



## DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp**

8080 E Central Ste 300  
Wichita KS 67206

ATTN: Robert Hendrix

### **Farr Trust 'A' #1-12**

#### **12-7s-19w Rooks Co. KS**

Start Date: 2012.10.07 @ 14:36:00

End Date: 2012.10.07 @ 21:01:09

Job Ticket #: 50210                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.11 @ 14:56:56



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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

**12-7s-19w Rooks Co. KS**

**Farr Trust 'A' #1-12**

Job Ticket: 50210      **DST#: 1**  
 Test Start: 2012.10.07 @ 14:36:00

## GENERAL INFORMATION:

Formation: **Toronto, LKC A - C**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 16:25:10  
 Time Test Ended: 21:01:09  
 Interval: **3096.00 ft (KB) To 3193.00 ft (KB) (TVD)**  
 Total Depth: 3193.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Will MacLean  
 Unit No: 40  
 Reference Elevations: 1937.00 ft (KB)  
 1932.00 ft (CF)  
 KB to GR/CF: 5.00 ft

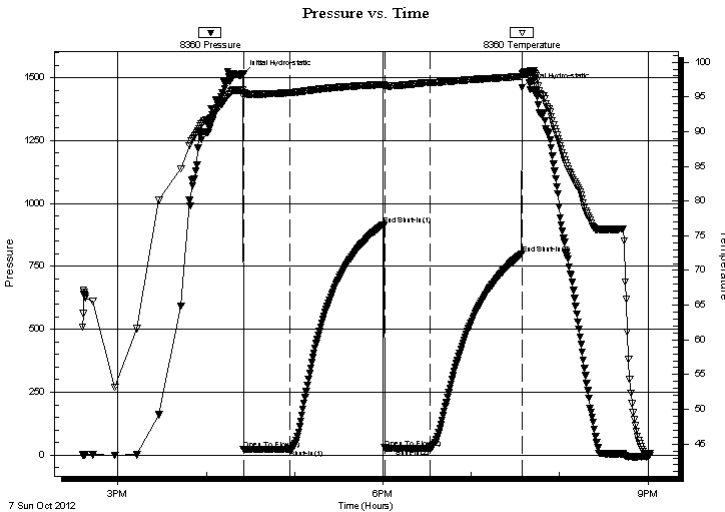
## Serial #: 8360

Inside

Press @ Run Depth: 27.79 psig @ 3097.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2012.10.07      End Date: 2012.10.07      Last Calib.: 2012.10.07  
 Start Time: 14:36:00      End Time: 21:01:09      Time On Btm: 2012.10.07 @ 16:24:55  
 Time Off Btm: 2012.10.07 @ 19:34:39

TEST COMMENT: IF- Weak Surface Blow  
 IS- No Blow  
 FF- No Blow  
 FS- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1513.96	95.96	Initial Hydro-static
1	21.41	95.00	Open To Flow (1)
32	24.52	95.59	Shut-In(1)
95	915.63	96.78	End Shut-In(1)
97	28.33	96.45	Open To Flow (2)
127	27.79	97.03	Shut-In(2)
190	800.99	97.94	End Shut-In(2)
190	1461.93	98.38	Final Hydro-static

## Recovery

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

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

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

**12-7s-19w Rooks Co. KS**  
**Farr Trust 'A' #1-12**  
Job Ticket: 50210      **DST#: 1**  
Test Start: 2012.10.07 @ 14:36:00

**Tool Information**

Drill Pipe:	Length: 3075.00 ft	Diameter: 3.80 inches	Volume: 43.13 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: 24000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 6000.00 lb
			<u>Total Volume: 43.28 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3096.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	97.00 ft			
Tool Length:	119.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Change Over Sub	1.00			3075.00	
Shut In Tool	5.00			3080.00	
Hydraulic tool	5.00			3085.00	
Safety Joint	2.00			3087.00	
Packer	5.00			3092.00	22.00      Bottom Of Top Packer
Packer	4.00			3096.00	
Stubb	1.00			3097.00	
Recorder	0.00	8360	Inside	3097.00	
Recorder	0.00	8353	Outside	3097.00	
Perforations	28.00			3125.00	
Change Over Sub	1.00			3126.00	
Drill Pipe	63.00			3189.00	
Change Over Sub	1.00			3190.00	
Bullnose	3.00			3193.00	97.00      Bottom Packers & Anchor

**Total Tool Length: 119.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**12-7s-19w Rooks Co. KS**  
**Farr Trust 'A' #1-12**  
Job Ticket: 50210      **DST#: 1**  
Test Start: 2012.10.07 @ 14:36:00

## 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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.36 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1300.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% mud	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

