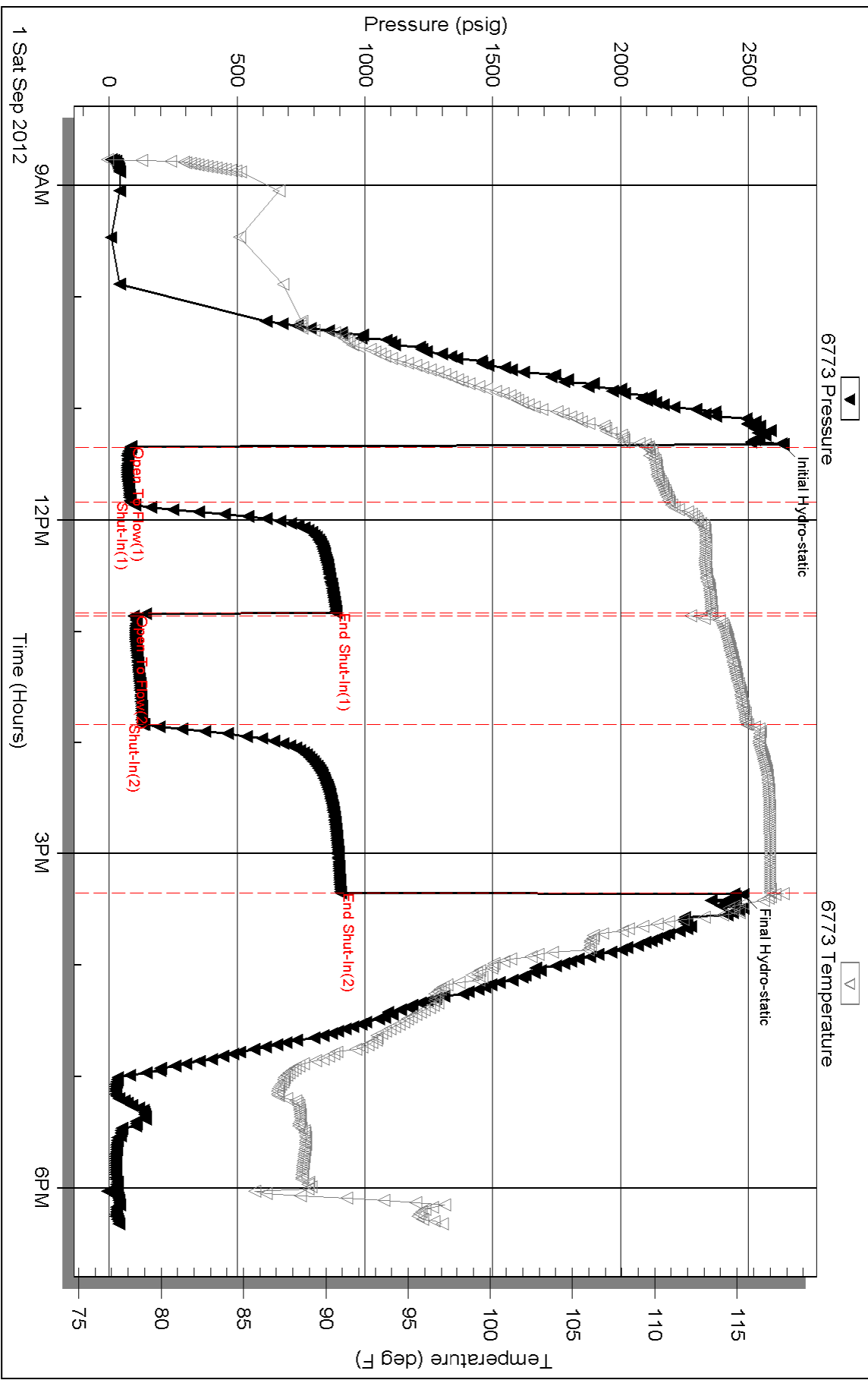
Serial #: 6773

Outside McCoy Petroleum Corp

McKinney Trust A1-23

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 49652

Printed: 2012.09.07 @ 15:27:22

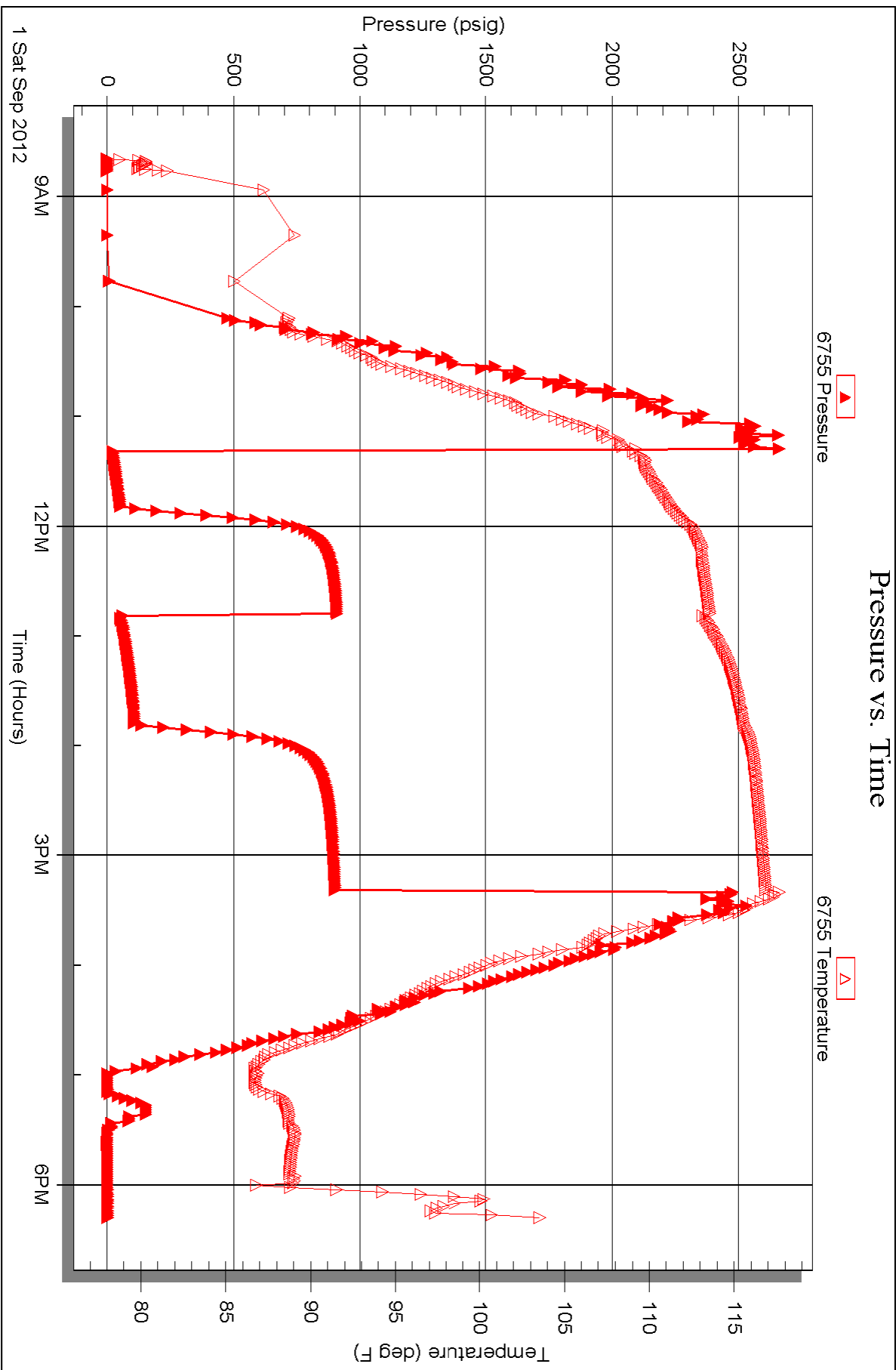
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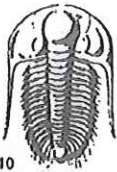
Inside

McCoy Petroleum Corp

McKinney Trust A1-23

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49651

4/10

Well Name & No. MCKINNEY TRUST "A" #1-23
~~McCoy Petroleum Corp~~ Test No. #1 Date 8-31-12
 Company McCoy Petroleum Corp Elevation 2241 KB 2232 GL
 Address 8080 E CENTRAL STE 300 WICHITA KS 67206
 Co. Rep / Geo. ROBERT HENDRIX Rig STERLING #4
 Location: Sec. 23 Twp. 30S Rge. 19W Co. KIOWA State KS

