



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp.**

8080 E Central Ste 300
Wichita, KS 67206

ATTN: Evan Stone

15-27s-29w Gray,KS

Richardson Trust A #1-15

Start Date: 2012.11.21 @ 17:19:41

End Date: 2012.11.22 @ 00:43:35

Job Ticket #: 50105 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.11.27 @ 10:54:00

McCoy Petroleum Corp.

Richardson Trust A #1-15

15-27s-29w Gray,KS

DST # 1

Lansing I

2012.11.21



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

Richardson Trust A #1-15
15-27s-29w Gray,KS
 Job Ticket: 50105 **DST#: 1**
 Test Start: 2012.11.21 @ 17:19:41

GENERAL INFORMATION:

Formation: **Lansing I**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:38:36
 Time Test Ended: 00:43:35
 Interval: **4433.00 ft (KB) To 4460.00 ft (KB) (TVD)**
 Total Depth: 4460.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 60
 Reference Elevations: 2752.00 ft (KB)
 2741.00 ft (CF)
 KB to GR/CF: 11.00 ft

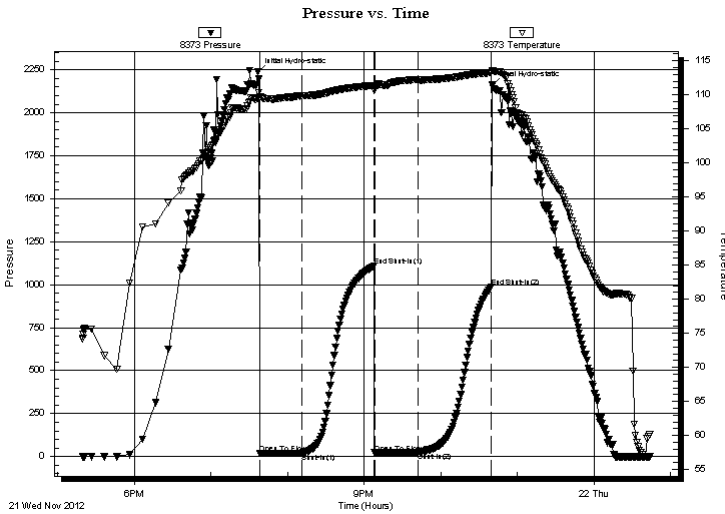
Serial #: 8373

Inside

Press @ Run Depth: 23.29 psig @ 4434.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.11.21 End Date: 2012.11.22 Last Calib.: 2012.11.22
 Start Time: 17:19:41 End Time: 00:43:35 Time On Btm: 2012.11.21 @ 19:36:36
 Time Off Btm: 2012.11.21 @ 22:40:35

TEST COMMENT: IF: 1/4" blow died in 10 min.
 IS: No return.
 FF: No blow.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2236.38	109.41	Initial Hydro-static
2	18.33	109.71	Open To Flow (1)
35	19.94	109.85	Shut-In(1)
91	1107.07	111.40	End Shut-In(1)
92	21.53	110.70	Open To Flow (2)
126	23.29	112.19	Shut-In(2)
183	985.41	113.25	End Shut-In(2)
184	2161.08	113.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corp.

Richardson Trust A #1-15

8080 E Central Ste 300
Wichita, KS 67206

15-27s-29w Gray,KS

ATTN: Evan Stone

Job Ticket: 50105

DST#: 1

Test Start: 2012.11.21 @ 17:19:41

Tool Information

Drill Pipe:	Length: 4112.00 ft	Diameter: 3.80 inches	Volume: 57.68 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: 25000.00 lb
Drill Collar:	Length: 299.00 ft	Diameter: 2.25 inches	Volume: 1.47 bbl	Weight to Pull Loose: 88000.00 lb
			<u>Total Volume: 59.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4433.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	55.00 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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Stubb	1.00			4406.00	
Shut In Tool	5.00			4411.00	
Hydraulic tool	5.00			4416.00	
Jars	5.00			4421.00	
Safety Joint	3.00			4424.00	
Packer	5.00			4429.00	28.00 Bottom Of Top Packer
Packer	4.00			4433.00	
Stubb	1.00			4434.00	
Recorder	0.00	8373	Inside	4434.00	
Recorder	0.00	8356	Outside	4434.00	
Perforations	21.00			4455.00	
Bullnose	5.00			4460.00	27.00 Bottom Packers & Anchor

Total Tool Length: 55.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corp.

Richardson Trust A #1-15

8080 E Central Ste 300
Wichita, KS 67206

15-27s-29w Gray,KS

Job Ticket: 50105

DST#: 1

ATTN: Evan Stone

Test Start: 2012.11.21 @ 17:19:41

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.76 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%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:

Serial #: 8373

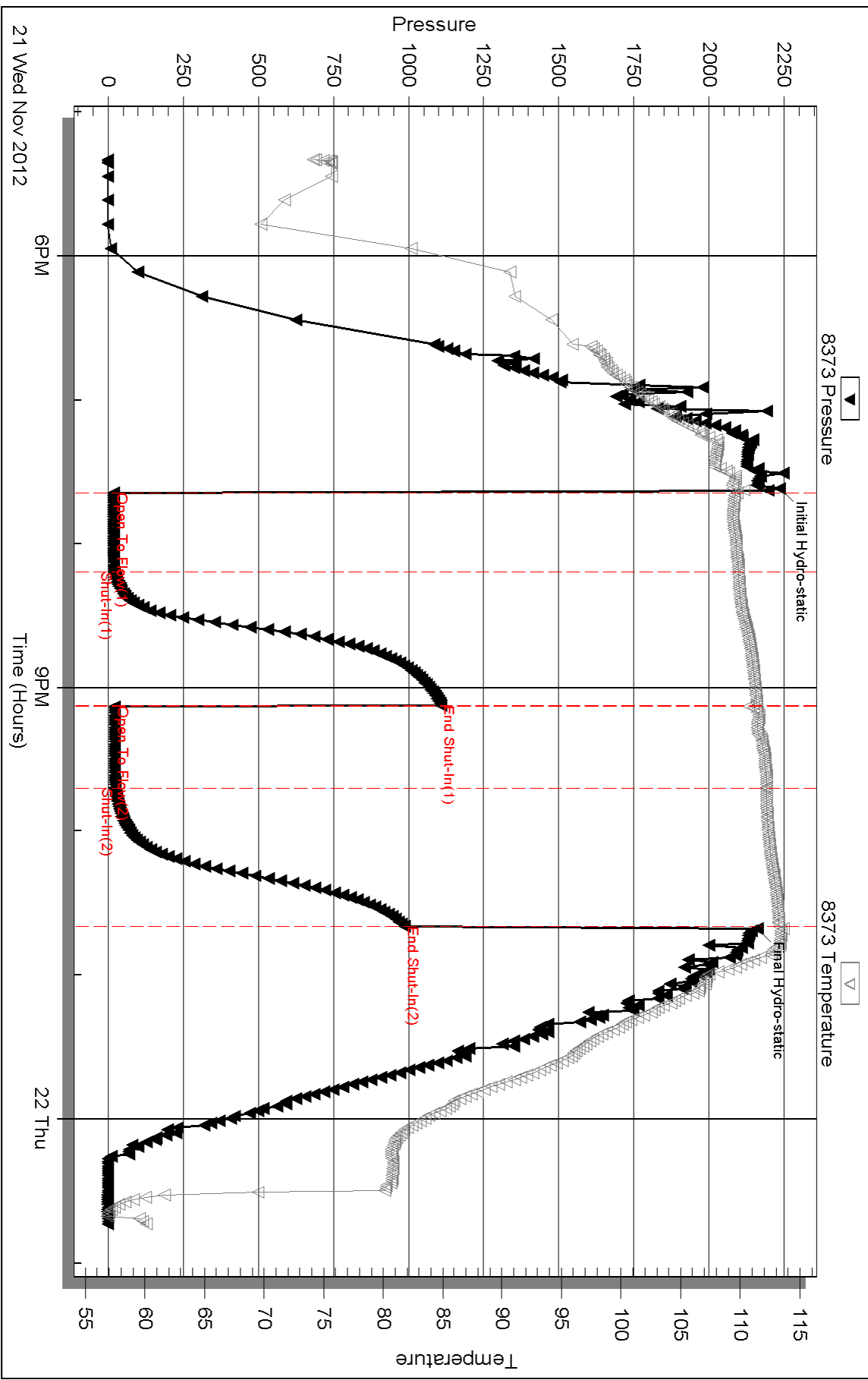
Inside

McCoy Petroleum Corp.