Serial #: 8360

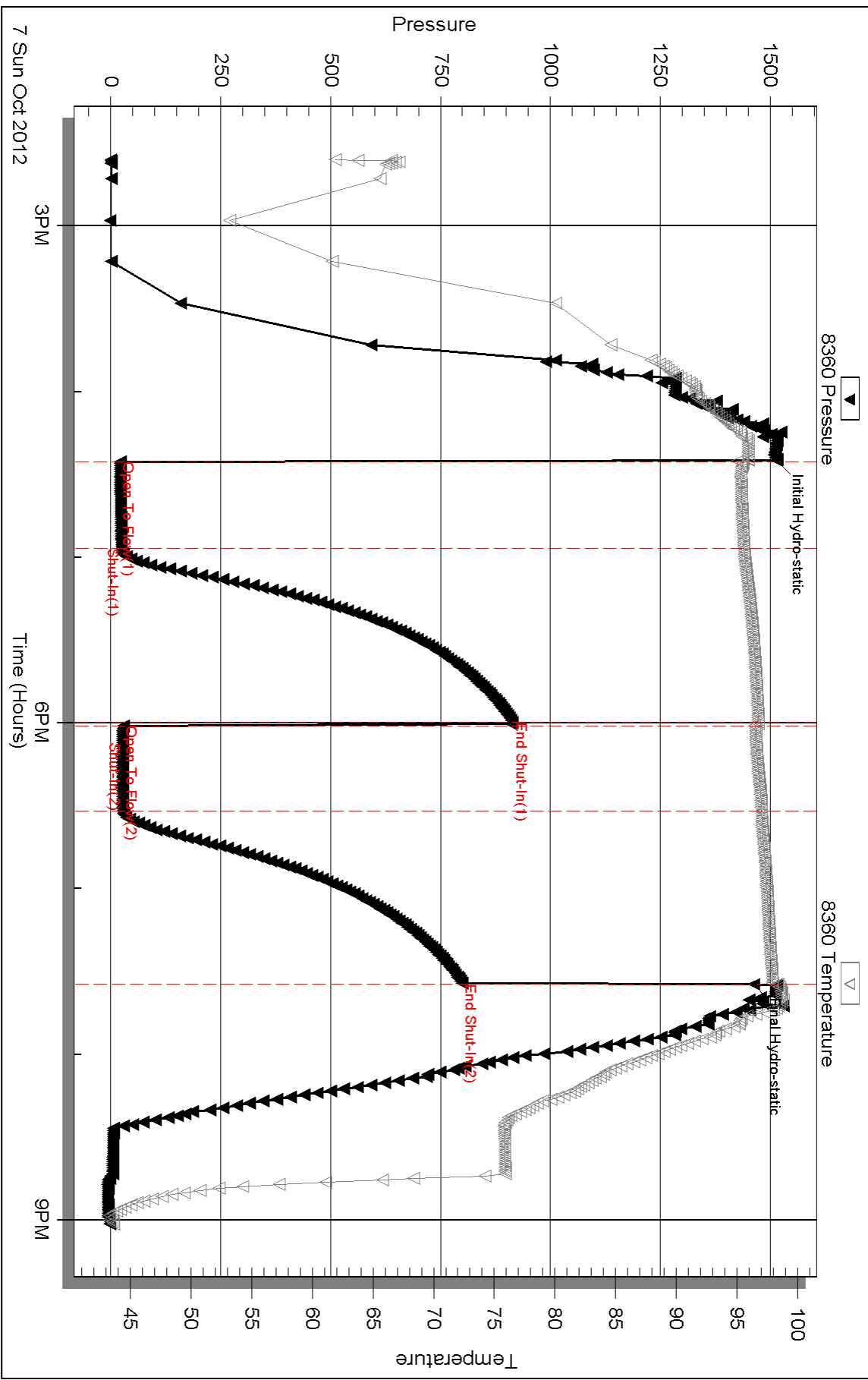
Inside

McCoy Petroleum Corp

Fair Trust A' #1-12

DST Test Number: 1

# Pressure vs. Time



Triobite Testing, Inc

Ref. No: 50210

Printed: 2012.10.11 @ 14:57:00

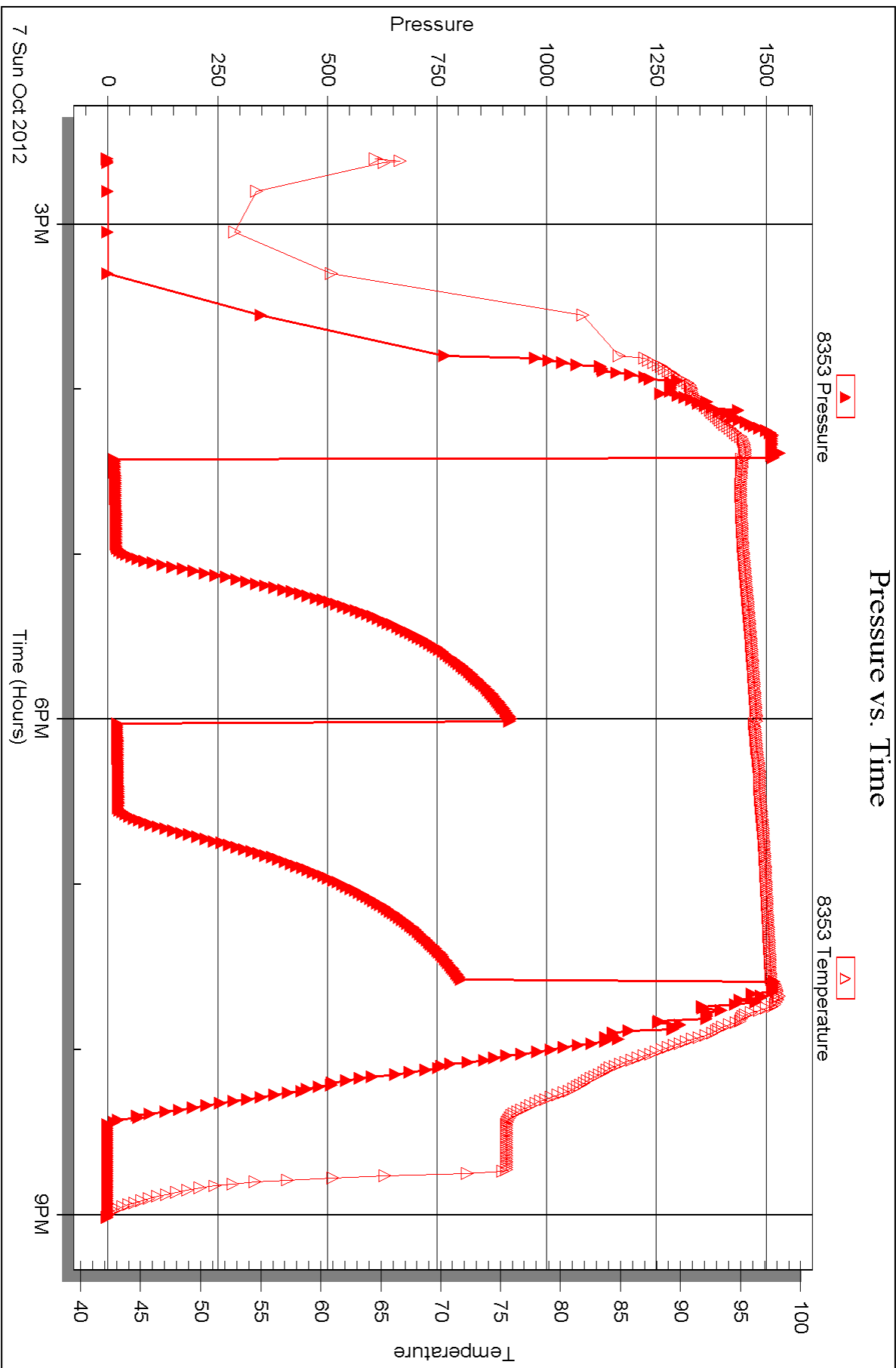
Serial #: 8353

Outside

McCoy Petroleum Corp

Fair Trust 'A' #1-12

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp**

8080 E Central Ste 300  
Wichita KS 67206

ATTN: Robert Hendrix

### **Farr Trust 'A' #1-12**

### **12-7s-19w Rooks Co. KS**

Start Date: 2012.10.08 @ 05:40:00

End Date: 2012.10.08 @ 13:07:09

Job Ticket #: 50211                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.11 @ 14:56:10





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

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

**12-7s-19w Rooks Co. KS**

**Farr Trust 'A' #1-12**

Job Ticket: 50211      **DST#: 2**  
Test Start: 2012.10.08 @ 05:40:00

## GENERAL INFORMATION:

Formation: **LKC " E - F "**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 07:27:10  
Time Test Ended: 13:07:09  
Interval: **3206.00 ft (KB) To 3238.00 ft (KB) (TVD)**  
Total Depth: 3193.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Reference Elevations: 1937.00 ft (KB)  
1932.00 ft (CF)  
KB to GR/CF: 5.00 ft  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Will MacLean  
Unit No: 40

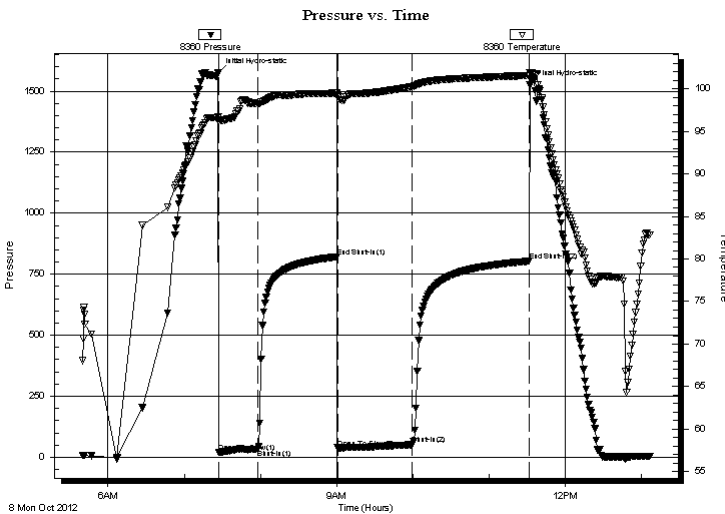
## Serial #: 8360

Inside

Press @ Run Depth: 51.79 psig @ 3207.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.10.08      End Date: 2012.10.08      Last Calib.: 2012.10.08  
Start Time: 05:40:00      End Time: 13:07:09      Time On Btm: 2012.10.08 @ 07:26:55  
Time Off Btm: 2012.10.08 @ 11:32:09

TEST COMMENT: IF- Weak Surface Blow Built to 1"  
IS- No Blow  
FF- Weak Surface Blow Built to 2"  
FS- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1576.75	96.77	Initial Hydro-static
1	20.76	96.16	Open To Flow (1)
31	32.47	98.23	Shut-In(1)
94	821.13	99.50	End Shut-In(1)
94	37.85	99.15	Open To Flow (2)
153	51.79	100.25	Shut-In(2)
245	803.32	101.57	End Shut-In(2)
246	1525.56	101.91	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
61.00	WCM 10%w 90%m	0.58
5.00	WCM 38%w 62%,m with Skim of Oil on 0.07	

\* 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  
  
ATTN: Robert Hendrix

**12-7s-19w Rooks Co. KS**  
**Farr Trust 'A' #1-12**  
Job Ticket: 50211      **DST#: 2**  
Test Start: 2012.10.08 @ 05:40:00

