



## DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp.**

5080 E. Central suite 300  
Wichita, Ks. 67206

ATTN: Scott Hampel

**2-19s-24w**

**Pavlu 'A' #1-2**

Start Date: 2004.03.17 @ 16:37:04

End Date: 2004.03.18 @ 01:01:34

Job Ticket #: 18589                      DST #: 1

McCoy Petroleum Corp.

Pavlu 'A' #1-2

2-19s-24w

DST # 1

Ft. Scott

2004.03.17

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

McCoy Petroleum Corp.

Pavlu 'A' #1-2

5080 E. Central suite 300  
Wichita, Ks. 67206

2-19s-24w

Job Ticket: 18589

DST#: 1

ATTN: Scott Hampel

Test Start: 2004.03.17 @ 16:37:04

### GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: **No Whipstock:**

Time Tool Opened: 19:03:34

Time Test Ended: 01:01:34

Interval: **4220.00 ft (KB) To 4275.00 ft (KB) (TVD)**

Total Depth: **4275.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

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Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Reference Elevations: **2313.00 ft (KB)**

**2304.00 ft (CF)**

KB to GR/CF: **9.00 ft**

Serial #: **6741**

Inside

Press@RunDepth: **156.22 psig @ 4225.00 ft (KB)**

Start Date: **2004.03.17**

End Date:

2004.03.18

Start Time: **16:37:06**

End Time:

01:01:34

Capacity: **7000.00 psig**

Last Calib.: **2004.03.18**

Time On Btm: **2004.03.17 @ 19:03:04**

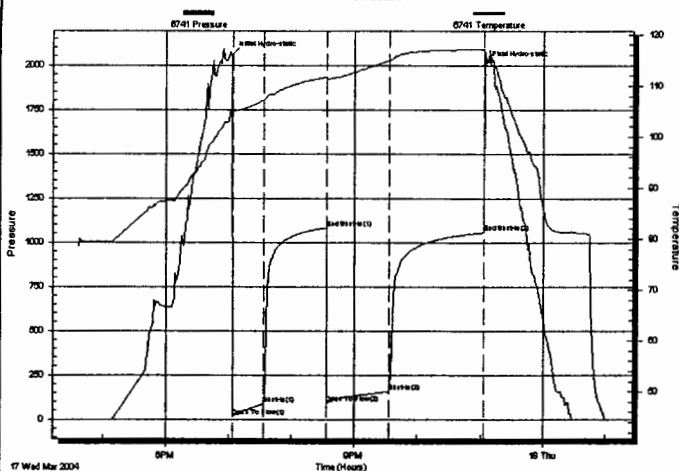
Time Off Btm: **2004.03.17 @ 23:03:49**

TEST COMMENT: **IF-Weak to Fair built to 6" in.**  
**FF-Weak to Fair built to 7" in**

ISI-Dead

FSI-Dead

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2056.74	105.27	Initial Hydro-static
1	12.26	105.06	Open To Flow (1)
31	85.98	107.24	Shut-In(1)
91	1081.54	111.66	End Shut-In(1)
91	92.55	111.50	Open To Flow (2)
151	156.22	114.94	Shut-In(2)
240	1055.03	117.17	End Shut-In(2)
241	2001.54	116.14	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
319.00	Muddy salt water	2.26
1.00	oil	0.01

### Gas Rates

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



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## DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corp.

**Pavlu 'A' #1-2**

5080 E. Central suite 300  
Wichita, Ks. 67206

**2--19s--24w**

Job Ticket: 18589

**DST#: 1**

ATTN: Scott Hampel

Test Start: 2004.03.17 @ 16:37:04

### Tool Information

Drill Pipe:	Length: 3960.00 ft	Diameter: 3.80 inches	Volume: 55.55 bbl	Tool Weight: 2800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 243.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 56.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4220.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	77.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

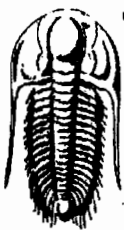
Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4199.00	
Shut In Tool	5.00			4204.00	
Hydraulic tool	5.00			4209.00	
Safety Joint	2.00			4211.00	
Packer	4.00			4215.00	22.00 Bottom Of Top Packer
Packer	5.00			4220.00	
Stubb	1.00			4221.00	
Perforations	3.00			4224.00	
Change Over Sub	1.00			4225.00	
Recorder	0.00	6741	Inside	4225.00	
Blank Spacing	31.00			4256.00	
Change Over Sub	1.00			4257.00	
Recorder	0.00	11084	Outside	4257.00	
Perforations	15.00			4272.00	
Blank Spacing	3.00			4275.00	55.00 Bottom Packers & Anchor

**Total Tool Length: 77.00**

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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

McCoy Petroleum Corp.

