



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp**

8080 E Central Ste. 300
Wichita, KS 67206-2366

ATTN: Dave Williams

Hammer A #1-17

17-30s-31w Haskell,KS

Start Date: 2014.01.21 @ 14:05:57

End Date: 2014.01.22 @ 00:20:57

Job Ticket #: 56617 DST #: 1

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

Printed: 2014.02.05 @ 09:51:57



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McCoy Petroleum Corp
 8080 E Central Ste. 300
 Wichita, KS 67206-2366
 ATTN: Dave Williams

17-30s-31w Haskell, KS
Hammer A #1-17
 Job Ticket: 56617 **DST#: 1**
 Test Start: 2014.01.21 @ 14:05:57

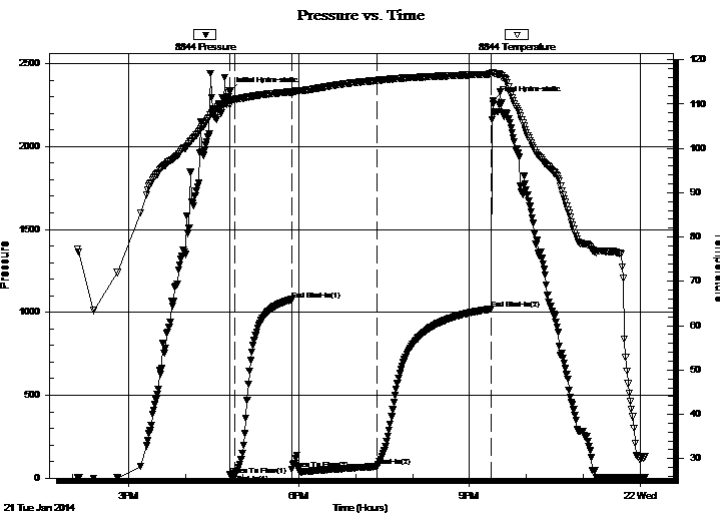
GENERAL INFORMATION:

Formation: **Swope**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:46:42
 Time Test Ended: 00:20:57
 Interval: **4689.00 ft (KB) To 4720.00 ft (KB) (TVD)**
 Total Depth: 4720.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 2854.00 ft (KB)
 2843.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8844 Outside

Press@RunDepth: 70.16 psig @ 4690.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.01.21 End Date: 2014.01.22 Last Calib.: 2014.01.22
 Start Time: 14:05:57 End Time: 00:05:57 Time On Btm: 2014.01.21 @ 16:46:27
 Time Off Btm: 2014.01.21 @ 21:24:42

TEST COMMENT: 3/4" blow
 No return
 9 1/2" blow
 No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2328.67	111.07	Initial Hydro-static
1	19.17	109.75	Open To Flow (1)
6	25.57	111.09	Shut-In(1)
66	1076.27	112.74	End Shut-In(1)
66	52.78	112.26	Open To Flow (2)
156	70.16	115.33	Shut-In(2)
277	1020.54	116.77	End Shut-In(2)
279	2274.32	117.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	s w c m 15%w 85%m	0.30
60.00	m c w 25%m 75%w	0.30
0.00	60' gas in pipe	0.00

Gas Rates

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



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McCoy Petroleum Corp
 8080 E Central Ste. 300
 Wichita, KS 67206-2366
 ATTN: Dave Williams

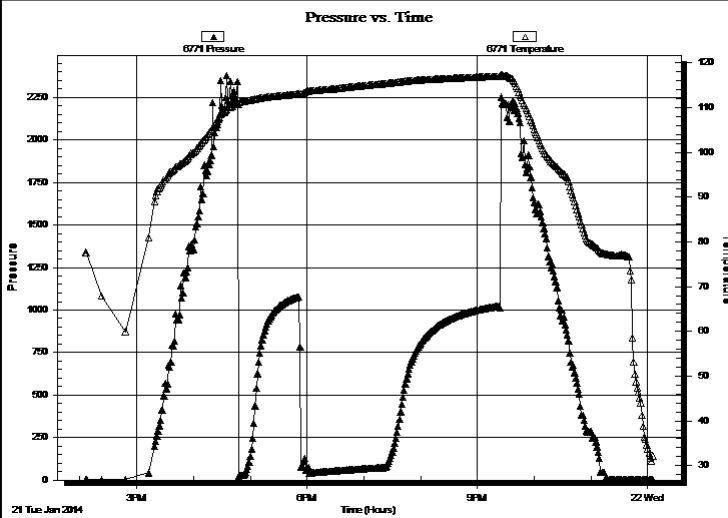
17-30s-31w Haskell, KS
Hammer A #1-17
 Job Ticket: 56617 **DST#: 1**
 Test Start: 2014.01.21 @ 14:05:57

GENERAL INFORMATION:

Formation: **Swope**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:46:42
 Time Test Ended: 00:20:57
Interval: 4689.00 ft (KB) To 4720.00 ft (KB) (TVD)
 Total Depth: 4720.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 2854.00 ft (KB)
 2843.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 6771 Inside
 Press@RunDepth: psig @ 4690.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.01.21 End Date: 2014.01.22 Last Calib.: 2014.01.22
 Start Time: 14:06:04 End Time: 00:05:49 Time On Btm:
 Time Off Btm:

TEST COMMENT: 3/4" blow
 No return
 9 1/2" blow
 No return



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

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	s w c m 15%w 85% m	0.30
60.00	m c w 25% m 75% w	0.30
0.00	60' gas in pipe	0.00

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corp

17-30s-31w Haskell, KS

8080 E Central Ste. 300
Wichita, KS 67206-2366

Hammer A #1-17

Job Ticket: 56617

DST#: 1

ATTN: Dave Williams

Test Start: 2014.01.21 @ 14:05:57

Tool Information

Drill Pipe:	Length: 4459.00 ft	Diameter: 3.80 inches	Volume: 62.55 bbl	Tool Weight: 1500.00 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: 217.00 ft	Diameter: 2.25 inches	Volume: 1.07 bbl	Weight to Pull Loose: 98000.00 lb
			<u>Total Volume: 63.62 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4689.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	59.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4662.00	
Shut In Tool	5.00			4667.00	
Hydraulic tool	5.00			4672.00	
Jars	5.00			4677.00	
Safety Joint	3.00			4680.00	
Packer	5.00			4685.00	28.00 Bottom Of Top Packer
Packer	4.00			4689.00	
Stubb	1.00			4690.00	
Recorder	0.00	6771	Inside	4690.00	
Recorder	0.00	8844	Outside	4690.00	
Perforations	25.00			4715.00	
Bullnose	5.00			4720.00	31.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corp

17-30s-31w Haskell,KS

8080 E Central Ste. 300
Wichita, KS 67206-2366

Hammer A #1-17

Job Ticket: 56617

DST#: 1

ATTN: Dave Williams

Test Start: 2014.01.21 @ 14:05:57

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

29500 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.91 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	s w c m 15%w 85%m	0.295
60.00	m c w 25%m 75%w	0.295
0.00	60' gas in pipe	0.000

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

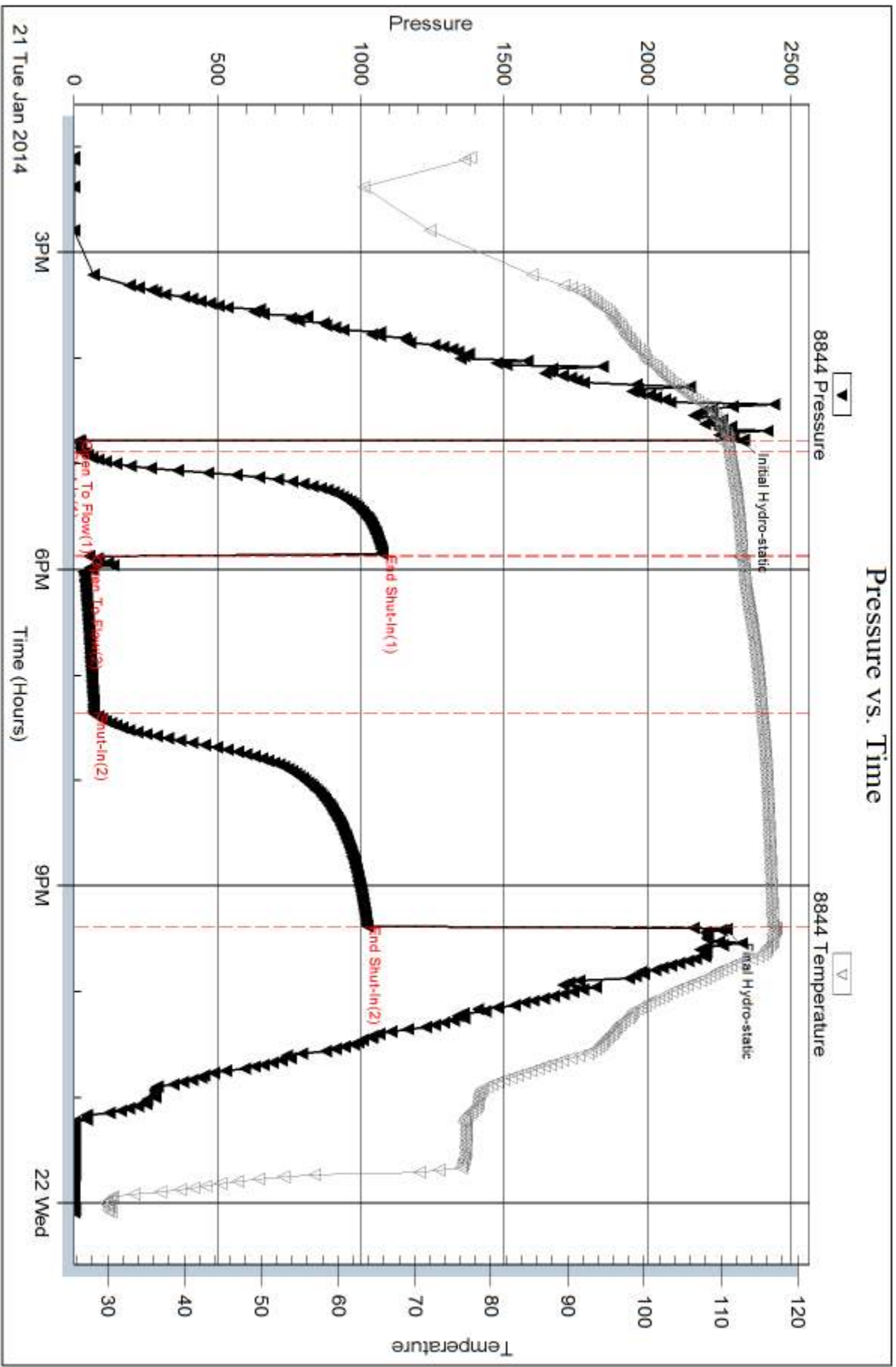
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .265 @ 60*f= 29,500 chlor