### GENERAL INFORMATION:

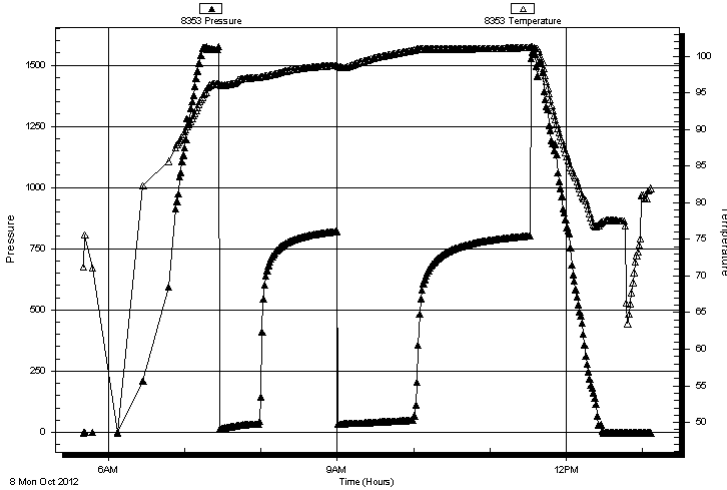
Formation: <b>LKC " E - F "</b>		
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 07:27:10		Tester: Will MacLean
Time Test Ended: 13:07:09		Unit No: 40
<b>Interval: 3206.00 ft (KB) To 3238.00 ft (KB) (TVD)</b>		Reference Elevations: 1937.00 ft (KB)
Total Depth: 3193.00 ft (KB) (TVD)		1932.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Good	KB to GR/CF: 5.00 ft

**Serial #: 8353 Outside**

Press @ Run Depth:	psig @ 3207.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2012.10.08      End Date:	2012.10.08	Last Calib.:	2012.10.08
Start Time:	05:40:15      End Time:	13:07:15	Time On Btm:	
			Time Off Btm:	

**TEST COMMENT:** IF- Weak Surface Blow Built to 1"  
IS- No Blow  
FF- Weak Surface Blow Built to 2"  
FS- No Blow

Pressure vs. Time



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
61.00	WCM 10%w 90%m	0.58
5.00	WCM 38%w 62%,m with Skim of Oil on 0.07	

### 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

**12-7s-19w Rooks Co. KS**

8080 E Central Ste 300  
Wichita KS 67206

**Farr Trust 'A' #1-12**

Job Ticket: 50211

**DST#: 2**

ATTN: Robert Hendrix

Test Start: 2012.10.08 @ 05:40:00

## Tool Information

Drill Pipe:	Length: 3170.00 ft	Diameter: 3.80 inches	Volume: 44.47 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:	26000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	4000.00 lb
			<u>Total Volume: 44.62 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3206.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	54.00 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			3185.00	
Shut In Tool	5.00			3190.00	
Hydraulic tool	5.00			3195.00	
Safety Joint	2.00			3197.00	
Packer	5.00			3202.00	22.00 Bottom Of Top Packer
Packer	4.00			3206.00	
Stubb	1.00			3207.00	
Recorder	0.00	8360	Inside	3207.00	
Recorder	0.00	8353	Outside	3207.00	
Perforations	28.00			3235.00	
Bullnose	3.00			3238.00	32.00 Bottom Packers & Anchor

**Total Tool Length: 54.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**12-7s-19w Rooks Co. KS**  
**Farr Trust 'A' #1-12**  
Job Ticket: 50211      **DST#: 2**  
Test Start: 2012.10.08 @ 05:40:00

## 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: 24000 ppm	
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.35 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1300.00 ppm			
Filter Cake: 1.00 inches			

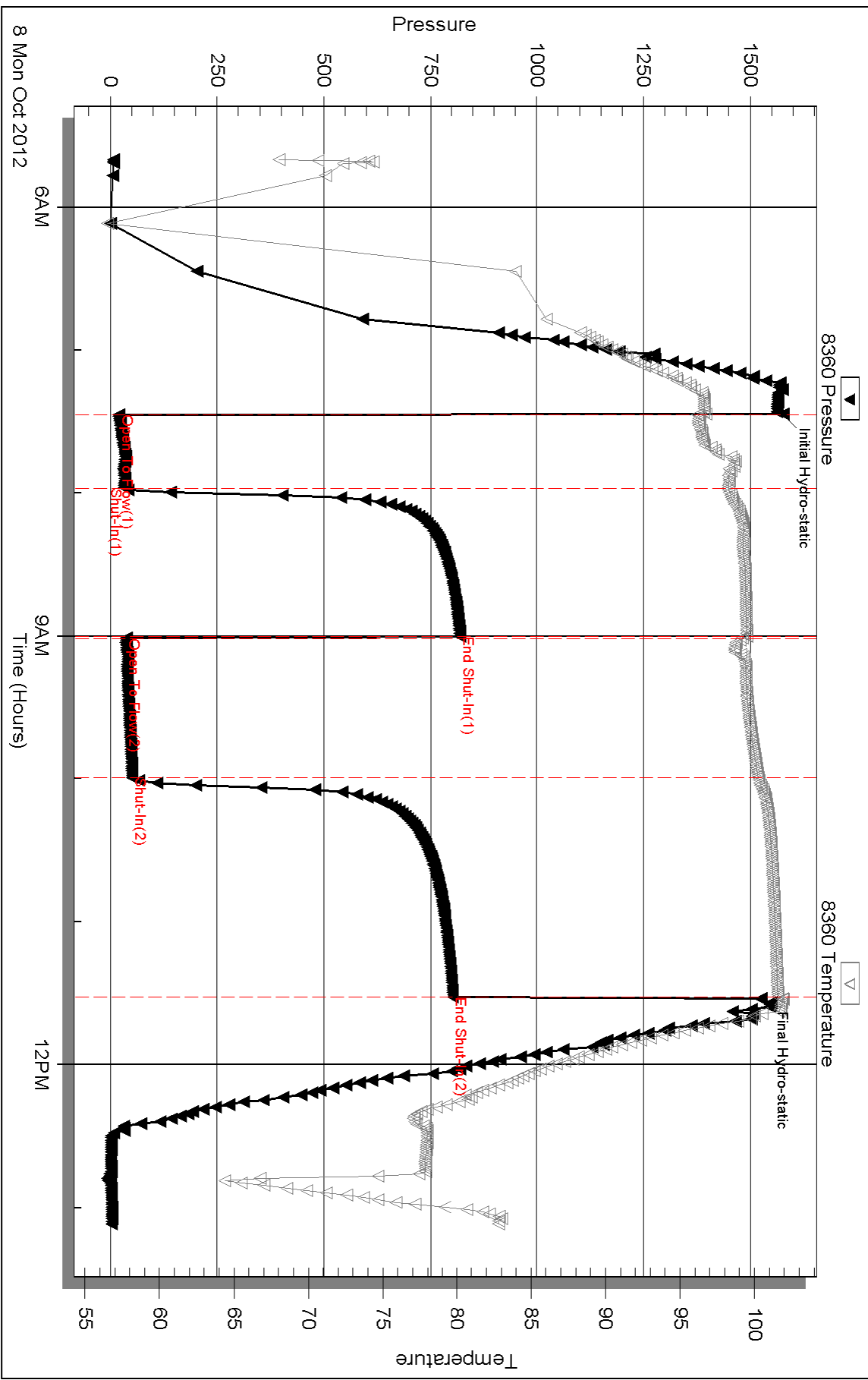
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	WCM 10%w 90%m	0.582
5.00	WCM 38%w 62%,m with Skim of Oil on To	0.070

Total Length: 66.00 ft      Total Volume: 0.652 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: RW is .258 @ 75f =24000