**Pavlu 'A' #1-2**

5080 E Central suite 300  
Wichita, Ks. 67206

**2-19s-24w**

Job Ticket: 18589

**DST#: 1**

ATTN: Scott Hampel

Test Start: 2004.03.17 @ 16:37:04

**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:

80000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
319.00	Muddy salt water	2.261
1.00	oil	0.014

Total Length: 320.00 ft

Total Volume: 2.275 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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DST Test Number: 1

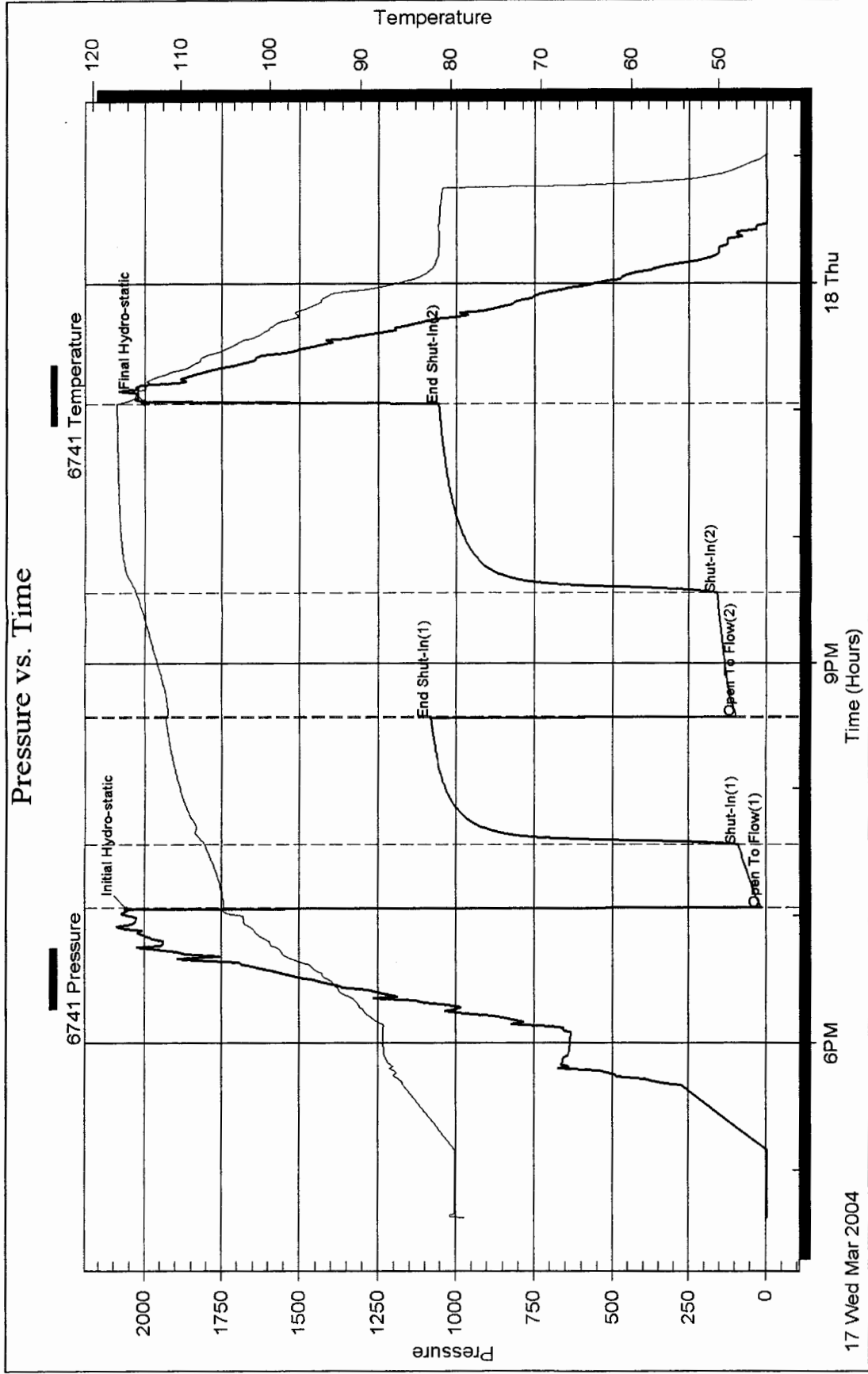
2--19s--24w

McCoy Petroleum Corp.