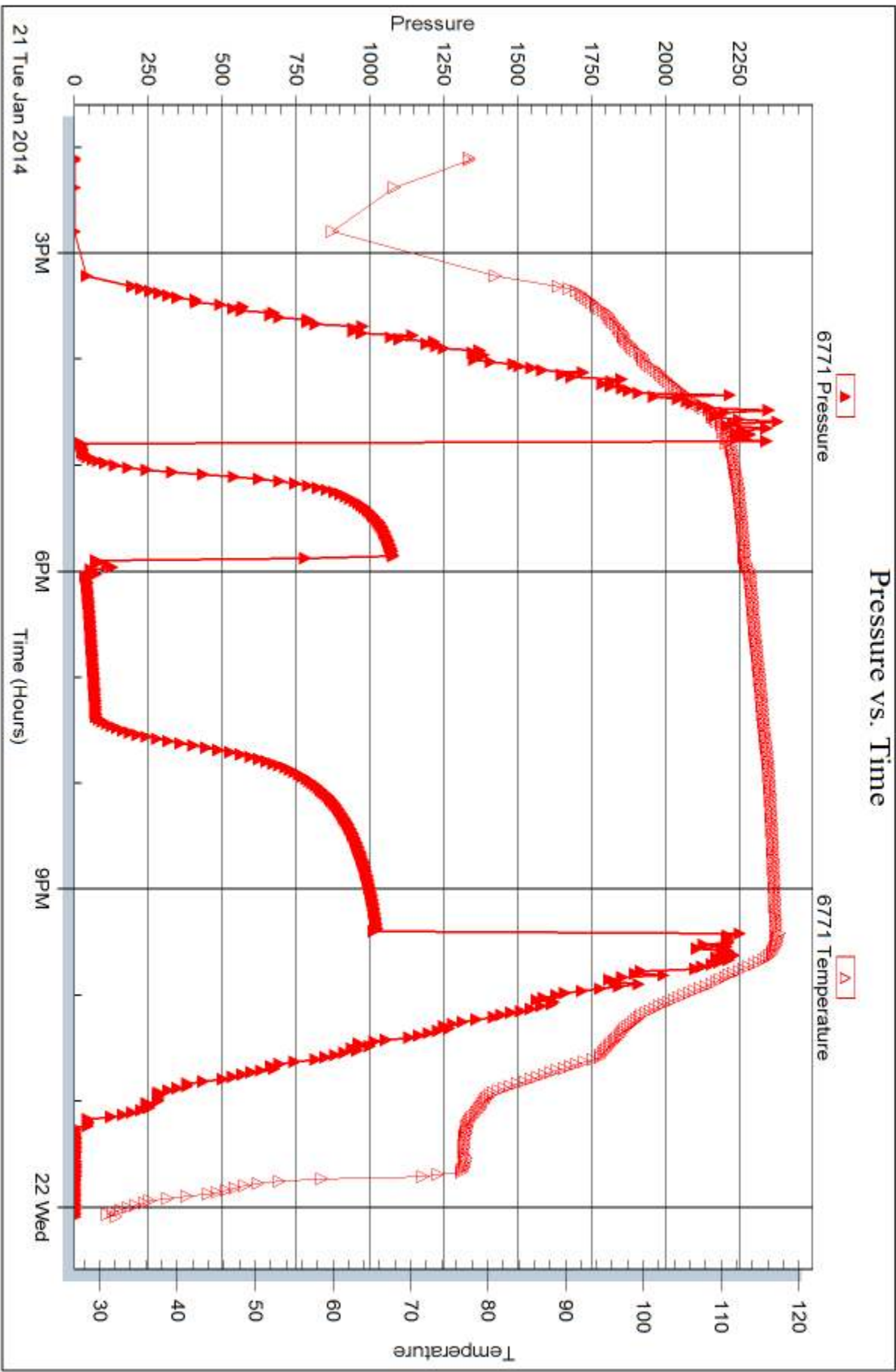
Serial #: 6771

Inside

McCoy Petroleum Corp

Hammer A #1-17

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp**

8080 E Central Ste. 300
Wichita, KS 67206-2366

ATTN: Dave Williams

Hammer A #1-17

17-30s-31w Haskell,KS

Start Date: 2014.01.23 @ 02:45:29

End Date: 2014.01.23 @ 14:25:14

Job Ticket #: 56618 DST #: 2

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

Printed: 2014.02.05 @ 09:50:37



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McCoy Petroleum Corp
8080 E Central Ste. 300
Wichita, KS 67206-2366
ATTN: Dave Williams

17-30s-31w Haskell, KS
Hammer A #1-17
Job Ticket: 56618 **DST#: 2**
Test Start: 2014.01.23 @ 02:45:29

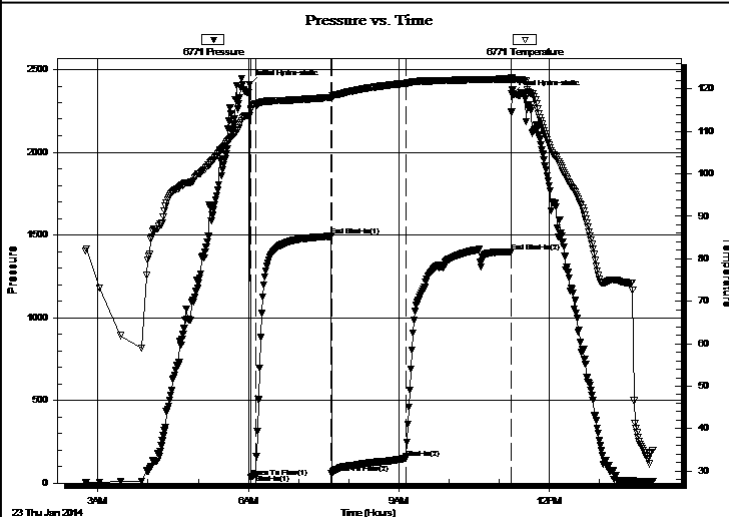
GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:02:59
Time Test Ended: 14:25:14
Interval: **4928.00 ft (KB) To 4996.00 ft (KB) (TVD)**
Total Depth: 4996.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Shane McBride
Unit No: 55
Reference Elevations: 2854.00 ft (KB)
2843.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6771 Inside

Press@RunDepth: 150.92 psig @ 4929.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.01.23 End Date: 2014.01.23 Last Calib.: 2014.01.23
Start Time: 02:45:29 End Time: 14:04:14 Time On Btm: 2014.01.23 @ 06:01:59
Time Off Btm: 2014.01.23 @ 11:14:59

TEST COMMENT: B.O.B. in 3 min.
No return
B.O.B. in 1 min.
Return blow in 6 min. built to 3 1/2" died in 98 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2409.05	113.72	Initial Hydro-static
1	36.99	115.04	Open To Flow (1)
7	50.19	116.47	Shut-In(1)
97	1492.04	118.00	End Shut-In(1)
98	56.39	117.78	Open To Flow (2)
186	150.92	121.31	Shut-In(2)
312	1397.41	122.36	End Shut-In(2)
313	2351.00	122.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	g s m c w 10g 10m 80w w/oil scum	0.89
60.00	g m c w 10g 40m 50w w/oil scum	0.50
60.00	g s w c m 5g 10w 85m heavy oil scum	0.84
0.00	1980' gas in pipe	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McCoy Petroleum Corp
 8080 E Central Ste. 300
 Wichita, KS 67206-2366
 ATTN: Dave Williams

17-30s-31w Haskell,KS
Hammer A #1-17
 Job Ticket: 56618 **DST#: 2**
 Test Start: 2014.01.23 @ 02:45:29

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:02:59
 Time Test Ended: 14:25:14
Interval: 4928.00 ft (KB) To 4996.00 ft (KB) (TVD)
 Total Depth: 4996.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 2854.00 ft (KB)
 2843.00 ft (CF)
 KB to GR/CF: 11.00 ft

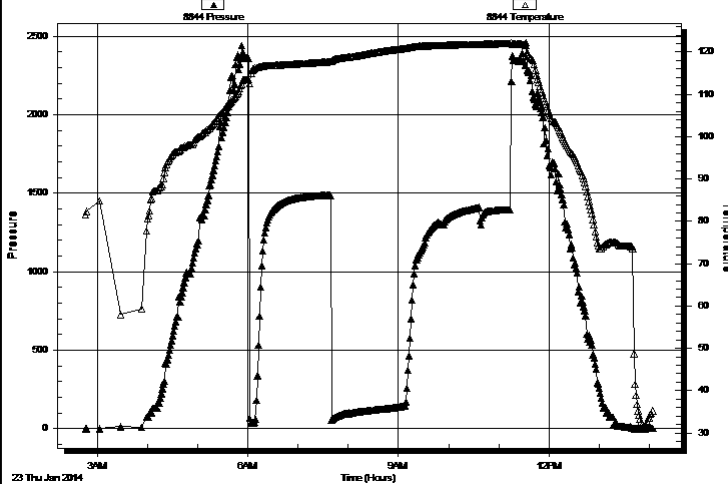
Serial #: 8844

Outside

Press@RunDepth: psig @ 4929.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.01.23 End Date: 2014.01.23 Last Calib.: 2014.01.23
 Start Time: 02:46:10 End Time: 14:04:55 Time On Btm:
 Time Off Btm:

TEST COMMENT: B.O.B. in 3 min.
 No return
 B.O.B. in 1 min.
 Return blow in 6 min. built to 3 1/2" died in 98 min.

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
180.00	g s m c w 10g 10m 80w w/oil scum	0.89
60.00	g m c w 10g 40m 50w w/oil scum	0.50
60.00	g s w c m 5g 10w 85m heavy oil scum	0.84
0.00	1980' gas in pipe	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corp

17-30s-31w Haskell,KS

8080 E Central Ste. 300
Wichita, KS 67206-2366

Hammer A #1-17

Job Ticket: 56618

DST#: 2

ATTN: Dave Williams

Test Start: 2014.01.23 @ 02:45:29

Tool Information

Drill Pipe:	Length: 4714.00 ft	Diameter: 3.80 inches	Volume: 66.13 bbl	Tool Weight: 1500.00 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: 217.00 ft	Diameter: 2.25 inches	Volume: 1.07 bbl	Weight to Pull Loose: 98000.00 lb
			<u>Total Volume: 67.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4928.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	96.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4901.00	
Shut In Tool	5.00			4906.00	
Hydraulic tool	5.00			4911.00	
Jars	5.00			4916.00	
Safety Joint	3.00			4919.00	
Packer	5.00			4924.00	28.00 Bottom Of Top Packer
Packer	4.00			4928.00	
Stubb	1.00			4929.00	
Recorder	0.00	6771	Inside	4929.00	
Recorder	0.00	8844	Outside	4929.00	
Perforations	28.00			4957.00	
Change Over Sub	1.00			4958.00	
Drill Pipe	32.00			4990.00	
Change Over Sub	1.00			4991.00	
Bullnose	5.00			4996.00	68.00 Bottom Packers & Anchor

