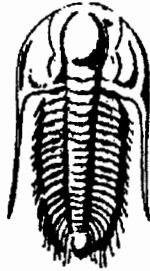


15-047-21486

**CONFIDENTIAL**



**TRILOBITE  
TESTING, INC.**

KCC

MAY 28 2004

**CONFIDENTIAL**

**DRILL STEM TEST REPORT**

Prepared For: **McCoy Petroleum Corp**

8080 E Central  
Suite 300  
Wichita Ks 67206

ATTN: Scott H

**18-23s-20w Edwards K**

**McAvoy A #1-18**

Start Date: 2004.04.08 @ 18:58:35

End Date: 2004.04.09 @ 03:56:34

Job Ticket #: 19412                      DST #: 1

**RECEIVED  
MAY 27 2004  
KCC WICHITA**

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

McCoy Petroleum Corp

McAvoy A #1-18

18-23s-20w Edwards K

DST # 1

Miss

2004.04.08



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

McCoy Petroleum Corp

8080 E Central  
Suite 300  
Wichita Ks 67206  
ATTN: Scott H

McAvoy A #1-18

18-23s-20w Edwards K

Job Ticket: 19412      DST#: 1

Test Start: 2004.04.08 @ 18:58:35

## GENERAL INFORMATION:

Formation: Miss  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 21:23:04  
Time Test Ended: 03:56:34

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Test Type: Conventional Bottom Hole  
Tester: Ray Schwager  
Unit No: 28

Interval: 4600.00 ft (KB) To 4631.00 ft (KB) (TVD)  
Total Depth: 4631.00 ft (KB) (TVD)  
Hole Diameter: 7.85 inches      Hole Condition: Fair

Reference Elevations: 2337.00 ft (KB)  
2328.00 ft (CF)  
KB to GR/CF: 9.00 ft

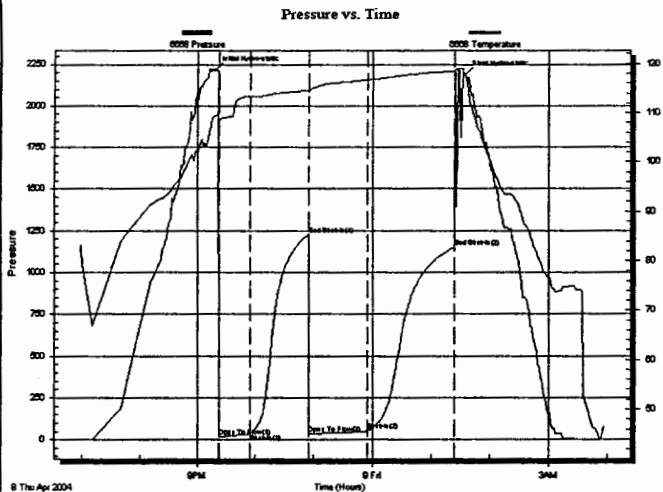
Serial #: 6668

Inside

Press@RunDepth: 51.06 psig @ 4601.01 ft (KB)  
Start Date: 2004.04.08      End Date: 2004.04.09  
Start Time: 18:58:35      End Time: 03:56:34

Capacity: 7000.00 psig  
Last Calib.: 2004.04.09  
Time On Btmr: 2004.04.08 @ 21:18:34  
Time Off Btmr: 2004.04.09 @ 01:35:04

TEST COMMENT: FFP-w k bl thru-out 1/4"bl  
FFP-w k surface bl thru-out  
Times 30-60-60-90



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2215.63	109.40	Initial Hydro-static
5	16.55	108.50	Open To Flow (1)
36	34.80	113.34	Shut-In(1)
96	1228.13	114.51	End Shut-In(1)
97	35.36	114.23	Open To Flow (2)
156	51.06	116.66	Shut-In(2)
245	1147.82	118.45	End Shut-In(2)
257	2187.69	117.53	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM 10%oil 90%mud	0.30
20.00	CO	0.10