Inside

Serial #: 6741

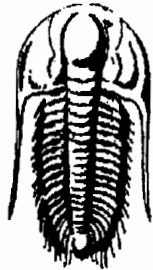
### Pressure vs. Time



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## DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp.**

5080 E. Central suite 300  
Wichita, Ks. 67206

ATTN: Scott Hampel

**2-19s-24w**

**Pavlu 'A' #1-2**

Start Date: 2004.03.18 @ 17:26:53

End Date: 2004.03.19 @ 01:28:53

Job Ticket #: 18590                      DST #: 2

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



**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

McCoy Petroleum Corp.  
5080 E. Central suite 300  
Wichita, Ks. 67206  
ATTN: Scott Hampel

**Pavlu 'A' #1-2**  
**2-19s-24w**  
Job Ticket: 18590      **DST#: 2**  
Test Start: 2004.03.18 @ 17:26:53

**GENERAL INFORMATION:**

Formation: **Miss**  
Deviated: **No** Whipstock:      ft (KB)  
Time Tool Opened: 19:41:53  
Time Test Ended: 01:28:53

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**KCC WICHITA**

Test Type: Conventional Bottom Hole  
Tester: John Schmidt  
Unit No: 18

Interval: **4302.00 ft (KB) To 4352.00 ft (KB) (TVD)**  
Total Depth: **4452.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: Fair

Reference Elevations: **2313.00 ft (KB)**  
**2304.00 ft (CF)**  
KB to GR/CF: **9.00 ft**

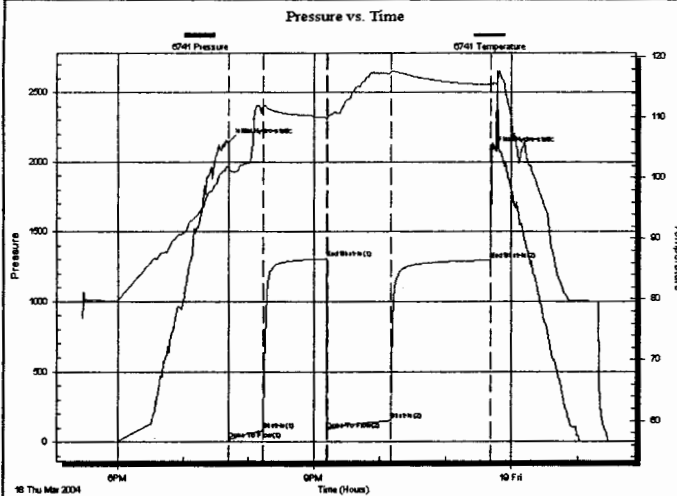
**Serial #: 6741**

**Inside**

Press@RunDepth: **150.63 psig @ 4307.00 ft (KB)**  
Start Date: **2004.03.18** End Date: **2004.03.19**  
Start Time: **17:26:55** End Time: **01:28:53**

Capacity: **7000.00 psig**  
Last Calib.: **2004.03.19**  
Time On Btm: **2004.03.18 @ 19:41:38**  
Time Off Btm: **2004.03.18 @ 23:41:38**

TEST COMMENT: IF-Weak to Fair built to 5" in.      ISI-Dead  
FF-Weak to Fair built to 5" in.      FSI-Dead



**PRESSURE SUMMARY**

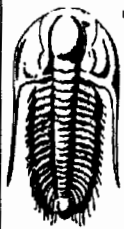
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2139.92	101.83	Initial Hydro-static
1	15.35	101.49	Open To Flow (1)
32	83.95	111.73	Shut-In(1)
90	1306.13	109.96	End Shut-In(1)
91	86.98	109.95	Open To Flow (2)
149	150.63	117.46	Shut-In(2)
239	1294.53	115.37	End Shut-In(2)
240	2080.83	115.58	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
304.00	Muddy Salt Water	2.05
1.00	Oil	0.01

**Gas Rates**

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



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TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

McCoy Petroleum Corp.

**Pavlu 'A' #1-2**

5080 E. Central suite 300  
Wichita, Ks. 67206

**2-19s-24w**

Job Ticket: 18590

**DST#: 2**

ATTN: Scott Hampel

Test Start: 2004.03.18 @ 17:26:53

### Tool Information

Drill Pipe:	Length: 4052.00 ft	Diameter: 3.80 inches	Volume: 56.84 bbl	Tool Weight: 2700.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 243.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 58.04 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4302.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	72.00 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			4281.00	
Shut In Tool	5.00			4286.00	
Hydraulic tool	5.00			4291.00	
Safety Joint	2.00			4293.00	
Packer	4.00			4297.00	22.00 Bottom Of Top Packer
Packer	5.00			4302.00	
Stubb	1.00			4303.00	
Perforations	3.00			4306.00	
Change Over Sub	1.00			4307.00	
Recorder	0.00	6741	Inside	4307.00	
Blank Spacing	31.00			4338.00	
Change Over Sub	1.00			4339.00	
Recorder	0.00	11084	Outside	4339.00	
Perforations	10.00			4349.00	
Blank Spacing	3.00			4352.00	50.00 Bottom Packers & Anchor

