

**TRILOBITE  
TESTING, INC.**

KCC  
JUN 23 2010  
CONFIDENTIAL

**DRILL STEM TEST REPORT**

Prepared For: **McCoy Petroleum Corp**

8080 E Central, Suite #300  
Wichita, KS 67206

ATTN: Robert Hendrix

**18-20-27 Lane, KS**

**Smeltzer A #1-18**

Start Date: 2010.06.01 @ 10:51:06

End Date: 2010.06.01 @ 20:50:21

Job Ticket #: 38844                      DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

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Printed: 2010.06.10 @ 14:11:03

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KCC WICHITA

McCoy Petroleum Corp

Smeltzer A #1-18

18-20-27 Lane, KS

DST # 1

Miss

2010.06.01



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

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 8080 E Central, Suite #300  
 Wichita, KS 67206  
 ATTN: Robert Hendrix

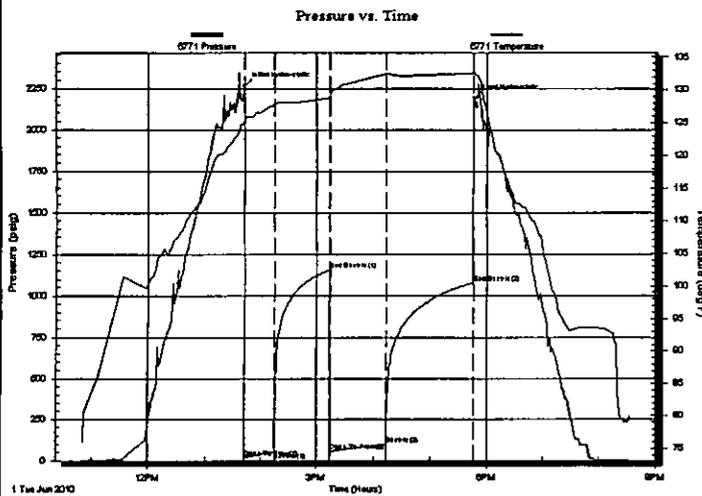
**Smeltzer A #1-18**  
**18-20-27 Lane, KS**  
 Job Ticket: 38844      **DST#: 1**  
 Test Start: 2010.06.01 @ 10:51:06

## GENERAL INFORMATION:

Formation: **Miss**  
 Deviated: **No Whipstock**      ft (KB)  
 Time Tool Opened: 13:42:36  
 Time Test Ended: 20:50:21  
 Interval: **4540.00 ft (KB) To 4572.00 ft (KB) (TVD)**  
 Total Depth: **4572.00 ft (KB) (TVD)**  
 Hole Diameter: **7.78 inches** Hole Condition: **Fair**  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Shane McBride**  
 Unit No: **40**  
 Reference Elevations: **2662.00 ft (KB)**  
**2652.00 ft (CF)**  
 KB to GR/CF: **10.00 ft**

**Serial #: 6771      Inside**  
 Press@RunDepth: **98.78 psig @ 4541.00 ft (KB)**      Capacity: **8000.00 psig**  
 Start Date: **2010.06.01**      End Date: **2010.06.01**      Last Calib.: **2010.06.01**  
 Start Time: **10:51:06**      End Time: **20:33:21**      Time On Btm: **2010.06.01 @ 13:42:21**  
 Time Off Btm: **2010.06.01 @ 17:46:36**

**TEST COMMENT:** 1 1/4" in blow  
 No return  
 1" in. blow  
 No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2265.25	125.65	Initial Hydro-static
1	17.97	124.59	Open To Flow (1)
32	51.56	127.69	Shut-In(1)
91	1153.27	128.83	End Shut-In(1)
92	56.06	128.47	Open To Flow (2)
151	98.78	132.50	Shut-In(2)
243	1075.72	132.64	End Shut-In(2)
245	2191.52	132.77	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	w c m 20% w 80% m	0.30
120.00	s m c w 10% m 90% w	0.59

## Gas Rates

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



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## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