15-27s-29w Gray, KS

DST Test Number: 1

Pressure vs. Time

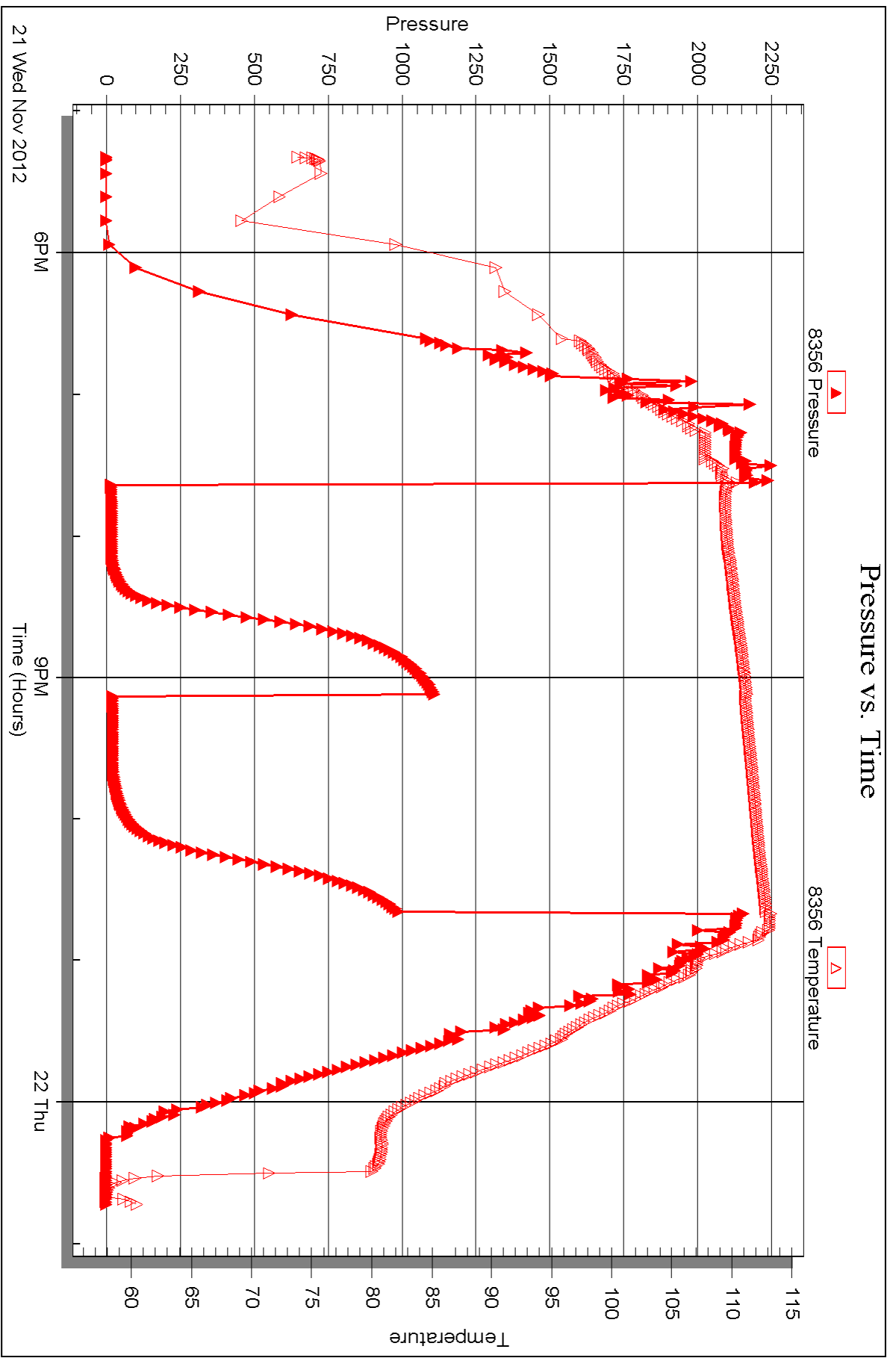


Serial #: 8356

Outside McCoy Petroleum Corp.

15-27s-29w Gray, KS

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 50105

Printed: 2012.11.27 @ 10:54:05



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp.**

8080 E Central Ste 300
Wichita, KS 67206

ATTN: Evan Stone

15-27s-29w Gray,KS

Richardson Trust A #1-15

Start Date: 2012.11.22 @ 16:20:52

End Date: 2012.11.23 @ 00:04:22

Job Ticket #: 50106 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.11.27 @ 10:53:15

McCoy Petroleum Corp.

Richardson Trust A #1-15

15-27s-29w Gray,KS

DST # 2

Lansing- KC

2012.11.22



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

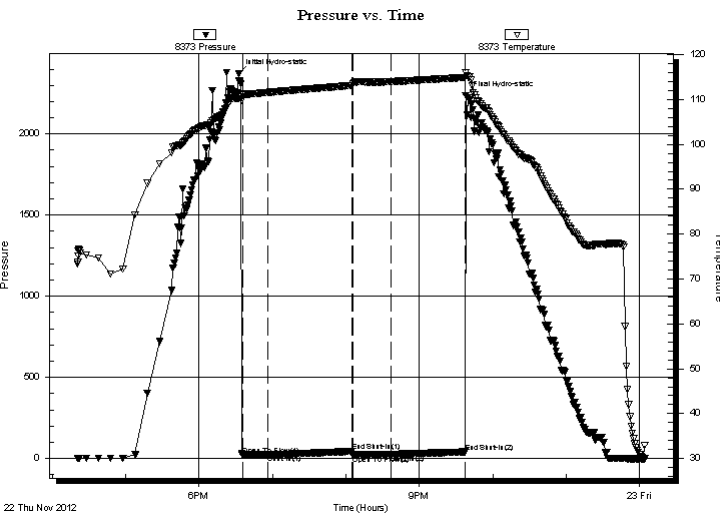
Richardson Trust A #1-15
15-27s-29w Gray,KS
 Job Ticket: 50106 **DST#: 2**
 Test Start: 2012.11.22 @ 16:20:52

GENERAL INFORMATION:

Formation: **Lansing- KC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:35:22
 Time Test Ended: 00:04:22
 Interval: **4592.00 ft (KB) To 4640.00 ft (KB) (TVD)**
 Total Depth: 4640.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 60
 Reference Elevations: 2752.00 ft (KB)
 2741.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8373 Inside
 Press @ Run Depth: 25.70 psig @ 4593.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.11.22 End Date: 2012.11.23 Last Calib.: 2012.11.22
 Start Time: 16:20:57 End Time: 00:04:21 Time On Btm: 2012.11.22 @ 18:32:22
 Time Off Btm: 2012.11.22 @ 21:37:52

TEST COMMENT: IF: 1/4" blow built to 1" died in 25 min.
 IS: No return.
 FF: No blow.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2369.50	110.26	Initial Hydro-static
3	20.14	110.99	Open To Flow (1)
24	22.89	111.59	Shut-In(1)
93	43.35	113.13	End Shut-In(1)
94	20.87	113.53	Open To Flow (2)
124	25.70	113.98	Shut-In(2)
185	40.34	114.92	End Shut-In(2)
186	2237.63	116.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	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 Corp.

Richardson Trust A #1-15

8080 E Central Ste 300
Wichita, KS 67206

15-27s-29w Gray,KS

ATTN: Evan Stone

Job Ticket: 50106

DST#: 2

Test Start: 2012.11.22 @ 16:20:52

Tool Information

Drill Pipe:	Length: 4270.00 ft	Diameter: 3.80 inches	Volume: 59.90 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:	25000.00 lb
Drill Collar:	Length: 299.00 ft	Diameter: 2.25 inches	Volume: 1.47 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 61.37 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	80000.00 lb
Depth to Top Packer:	4592.00 ft			Final	80000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	48.00 ft				
Tool Length:	76.00 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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Stubb	1.00			4565.00	
Shut In Tool	5.00			4570.00	
Hydraulic tool	5.00			4575.00	
Jars	5.00			4580.00	
Safety Joint	3.00			4583.00	
Packer	5.00			4588.00	28.00 Bottom Of Top Packer
Packer	4.00			4592.00	
Stubb	1.00			4593.00	
Recorder	0.00	8373	Inside	4593.00	
Recorder	0.00	8356	Outside	4593.00	
Perforations	8.00			4601.00	
Change Over Sub	1.00			4602.00	
Drill Pipe	32.00			4634.00	
Change Over Sub	1.00			4635.00	
Bullnose	5.00			4640.00	48.00 Bottom Packers & Anchor

Total Tool Length: 76.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

Richardson Trust A #1-15
15-27s-29w Gray,KS
Job Ticket: 50106 **DST#: 2**
Test Start: 2012.11.22 @ 16:20:52

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: 61.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.78 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3400.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%m	0.049

