

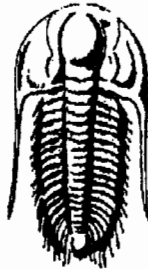
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15-081-21497

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**TRILOBITE
TESTING, INC.**

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FROM CONFIDENTIAL

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum**

P.O. Box 780208
Wichita KS 67278

ATTN: Paul Gunzelman

31-30-31

Rooney 1-31

Start Date: 2003.10.19 @ 11:24:05

End Date: 2003.10.19 @ 22:06:33

Job Ticket #: 17203 . DST #: 1

Rooney 'H' 1-31

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

P.O. Box 780208
Wichita KS 67278

ATTN: Paul Gunzelman

Ropey 1-31
31-30-31

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Job Ticket: 17203

DST#: 1

Test Start: 2003.10.19 @ 11:24:05

GENERAL INFORMATION:

Formation: **Kansas City "H"**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 13:56:23

Time Test Ended: 22:06:33

Interval: **4503.00 ft (KB) To 4520.00 ft (KB) (TVD)**

Total Depth: **4619.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Good**

Test Type: **Conventional Straddle**

Tester: **Chris Hagman**

Unit No: **17**

Reference Elevations: **2842.00 ft (KB)**

2830.00 ft (CF)

KB to GR/CF: 12.00 ft

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Serial #: **6771**

Inside

Press@RunDepth: **544.92 psig @ 4505.00 ft (KB)**

Start Date: **2003.10.19**

End Date: **2003.10.19**

Start Time: **11:24:10**

End Time: **22:06:33**

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

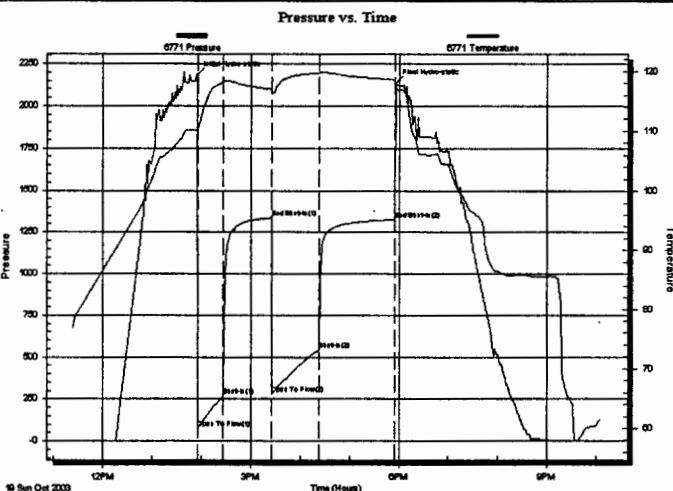
Time On Btm: **2003.10.19 @ 13:55:13**

Time Off Btm: **2003.10.19 @ 17:56:03**

TEST COMMENT: IF: Strong blow BOB 6 min
IS: No blow back
FF: Strong blow BOB 10 min
FS: No blow back

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PRESSURE SUMMARY

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Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2180.05	110.24	Initial Hydro-static
2	76.09	110.42	Open To Flow (1)
32	269.04	118.24	Shut-In(1)
90	1335.43	116.94	End Shut-In(1)
91	279.46	116.55	Open To Flow (2)
149	544.92	119.63	Shut-In(2)
241	1326.20	118.56	End Shut-In(2)
241	2135.38	117.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
434.00	10% M, 80% W, 10% G	5.54
248.00	15% M, 80% W, 5% G	3.48
372.00	60% M, 40% W	5.22

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum

Rooney 1-31

P.O. Box 780208
Wichita KS 67278

31-30-31

Job Ticket: 17203

DST#: 1

ATTN: Paul Gunzelman

Test Start: 2003.10.19 @ 11:24:05

Tool Information

Drill Pipe:	Length: 4457.00 ft	Diameter: 3.80 inches	Volume: 62.52 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: 30000.00 lb
Drill Collar:	Length: 60.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume:	62.82 bbl	Tool Chased: 0.00 ft
Drill Pipe Above KB:	35.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4503.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	4516.00 ft			
Interval between Packers:	13.00 ft			
Tool Length:	137.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4483.00	
Shut In Tool	5.00			4488.00	
Hydraulic tool	5.00			4493.00	
Safety Joint	1.00			4494.00	
Packer	5.00			4499.00	21.00 Bottom Of Top Packer
Packer	4.00			4503.00	
Stubb	1.00			4504.00	
Perforations	1.00			4505.00	
Recorder	0.00	6771	Inside	4505.00	
Perforations	10.00			4515.00	
Recorder	0.00	10993	Inside	4515.00	
Blank Off Sub	1.00			4516.00	13.00 Tool Interval
Packer	4.00			4520.00	
Stubb	1.00			4521.00	
Change Over Sub	1.00			4522.00	
Drill Pipe	93.00			4615.00	
Change Over Sub	1.00			4616.00	
Recorder	0.00	13761	Inside	4616.00	
Bullnose	3.00			4619.00	103.00 Bottom Packers & Anchor