Interval Tested 5056 - 5110 Zone Tested MISS
 Anchor Length 54 Drill Pipe Run 4714 Mud Wt. 9.3
 Top Packer Depth 5051 Drill Collars Run 332 Vis 49
 Bottom Packer Depth 5056 Wt. Pipe Run NA WL 11.6
 Total Depth 5110 Chlorides 6,000 ppm System LCM 2#

Blow Description IF, SBB, BOTTOM BUCKET 30SEC, GTS 11 MIN'S

ISL, SBB
FF, SBB, BOTTOM BUCKET 30SEC, GTS 1 MIN
FSI, SBB

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>MUD</u>			<u>100</u>	
<u>126</u>	<u>G, O, CM</u>	<u>15</u>	<u>5</u>	<u>80</u>	
<u>315</u>	<u>G, O, LM</u>	<u>30</u>	<u>10</u>	<u>60</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 461 BHT 124 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2,462 Test 1350 T-On Location 13:50
 (B) First Initial Flow 175 Jars T-Started 14:50
 (C) First Final Flow 120 Safety Joint 75 T-Open 17:13
 (D) Initial Shut-In 887 Circ Sub T-Pulled 21:13
 (E) Second Initial Flow 101 Hourly Standby T-Out 24:10
 (F) Second Final Flow 124 Mileage 106 RTP 164.30 Comments _____
 (G) Final Shut-In 863 Sampler _____
 (H) Final Hydrostatic 2,362 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Ruined Packer 320
 Initial Shut-In 60 Extra Packer _____ Extra Copies _____
 Final Flow 60 Extra Recorder _____ Sub Total 320
 Final Shut-In 90 Day Standby _____ Total 1909.30
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1589.30

Approved By _____ Our Representative Donald E. Williams
 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

Test Ticket

NO. 49652

4/10

Well Name & No. McKinney Trust A 1-23 Test No. 2 Date 9-1-12
 Company McCoy ~~PCO~~ PCT corp Elevation 2241 KB 2232 GL
 Address 8080 E Central STE 300 Wichita KS 67206
 Co. Rep / Geo. Scott Hampel / Robert Hendrix Rig Sterling #4
 Location: Sec. 23 Twp. 30 S Rge. 19 W Co. Kiowa State KS

Interval Tested 5106 - 5126 Zone Tested MISS
 Anchor Length 20 Drill Pipe Run 4779 Mud Wt. 9.3
 Top Packer Depth 5101 Drill Collars Run 331 Vis 49
 Bottom Packer Depth 5106 Wt. Pipe Run 0 WL 11.6
 Total Depth 5126 Chlorides 6.000 ppm System LCM 2#

Blow Description IF: Strong blow. B.o.B 8 min. No GTS
ISI: Weak surf. BB 10-15 min. into shut-in
FF: Strong blow. B.o.B 2 min. No GTS
FSI: ~~Weak surf. BB 10-15 min. into shut-in~~ Fair 3-5" BB throughout

Rec	Feet of	%gas	%oil	%water	%mud
180	CGO	5	195		
60	OGCM	40	15	45	
31	GOCM	10	15	75	
2679	GIP	100			

Rec Total 261 BHT _____ Gravity 36 API RW N/C @ N/C °F Chlorides 6000 ppm
 (A) Initial Hydrostatic 2628 Test 1350 T-On Location 8:15
 (B) First Initial Flow 82 Jars T-Started 0845
 (C) First Final Flow 83 Safety Joint 75 T-Open 1121
 (D) Initial Shut-In 887 Circ Sub T-Pulled 1522
 (E) Second Initial Flow 96 Hourly Standby T-Out 1820
 (F) Second Final Flow 130 Mileage 40 Miles 164.30
 (G) Final Shut-In 903 Sampler _____
 (H) Final Hydrostatic 2480 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 60 Ruined Packer _____
 Final Flow 60 Extra Copies _____
 Final Shut-In 90 Sub Total 0
 Total 1589.30
 MP/DST Disc't _____
 Sub Total 1589.30

Approved By _____ Our Representative Ryan Reynolds
 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.