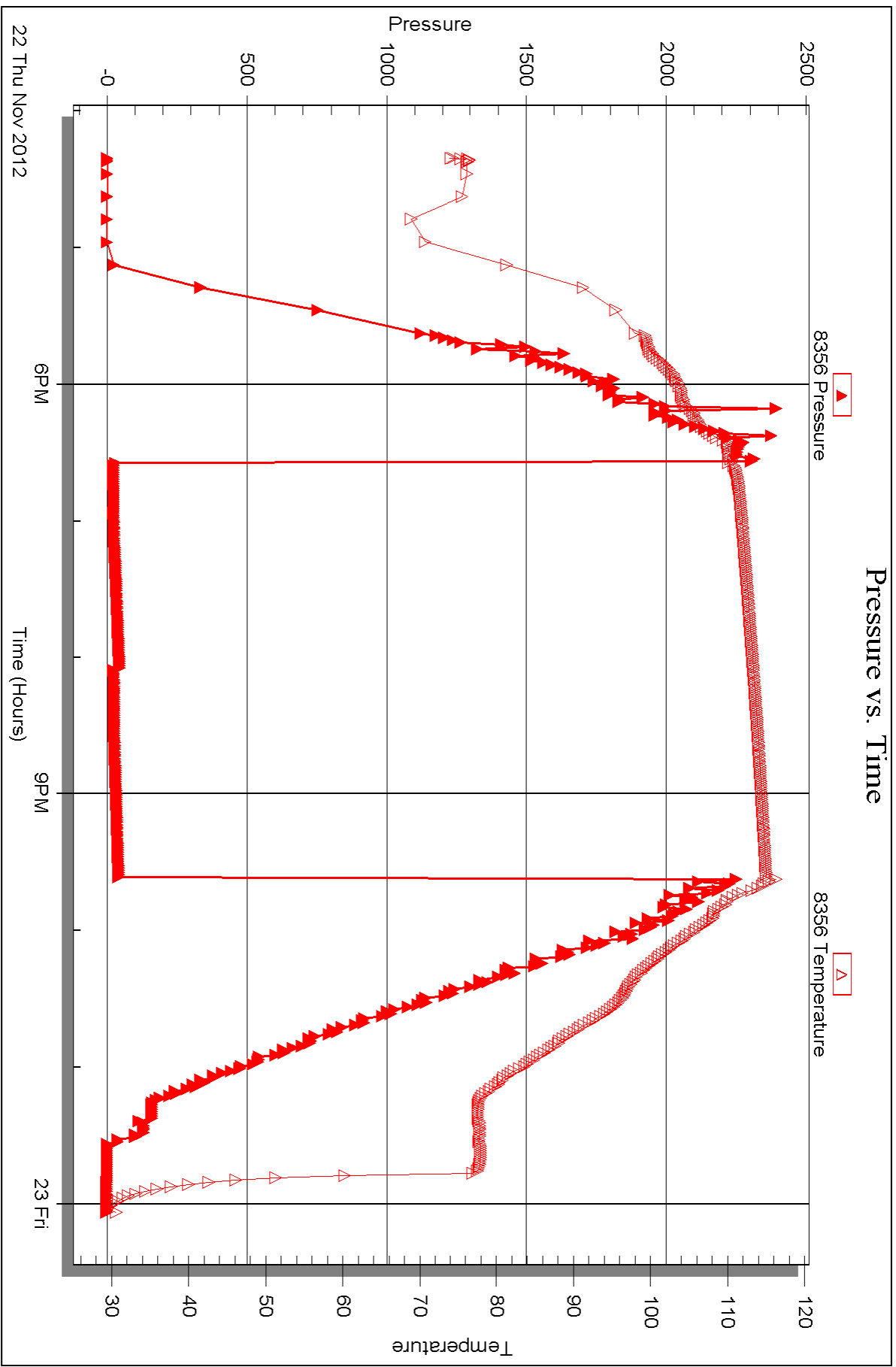
Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

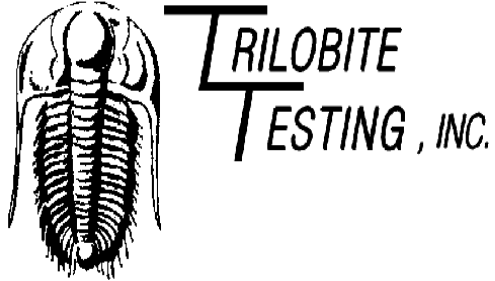
Serial #: 8356

Outside McCoy Petroleum Corp.

15-27s-29w Gray, KS

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp.**

8080 E Central Ste 300
Wichita, KS 67206

ATTN: Evan Stone

15-27s-29w Gray,KS

Richardson Trust A #1-15

Start Date: 2012.11.23 @ 18:22:53

End Date: 2012.11.24 @ 04:03:53

Job Ticket #: 50107 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.11.27 @ 10:52:28

McCoy Petroleum Corp.

Richardson Trust A #1-15

15-27s-29w Gray,KS

DST # 3

Cherokee-Atoka

2012.11.23



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

Richardson Trust A #1-15
15-27s-29w Gray,KS
Job Ticket: 50107 **DST#: 3**
Test Start: 2012.11.23 @ 18:22:53

GENERAL INFORMATION:

Formation: **Cherokee- Atoka**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:40:23
Time Test Ended: 04:03:53
Interval: **4852.00 ft (KB) To 4915.00 ft (KB) (TVD)**
Total Depth: 4915.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 60
Reference Elevations: 2752.00 ft (KB)
2741.00 ft (CF)
KB to GR/CF: 11.00 ft

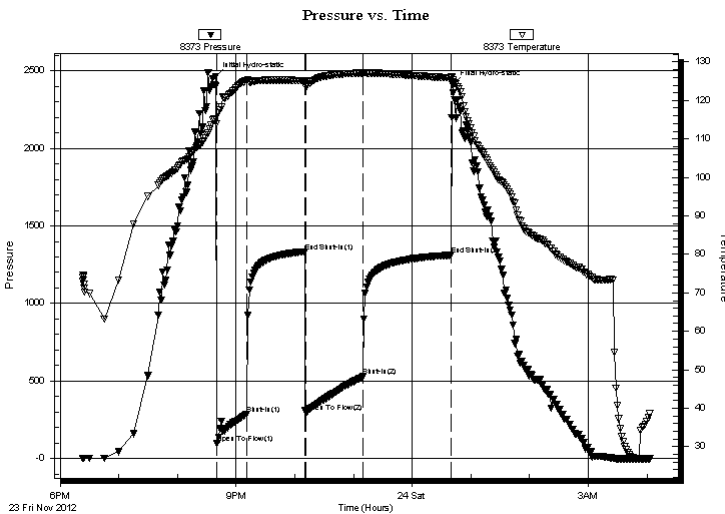
Serial #: 8373

Inside

Press @ Run Depth: 527.79 psig @ 4853.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.11.23 End Date: 2012.11.24 Last Calib.: 2012.11.24
Start Time: 18:22:58 End Time: 04:03:53 Time On Btm: 2012.11.23 @ 20:39:23
Time Off Btm: 2012.11.24 @ 00:41:23

TEST COMMENT: IF: 1/4" blow BOB in 3 min.
IS: Weak surface blow .
FF: BOB in 2 min.
FS: BOB in 13 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2463.44	115.25	Initial Hydro-static
1	98.28	113.91	Open To Flow (1)
32	288.66	125.24	Shut-In(1)
91	1334.24	125.16	End Shut-In(1)
92	300.96	123.67	Open To Flow (2)
151	527.79	127.15	Shut-In(2)
241	1312.06	125.91	End Shut-In(2)
242	2410.23	125.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
315.00	water 100%w	1.69
189.00	mcw 90%w 10%m	2.65
126.00	mw cgo 35%g 30%o 30%w 5%m	1.77
504.00	mcgo 40%g 50%o 10%m	7.07
189.00	ocm 5%o 95%m	2.65
0.00	2142 GIP	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.

Richardson Trust A #1-15

8080 E Central Ste 300
Wichita, KS 67206

15-27s-29w Gray,KS

ATTN: Evan Stone

Job Ticket: 50107

DST#: 3

Test Start: 2012.11.23 @ 18:22:53

Tool Information

Drill Pipe:	Length: 4529.00 ft	Diameter: 3.80 inches	Volume: 63.53 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:	25000.00 lb
Drill Collar:	Length: 299.00 ft	Diameter: 2.25 inches	Volume: 1.47 bbl	Weight to Pull Loose:	95000.00 lb
			<u>Total Volume: 65.00 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	84000.00 lb
Depth to Top Packer:	4852.00 ft			Final	90000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	63.00 ft				
Tool Length:	91.00 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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Stubb	1.00			4825.00	
Shut In Tool	5.00			4830.00	
Hydraulic tool	5.00			4835.00	
Jars	5.00			4840.00	
Safety Joint	3.00			4843.00	
Packer	5.00			4848.00	28.00 Bottom Of Top Packer
Packer	4.00			4852.00	
Stubb	1.00			4853.00	
Recorder	0.00	8373	Inside	4853.00	
Recorder	0.00	8356	Outside	4853.00	
Perforations	23.00			4876.00	
Change Over Sub	1.00			4877.00	
Drill Pipe	32.00			4909.00	
Change Over Sub	1.00			4910.00	
Bullnose	5.00			4915.00	63.00 Bottom Packers & Anchor

Total Tool Length: 91.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corp.