McCoy Petroleum Corp  
8080 E Central, Suite #300  
Wichita, KS 67206  
ATTN: Robert Hendrix

**Smeltzer A #1-18**  
**18-20-27 Lane, KS**  
Job Ticket: 38844      DST#: 1  
Test Start: 2010.06.01 @ 10:51:06

### Tool Information

Drill Pipe:	Length: 4279.00 ft	Diameter: 3.80 inches	Volume: 60.02 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: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 61.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 85000.00 lb
Depth to Top Packer:	4540.00 ft			Final 86000.00 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			4519.00	
Shut In Tool	5.00			4524.00	
Hydraulic tool	5.00			4529.00	
Safety Joint	2.00			4531.00	
Packer	5.00			4536.00	22.00      Bottom Of Top Packer
Packer	4.00			4540.00	
Stubb	1.00			4541.00	
Recorder	0.00	6771	Inside	4541.00	
Recorder	0.00	8368	Outside	4541.00	
Perforations	26.00			4567.00	
Bullnose	5.00			4572.00	32.00      Bottom Packers & Anchor

**Total Tool Length: 54.00**



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**FLUID SUMMARY**

McCoy Petroleum Corp

**Smeltzer A #1-18**

8080 E Central, Suite #300  
Wichita, KS 67206

**18-20-27 Lane, KS**

Job Ticket: 38844

**DST#: 1**

ATTN: Robert Hendrix

Test Start: 2010.06.01 @ 10:51:06

## 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: 28500 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.18 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3600.00 ppm		
Filter Cake: 2.00 inches		

## Recovery Information

Recovery Table

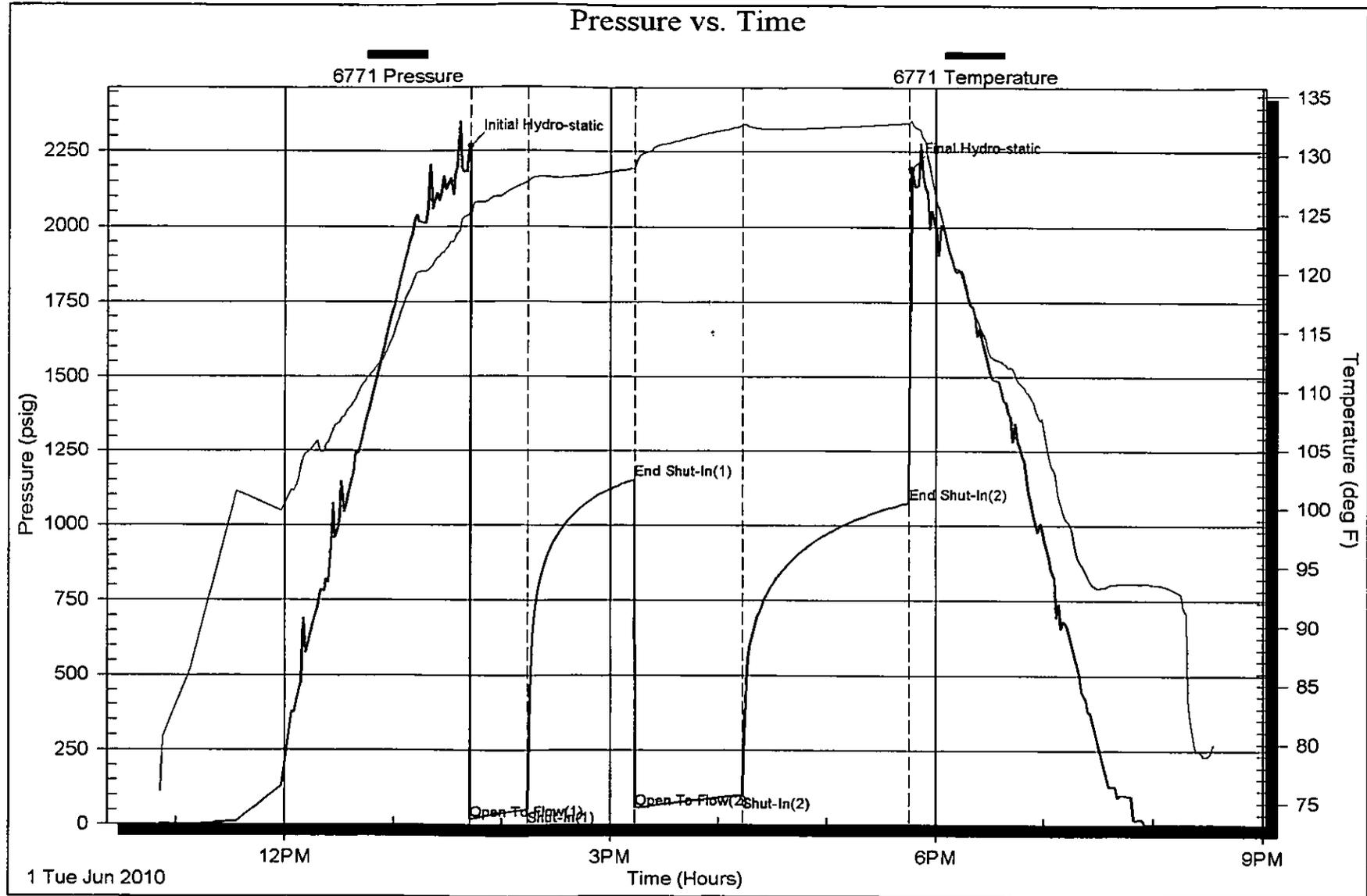
Length ft	Description	Volume bbl
60.00	w c m 20%w 80%m	0.295
120.00	s m c w 10%m 90%w	0.590