# Pressure vs. Time

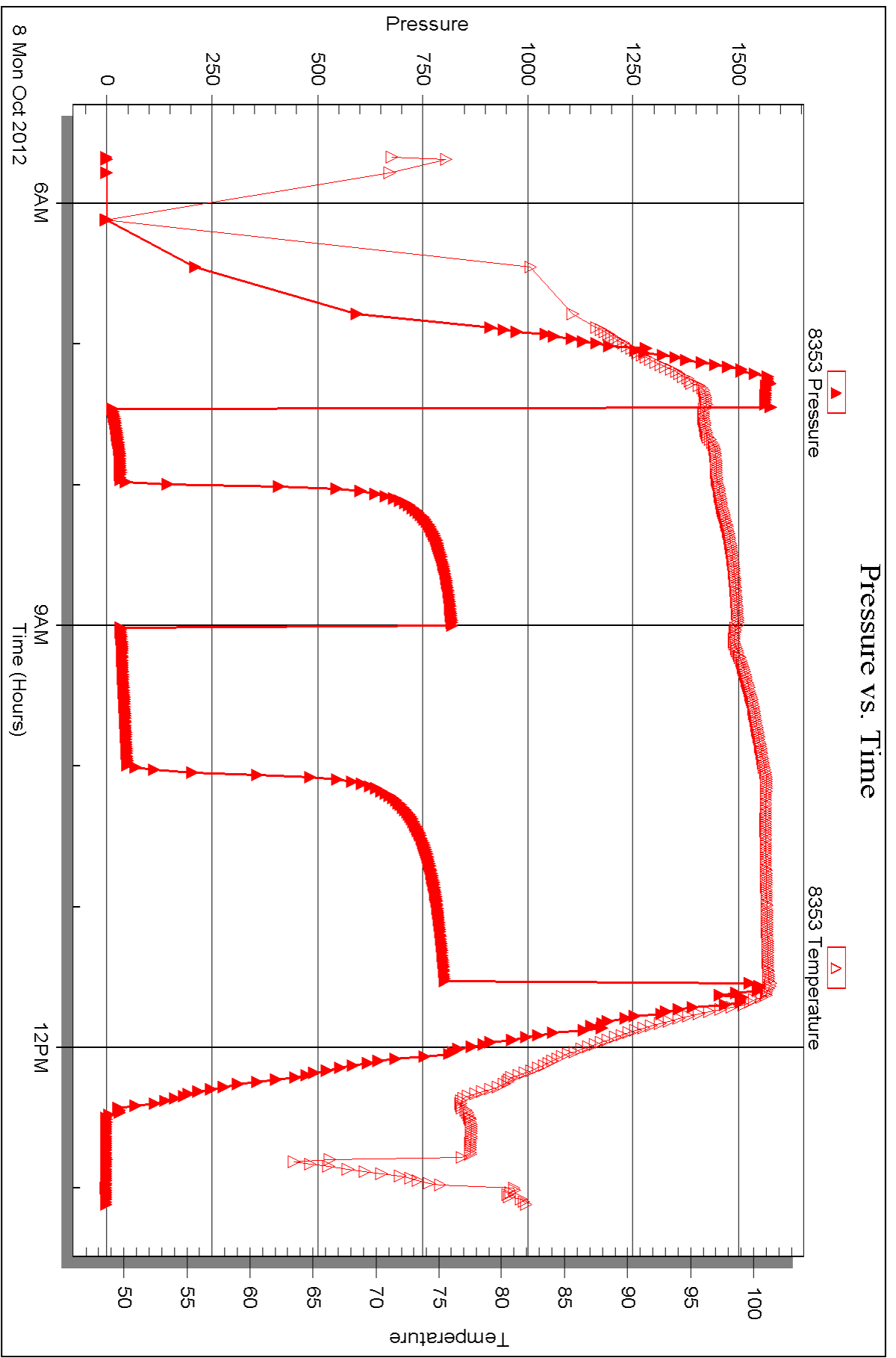


Serial #: 8353

Outside McCoy Petroleum Corp

Fair Trust 'A' #1-12

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp**

8080 E Central Ste 300  
Wichita KS 67206

ATTN: Robert Hendrix

### **Farr Trust 'A' #1-12**

#### **12-7s-19w Rooks Co. KS**

Start Date: 2012.10.09 @ 01:04:00

End Date: 2012.10.09 @ 07:48:24

Job Ticket #: 50212                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.11 @ 14:55:26



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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

**12-7s-19w Rooks Co. KS**  
**Farr Trust 'A' #1-12**  
 Job Ticket: 50212      **DST#: 3**  
 Test Start: 2012.10.09 @ 01:04:00

## GENERAL INFORMATION:

Formation: **LKC H, I & J**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 02:52:55  
 Time Test Ended: 07:48:24  
**Interval: 3252.00 ft (KB) To 3326.00 ft (KB) (TVD)**  
 Total Depth: 3326.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Will MacLean  
 Unit No: 40  
 Reference Elevations: 1937.00 ft (KB)  
 1932.00 ft (CF)  
 KB to GR/CF: 5.00 ft

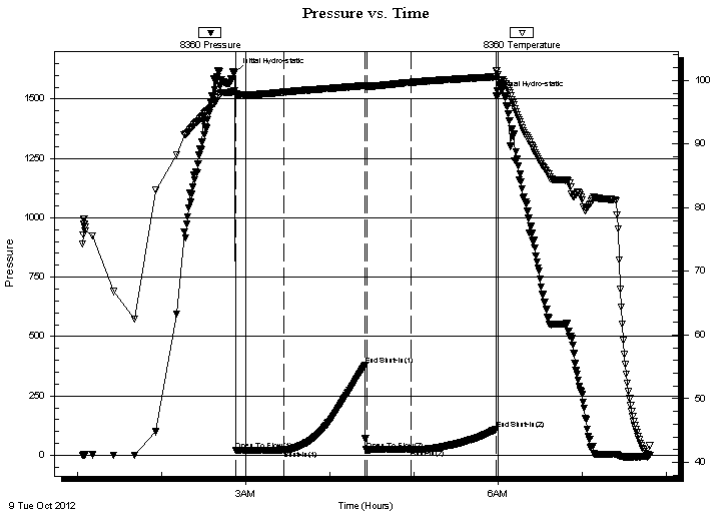
## Serial #: 8360

Inside

Press @ Run Depth: 24.03 psig @ 3253.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2012.10.09      End Date: 2012.10.09      Last Calib.: 2012.10.09  
 Start Time: 01:04:00      End Time: 07:48:24      Time On Btm: 2012.10.09 @ 02:52:40  
 Time Off Btm: 2012.10.09 @ 05:58:39

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

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1612.04	98.33	Initial Hydro-static
1	20.31	97.67	Open To Flow (1)
35	22.87	98.15	Shut-In(1)
93	378.34	99.19	End Shut-In(1)
94	22.84	99.03	Open To Flow (2)
125	24.03	99.68	Shut-In(2)
186	109.69	100.56	End Shut-In(2)
186	1512.90	101.56	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 3%oil 97% m	0.02

\* 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  
ATTN: Robert Hendrix

**12-7s-19w Rooks Co. KS**  
**Farr Trust 'A' #1-12**  
Job Ticket: 50212      **DST#: 3**  
Test Start: 2012.10.09 @ 01:04:00

## GENERAL INFORMATION:

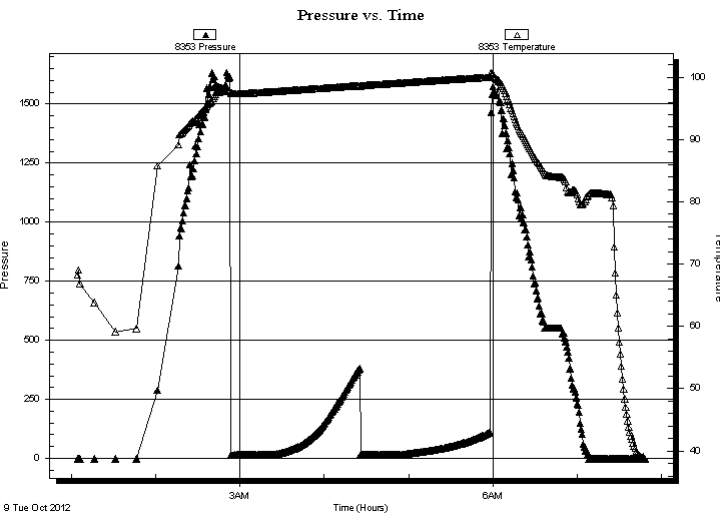
Formation: **LKC H, I & J**  
Deviated: No Whipstock: ft (KB)      Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 02:52:55      Tester: Will MacLean  
Time Test Ended: 07:48:24      Unit No: 40  
**Interval: 3252.00 ft (KB) To 3326.00 ft (KB) (TVD)**      Reference Elevations: 1937.00 ft (KB)  
Total Depth: 3326.00 ft (KB) (TVD)      1932.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good      KB to GR/CF: 5.00 ft