Richardson Trust A #1-15

8080 E Central Ste 300
Wichita, KS 67206

15-27s-29w Gray,KS

Job Ticket: 50107

DST#: 3

ATTN: Evan Stone

Test Start: 2012.11.23 @ 18:22:53

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

56000 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
315.00	water 100%w	1.695
189.00	mcw 90%w 10%m	2.651
126.00	mw cgo 35%g 30%o 30%w 5%m	1.767
504.00	mcgo 40%g 50%o 10%m	7.070
189.00	ocm 5%o 95%m	2.651
0.00	2142 GIP	0.000

Total Length: 1323.00 ft Total Volume: 15.834 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 28@30=31

.28@34=56000

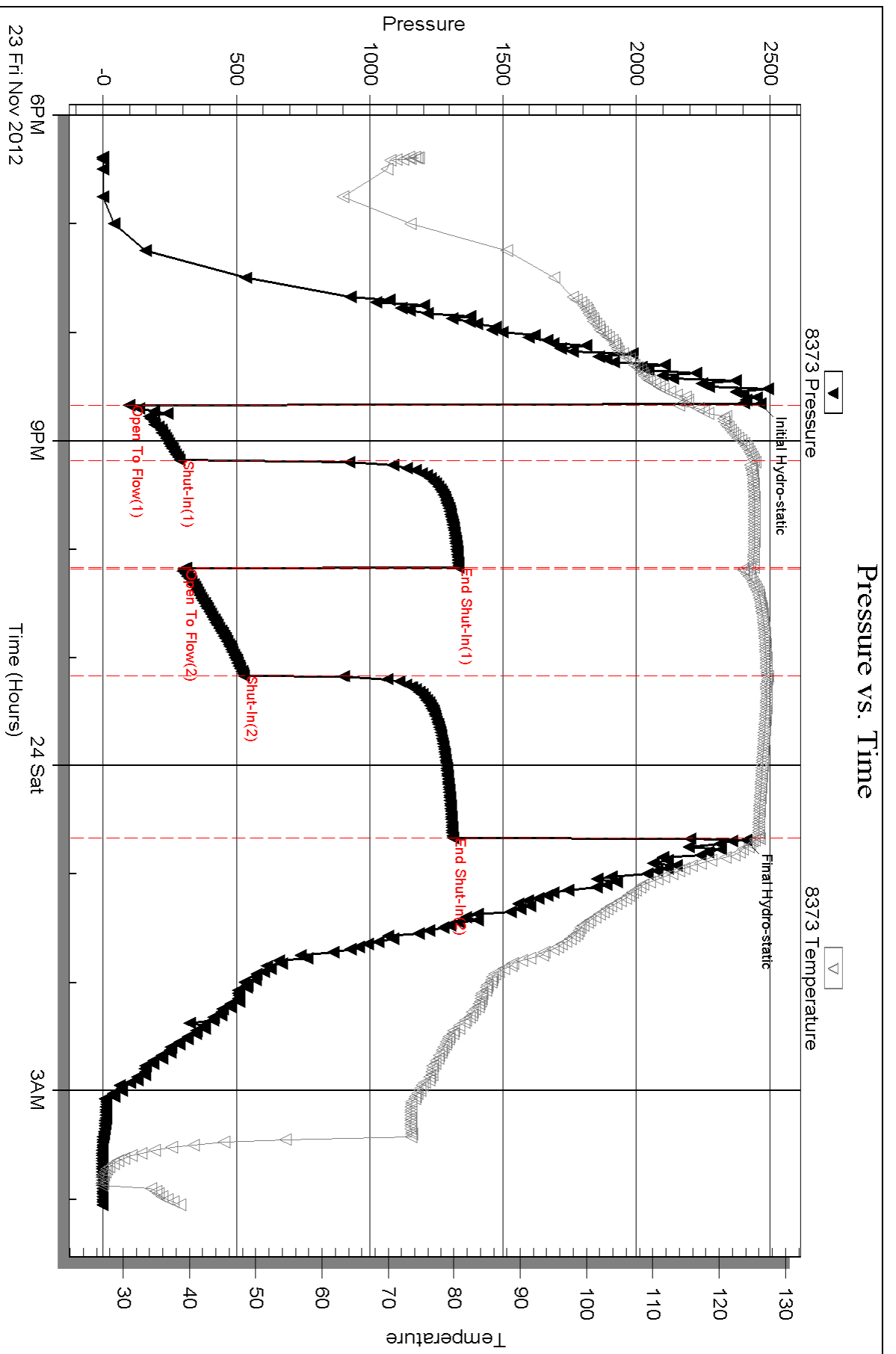
Serial #: 8373

Inside

McCoy Petroleum Corp.

15-27s-29w Gray, KS

DST Test Number: 3

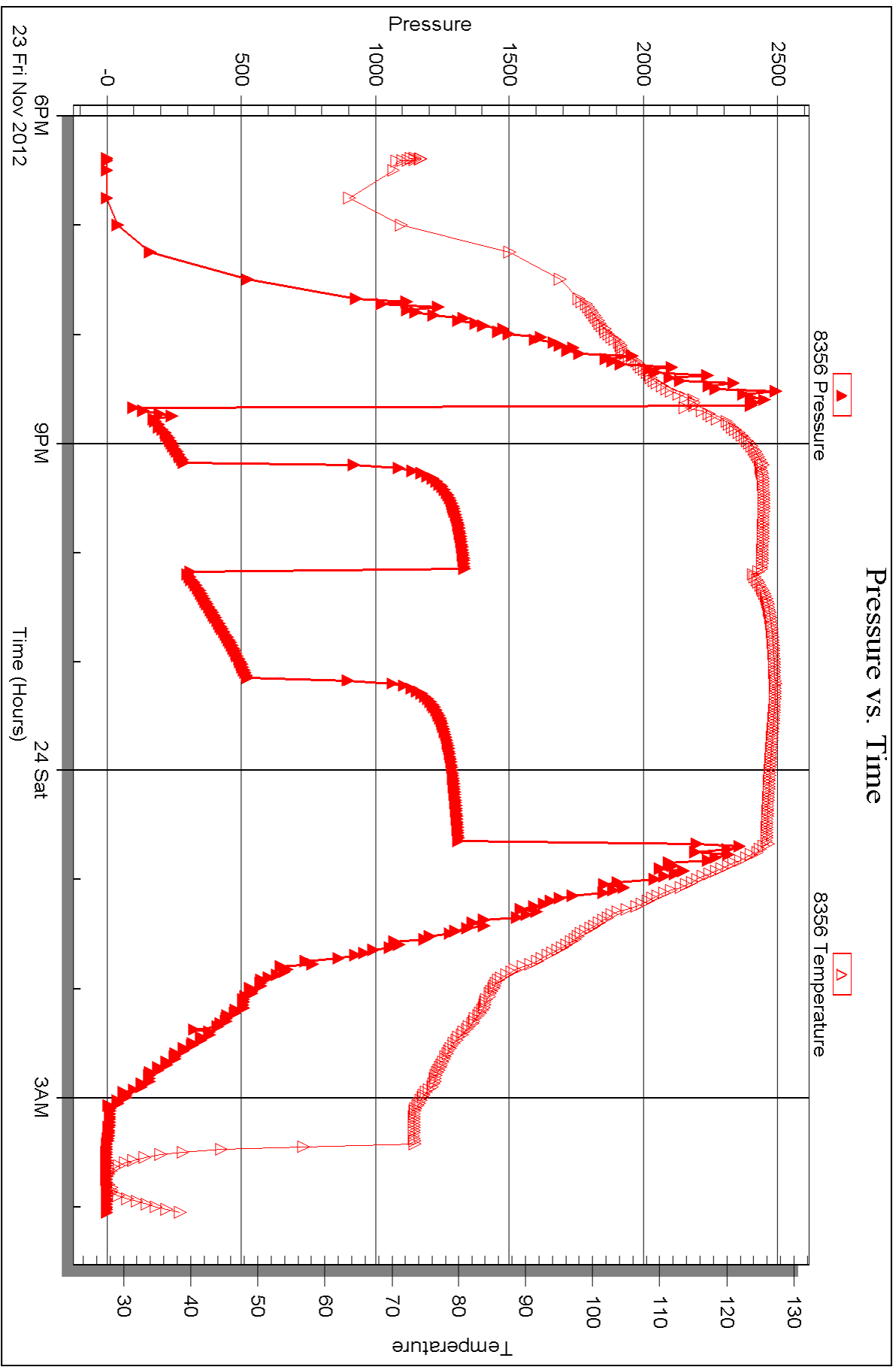


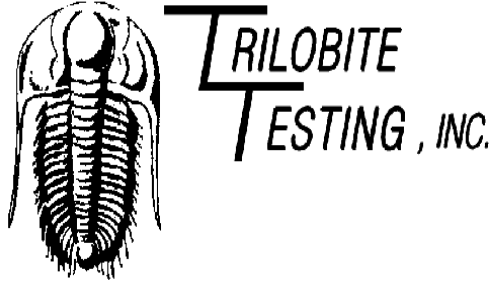
Serial #: 8356

Outside McCoy Petroleum Corp.