Total Tool Length: 96.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corp

17-30s-31w Haskell,KS

8080 E Central Ste. 300
Wichita, KS 67206-2366

Hammer A #1-17

Job Ticket: 56618

DST#: 2

ATTN: Dave Williams

Test Start: 2014.01.23 @ 02:45:29

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

65000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.16 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	g s m c w 10g 10m 80w w/oil scum	0.885
60.00	g m c w 10g 40m 50w w/oil scum	0.505
60.00	g s w c m 5g 10w 85m heavy oil scum	0.842
0.00	1980' gas in pipe	0.000

Total Length: 300.00 ft Total Volume: 2.232 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

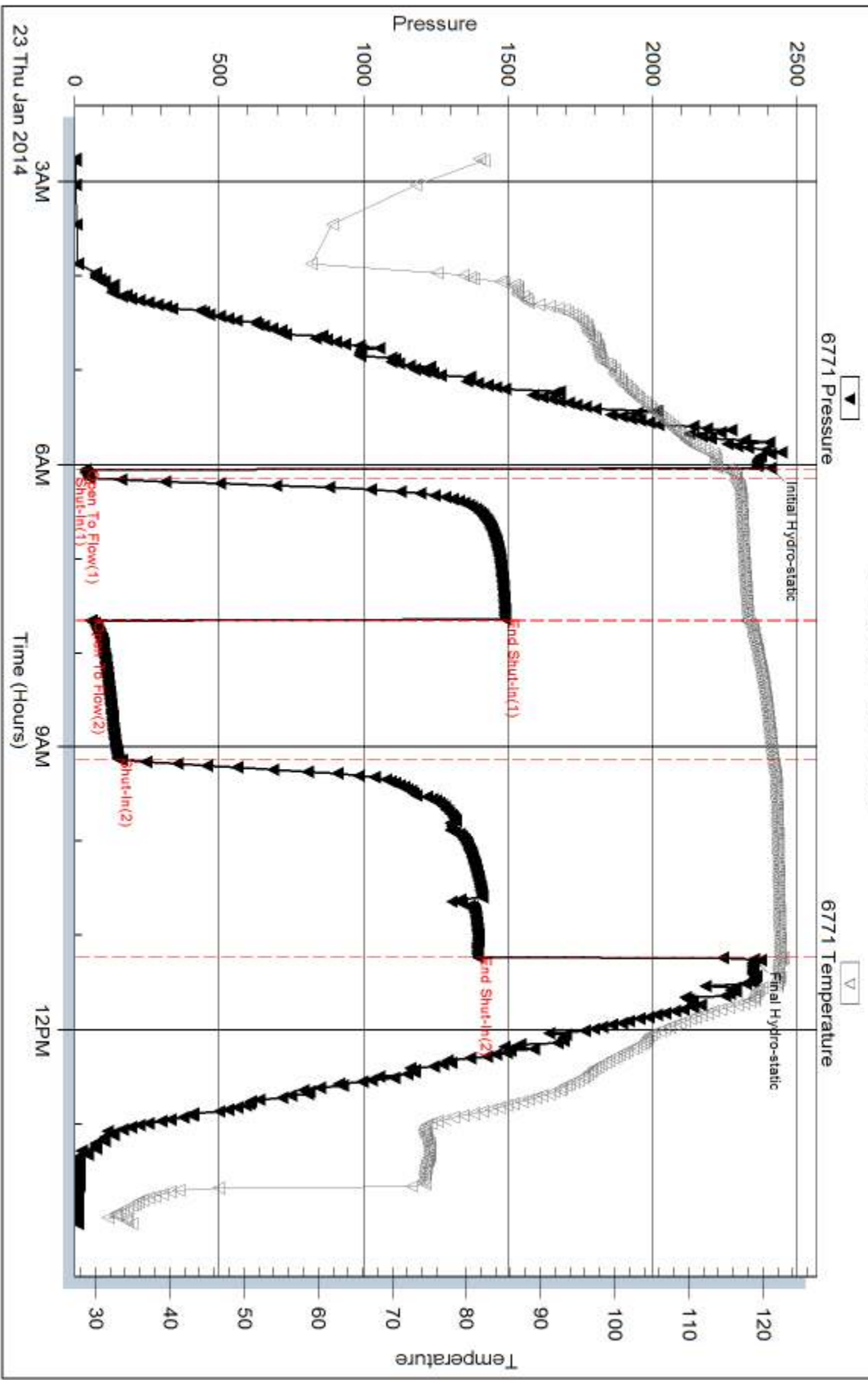
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .141 @ 55*f= 65,000 chlor

Pressure vs. Time

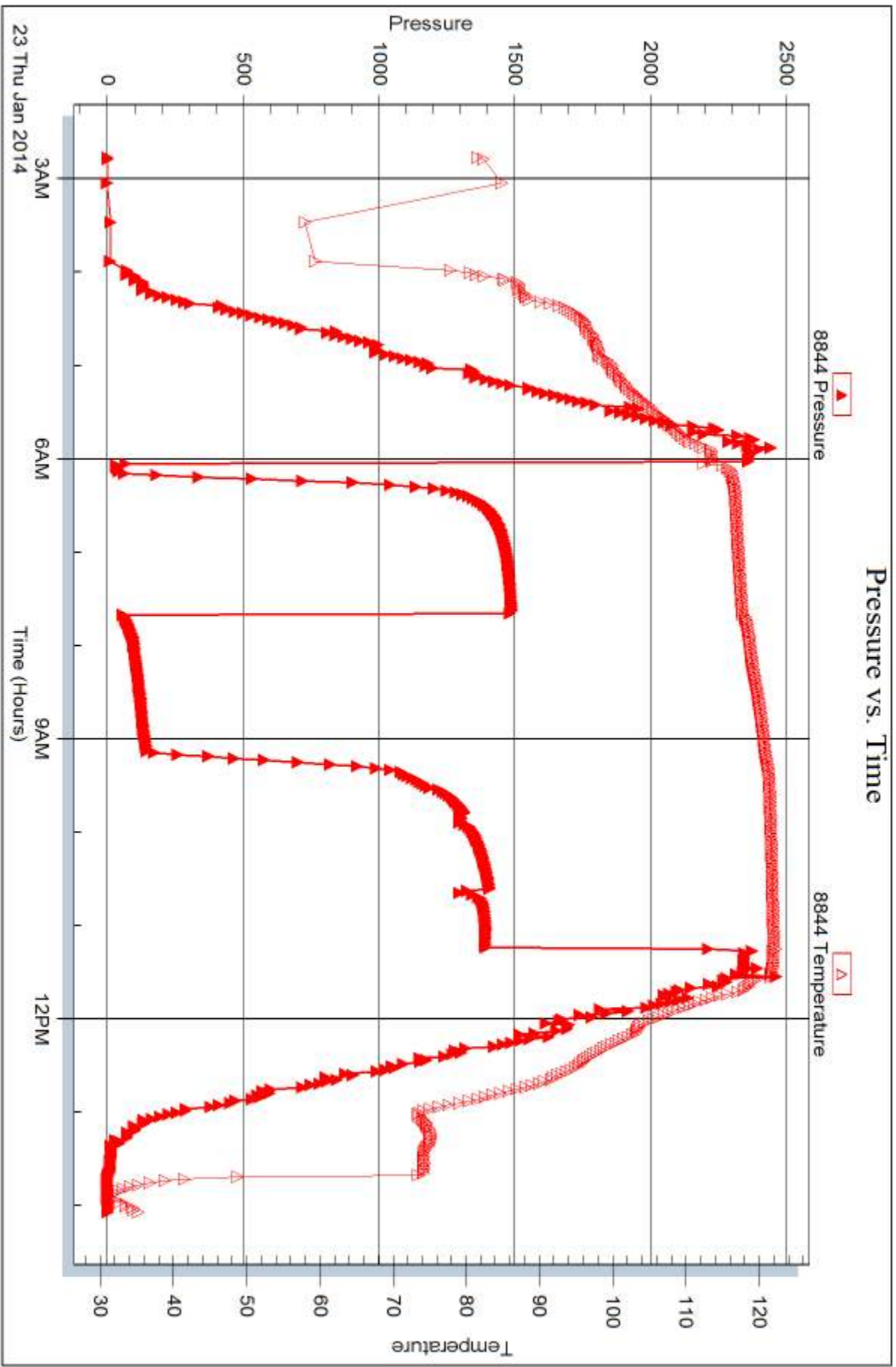


Serial #: 8844

Outside McCoy Petroleum Corp

Hammer A #1-17

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp**

8080 E Central Ste. 300
Wichita, KS 67206-2366

ATTN: Dave Williams

Hammer A #1-17

17-30s-31w Haskell,KS

Start Date: 2014.01.23 @ 19:00:44

End Date: 2014.01.24 @ 04:55:59

Job Ticket #: 56619 DST #: 3

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

Printed: 2014.02.05 @ 09:49:57



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McCoy Petroleum Corp
 8080 E Central Ste. 300
 Wichita, KS 67206-2366
 ATTN: Dave Williams

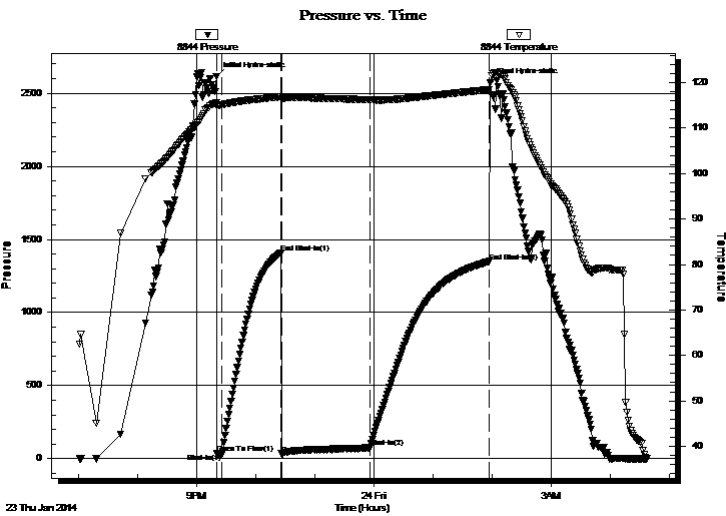
17-30s-31w Haskell, KS
Hammer A #1-17
 Job Ticket: 56619 **DST#: 3**
 Test Start: 2014.01.23 @ 19:00:44

GENERAL INFORMATION:

Formation: **Cherokee**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 21:20:29 Tester: Shane McBride
 Time Test Ended: 04:55:59 Unit No: 55
 Interval: **5161.00 ft (KB) To 5235.00 ft (KB) (TVD)** Reference Elevations: 2854.00 ft (KB)
 Total Depth: 5235.00 ft (KB) (TVD) 2843.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 8844 Outside
 Press@RunDepth: 75.04 psig @ 5162.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.01.23 End Date: 2014.01.24 Last Calib.: 2014.01.25
 Start Time: 19:00:44 End Time: 04:37:59 Time On Btm: 2014.01.23 @ 21:19:44
 Time Off Btm: 2014.01.24 @ 01:58:29