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

McCoy Petroleum Corp

**McAvoy A #1-18**

8080 E Central  
Suite 300  
Wichita Ks 67206  
ATTN: Scott H

**18-23s-20w Edwards K**  
Job Ticket: 19412      **DST#: 1**  
Test Start: 2004.04.08 @ 18:58:35

### Tool Information

Drill Pipe:	Length: 4489.00 ft	Diameter: 3.80 inches	Volume: 62.97 bbl	Tool Weight: 2200.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 63.56 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4600.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.02 ft			
Tool Length:	52.02 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			4580.00	
Shut In Tool	5.00			4585.00	
Hydraulic tool	5.00			4590.00	
Packer	5.00			4595.00	21.00 Bottom Of Top Packer
Packer	5.00			4600.00	
Stubb	1.00			4601.00	
Recorder	0.01	6668	Inside	4601.01	
Perforations	27.00			4628.01	
Recorder	0.01	11085	Outside	4628.02	
Bullnose	3.00			4631.02	31.02 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>52.02</b>				

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**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

McCoy Petroleum Corp

**McAvoy A #1-18**

8080 E Central  
Suite 300  
Wichita Ks 67206  
ATTN: Scott H

**18-23s-20w Edwards K**

Job Ticket: 19412      DST#: 1  
Test Start: 2004.04.08 @ 18:58:35

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 11.32 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: 2.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OCM 10%oil 90%mud	0.295
20.00	CO	0.098

Total Length: 80.00 ft      Total Volume: 0.393 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

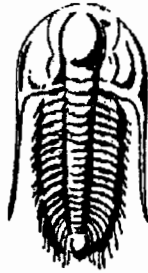
Laboratory Name:

Laboratory Location:

Recovery Comments:

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**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **McCoy Petroleum Corp**

8080 E Central  
Suite 300  
Wichita Ks 67206

ATTN: Scott H

**18-23s-20w Edwards K**

**McAvoy A #1-18**

Start Date: 2004.04.09 @ 10:51:13

End Date: 2004.04.09 @ 19:55:12

Job Ticket #: 19413                      DST #: 2

**RECEIVED  
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Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

McCoy Petroleum Corp

McAvoy A #1-18

18-23s-20w Edwards K

DST # 2

MISS

2004.04.09



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

McCoy Petroleum Corp

8080 E Central  
Suite 300  
Wichita Ks 67206  
ATTN: Scott H

McAvoy A #1-18

18-23s-20w Edwards K  
Job Ticket: 19413      DST#: 2  
Test Start: 2004.04.09 @ 10:51:13

### GENERAL INFORMATION:

Formation: **MISS**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 13:29:57  
Time Test Ended: 19:55:12

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Test Type: Conventional Bottom Hole  
Tester: Ray Schwager  
Unit No: 28

Interval: **4631.00 ft (KB) To 4643.00 ft (KB) (TVD)**  
Total Depth: **4643.00 ft (KB) (TVD)**  
Hole Diameter: **7.85 inches** Hole Condition: Fair

Reference Elevations: **2337.00 ft (KB)**  
**2328.00 ft (CF)**  
KB to GR/CF: **9.00 ft**

### Serial #: 6668

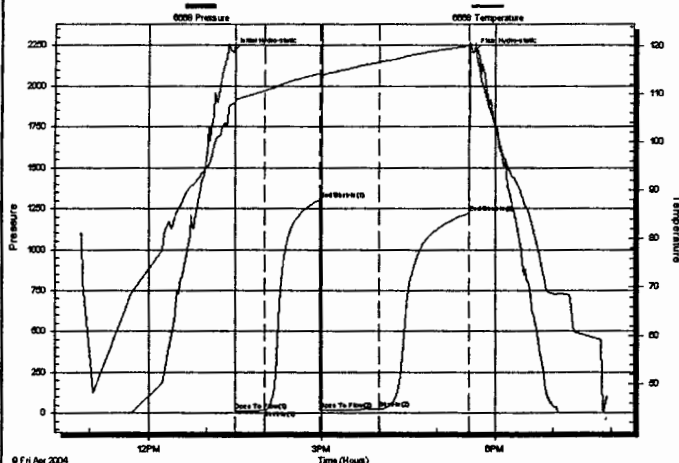
Inside

Press@RunDepth: 23.48 psig @ 4632.01 ft (KB)  
Start Date: 2004.04.09      End Date: 2004.04.09  
Start Time: 10:51:13      End Time: 19:55:12

Capacity: 7000.00 psig  
Last Calib.: 2004.04.09  
Time On Btrm: 2004.04.09 @ 13:27:42  
Time Off Btrm: 2004.04.09 @ 17:38:12