15-27-s-29w Gray, KS

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp.**

8080 E Central Ste 300
Wichita, KS 67206

ATTN: Evan Stone

15-27s-29w Gray,KS

Richardson Trust A #1-15

Start Date: 2012.11.24 @ 22:33:15

End Date: 2012.11.25 @ 07:35:45

Job Ticket #: 50108 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.11.27 @ 10:51:36

McCoy Petroleum Corp.

Richardson Trust A #1-15

15-27s-29w Gray,KS

DST # 4

Miss St Louis

2012.11.24



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

Richardson Trust A #1-15
15-27s-29w Gray,KS
Job Ticket: 50108 **DST#: 4**
Test Start: 2012.11.24 @ 22:33:15

GENERAL INFORMATION:

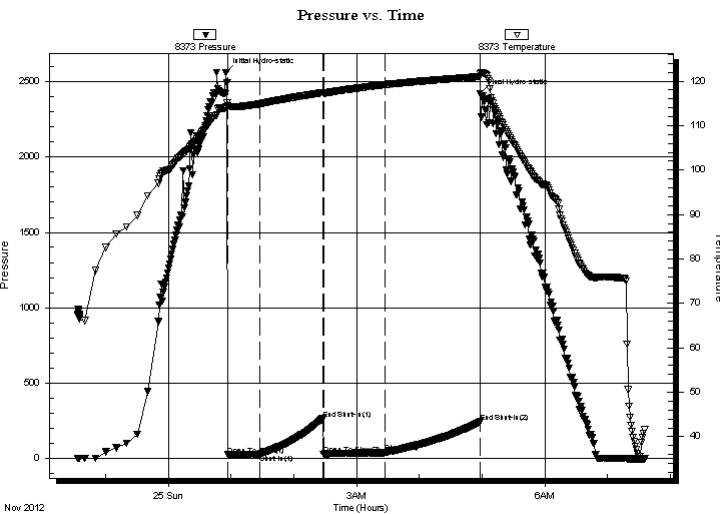
Formation: **Miss St louis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:56:45
Time Test Ended: 07:35:45
Interval: **5005.00 ft (KB) To 5050.00 ft (KB) (TVD)**
Total Depth: 5050.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 60
Reference Elevations: 2752.00 ft (KB)
2741.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8373

Inside

Press @ Run Depth: 38.99 psig @ 5006.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.11.24 End Date: 2012.11.25 Last Calib.: 2012.11.25
Start Time: 22:33:20 End Time: 07:35:45 Time On Btm: 2012.11.25 @ 00:55:15
Time Off Btm: 2012.11.25 @ 04:58:15

TEST COMMENT: IF: Weak blow built to 1"
IS: No return.
FF: 1" blow built to 6"
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2561.65	114.32	Initial Hydro-static
2	23.29	114.38	Open To Flow (1)
32	29.65	114.90	Shut-In(1)
92	263.35	117.42	End Shut-In(1)
93	26.06	117.30	Open To Flow (2)
152	38.99	119.20	Shut-In(2)
243	243.47	121.05	End Shut-In(2)
243	2423.27	121.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	ocm 10%o 90%m	0.15
0.00	210 GIP	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.

Richardson Trust A #1-15

8080 E Central Ste 300
Wichita, KS 67206

15-27s-29w Gray,KS

ATTN: Evan Stone

Job Ticket: 50108

DST#: 4

Test Start: 2012.11.24 @ 22:33:15

Tool Information

Drill Pipe:	Length: 4688.00 ft	Diameter: 3.80 inches	Volume: 65.76 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:	25000.00 lb
Drill Collar:	Length: 299.00 ft	Diameter: 2.25 inches	Volume: 1.47 bbl	Weight to Pull Loose:	110000.0 lb
			<u>Total Volume: 67.23 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	85000.00 lb
Depth to Top Packer:	5005.00 ft			Final	85000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	45.00 ft				
Tool Length:	73.00 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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Stubb	1.00			4978.00	
Shut In Tool	5.00			4983.00	
Hydraulic tool	5.00			4988.00	
Jars	5.00			4993.00	
Safety Joint	3.00			4996.00	
Packer	5.00			5001.00	28.00 Bottom Of Top Packer
Packer	4.00			5005.00	
Stubb	1.00			5006.00	
Recorder	0.00	8373	Inside	5006.00	
Recorder	0.00	8356	Outside	5006.00	
Perforations	5.00			5011.00	
Change Over Sub	1.00			5012.00	
Drill Pipe	32.00			5044.00	
Change Over Sub	1.00			5045.00	
Bullnose	5.00			5050.00	45.00 Bottom Packers & Anchor

Total Tool Length: 73.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corp.

Richardson Trust A #1-15

8080 E Central Ste 300
Wichita, KS 67206

15-27s-29w Gray,KS

Job Ticket: 50108

DST#: 4

ATTN: Evan Stone

Test Start: 2012.11.24 @ 22:33:15

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	ocm 10%o 90%m	0.148
0.00	210 GIP	0.000

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

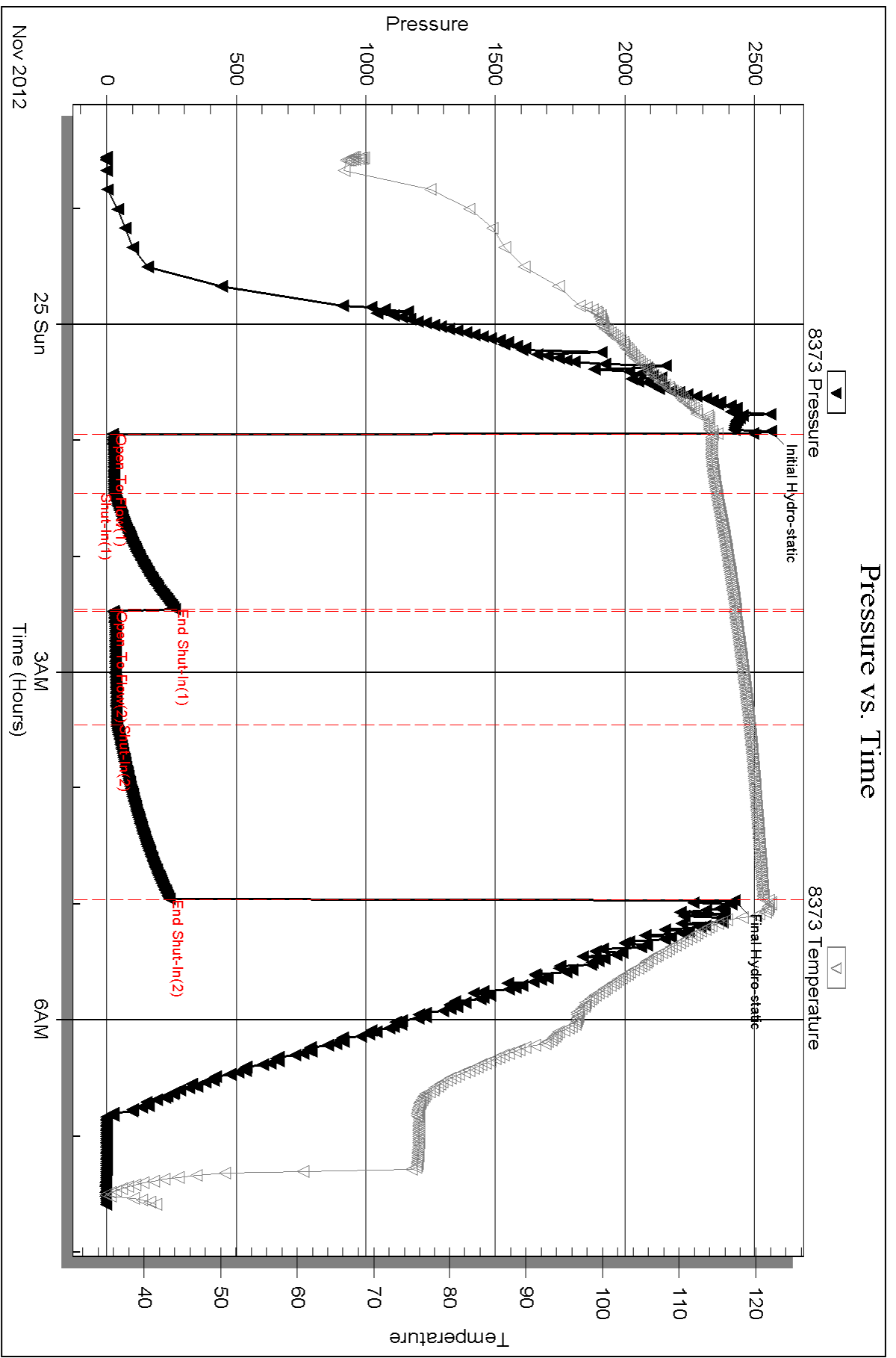
Serial #: 8373

Inside

McCoy Petroleum Corp.