Total Tool Length: 137.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum

Rooney 1-31

P.O. Box 780208
Wichita KS 67278

31-30-31

Job Ticket: 17203

DST#: 1

ATTN: Paul Gunzelman

Test Start: 2003.10.19 @ 11:24:05

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:

40000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
434.00	10% M, 80% W, 10% G	5.541
248.00	15% M, 80% W, 5% G	3.479
372.00	60% M, 40% W	5.218

Total Length: 1054.00 ft

Total Volume: 14.238 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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DST Test Number: 1

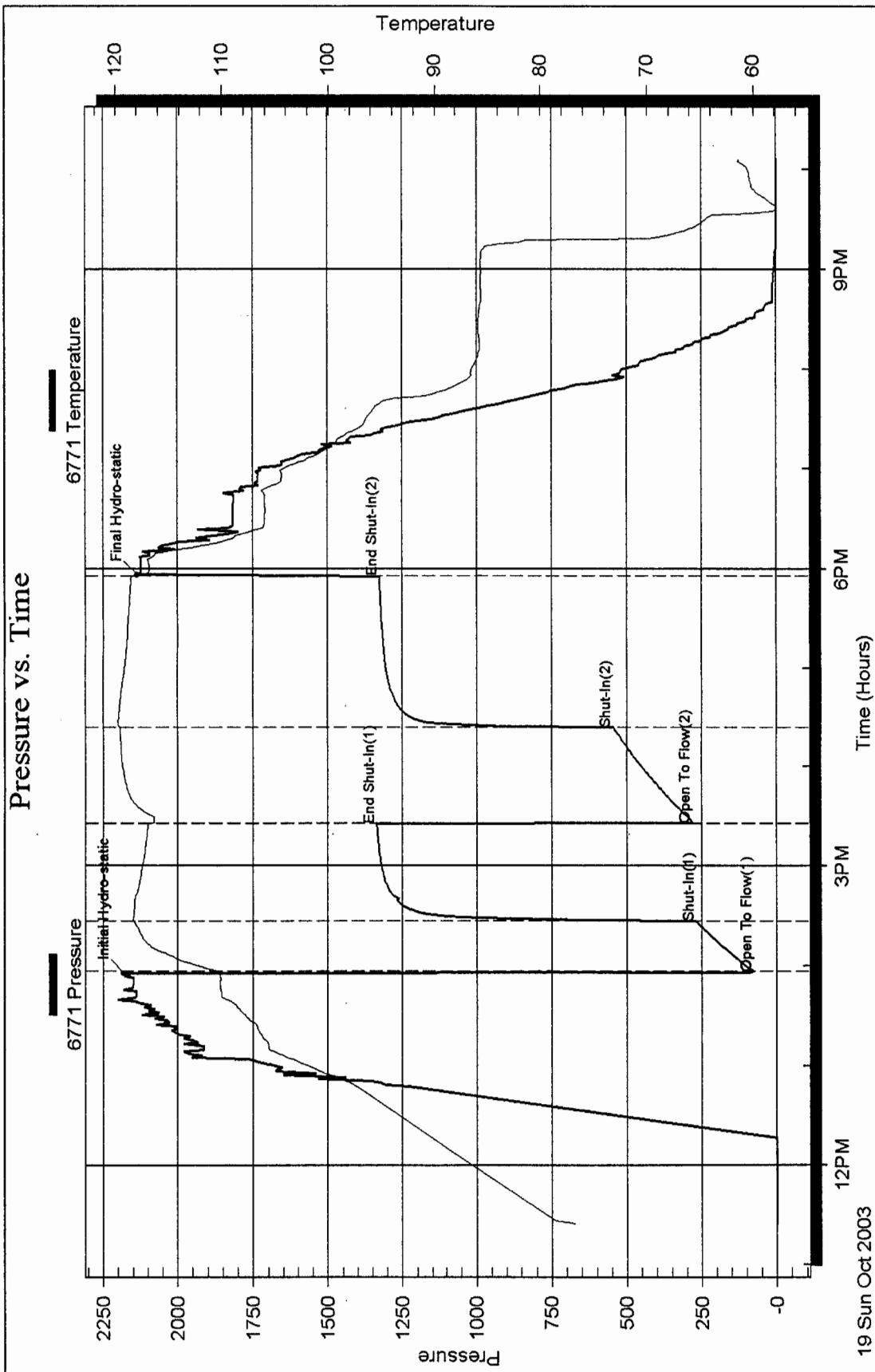
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McCoy Petroleum