## Serial #: 8353

**Outside**

Press @ RunDepth:      psig @      3253.00 ft (KB)      Capacity:      8000.00 psig  
Start Date:      2012.10.09      End Date:      2012.10.09      Last Calib.:      2012.10.09  
Start Time:      01:04:15      End Time:      07:48:30      Time On Btm:       
Time Off Btm:     

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



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 3%oil 97% 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  
8080 E Central Ste 300  
Wichita KS 67206  
ATTN: Robert Hendrix

**12-7s-19w Rooks Co. KS**  
**Farr Trust 'A' #1-12**  
Job Ticket: 50212      **DST#: 3**  
Test Start: 2012.10.09 @ 01:04:00

**Tool Information**

Drill Pipe:	Length: 3203.00 ft	Diameter: 3.80 inches	Volume: 44.93 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: 24000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 45.08 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 480000.0 lb
Depth to Top Packer:	3252.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.00 ft			
Tool Length:	96.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Change Over Sub	1.00			3231.00	
Shut In Tool	5.00			3236.00	
Hydraulic tool	5.00			3241.00	
Safety Joint	2.00			3243.00	
Packer	5.00			3248.00	22.00      Bottom Of Top Packer
Packer	4.00			3252.00	
Stubb	1.00			3253.00	
Recorder	0.00	8360	Inside	3253.00	
Recorder	0.00	8353	Outside	3253.00	
Perforations	32.00			3285.00	
Change Over Sub	1.00			3286.00	
Drill Pipe	31.00			3317.00	
Change Over Sub	1.00			3318.00	
Perforations	5.00			3323.00	
Bullnose	3.00			3326.00	74.00      Bottom Packers & Anchor

**Total Tool Length: 96.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

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

**12-7s-19w Rooks Co. KS**  
**Farr Trust 'A' #1-12**  
Job Ticket: 50212      **DST#: 3**  
Test Start: 2012.10.09 @ 01:04:00

**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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

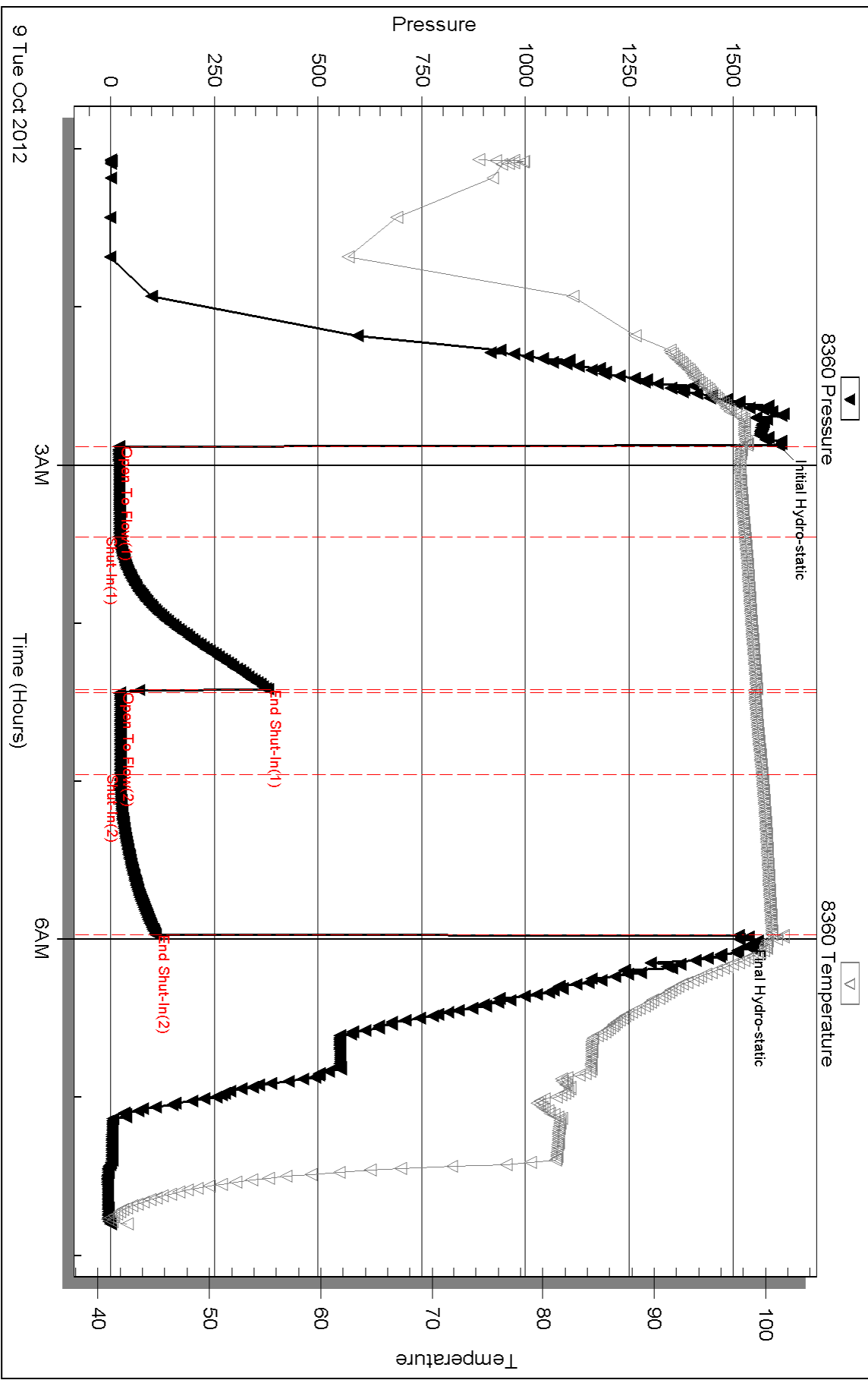
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM 3%oil 97%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:

### Pressure vs. Time

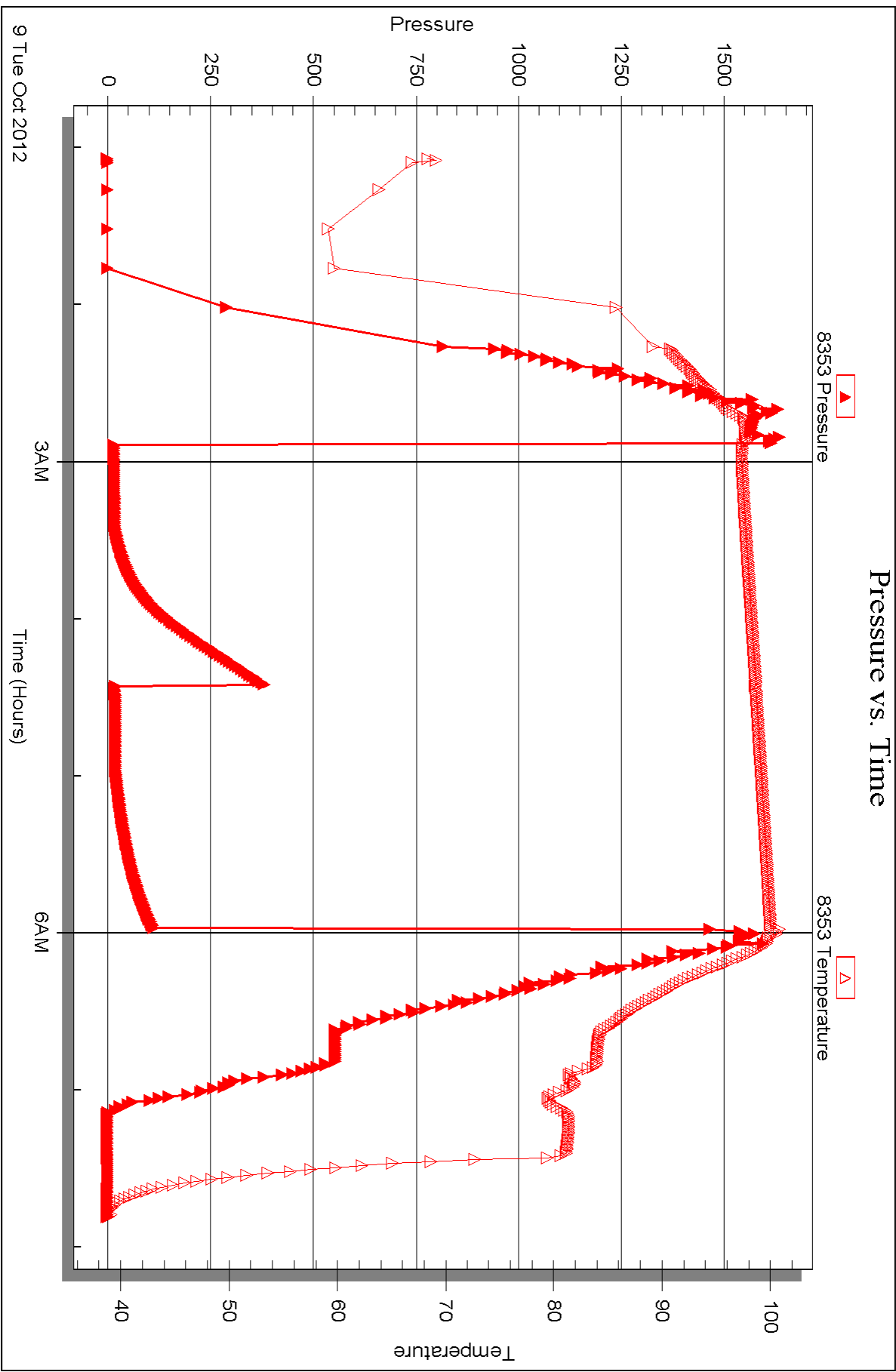


Serial #: 8353

Outside McCoy Petroleum Corp

Fair Trust 'A' #1-12

DST Test Number: 3





## DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp**

8080 E Central Ste 300  
Wichita KS 67206

ATTN: Robert Hendrix

### **Farr Trust 'A' #1-12**

### **12-7s-19w Rooks Co. KS**

Start Date: 2012.10.09 @ 17:28:00

End Date: 2012.10.09 @ 23:57:09

Job Ticket #: 50213                      DST #: 4

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

Printed: 2012.10.11 @ 14:54:31

McCoy Petroleum Corp

12-7s-19w Rooks Co. KS

Farr Trust 'A' #1-12

DST # 4

LKC 'K-L'

2012.10.09



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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

**12-7s-19w Rooks Co. KS**

**Farr Trust 'A' #1-12**

Job Ticket: 50213

**DST#: 4**

Test Start: 2012.10.09 @ 17:28:00

## GENERAL INFORMATION:

Formation: **LKC 'K-L'**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 19:00:40  
 Time Test Ended: 23:57:09  
 Interval: **3320.00 ft (KB) To 3395.00 ft (KB) (TVD)**  
 Total Depth: 3395.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Will MacLean  
 Unit No: 40  
 Reference Elevations: 1937.00 ft (KB)  
 1932.00 ft (CF)  
 KB to GR/CF: 5.00 ft

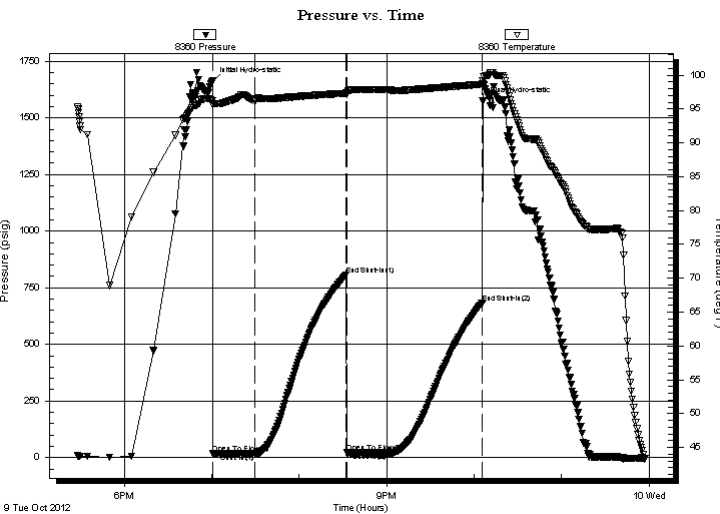
## Serial #: 8360

Inside

Press @ Run Depth: 21.27 psig @ 3321.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.10.09 End Date: 2012.10.09 Last Calib.: 2012.10.10  
 Start Time: 17:28:00 End Time: 23:57:09 Time On Btm: 2012.10.09 @ 19:00:25  
 Time Off Btm: 2012.10.09 @ 22:05:54

## TEST COMMENT: IF- Weak Surface Blow 1/2"

IS- No Blow  
 FF- No Blow  
 FS- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1662.51	96.23	Initial Hydro-static
1	18.94	95.59	Open To Flow (1)
29	18.58	96.21	Shut-In(1)
92	807.54	97.32	End Shut-In(1)
93	21.93	97.21	Open To Flow (2)
120	21.27	97.87	Shut-In(2)
186	683.10	98.65	End Shut-In(2)
186	1574.30	99.16	Final Hydro-static

## Recovery

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

\* 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  
 ATTN: Robert Hendrix

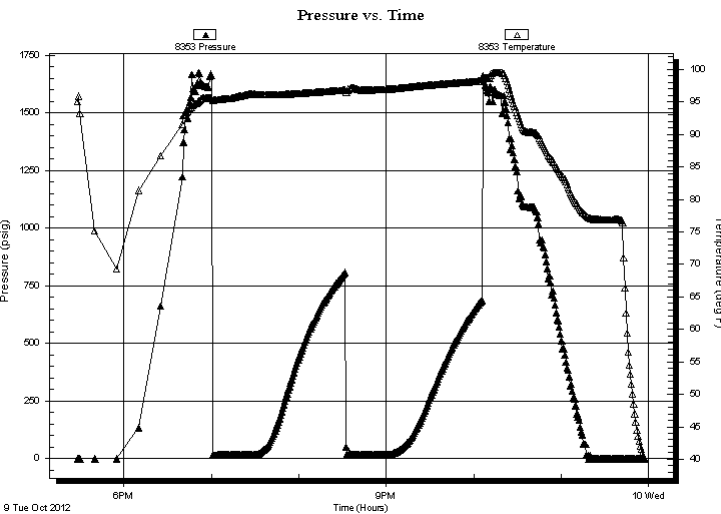
**12-7s-19w Rooks Co. KS**  
**Farr Trust 'A' #1-12**  
 Job Ticket: 50213 **DST#: 4**  
 Test Start: 2012.10.09 @ 17:28:00

## GENERAL INFORMATION:

Formation: **LKC 'K-L'**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 19:00:40  
 Time Test Ended: 23:57:09  
 Interval: **3320.00 ft (KB) To 3395.00 ft (KB) (TVD)**  
 Total Depth: 3395.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Will MacLean  
 Unit No: 40  
 Reference Elevations: 1937.00 ft (KB)  
 1932.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8353 Outside**  
 Press @ Run Depth: psig @ 3321.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.10.09 End Date: 2012.10.09 Last Calib.: 2012.10.10  
 Start Time: 17:28:15 End Time: 23:57:15 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** IF- Weak Surface Blow 1/2"  
 IS- No Blow  
 FF- No Blow  
 FS- No Blow



## PRESSURE SUMMARY

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

## Recovery

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

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

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

**12-7s-19w Rooks Co. KS**  
**Farr Trust 'A' #1-12**  
Job Ticket: 50213      **DST#: 4**  
Test Start: 2012.10.09 @ 17:28:00