TEST COMMENT: B.O.B. in 1 min.
 No return
 B.O.B. @ open
 No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2614.74	115.51	Initial Hydro-static
1	37.67	114.89	Open To Flow (1)
6	34.76	115.09	Shut-In(1)
66	1407.21	116.90	End Shut-In(1)
67	27.45	116.56	Open To Flow (2)
157	75.04	116.27	Shut-In(2)
278	1348.93	118.45	End Shut-In(2)
279	2572.43	120.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	g m c o 20g 30m 50o	0.15
120.00	g s m c o 35g 10m 55o	0.59
0.00	4371' gas in pipe	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

McCoy Petroleum Corp
8080 E Central Ste. 300
Wichita, KS 67206-2366
ATTN: Dave Williams

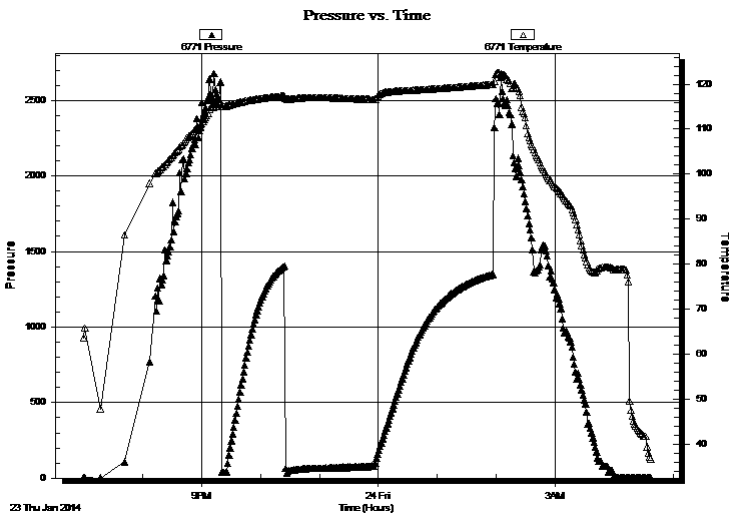
17-30s-31w Haskell, KS
Hammer A #1-17
Job Ticket: 56619 **DST#: 3**
Test Start: 2014.01.23 @ 19:00:44

GENERAL INFORMATION:

Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:20:29
Time Test Ended: 04:55:59
Interval: **5161.00 ft (KB) To 5235.00 ft (KB) (TVD)**
Total Depth: 5235.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2854.00 ft (KB)
2843.00 ft (CF)
KB to GR/CF: 11.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Shane McBride
Unit No: 55

Serial #: 6771 Inside
Press@RunDepth: psig @ 5162.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.01.23 End Date: 2014.01.24 Last Calib.: 2014.01.25
Start Time: 19:00:15 End Time: 04:37:45 Time On Btm:
Time Off Btm:

TEST COMMENT: B.O.B. in 1 min.
No return
B.O.B. @ open
No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	g m c o 20g 30m 50o	0.15
120.00	g s m c o 35g 10m 55o	0.59
0.00	4371' gas in pipe	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corp

17-30s-31w Haskell,KS

8080 E Central Ste. 300
Wichita, KS 67206-2366

Hammer A #1-17

Job Ticket: 56619

DST#: 3

ATTN: Dave Williams

Test Start: 2014.01.23 @ 19:00:44

Tool Information

Drill Pipe:	Length: 4938.00 ft	Diameter: 3.80 inches	Volume: 69.27 bbl	Tool Weight: 2500.00 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: 217.00 ft	Diameter: 2.25 inches	Volume: 1.07 bbl	Weight to Pull Loose: 108000.0 lb
			<u>Total Volume: 70.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 83000.00 lb
Depth to Top Packer:	5161.00 ft			Final 83000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.00 ft			
Tool Length:	102.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5134.00	
Shut In Tool	5.00			5139.00	
Hydraulic tool	5.00			5144.00	
Jars	5.00			5149.00	
Safety Joint	3.00			5152.00	
Packer	5.00			5157.00	28.00 Bottom Of Top Packer
Packer	4.00			5161.00	
Stubb	1.00			5162.00	
Recorder	0.00	6771	Inside	5162.00	
Recorder	0.00	8844	Outside	5162.00	
Perforations	34.00			5196.00	
Change Over Sub	1.00			5197.00	
Drill Pipe	32.00			5229.00	
Change Over Sub	1.00			5230.00	
Bullnose	5.00			5235.00	74.00 Bottom Packers & Anchor

Total Tool Length: 102.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corp

17-30s-31w Haskell,KS

8080 E Central Ste. 300
Wichita, KS 67206-2366

Hammer A #1-17

Job Ticket: 56619

DST#: 3

ATTN: Dave Williams

Test Start: 2014.01.23 @ 19:00:44

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.35 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	g m c o 20g 30m 50o	0.148
120.00	g s m c o 35g 10m 55o	0.590
0.00	4371' gas in pipe	0.000

Total Length: 150.00 ft Total Volume: 0.738 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

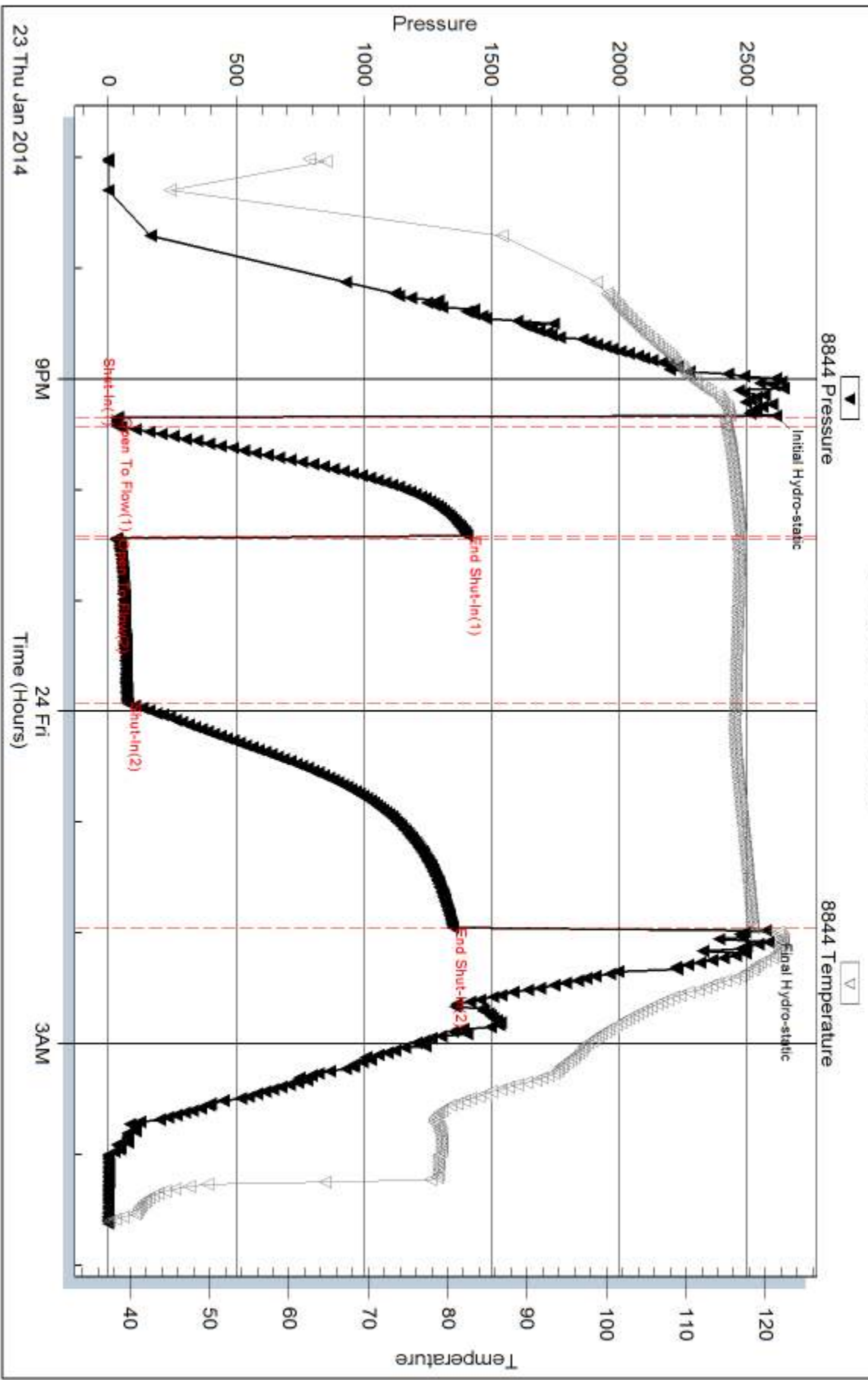
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