15-27-s-29w Gray, KS

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 50108

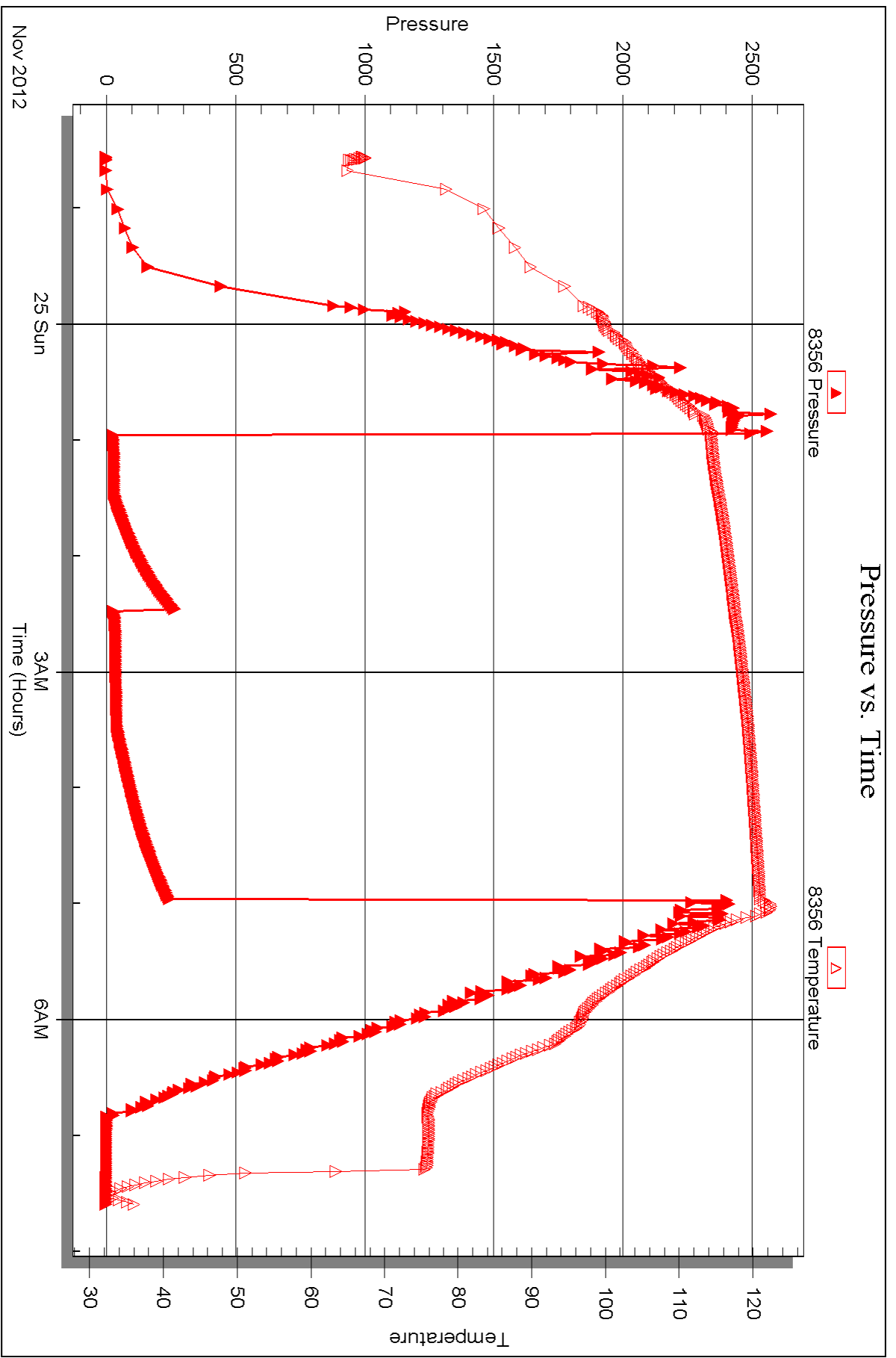
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Serial #: 8356

Outside McCoy Petroleum Corp.

15-27s-29w Gray, KS

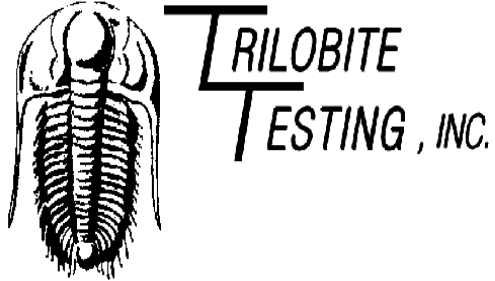
DST Test Number: 4



Triobite Testing, Inc

Ref. No: 50108

Printed: 2012.11.27 @ 10:51:41



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp.**

8080 E Central Ste 300
Wichita, KS 67206

ATTN: Evan Stone

15-27s-29w Gray,KS

Richardson Trust A #1-15

Start Date: 2012.11.25 @ 16:08:18

End Date: 2012.11.25 @ 23:57:48

Job Ticket #: 50109 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.11.27 @ 10:50:35



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

Richardson Trust A #1-15
15-27s-29w Gray,KS
 Job Ticket: 50109 **DST#: 5**
 Test Start: 2012.11.25 @ 16:08:18

GENERAL INFORMATION:

Formation: **Miss St. Louis**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:22:48
 Time Test Ended: 23:57:48
 Interval: **5050.00 ft (KB) To 5070.00 ft (KB) (TVD)**
 Total Depth: 5070.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 60
 Reference Elevations: 2752.00 ft (KB)
 2741.00 ft (CF)
 KB to GR/CF: 11.00 ft

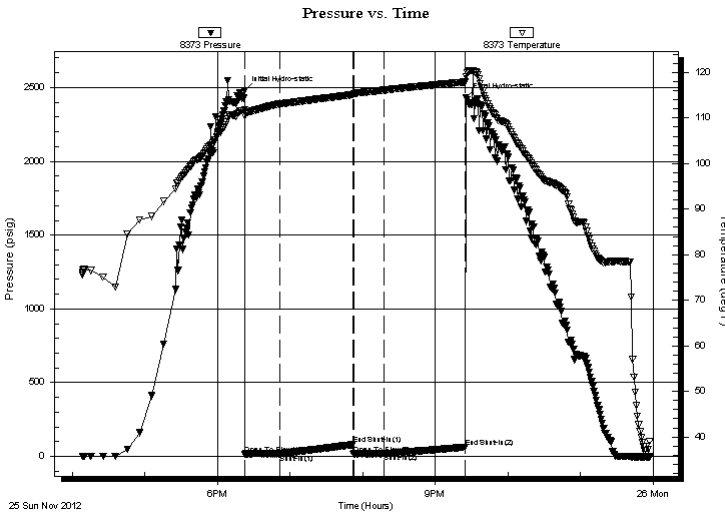
Serial #: 8373

Inside

Press @ Run Depth: 20.35 psig @ 5051.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.11.25 End Date: 2012.11.25 Last Calib.: 2012.11.25
 Start Time: 16:08:23 End Time: 23:57:47 Time On Btm: 2012.11.25 @ 18:22:18
 Time Off Btm: 2012.11.25 @ 21:25:18

TEST COMMENT: IF: Surface blow died in 6 min.
 IS: No return.
 FF: No blow.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2480.66	111.84	Initial Hydro-static
1	16.32	110.49	Open To Flow (1)
30	18.11	113.10	Shut-In(1)
90	80.23	115.12	End Shut-In(1)
90	12.58	115.10	Open To Flow (2)
115	20.35	116.10	Shut-In(2)
183	63.47	117.90	End Shut-In(2)
183	2430.94	119.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	ocm 5%o 95%m	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 Corp.