**Tool Information**

Drill Pipe:	Length: 3300.00 ft	Diameter: 3.80 inches	Volume: 46.29 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: 22000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 4000.00 lb
			<u>Total Volume: 46.44 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3320.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	97.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			3299.00	
Shut In Tool	5.00			3304.00	
Hydraulic tool	5.00			3309.00	
Safety Joint	2.00			3311.00	
Packer	5.00			3316.00	22.00      Bottom Of Top Packer
Packer	4.00			3320.00	
Stubb	1.00			3321.00	
Recorder	0.00	8360	Inside	3321.00	
Recorder	0.00	8353	Outside	3321.00	
Perforations	6.00			3327.00	
Change Over Sub	1.00			3328.00	
Drill Pipe	63.00			3391.00	
Change Over Sub	1.00			3392.00	
Bullnose	3.00			3395.00	75.00      Bottom Packers & Anchor

**Total Tool Length: 97.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**12-7s-19w Rooks Co. KS**  
**Farr Trust 'A' #1-12**  
Job Ticket: 50213      **DST#: 4**  
Test Start: 2012.10.09 @ 17:28:00

## 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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% mud	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

Serial #: 8360

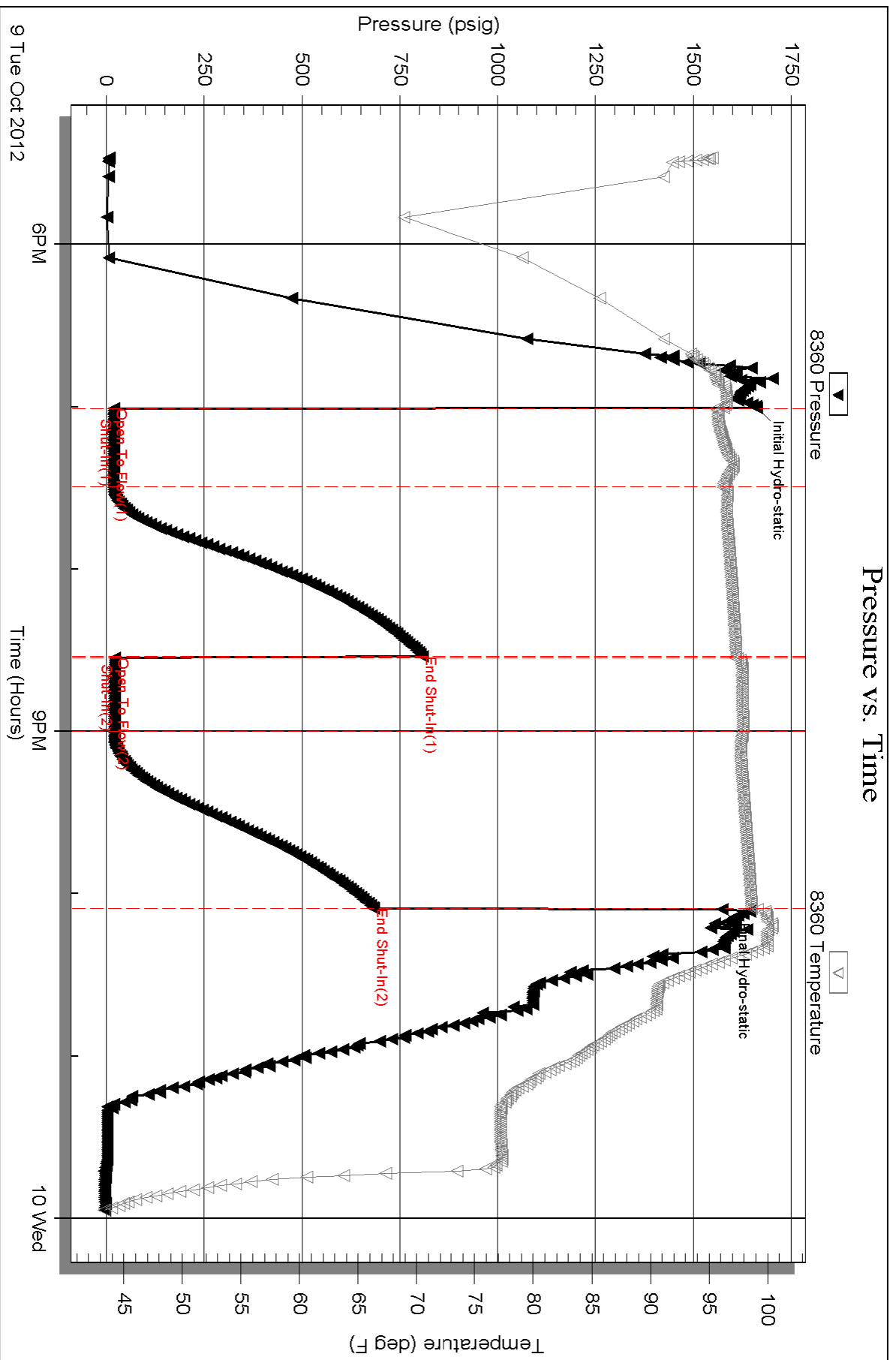
Inside

McCoy Petroleum Corp

Fair Trust A' #1-12

DST Test Number: 4

### Pressure vs. Time

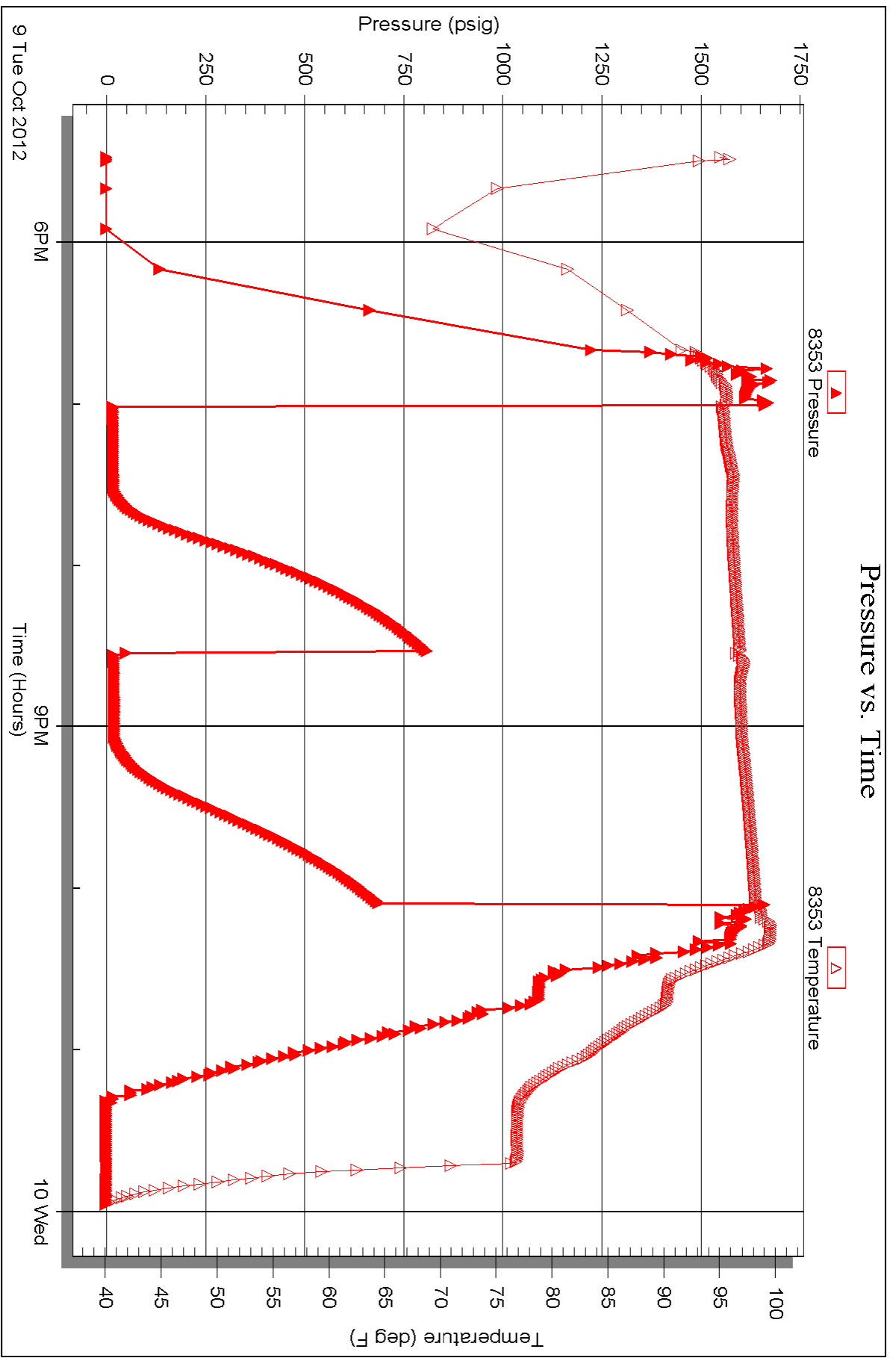


Serial #: 8353

Outside McCoy Petroleum Corp

Fair Trust A' #1-12

DST Test Number: 4





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 50210

Well Name & No. Farr Trust 'A' #1-12 Test No. DST #1 Date 10-7-12  
 Company McCoy Petroleum Corp. Elevation 1937 KB 1932 GL  
 Address 8080 E. Central Ste 300 Wichita KS 67206  
 Co. Rep / Geo. Robert Hendrix Rig Murfin R-3 #3  
 Location: Sec. 12 Twp. 7s Rge. 19W Co. ROOKS State KS