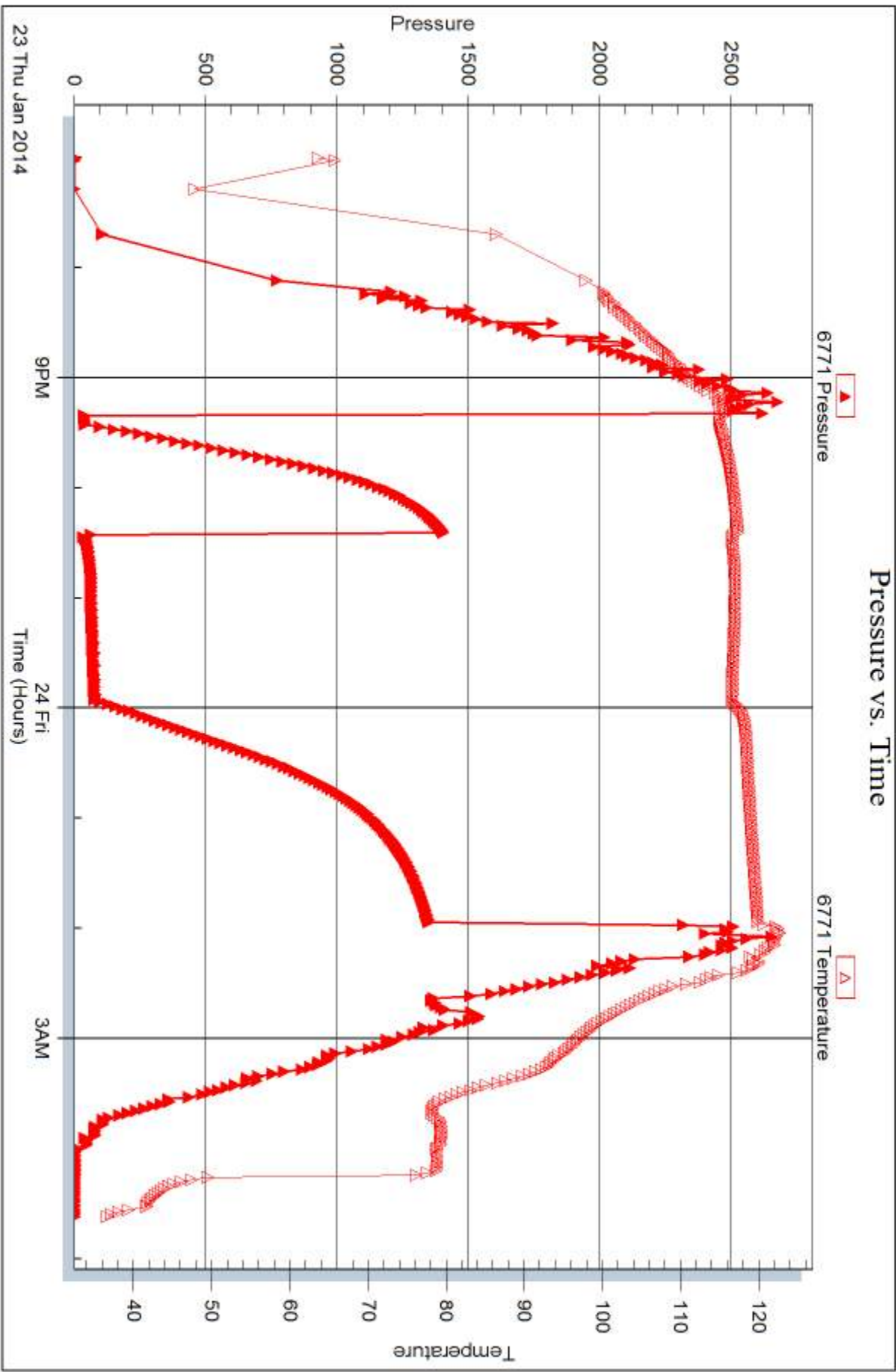
Serial #: 6771

Inside

McCoy Petroleum Corp

Hammer A #1-17

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 56619

Printed: 2014.02.05 @ 09:49:59



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp**

8080 E Central Ste. 300
Wichita, KS 67206-2366

ATTN: Dave Williams

Hammer A #1-17

17-30s-31w Haskell,KS

Start Date: 2014.01.26 @ 01:25:57

End Date: 2014.01.26 @ 10:20:42

Job Ticket #: 56620 DST #: 4

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

Printed: 2014.02.05 @ 09:45:34

McCoy Petroleum Corp

17-30s-31w Haskell,KS

Hammer A #1-17

DST # 4

Atoka, Morrow

2014.01.26



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McCoy Petroleum Corp
 8080 E Central Ste. 300
 Wichita, KS 67206-2366
 ATTN: Dave Williams

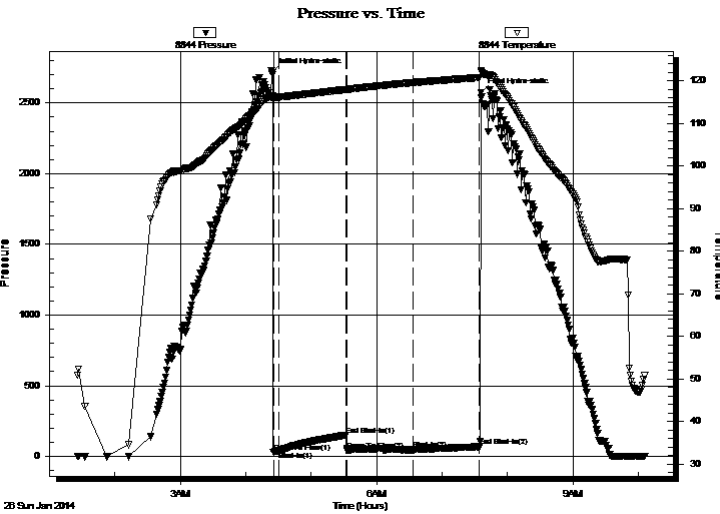
17-30s-31w Haskell,KS
Hammer A #1-17
 Job Ticket: 56620 **DST#: 4**
 Test Start: 2014.01.26 @ 01:25:57

GENERAL INFORMATION:

Formation: **Atoka, Morrow**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:25:12
 Time Test Ended: 10:20:42
 Interval: **5230.00 ft (KB) To 5340.00 ft (KB) (TVD)**
 Total Depth: 5340.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 2854.00 ft (KB)
 2843.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8844 Outside
 Press@RunDepth: 47.94 psig @ 5231.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.01.26 End Date: 2014.01.26 Last Calib.: 2014.01.26
 Start Time: 01:25:57 End Time: 10:05:42 Time On Btm: 2014.01.26 @ 04:24:12
 Time Off Btm: 2014.01.26 @ 07:35:42

TEST COMMENT: 1/1/2" in blow
 No return
 Weak surface blow, died in 22 min.
 No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2712.59	116.51	Initial Hydro-static
1	30.81	115.81	Open To Flow (1)
7	39.59	116.15	Shut-In(1)
68	151.57	117.91	End Shut-In(1)
69	43.72	117.92	Open To Flow (2)
129	47.94	119.54	Shut-In(2)
190	69.83	120.71	End Shut-In(2)
192	2573.09	122.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud 100% m	0.30

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McCoy Petroleum Corp
 8080 E Central Ste. 300
 Wichita, KS 67206-2366
 ATTN: Dave Williams

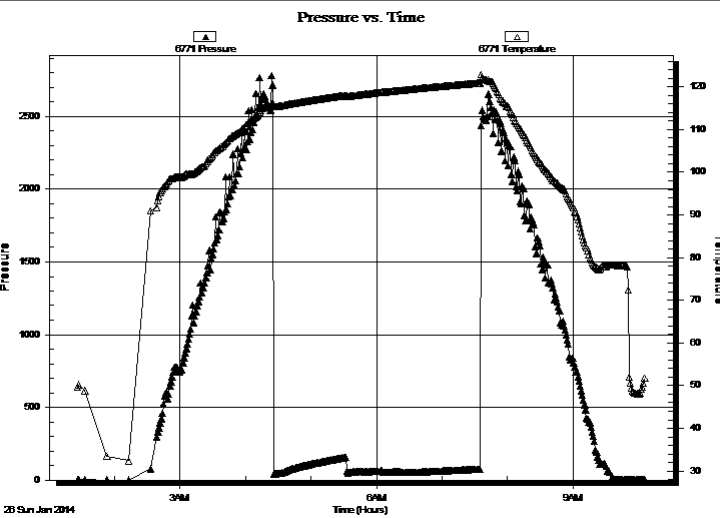
17-30s-31w Haskell, KS
Hammer A #1-17
 Job Ticket: 56620 **DST#: 4**
 Test Start: 2014.01.26 @ 01:25:57

GENERAL INFORMATION:

Formation: **Atoka, Morrow**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:25:12
 Time Test Ended: 10:20:42
Interval: 5230.00 ft (KB) To 5340.00 ft (KB) (TVD)
 Total Depth: 5340.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 2854.00 ft (KB)
 2843.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 6771 Inside
 Press@RunDepth: psig @ 5231.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.01.26 End Date: 2014.01.26 Last Calib.: 2014.01.26
 Start Time: 01:26:10 End Time: 10:06:10 Time On Btm:
 Time Off Btm:

TEST COMMENT: 1/1/2" in blow
 No return
 Weak surface blow , died in 22 min.
 No return



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

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	mud 100% m	0.30

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corp

17-30s-31w Haskell,KS

8080 E Central Ste. 300
Wichita, KS 67206-2366

Hammer A #1-17

Job Ticket: 56620

DST#: 4

ATTN: Dave Williams

Test Start: 2014.01.26 @ 01:25:57

Tool Information

Drill Pipe:	Length: 5002.00 ft	Diameter: 3.80 inches	Volume: 70.16 bbl	Tool Weight:	2500.00 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: 217.00 ft	Diameter: 2.25 inches	Volume: 1.07 bbl	Weight to Pull Loose:	103000.0 lb
			<u>Total Volume: 71.23 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	83000.00 lb
Depth to Top Packer:	5230.00 ft			Final	83000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	110.00 ft				
Tool Length:	138.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5203.00	
Shut In Tool	5.00			5208.00	
Hydraulic tool	5.00			5213.00	
Jars	5.00			5218.00	
Safety Joint	3.00			5221.00	
Packer	5.00			5226.00	28.00 Bottom Of Top Packer
Packer	4.00			5230.00	
Stubb	1.00			5231.00	
Recorder	0.00	6771	Inside	5231.00	
Recorder	0.00	8844	Outside	5231.00	
Perforations	7.00			5238.00	
Change Over Sub	1.00			5239.00	
Drill Pipe	95.00			5334.00	
Change Over Sub	1.00			5335.00	
Bullnose	5.00			5340.00	110.00 Bottom Packers & Anchor

Total Tool Length: 138.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corp

17-30s-31w Haskell,KS

8080 E Central Ste. 300
Wichita, KS 67206-2366

Hammer A #1-17

Job Ticket: 56620

DST#: 4

ATTN: Dave Williams

Test Start: 2014.01.26 @ 01:25:57

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.57 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mud 100%m	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

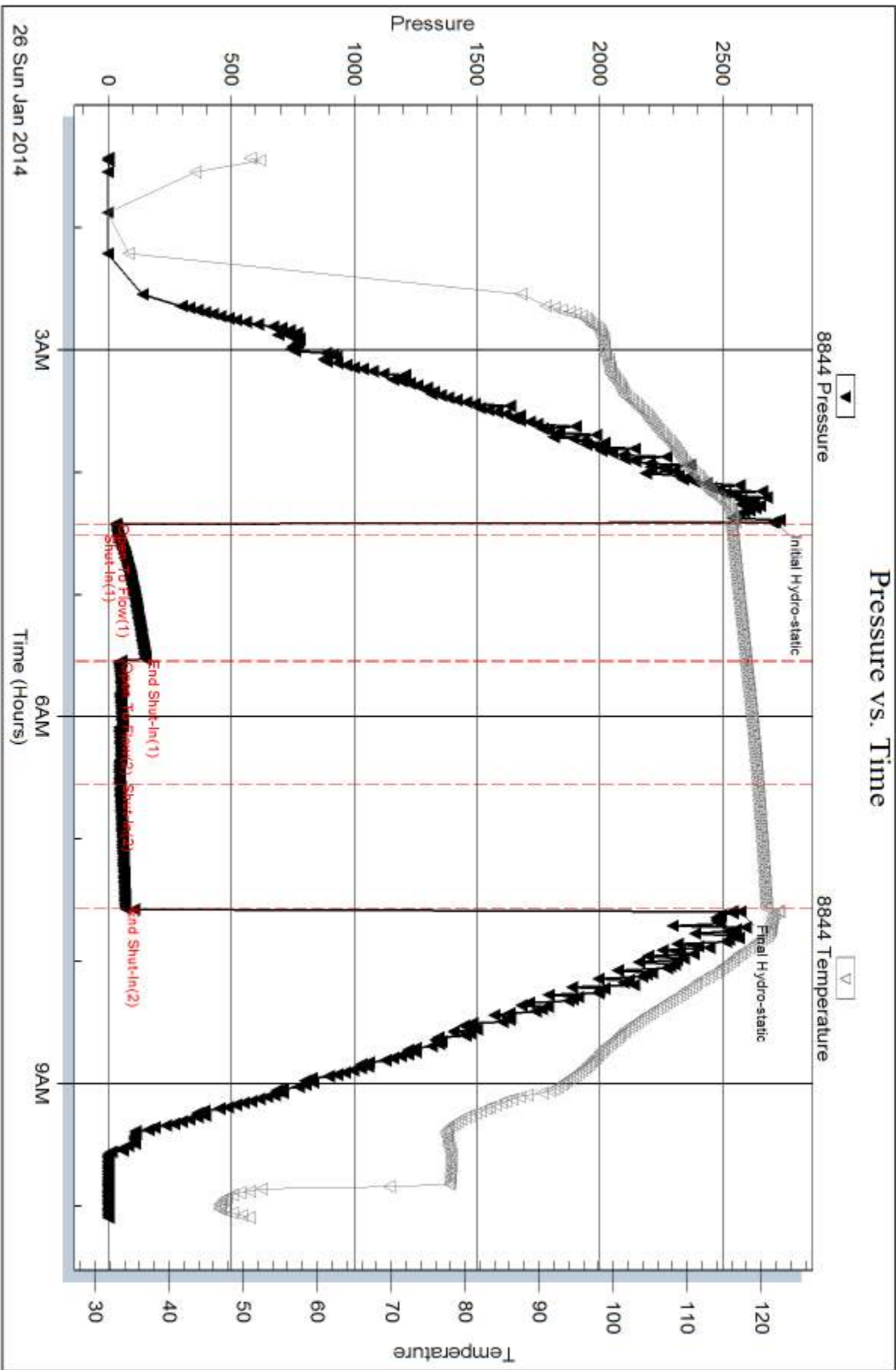
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