Richardson Trust A #1-15

8080 E Central Ste 300
Wichita, KS 67206

15-27s-29w Gray,KS

ATTN: Evan Stone

Job Ticket: 50109

DST#: 5

Test Start: 2012.11.25 @ 16:08:18

Tool Information

Drill Pipe:	Length: 4747.00 ft	Diameter: 3.80 inches	Volume: 66.59 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: 25000.00 lb
Drill Collar:	Length: 299.00 ft	Diameter: 2.25 inches	Volume: 1.47 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 68.06 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 86000.00 lb
Depth to Top Packer:	5050.00 ft			Final 86000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	48.00 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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Stubb	1.00			5023.00	
Shut In Tool	5.00			5028.00	
Hydraulic tool	5.00			5033.00	
Jars	5.00			5038.00	
Safety Joint	3.00			5041.00	
Packer	5.00			5046.00	28.00 Bottom Of Top Packer
Packer	4.00			5050.00	
Stubb	1.00			5051.00	
Recorder	0.00	8373	Inside	5051.00	
Recorder	0.00	8356	Outside	5051.00	
Perforations	14.00			5065.00	
Bullnose	5.00			5070.00	20.00 Bottom Packers & Anchor

Total Tool Length: 48.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

Richardson Trust A #1-15
15-27s-29w Gray,KS
Job Ticket: 50109 **DST#: 5**
Test Start: 2012.11.25 @ 16:08:18

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: 65.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.38 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	ocm 5%o 95%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:

Serial #: 8373

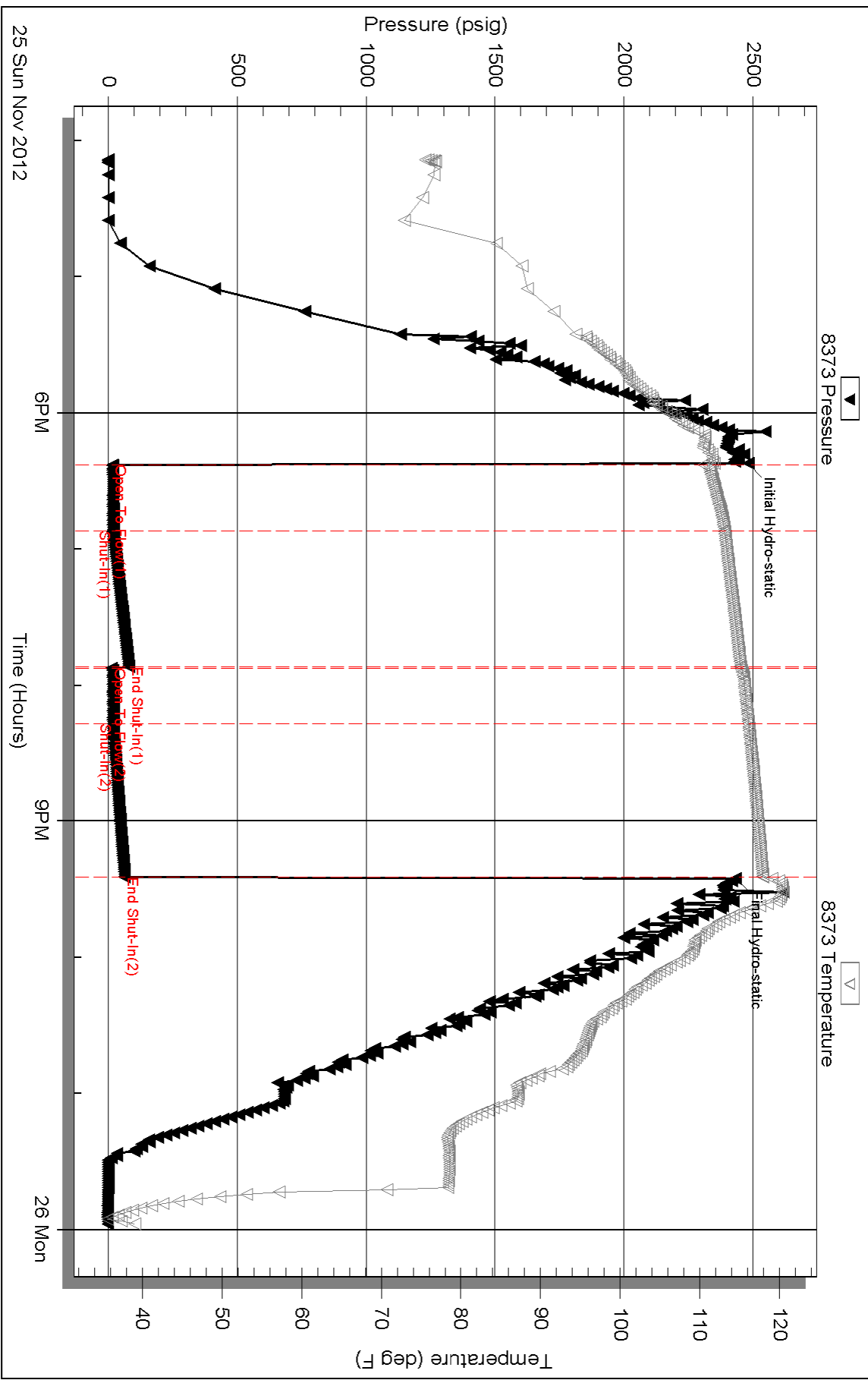
Inside

McCoy Petroleum Corp.

15-27s-29w Gray, KS

DST Test Number: 5

Pressure vs. Time

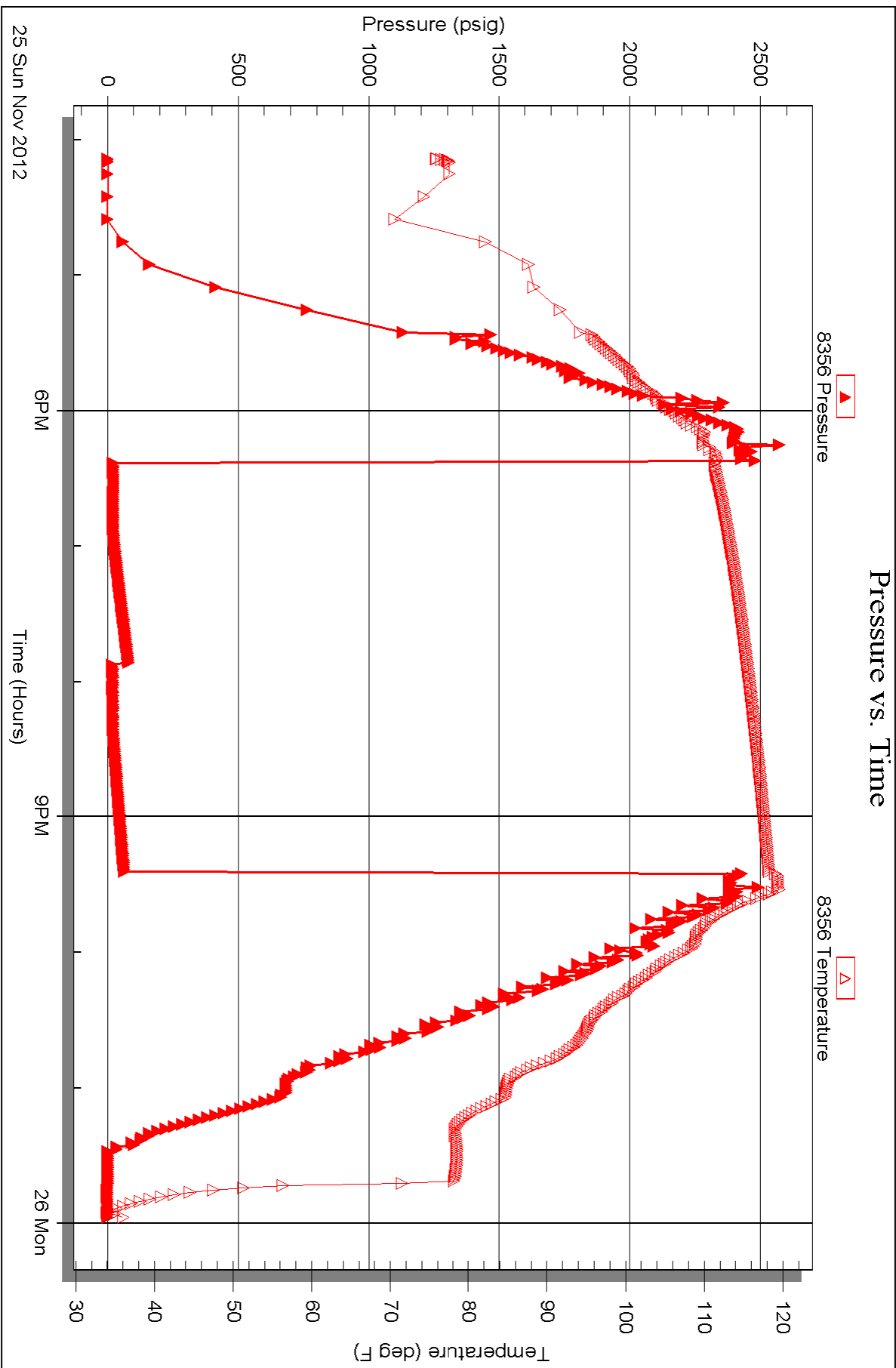


Serial #: 8356

Outside McCoy Petroleum Corp.