Interval Tested 3096-3193 Zone Tested Toronto, LRC A-C  
 Anchor Length 97 Drill Pipe Run 3075 Mud Wt. 9.1  
 Top Packer Depth 3092 Drill Collars Run 30 Vis 56  
 Bottom Packer Depth 3096 Wt. Pipe Run 0 WL 7.4  
 Total Depth 3193 Chlorides 1300 ppm System LCM 216

Blow Description IF- Weak Surface Blow  
IS- No Blow  
FF- No Blow  
FST- No Blow

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	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 96 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1513  
 (B) First Initial Flow 21  
 (C) First Final Flow 24  
 (D) Initial Shut-In 915  
 (E) Second Initial Flow 28  
 (F) Second Final Flow 27  
 (G) Final Shut-In 800  
 (H) Final Hydrostatic 1461

Test 1150 T-On Location 13:18  
 Jars T-Started 14:36  
 Safety Joint 75 T-Open 16:25  
 Circ Sub N/C T-Pulled \_\_\_\_\_  
 Hourly Standby T-Out 21:01  
 Mileage 286 <sup>104</sup> R/T <sup>161</sup> .20 Comments \_\_\_\_\_  
 Sampler \_\_\_\_\_  
 Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1386.20

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 30  
 Final Shut-In 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. 50211

Well Name & No. Farr Trust 'A' #1-12 Test No. DST #2 Date 10-8-12  
 Company McCoy Petroleum Corp Elevation 1937 KB 1932 GL  
 Address 8080 E Central Ste 300 Wichita KS 67206  
 Co. Rep / Geo. Robert Hendrix Rig Murfin Rig #16  
 Location: Sec. 12 Twp. 7s Rge. 19w Co. Rooks State KS

Interval Tested 3206 - 3238 Zone Tested LRC E-F  
 Anchor Length 32 Drill Pipe Run 3170 Mud Wt. 9.1  
 Top Packer Depth 3204 Drill Collars Run 30 Vis 56  
 Bottom Packer Depth 3206 Wt. Pipe Run 0 WL 7.4  
 Total Depth 3238 Chlorides 1300 ppm System LCM 216  
 Blow Description IF - Weak Surface Blow Built to 1"  
ISI - No Blow  
FF - Weak Surface Blow Built to 2"  
FSI - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>WCM with skim of oil on top</u>		<u>38</u>	<u>62</u>	
<u>61</u>	<u>WCM</u>		<u>10</u>	<u>90</u>	
<del>66</del>					

Rec Total 66 BHT 100 Gravity \_\_\_\_\_ API RW 258 @ 75 ° F Chlorides 24000 ppm

(A) Initial Hydrostatic 1576  Test 1150 T-On Location 5:14  
 (B) First Initial Flow 20  Jars T-Started 5:40  
 (C) First Final Flow 32  Safety Joint 75 T-Open 7:27  
 (D) Initial Shut-In 821  Circ Sub NIC T-Pulled 11:32  
 (E) Second Initial Flow 37  Hourly Standby T-Out 13:07  
 (F) Second Final Flow 51  Mileage 286 R/T 161.20 Comments \_\_\_\_\_  
 (G) Final Shut-In 803  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1525  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1386.20 MP/DST Disc't \_\_\_\_\_

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

Approved By [Signature] Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 50212

4/10

Well Name & No. Farr Trust 'A' #1-12 Test No. DST #3 Date 10-9-12  
 Company McCoy Petroleum Corp Elevation 1937 KB 1932 GL  
 Address 8080 E Central Ste 300 Wichita KS 67206  
 Co. Rep / Geo. Robert Hendrix Rig Murfin Rig #16  
 Location: Sec. 12 Twp. 7s Rge. 19w Co. ROOKS State KS

Interval Tested 3252 - 3326 Zone Tested LRC H, I, J  
 Anchor Length 74 Drill Pipe Run 3203 Mud Wt. 9.1  
 Top Packer Depth 3248 Drill Collars Run 30 Vis 55  
 Bottom Packer Depth 3252 Wt. Pipe Run 0 WL 7.8  
 Total Depth 3326 Chlorides 1500 ppm System LCM 216

Blow Description IF - Weak Surface Blow 1/2"  
ISI - No Blow  
FF - No Blow  
F-SI - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>OCM</u>		<u>3</u>	<u>97</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 98 Gravity 1150 API RW 75 @ 75 °F Chlorides 1500 ppm  
 (A) Initial Hydrostatic 1612  Test 1150 T-On Location 00:08  
 (B) First Initial Flow 20  Jars \_\_\_\_\_ T-Started 1:04  
 (C) First Final Flow 22  Safety Joint 75 T-Open 2:52  
 (D) Initial Shut-In 378  Circ Sub \_\_\_\_\_ T-Pulled 5:58  
 (E) Second Initial Flow 22  Hourly Standby \_\_\_\_\_ T-Out 7:48  
 (F) Second Final Flow 24  Mileage 286 R/T 161.20  
 (G) Final Shut-In 109  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1512  Straddle \_\_\_\_\_

Initial Open 30  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 60  Ruined Packer \_\_\_\_\_  
 Final Flow 30  Extra Copies \_\_\_\_\_  
 Final Shut-In 60  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1386.20  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1386.20

Approved By [Signature] Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 50213

Well Name & No. Farr Trust 'A' #1-12 Test No. DST #4 Date 10-9-12  
 Company McCoy Petroleum Corp. Elevation 1937 KB 1932 GL  
 Address 8080 E Central Stc 300 Wichita KS 67206  
 Co. Rep / Geo. Robert Hendrix Rig Murfin Rig #16  
 Location: Sec. 12 Twp. 7s Rge. 19w Co. Rooks State KS

Interval Tested 3320 - 3395 Zone Tested LKC 'K-L'  
 Anchor Length 75 Drill Pipe Run 3300 Mud Wt. 9.2  
 Top Packer Depth 3316 Drill Collars Run 30 Vis 54  
 Bottom Packer Depth 3320 Wt. Pipe Run 0 WL 7.8  
 Total Depth 3395 Chlorides 1500 ppm System LCM 3/6

Blow Description IF - Weak Surface Blow 1/2"  
ISI - No Blow  
FF - No Blow  
FSI - No Blow

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	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 96 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 11662  Test 1150 T-On Location 16:38  
 (B) First Initial Flow 18  Jars \_\_\_\_\_ T-Started 17:28  
 (C) First Final Flow 18  Safety Joint 75 T-Open 19:00  
 (D) Initial Shut-In 807  Circ Sub NIC T-Pulled 22:05  
 (E) Second Initial Flow 21  Hourly Standby \_\_\_\_\_ T-Out 23:57  
 (F) Second Final Flow 21  Mileage 286 RIT 161.20 Comments \_\_\_\_\_  
 (G) Final Shut-In 683  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1574  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_

Initial Open 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 60  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow 30  Day Standby \_\_\_\_\_ Total 1386.20  
 Final Shut-In 60  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1386.20

Approved By [Signature] Our Representative [Signature]

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