Inside

Serial #: 6771

Pressure vs. Time



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DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum**

P.O. Box 780208
Wichita KS 67278

ATTN: Paul Gunzelman

31-30-31

Rooney 1-31

Start Date: 2003.10.22 @ 01:30:31

End Date: 2003.10.22 @ 09:09:14

Job Ticket #: 17715 DST #: 2

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

P.O. Box 780208
Wichita KS 67278

ATTN: Paul Gunzelman

Rooney 1-31

31-30-31

Job Ticket: 17715

DST#: 2

Test Start: 2003.10.22 @ 01:30:31

GENERAL INFORMATION:

Formation: **morrow**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 04:26:59

Time Test Ended: 09:09:14

Interval: **5291.00 ft (KB) To 5353.00 ft (KB) (TVD)**

Total Depth: **5353.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Fair**

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **25**

Reference Elevations: **2842.00 ft (KB)**

2830.00 ft (CF)

KB to GR/CF: **12.00 ft**

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Serial #: 6753

Inside

Press@RunDepth: **50.16 psig @ 5292.00 ft (KB)**

Start Date: **2003.10.22**

End Date:

2003.10.22

Start Time: **01:30:31**

End Time:

09:09:14

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2003.10.22 @ 04:26:29**

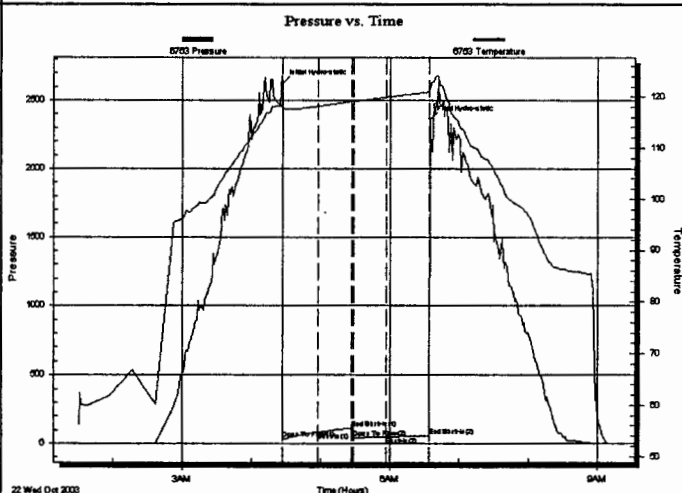
Time Off Btm: **2003.10.22 @ 06:34:29**

TEST COMMENT: **Weak blow died in 16 min.**

No return

No blow

No return



PRESSURE SUMMARY

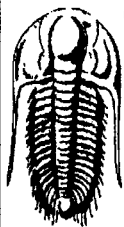
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2627.94	118.42	Initial Hydro-static
1	35.17	117.87	Open To Flow (1)
31	85.04	118.13	Shut-in(1)
61	114.35	119.07	End Shut-in(1)
62	40.91	119.07	Open To Flow (2)
91	50.16	119.92	Shut-in(2)
128	58.95	120.93	End Shut-in(2)
129	2362.52	121.64	Final Hydro-static

Recovery

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

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum

Rooney 1-31

P.O. Box 780208
Wichita KS 67278

31-30-31

Job Ticket: 17715

DST#: 2

ATTN: Paul Gunzelman

Test Start: 2003.10.22 @ 01:30:31

Tool Information

Drill Pipe:	Length: 5155.00 ft	Diameter: 3.80 inches	Volume: 72.31 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: 30000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 85000.00 lb
		Total Volume: 72.90 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	5291.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	84.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5270.00	
Shut In Tool	5.00			5275.00	
Hydraulic tool	5.00			5280.00	
Safety Joint	2.00			5282.00	
Packer	5.00			5287.00	22.00 Bottom Of Top Packer
Packer	4.00			5291.00	
Stubb	1.00			5292.00	
Recorder	0.00	6753	Inside	5292.00	
Perforations	23.00			5315.00	
Change Over Sub	1.00			5316.00	
drillpipe	31.00			5347.00	
Change Over Sub	1.00			5348.00	
Recorder	0.00	11058	Outside	5348.00	
Bullnose	5.00			5353.00	62.00 Bottom Packers & Anchor