15-27s-29w Gray, KS

DST Test Number: 5





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50105

Well Name & No. Richardson Trust A1-15 Test No. 1 Date 11-21-12
 Company McLoy Petroleum Corp. Elevation 2752 KB 2741 GL
 Address 8080 E Central St 300 Wichita, KS 67206
 Co. Rep / Geo. Even Stone Rig Sterling #5
 Location: Sec. 15 Twp. 27 Rge. 29 Co. Gray State KS

Interval Tested 4433 4460 Zone Tested Lensing F
 Anchor Length 27 Drill Pipe Run 4112 Mud Wt. 9.1
 Top Packer Depth 4428 Drill Collars Run 299 Vis 58
 Bottom Packer Depth 4433 Wt. Pipe Run — WL 10.8
 Total Depth 4460 Chlorides 3400 ppm System LCM 2

Blow Description IF: 1/4 blow died for 10 min.
IS: No return.
FF: No blow.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</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 Total 5 BHT 113 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2236 Test 1250 T-On Location 3:45
 (B) First Initial Flow 18 Jars 250 T-Started 17:19
 (C) First Final Flow 19 Safety Joint 75 T-Open 19:38
 (D) Initial Shut-In 1107 Circ Sub N/L T-Pulled 22:38
 (E) Second Initial Flow 21 Hourly Standby — T-Out 00:45
 (F) Second Final Flow 23 Mileage 152- 235.60
 (G) Final Shut-In 985 Sampler —
 (H) Final Hydrostatic 2161 Straddle —

Initial Open 30 Shale Packer — Ruined Shale Packer —
 Initial Shut-In 60 Extra Packer — Ruined Packer —
 Final Flow 30 Extra Recorder — Sub Total 0
 Final Shut-In 60 Day Standby — Total 1810.60
 Accessibility — MP/DST Disc't —
 Sub Total 1810.60

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. 50106

Well Name & No. Richardson Trust A 1-15 Test No. 2 Date 11-22-12
 Company McCoy Petroleum Elevation 2752 KB 2741 GL
 Address _____
 Co. Rep / Geo. Evan Stone Rig sterling #5
 Location: Sec. 15 Twp. 27 Rge. 29 Co. Grady State KS

Interval Tested 4592 4640 Zone Tested Lensing-KC
 Anchor Length 48 Drill Pipe Run 4270 Mud Wt. 9.2
 Top Packer Depth 4587 Drill Collars Run 299 Vis 61
 Bottom Packer Depth 4592 Wt. Pipe Run _____ WL 8.8
 Total Depth 4640 Chlorides 3400 ppm System LCM 2

Blow Description IF: 1/4 blow built to 1 in 10 min. Died in 25 min.
IS: No return.
FF: No blow.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>mud</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 Total 10 BHT 114 Gravity _____ API RW _____ @ _____ F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2369</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>15:15</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>16:20</u>
(C) First Final Flow <u>22</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>18:18</u>
(D) Initial Shut-In <u>43</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIL</u>	T-Pulled <u>21:18</u>
(E) Second Initial Flow <u>20</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>23:55</u>
(F) Second Final Flow <u>25</u>	<input checked="" type="checkbox"/> Mileage <u>152</u> - 235.60	Comments _____
(G) Final Shut-In <u>40</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>2237</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 60

Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 1810.60

MP/DST Disc't _____

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. 50107

Well Name & No. Richardson Trust A1-15 Test No. 3 Date 11-23-12
 Company McGoy Petroleum Elevation 2752 KB 2741 GL
 Address _____
 Co. Rep / Geo. EUM Stone Rig Sterling #5
 Location: Sec. 15 Twp. 27 Rge. 29 Co. Gray State K5

Interval Tested 4852 4915 Zone Tested Cherokee - Atoka
 Anchor Length 63 Drill Pipe Run 4529 Mud Wt. 9.4
 Top Packer Depth 4847 Drill Collars Run 299 Vis 61
 Bottom Packer Depth 4852 Wt. Pipe Run _____ WL 8.4
 Total Depth 4915 Chlorides 4700 ppm System LCM 2
 Blow Description IF: 1/4 blow ~~1/2~~ BOB in 3 min.
IS: ~~1/2~~ weak surface blow.
FF: BOB in 2 min.
FS: BOB in 13 min.

Rec	Feet of	%gas	%oil	%water	%mud
189	ocm	5		95	
564	mcgo	40	50	10	
126	mwcgo	35	30	5	
189	mcw		90	10	
315	water		100		

Rec Total 1323 BHT 125 Gravity 31 API RW .28 @ 34° F Chlorides 56,000 ppm
 (A) Initial Hydrostatic 2463 Test 1250 T-On Location 18:00
 (B) First Initial Flow 98 Jars 250 T-Started 18:22
 (C) First Final Flow 288 Safety Joint 75 T-Open 20:38
 (D) Initial Shut-In 1334 Circ Sub N/C T-Pulled 06:38
 (E) Second Initial Flow 300 Hourly Standby 14-25.00 T-Out 4:15
 (F) Second Final Flow 527 Mileage 152 - 235.60 Comments 2142 GTP
 (G) Final Shut-In 1312 Sampler _____ H2S in fluid
 (H) Final Hydrostatic 2410 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1835.60
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1835.60

Initial Open 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 90

Approved By _____ Our Representative _____

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50108

Well Name & No. Richardson Trust A 1-15 Test No. 4 Date 11-24-12
 Company McCoy Petroleum Elevation 2752 KB 2741 GL
 Address _____
 Co. Rep / Geo. Eum Stone Rig Sterling #5
 Location: Sec. 15 Twp. 27 Rge. 29 Co. Gray State KS

Interval Tested 5005 5050 Zone Tested MISS St Louis
 Anchor Length 45 Drill Pipe Run 4688 Mud Wt. 9.1
 Top Packer Depth 5000 Drill Collars Run 299 Vis 60
 Bottom Packer Depth 5005 Wt. Pipe Run — WL 7.2
 Total Depth 5050 Chlorides 2800 ppm System LCM 2

Blow Description IF: Weak blow built to 1,
IS: No return.
FF: 1" blow built to 6.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>ocm</u>	<u>10</u>		<u>90</u>	
	<u>210 GIP</u>				

Rec Total 30 BHT 121 Gravity — API RW — @ —° F Chlorides — ppm

(A) Initial Hydrostatic <u>2561</u>	<input checked="" type="checkbox"/> Test 1350	T-On Location <u>22:15</u>
(B) First Initial Flow <u>23</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>22:33</u>
(C) First Final Flow <u>29</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>00:55</u>
(D) Initial Shut-In <u>263</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>4:55</u>
(E) Second Initial Flow <u>26</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>7:40</u>
(F) Second Final Flow <u>38</u>	<input checked="" type="checkbox"/> Mileage <u>152 - 235.60</u>	Comments _____
(G) Final Shut-In <u>243</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2423</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 90

Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Sub Total 1910.60

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.



TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50109

Well Name & No. Richardson Trust A1-15 Test No. 5 Date 11-25-12
 Company McCoy Petroleum Elevation 2752 KB 2741 GL
 Address _____
 Co. Rep / Geo. Eum Stone Rig sterling #5
 Location: Sec. 15 Twp. 27 Rge. 29 Co. Gray State KS

Interval Tested 5050 5070 Zone Tested Miss St. Louis
 Anchor Length 20 Drill Pipe Run 4747 Mud Wt. 8.9
 Top Packer Depth 5045 Drill Collars Run 299 Vis 8.4
 Bottom Packer Depth 5050 Wt. Pipe Run — WL 8.4
 Total Depth 5070 Chlorides 3000 ppm System LCM 2

Blow Description IF: surface blow died in 6 min.
FS: No return.
FF: No blow.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>OCM</u>	<u>5</u>		<u>95</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 5 BHT 117 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2480</u>	<input checked="" type="checkbox"/> Test 1350	T-On Location <u>15:35</u>
(B) First Initial Flow <u>16</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>16:08</u>
(C) First Final Flow <u>18</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>18:22</u>
(D) Initial Shut-In <u>80</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>21:22</u>
(E) Second Initial Flow <u>12</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>20:00</u>
(F) Second Final Flow <u>20</u>	<input checked="" type="checkbox"/> Mileage <u>152-x2</u> 471.20	Comments _____
(G) Final Shut-In <u>63</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2430</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 60

Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Ruined Packer 320
 Extra Copies
 Sub Total 320
 Total 2466.20
 MP/DST Disc't _____

Sub Total 2146.20

Approved By [Signature] Our Representative [Signature]

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