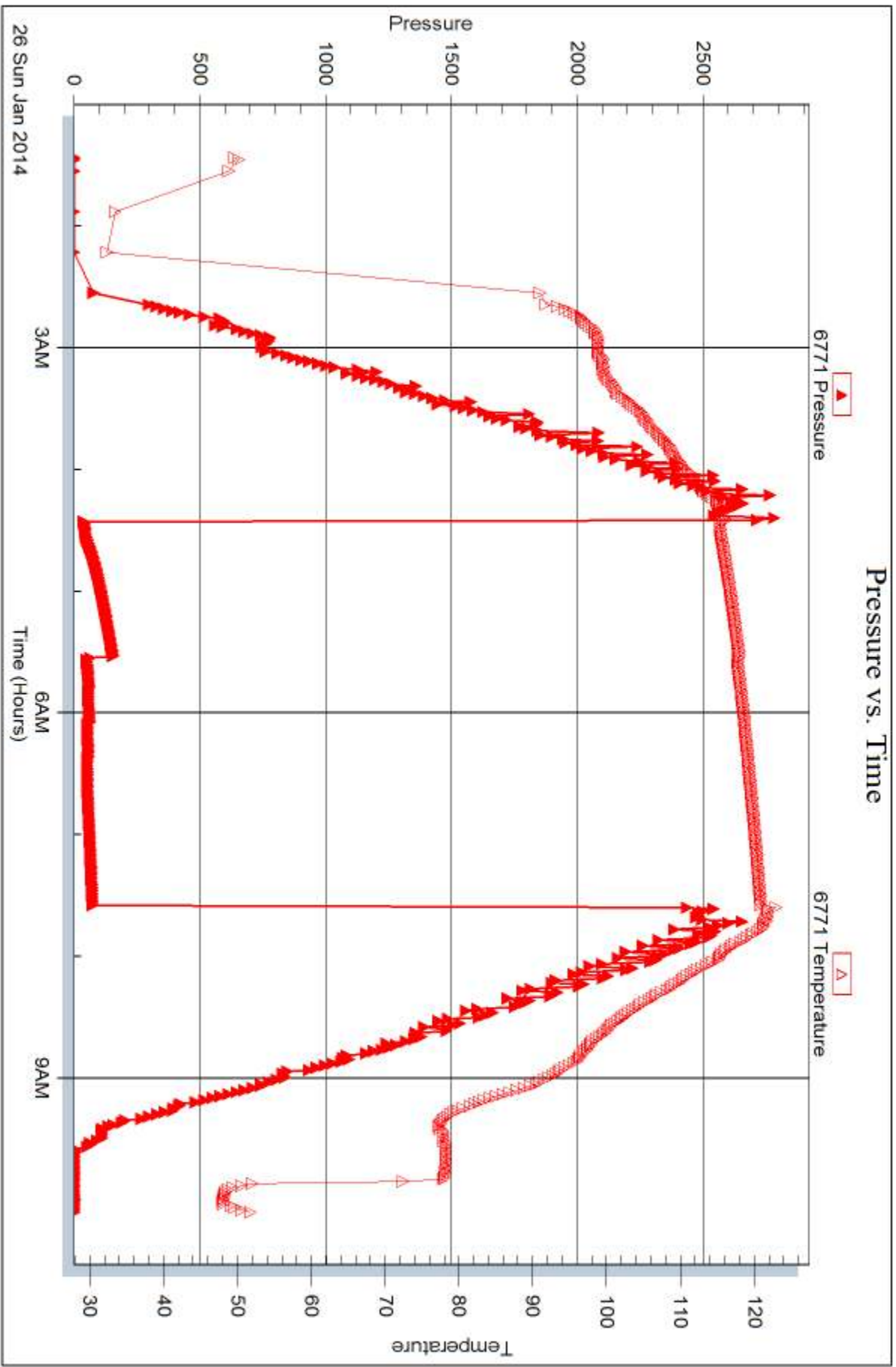
Serial #: 6771

Inside

McCoy Petroleum Corp

Hammer A #1-17

DST Test Number: 4



Tribble Testing, Inc

Ref. No: 56620

Printed: 2014.02.05 @ 09:45:37



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp**

8080 E Central Ste. 300
Wichita, KS 67206-2366

ATTN: Dave Williams

Hammer A #1-17

17-30s-31w Haskell,KS

Start Date: 2014.01.27 @ 17:30:59

End Date: 2014.01.28 @ 05:55:44

Job Ticket #: 56621 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.02.05 @ 09:44:49

McCoy Petroleum Corp

17-30s-31w Haskell,KS

Hammer A #1-17

DST # 5

St. Louis A

2014.01.27



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

McCoy Petroleum Corp
8080 E Central Ste. 300
Wichita, KS 67206-2366
ATTN: Dave Williams

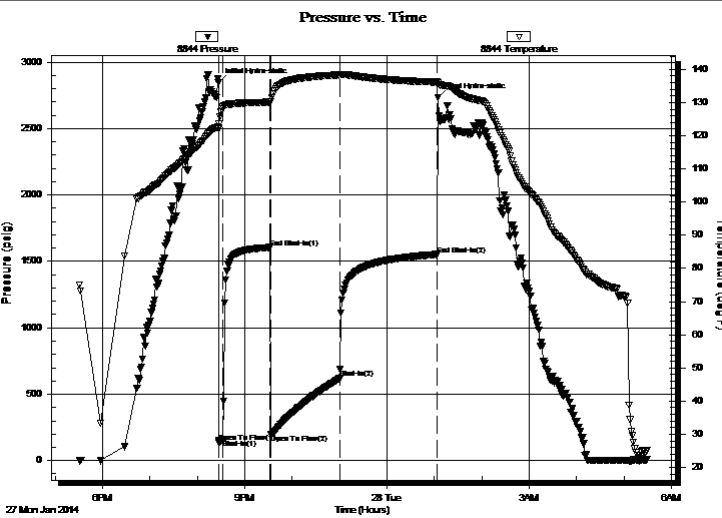
17-30s-31w Haskell,KS
Hammer A #1-17
Job Ticket: 56621 **DST#: 5**
Test Start: 2014.01.27 @ 17:30:59

GENERAL INFORMATION:

Formation: **St. Louis A**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:27:29
Time Test Ended: 05:55:44
Interval: **5540.00 ft (KB) To 5604.00 ft (KB) (TVD)**
Total Depth: 5640.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Shane McBride
Unit No: 55
Reference Elevations: 2854.00 ft (KB)
2843.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8844 Outside
Press@RunDepth: 617.89 psig @ 5541.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.01.27 End Date: 2014.01.28 Last Calib.: 2014.01.28
Start Time: 17:30:59 End Time: 05:29:44 Time On Btm: 2014.01.27 @ 20:26:29
Time Off Btm: 2014.01.28 @ 01:04:29

TEST COMMENT: B.O.B. in 3 min.
No return
B.O.B. in 6 min.
Return blow in 40 min. built to 1 1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2845.47	122.39	Initial Hydro-static
1	136.63	123.65	Open To Flow (1)
6	159.93	128.58	Shut-In(1)
65	1605.01	130.12	End Shut-In(1)
67	198.17	130.25	Open To Flow (2)
154	617.89	138.34	Shut-In(2)
277	1552.23	136.14	End Shut-In(2)
278	2732.04	135.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
558.00	g w 15g 85w	5.85
248.00	g s m c w trace of oil 10g 10m 80w	3.48
144.00	g m c w trace of oil 10g 40m 50w	2.02
0.00	164' weak gas in pipe	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

McCoy Petroleum Corp
8080 E Central Ste. 300
Wichita, KS 67206-2366

ATTN: Dave Williams

17-30s-31w Haskell, KS

Hammer A #1-17

Job Ticket: 56621

DST#: 5

Test Start: 2014.01.27 @ 17:30:59

GENERAL INFORMATION:

Formation: **St. Louis A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:27:29

Time Test Ended: 05:55:44

Interval: 5540.00 ft (KB) To 5604.00 ft (KB) (TVD)

Total Depth: 5640.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

Reference Elevations: 2854.00 ft (KB)

2843.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6771 Inside

Press@RunDepth: psig @ 5541.00 ft (KB)

Start Date: 2014.01.27

End Date:

2014.01.28

Capacity: 8000.00 psig

Last Calib.:

2014.01.28

Start Time: 17:30:15

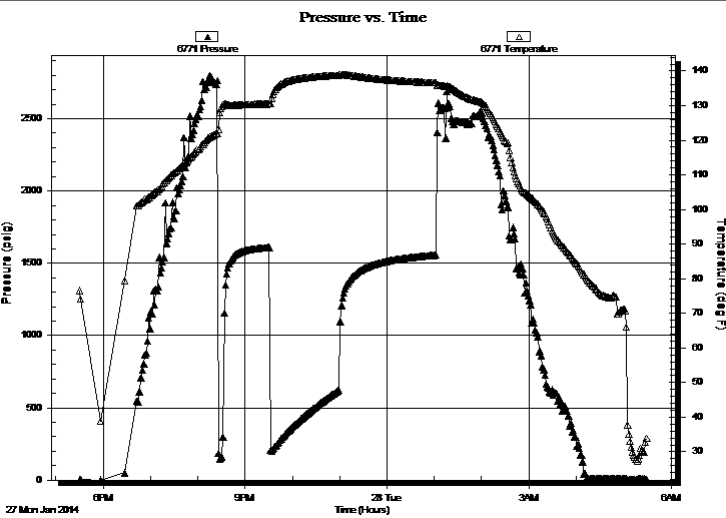
End Time:

05:30:00

Time On Btm:

Time Off Btm:

TEST COMMENT: B.O.B. in 3 min.
No return
B.O.B. in 6 min.
Return blow in 40 min. built to 1 1/2"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
558.00	g w 15g 85w	5.85
248.00	g s m c w trace of oil 10g 10m 80w	3.48
144.00	g m c w trace of oil 10g 40m 50w	2.02
0.00	164' weak gas in pipe	0.00

* 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

17-30s-31w Haskell,KS

8080 E Central Ste. 300
Wichita, KS 67206-2366

Hammer A #1-17

Job Ticket: 56621

DST#: 5

ATTN: Dave Williams

Test Start: 2014.01.27 @ 17:30:59

Tool Information

Drill Pipe:	Length: 5320.00 ft	Diameter: 3.80 inches	Volume: 74.63 bbl	Tool Weight:	1500.00 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: 217.00 ft	Diameter: 2.25 inches	Volume: 1.07 bbl	Weight to Pull Loose:	105000.0 lb
			<u>Total Volume: 75.70 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	85000.00 lb
Depth to Top Packer:	5540.00 ft			Final	93000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	64.00 ft				
Tool Length:	92.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5513.00	
Shut In Tool	5.00			5518.00	
Hydraulic tool	5.00			5523.00	
Jars	5.00			5528.00	
Safety Joint	3.00			5531.00	
Packer	5.00			5536.00	28.00 Bottom Of Top Packer
Packer	4.00			5540.00	
Stubb	1.00			5541.00	
Recorder	0.00	6771	Inside	5541.00	
Recorder	0.00	8844	Outside	5541.00	
Perforations	24.00			5565.00	
Change Over Sub	1.00			5566.00	
Drill Pipe	32.00			5598.00	
Change Over Sub	1.00			5599.00	
Bullnose	5.00			5604.00	64.00 Bottom Packers & Anchor

Total Tool Length: 92.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corp

17-30s-31w Haskell,KS

8080 E Central Ste. 300
Wichita, KS 67206-2366

Hammer A #1-17

Job Ticket: 56621

DST#: 5

ATTN: Dave Williams

Test Start: 2014.01.27 @ 17:30:59

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

59000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1750.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
558.00	g w 15g 85w	5.851
248.00	g s m c w trace of oil 10g 10m 80w	3.479
144.00	g m c w trace of oil 10g 40m 50w	2.020
0.00	164' weak gas in pipe	0.000

Total Length: 950.00 ft Total Volume: 11.350 bbl

Num Fluid Samples: 0

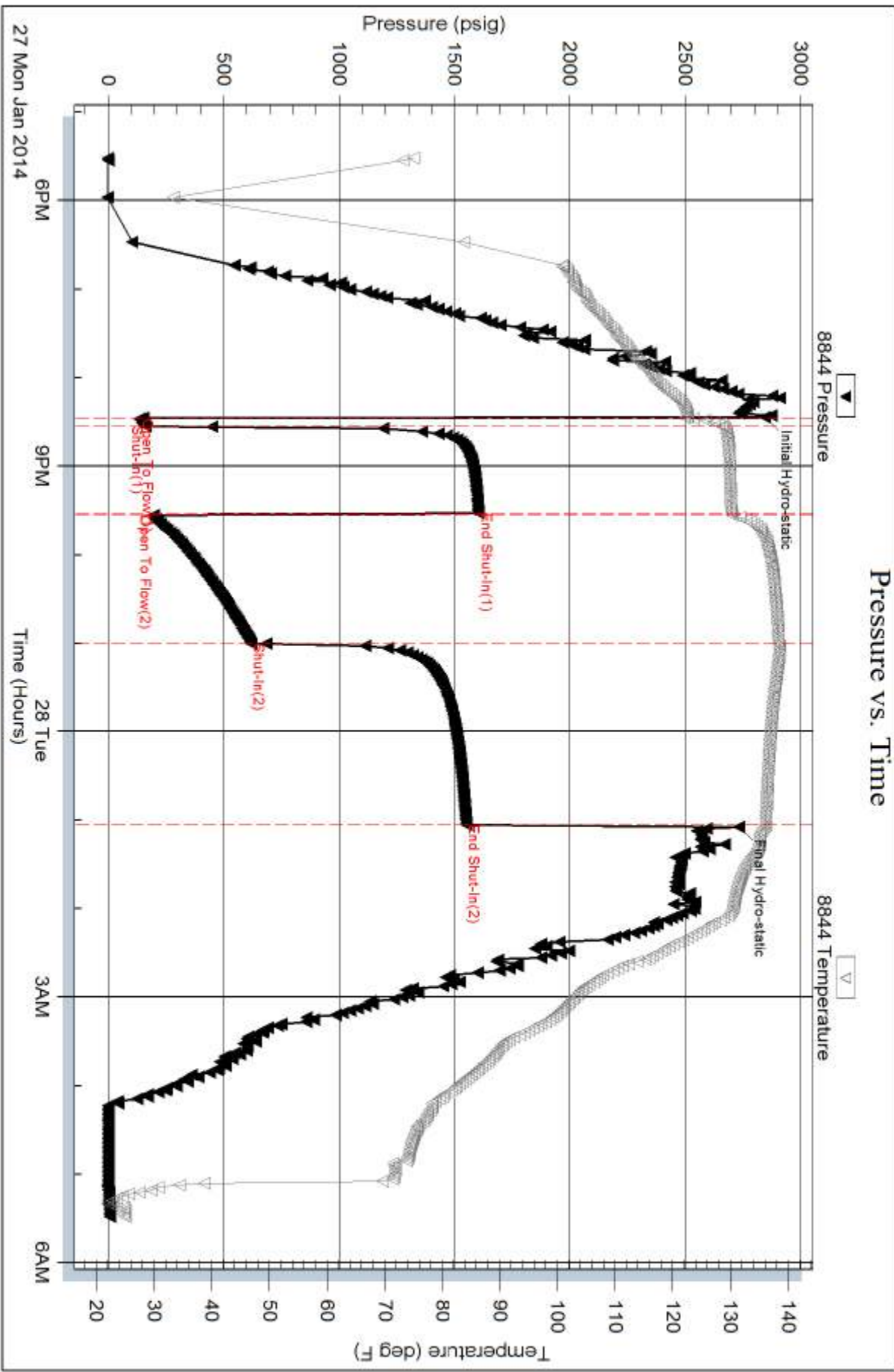
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .237 @ 35*f = 59,000 chlor



Serial #: 6771

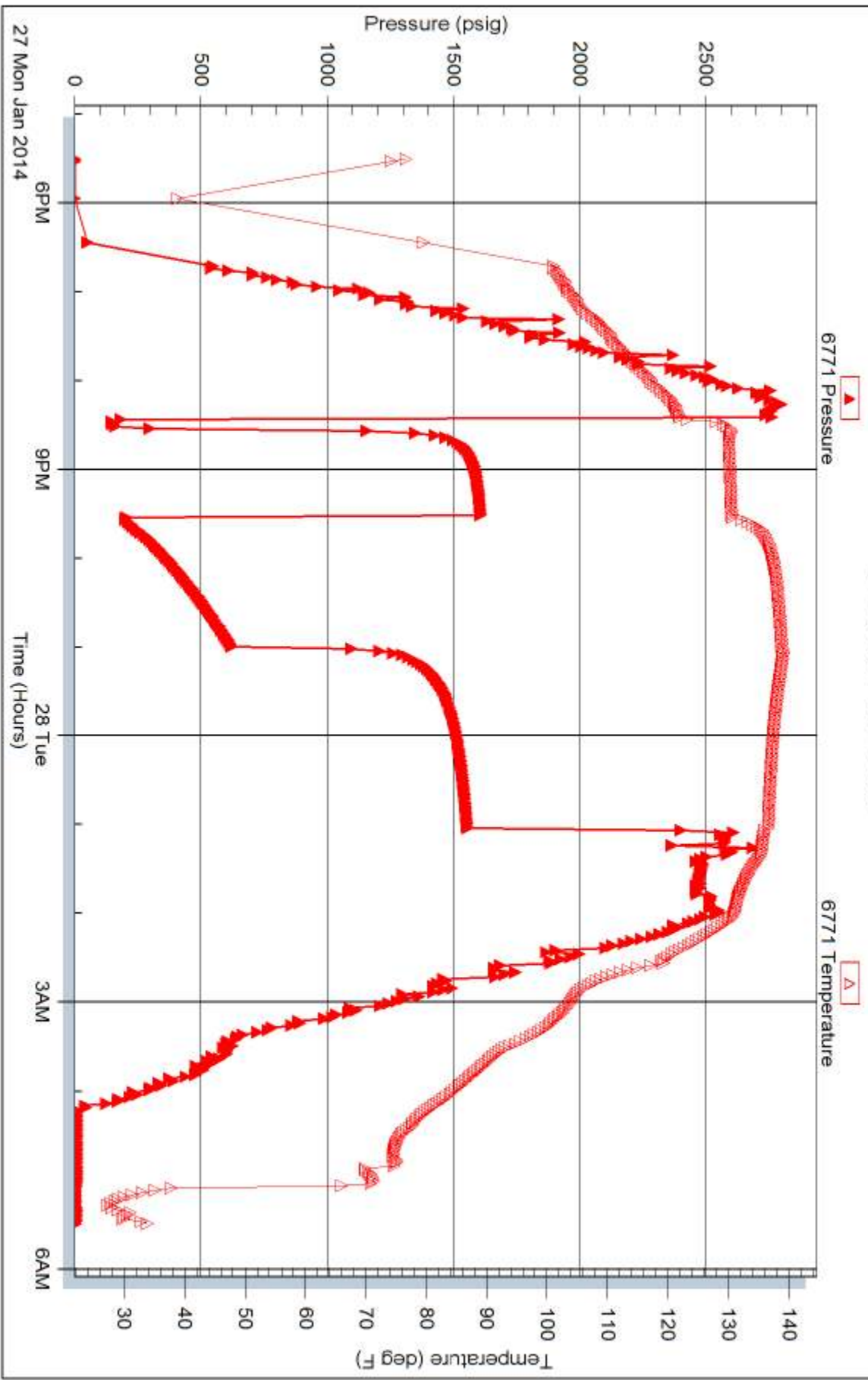
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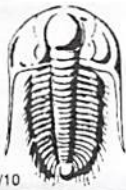
McCoy Petroleum Corp

Hammer A #1-17

DST Test Number: 5

Pressure vs. Time





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56617

Well Name & No. Hammer A. #1-17 Test No. #1 Date 1/21/14
 Company McCoy Petroleum Corp Elevation 2854 KB 2843 GL
 Address 8080 E Central Ste 300, Wichita, KS 67206-2366
 Co. Rep / Geo. Dave Williams Rig Sterling #2
 Location: Sec. 17 Twp. 30S Rge. 31W Co. Haskell State Ks

Interval Tested 4689 4720 Zone Tested Swope
 Anchor Length 31 Drill Pipe Run 4459' Mud Wt. 9.1
 Top Packer Depth 4684 Drill Collars Run 217' Vis 59
 Bottom Packer Depth 4689 Wt. Pipe Run --- WL 8.0
 Total Depth 4720 Chlorides 1800 ppm System LCM #2
 Blow Description 1/4" @ open built to 3/4" in.