Total Tool Length: 84.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum

Rooney 1-31

P.O. Box 780208
Wichita KS 67278

31-30-31

Job Ticket: 17715

DST#: 2

ATTN: Paul Gunzelman

Test Start: 2003.10.22 @ 01:30:31

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:

2100 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 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:

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DST Test Number: 2

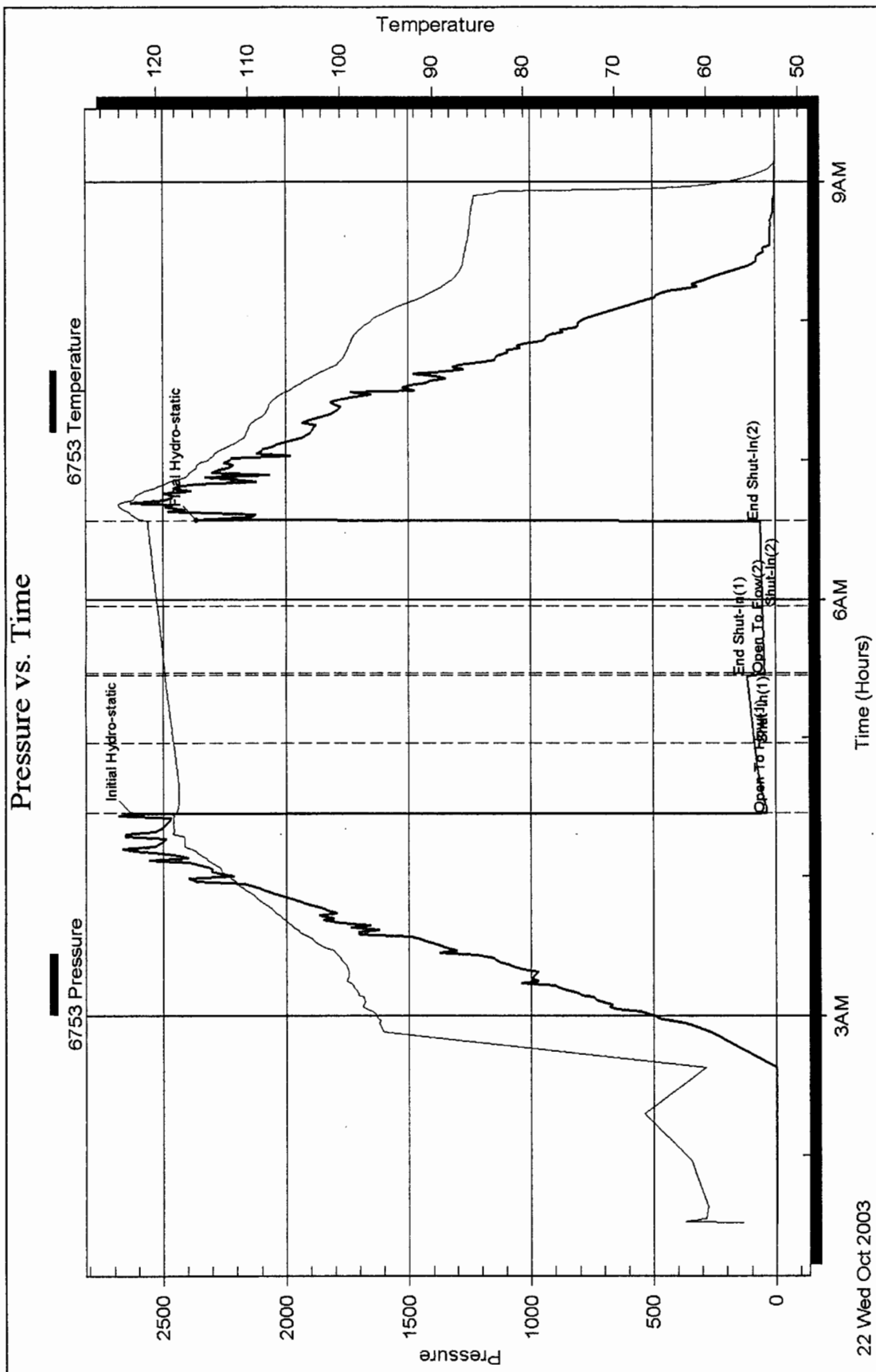
31-30-31

McCoy Petroleum

Inside

Serial #: 6753

Pressure vs. Time



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KCC WICHITA

Ref. No: 17715

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