**Total Tool Length: 72.00**

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**DRILL STEM TEST REPORT**
**FLUID SUMMARY**

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**Pavlu 'A' #1-2**

 5080 E. Central suite 300  
 Wichita, Ks. 67206

**2-19s-24w**

Job Ticket: 18590

**DST#: 2**

ATTN: Scott Hampel

Test Start: 2004.03.18 @ 17:26:53

**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:

21000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

 Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
304.00	Muddy Salt Water	2.051
1.00	Oil	0.014

Total Length: 305.00 ft

Total Volume: 2.065 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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Serial #: 6741

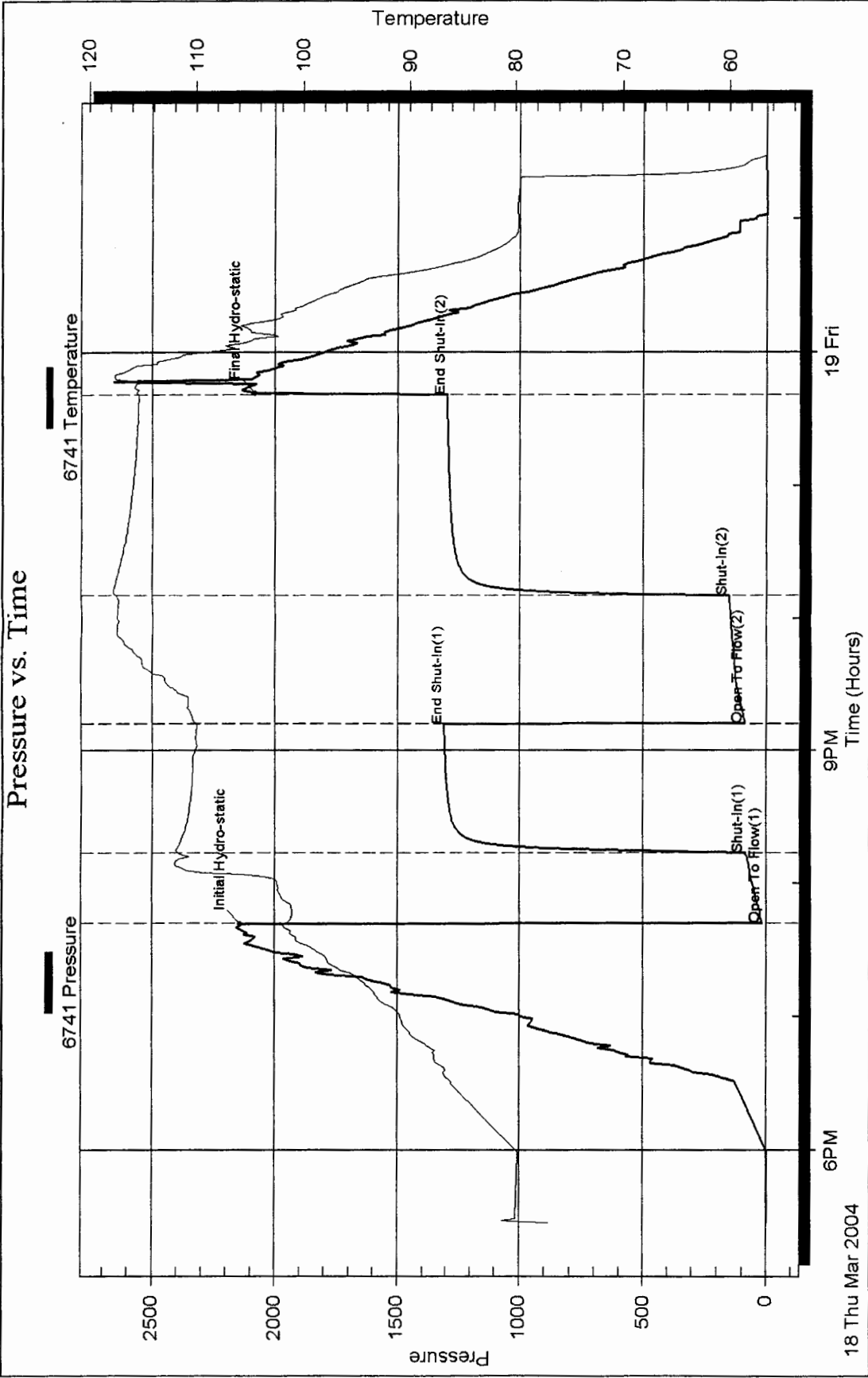
Inside

McCoy Petroleum Corp.

2--19s--24w

DST Test Number: 2

### Pressure vs. Time



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