TEST COMMENT: FFP-w k surface bl died in 17 min  
FFP-no bl  
Times 30-60-60-90

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2210.15	107.94	Initial Hydro-static
3	13.27	108.14	Open To Flow (1)
33	17.63	110.66	Shut-In (1)
90	1301.70	114.31	End Shut-In (1)
91	18.33	114.07	Open To Flow (2)
152	23.48	116.65	Shut-In (2)
246	1222.49	119.98	End Shut-In (2)
251	2207.65	120.26	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM 2%oil 98%mud	0.05

### 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  
Suite 300  
Wichita Ks 67206  
ATTN: Scott H

**McAvoy A #1-18**  
**18-23s-20w Edwards K**  
Job Ticket: 19413      **DST#: 2**  
Test Start: 2004.04.09 @ 10:51:13

**Tool Information**

Drill Pipe:	Length: 4457.00 ft	Diameter: 3.80 inches	Volume: 62.52 bbl	Tool Weight: 2200.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 75000.00 lb
			<b>Total Volume: 63.41 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4631.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.02 ft			
Tool Length:	33.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4611.00	
Shut In Tool	5.00			4616.00	
Hydraulic tool	5.00			4621.00	
Packer	5.00			4626.00	21.00      Bottom Of Top Packer
Packer	5.00			4631.00	
Stubb	1.00			4632.00	
Recorder	0.01	6668	Inside	4632.01	
Perforations	8.00			4640.01	
Recorder	0.01	11085	Outside	4640.02	
Bullnose	3.00			4643.02	12.02      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>33.02</b>				

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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

McCoy Petroleum Corp

**McAvoy A #1-18**

8080 E Central  
Suite 300  
Wichita Ks 67206  
ATTN: Scott H

**18-23s-20w Edwards K**  
Job Ticket: 19413      **DST#: 2**  
Test Start: 2004.04.09 @ 10:51:13

## 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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.31 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 2.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SOCM 2%oil 98%mud	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:

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KCC WICHITA**

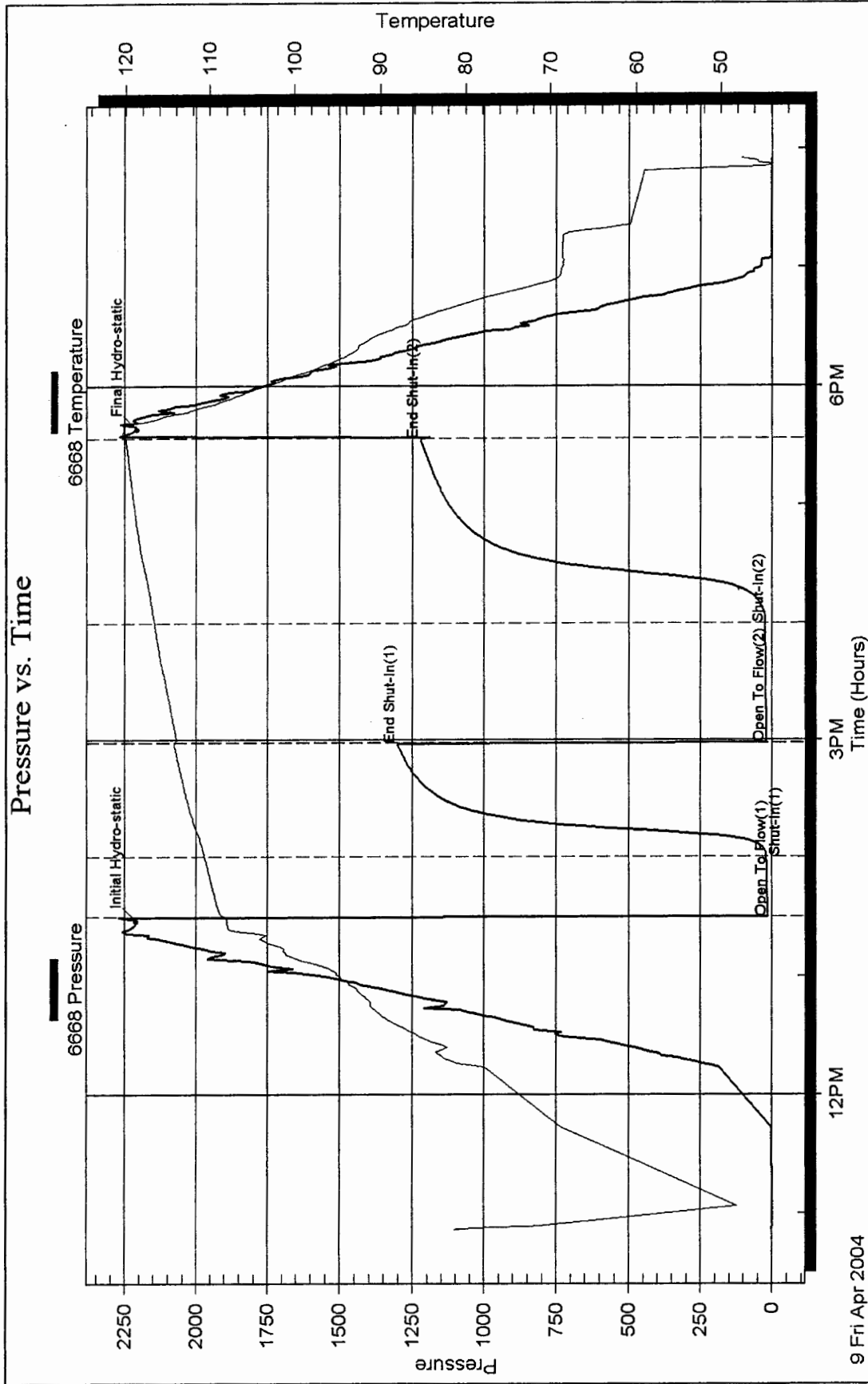
Serial #: 6668

Inside McCoy Petroleum Corp

18-23s-20w Edwards K

DST Test Number: 2

### Pressure vs. Time



Printed: 2004.04.20 @ 15:39:36 Page 5

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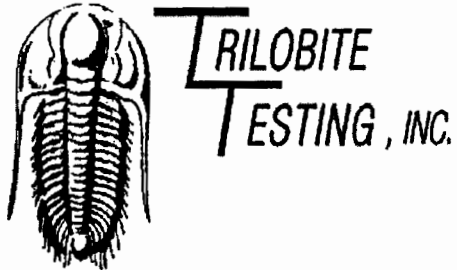
MAY 27 2004

KCC WICHITA

Ref. No: 19413

Trilobite Testing, Inc

9 Fri Apr 2004



## DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp**

8080 E Central  
Suite 300  
Wichita Ks 67206

ATTN: Scott H

**18-23s-20w Edwards K**

**McAvoy A #1-18**

Start Date: 2004.04.10 @ 03:03:30

End Date: 2004.04.10 @ 11:53:59

Job Ticket #: 19414                      DST #: 3

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KCC WICHITA

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





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corp

8080 E Central  
Suite 300  
Wichita Ks 67206  
ATTN: Scott H

**McAvoy A #1-18**

**18-23s-20w Edwards K**

Job Ticket: 19414      **DST#: 3**

Test Start: 2004.04.10 @ 03:03:30

### Tool Information

Drill Pipe:	Length: 4520.00 ft	Diameter: 3.80 inches	Volume: 63.40 bbl	Tool Weight: 2200.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 63.99 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4643.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.02 ft			
Tool Length:	36.02 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			4623.00	
Shut In Tool	5.00			4628.00	
Hydraulic tool	5.00			4633.00	
Packer	5.00			4638.00	21.00      Bottom Of Top Packer
Packer	5.00			4643.00	
Stubb	1.00			4644.00	
Recorder	0.01	6668	Inside	4644.01	
Perforations	11.00			4655.01	
Recorder	0.01	11085	Outside	4655.02	
Bullnose	3.00			4658.02	15.02      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>36.02</b>				

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KCC WICHITA



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

McCoy Petroleum Corp

**McAvoy A #1-18**

8080 E Central  
Suite 300  
Wichita Ks 67206  
ATTN: Scott H

**18-23s-20w Edwards K**  
Job Ticket: 19414      **DST#: 3**  
Test Start: 2004.04.10 @ 03:03:30

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 48.00 sec/qt  
Water Loss: 11.31 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 4000.00 ppm  
Filter Cake: 2.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: 29000 ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
550.00	Water RW .34@50F	6.622