No return
9 1/2" in blow
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>60'</u>	<u>Sw cm</u>	<u>scum</u>	<u>15</u>	<u>85</u>	<u>---</u>
<u>60'</u>	<u>mcw</u>	<u>scum</u>	<u>75</u>	<u>25</u>	<u>---</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>60' Gas in pipe</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

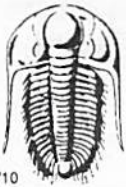
Rec Total 120" BHT 117° Gravity --- API RW 265 @ 60° F Chlorides 29,500 ppm

(A) Initial Hydrostatic <u>2328</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>11:35</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>14:05</u>
(C) First Final Flow <u>25</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>16:43</u>
(D) Initial Shut-In <u>1074</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>21:18</u>
(E) Second Initial Flow <u>52</u>	<input checked="" type="checkbox"/> Hourly Standby <u>1 1/2 hrs 150</u>	T-Out <u>00:21</u>
(F) Second Final Flow <u>70</u>	<input checked="" type="checkbox"/> Mileage <u>174 RT 269.70</u>	Comments <u>Rig was to be on bank</u>
(G) Final Shut-In <u>1020</u>	<input type="checkbox"/> Sampler	<u>@ 12:30 didn't get on back till</u>
(H) Final Hydrostatic <u>2274</u>	<input type="checkbox"/> Straddle	<u>14:30 pm No one called to say they</u>

Initial Open 5 Shale Packer Extra Copies ---
 Initial Shut-In 60 Extra Packer Sub Total 0
 Final Flow 90 Extra Recorder Total 1994.70
 Final Shut-In 120 Day Standby MP/DST Disc't ---
 Accessibility Sub Total 1994.70

Approved By Dave 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. 56618

Well Name & No. Hammer A #1-17 Test No. #2 Date 1/23/14
 Company McCoy Petroleum Corp Elevation 2854 KB 2843 GL
 Address 8080 E Central Ste 300, Wichita, KS 67206 - 2366
 Co. Rep / Geo. Dave Williams Rig Sterling #2
 Location: Sec. 17 Twp. 30s Rge. 31w Co. Haskell State Ks

Interval Tested 4928 4996 Zone Tested Pawnee
 Anchor Length 68 Drill Pipe Run 4714' Mud Wt. 9.2
 Top Packer Depth 4923 Drill Collars Run 217' Vis 54
 Bottom Packer Depth 4928 Wt. Pipe Run — WL 7.2
 Total Depth 4996 Chlorides 2300 ppm System LCM #2 1/2

Blow Description B.O.B. in 3min
No return

B.O.B. in 1min
Return blow in 6min built to 3 1/2" in. died in 98min.

Rec	Feet of	%gas	Heavy Scum %oil	%water	%mud
<u>60</u>	<u>gs wcm</u>	<u>5</u>	<u>Scum</u>	<u>10</u>	<u>85</u>
<u>60</u>	<u>gm cw</u>	<u>10</u>	<u>Scum</u>	<u>50</u>	<u>40</u>
<u>180'</u>	<u>gs m cw</u>	<u>10</u>	<u>Scum</u>	<u>80</u>	<u>10</u>
<u>—</u>	<u>1980' Gas. Pipe</u>	<u>%gas</u>	<u>%oil</u>	<u>%water</u>	<u>%mud</u>
<u>—</u>	<u>Feet of</u>	<u>%gas</u>	<u>%oil</u>	<u>%water</u>	<u>%mud</u>

Rec Total 300' BHT 122° Gravity — API RW .141 @ 55° F Chlorides 65000 ppm

(A) Initial Hydrostatic <u>2409</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>02:05</u>
(B) First Initial Flow <u>36</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>02:45</u>
(C) First Final Flow <u>50</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>06:02</u>
(D) Initial Shut-In <u>1492</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>11:07</u>
(E) Second Initial Flow <u>36</u>	<input type="checkbox"/> Hourly Standby	T-Out
(F) Second Final Flow <u>150</u>	<input checked="" type="checkbox"/> Mileage <u>174 RT 269.70</u>	Comments
(G) Final Shut-In <u>1397</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2351</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 5
 Initial Shut-In 90
 Final Flow 90
 Final Shut-In 120

Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

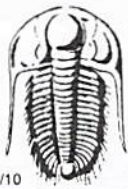
Sub Total 1844.70

Total 1844.70

MP/DST Disc't

Approved By Dave Williams Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56619

Well Name & No. Hammer A #1-17 Test No. #3 Date 1-25-14
 Company McCoy Petroleum Corp Elevation 2854 KB 2843 GL
 Address 8080 E Central Ste 300, Wichita, KS 67206-2366
 Co. Rep / Geo. Dave Williams Rig Sterling #2
 Location: Sec. 17 Twp. 30S Rge. 31W Co. Haskell State Ks

Interval Tested 5161 5235 Zone Tested Cherokee
 Anchor Length 74 Drill Pipe Run 4938' Mud Wt. 9.3
 Top Packer Depth 5154 Drill Collars Run 217' Vis 6.2
 Bottom Packer Depth 5161 Wt. Pipe Run --- WL 8.4
 Total Depth 5235 Chlorides 3200 ppm System LCM #2

Blow Description B.O.B in 1min
4 No return
B.O.B. @ open
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>30'</u>	<u>gmco</u>	<u>20</u>	<u>50</u>	<u>30</u>	
<u>120'</u>	<u>gsmco</u>	<u>35</u>	<u>55</u>	<u>10</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>(4371' GAS IN P. PE)</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 150 BHT 120° Gravity --- API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic	<u>2614</u>	<input checked="" type="checkbox"/> Test	<u>1350</u>	T-On Location	<u>18:35</u>
(B) First Initial Flow	<u>37</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>19:00</u>
(C) First Final Flow	<u>34</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>21:21</u>
(D) Initial Shut-In	<u>1407</u>	<input checked="" type="checkbox"/> Circ Sub	<u>W/C</u>	T-Pulled	<u>01:56</u>
(E) Second Initial Flow	<u>27</u>	<input type="checkbox"/> Hourly Standby		T-Out	
(F) Second Final Flow	<u>75</u>	<input checked="" type="checkbox"/> Mileage	<u>174 RT + 46 (240 Total)</u>	Comments	<u>Rig Short Tripped drove an extra 46 miles.</u>
(G) Final Shut-In	<u>1348</u>	<input type="checkbox"/> Sampler	<u>372</u>		
(H) Final Hydrostatic	<u>2572</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

Initial Open 5
 Initial Shut-In 40
 Final Flow 90
 Final Shut-In 120

Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 2047

Total 2047
 MP/DST Disc't ---

Approved By [Signature] Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56620

Well Name & No. Hammer A #1-17 Test No. #4 Date 1/26/14
 Company McCoy Petroleum Corp Elevation 2854 KB 2843 GL
 Address 8080 E Central St 300, Wichita, KS 67206-2366
 Co. Rep / Geo. Dave Williams Rig Stirling #2
 Location: Sec. 17 Twp. 30 Rge. 31 Co. Haskell State Ks

Interval Tested 5230 5340 Zone Tested Atoka - Morrow
 Anchor Length 110' Drill Pipe Run 5002' Mud Wt. 9.4
 Top Packer Depth 5225 Drill Collars Run 217' Vis 57
 Bottom Packer Depth 5230 Wt. Pipe Run --- WL 7.4
 Total Depth 5340 Chlorides 3300 ppm System LCM #3

Blow Description 1 1/2" in blow
No return
Weak surface blow died in 22 min
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>60'</u>	<u>Med</u>			<u>100</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 60' BHT 122° Gravity --- API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic <u>2712</u>	<input checked="" type="checkbox"/> Test <u>1350</u>	T-On Location <u>00:35</u>
(B) First Initial Flow <u>30</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>01:25</u>
(C) First Final Flow <u>39</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>04:25</u>
(D) Initial Shut-In <u>151</u>	<input checked="" type="checkbox"/> Circ Sub <u>W/C</u>	T-Pulled <u>07:30</u>
(E) Second Initial Flow <u>43</u>	<input type="checkbox"/> Hourly Standby	T-Out
(F) Second Final Flow <u>47</u>	<input checked="" type="checkbox"/> Mileage <u>174</u> 269.70	Comments
(G) Final Shut-In <u>69</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2573</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

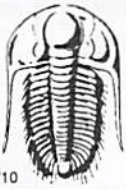
Initial Open 5
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 60

Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 1944.70
 Total 1944.70
 MP/DST Disc't

Approved By Dave Williams Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56621

Well Name & No. Hammel A #1-17 Test No. #5 Date 1/27/14
 Company McCoy Petroleum Corp Elevation 2854 KB 2843 GL
 Address 8080 # Central Ste 300, Wichita Ks 67206-2366
 Co. Rep / Geo. Dave Williams Rig Sterling #2
 Location: Sec. 17 Twp. 305 Rge. 31w Co. Haskell State Ks

Interval Tested 5540 5604 Zone Tested St. Louis A
 Anchor Length 69 Drill Pipe Run 5320 Mud Wt. 9.2
 Top Packer Depth 5535 Drill Collars Run 217' Vis 55
 Bottom Packer Depth 540 Wt. Pipe Run — WL 7.6
 Total Depth 5604 Chlorides 1750 ppm System LCM #3

Blow Description B.O.B. in 3min
No return
B.O.B. in 6min
return blow in 40min built to 1 1/2" in.

Rec	Feet of	Trace of Oil	%gas	%oil	%water	%mud
<u>144'</u>	<u>gmcw</u>	<u>Trace of Oil</u>	<u>10</u>	<u>Trace</u>	<u>50</u>	<u>40</u>
<u>248</u>	<u>gsmcw</u>	<u>Trace of Oil</u>	<u>10</u>	<u>Trace</u>	<u>80</u>	<u>10</u>
<u>558</u>	<u>gw</u>		<u>15</u>		<u>85</u>	

Rec Total 950' BHT 138° Gravity — API RW .237 @ 35° F Chlorides 59,000 ppm

(A) Initial Hydrostatic <u>2845</u>	<input checked="" type="checkbox"/> Test <u>1350</u>	T-On Location <u>17:05</u>
(B) First Initial Flow <u>136</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>17:30</u>
(C) First Final Flow <u>159</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>20:25</u>
(D) Initial Shut-In <u>1605</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>01:00</u>
(E) Second Initial Flow <u>198</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>5:55</u>
(F) Second Final Flow <u>617</u>	<input checked="" type="checkbox"/> Mileage <u>174 RT</u> <u>539.40</u>	Comments <u>loaded tools 1/29 12:15</u>
(G) Final Shut-In <u>1552</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2732</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Extra Recorder	Sub Total <u>800</u>
	<input type="checkbox"/> Day Standby <u>1d 6.25h</u>	Total <u>3014.40</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2214.40</u>	

Initial Open 5
 Initial Shut-In 60
 Final Flow 90
 Final Shut-In 120

Approved By [Signature] Our Representative [Signature]

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