Total Length: 180.00 ft      Total Volume: 0.885 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: rw .203 @ 82°F = 28,500 cphor





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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## Test Ticket

NO. 38844 14333

Well Name & No. Smeltzer A #1-18 Test No. #1 Date 6/1/10  
 Company McCoy Petroleum Corp Elevation 2662 KB 2652 GL  
 Address 8080 E Central, Suite #300 Wichita, Ks 67206  
 Co. Rep / Geo. Robert Hendrix Rig Sterling #2  
 Location: Sec. 18 Twp. 20 Rge. 27 Co. Lane State Ks

Interval Tested 4540 4572 Zone Tested MISS  
 Anchor Length 32 Drill Pipe Run 4279 Mud Wt. 9.3  
 Top Packer Depth 4535 Drill Collars Run 249' Vis 30  
 Bottom Packer Depth 3540 Wt. Pipe Run --- WL 9.2  
 Total Depth 4572 Chlorides 3600 ppm System LCM TV  
 Blow Description 1 1/4" blow  
No return  
1" blow  
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>WCM</u>		<u>20</u>	<u>80</u>	
<u>120</u>	<u>SMCW</u>		<u>90</u>	<u>10</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 180' BHT 133° Gravity --- API RW .203 @ 82° F Chlorides 28,500 ppm  
 (A) Initial Hydrostatic 2265  Test 1225 T-On Location 09:10  
 (B) First Initial Flow 17  Jars --- T-Started 10:50  
 (C) First Final Flow 51  Safety Joint 75' T-Open 13:40  
 (D) Initial Shut-In 1153  Circ Sub N/C T-Pulled 17:40  
 (E) Second Initial Flow 54  Hourly Standby --- T-Out 20:50  
 (F) Second Final Flow 98  Mileage 85RT 106.25 Comments ---  
 (G) Final Shut-In 1075  Sampler ---  
 (H) Final Hydrostatic 2191  Straddle ---  
 Shale Packer ---  Ruined Shale Packer ---  
 Extra Packer ---  Ruined Packer ---  
 Extra Recorder ---  Extra Copies ---  
 Day Standby --- Sub Total 8  
 Accessibility \$150' Total 1556.25  
 Sub Total 1556.25

Approved By: [Signature] Our Representative: [Signature]  
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