Total Length: 550.00 ft      Total Volume: 6.622 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

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KCC WICHITA**

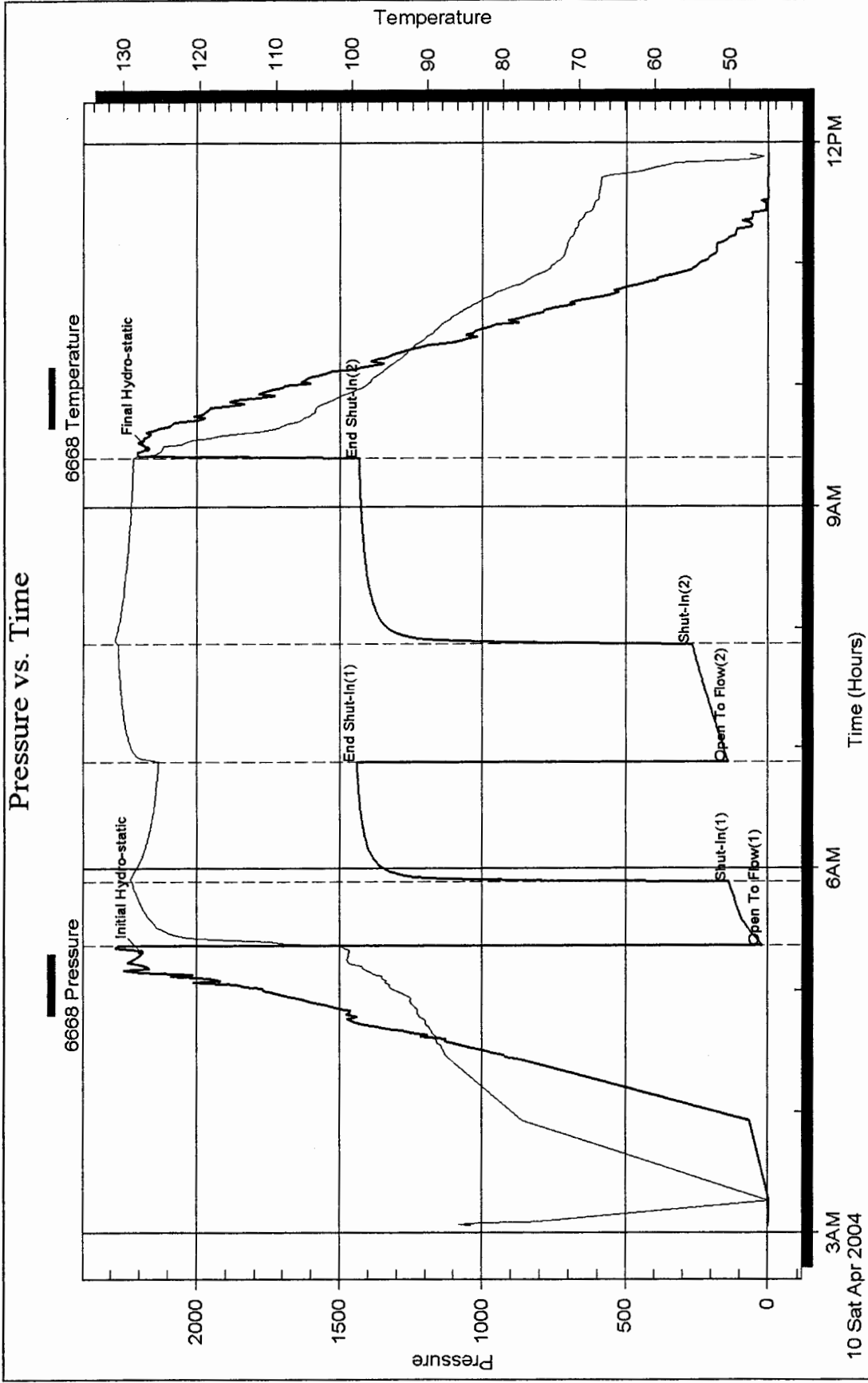
Serial #: 6668

Inside McCoy Petroleum Corp

18-23s-20w Edwards K

DST Test Number: 3

### Pressure vs. Time



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Ref. No: 19414

Triobite Testing, Inc

Printed: 2004.04.20 @ 15:40:05 Page 5