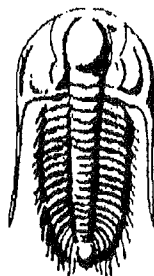


15-097-21656

2-27s-19w

Stud



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **McCoy Petl.Corp.**

6000 E. Central, Ste. 300
Wichita Ks. 67206

JUL 2 2009

CONFIDENTIAL
ATTN: Robert Hendrix

2-27s-19w Kiowa KS

Ardery A GU #1-2

Start Date: 2009.06.21 @ 06:05:55

End Date: 2009.06.21 @ 14:37:25

Job Ticket #: 35067 DST #: 1

15-097-21656

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

McCoy Petl.Corp.

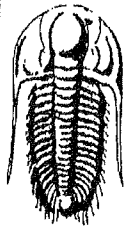
Ardery A GU #1-2

2-27s-19w Kiowa KS

DST # 1

Miss.

2009.06.21



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

McCoy Pet. Corp.

8080 E. Central, Ste. 300
Wichita Ks. 67206

ATTN: Robert Hendrix

Ardery A GU #1-2

2-27s-19w Kiowa KS

Job Ticket: 35067

DST#: 1

Test Start: 2009.06.21 @ 06:05:55

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:22:10

Time Test Ended: 14:37:25

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **4785.00 ft (KB) To 4802.00 ft (KB) (TVD)**

Total Depth: 4802.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2251.00 ft (KB)

2242.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8167

Inside

Press@RunDepth: 43.12 psig @ 4786.00 ft (KB)

Start Date: 2009.06.21

End Date: 2009.06.21

Start Time: 06:06:00

End Time: 14:37:24

Capacity: 7000.00 psig

Last Calib.: 2009.06.21

Time On Btm: 2009.06.21 @ 08:20:10

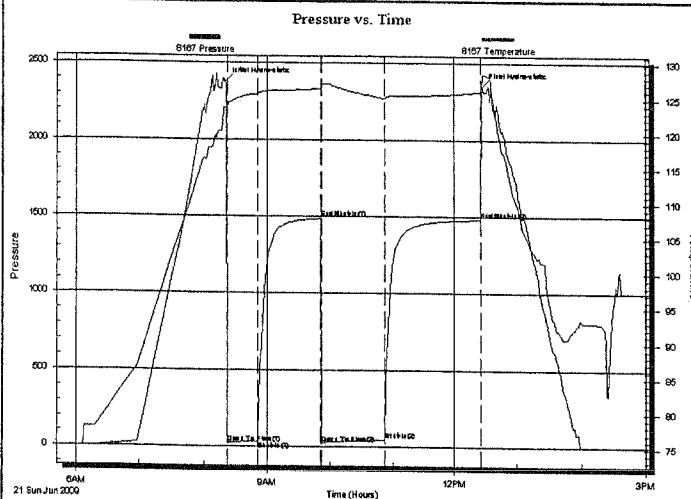
Time Off Btm: 2009.06.21 @ 12:26:39

TEST COMMENT: IF: Strong blow . B.O.B. in 10 secs. GTS in 30 mins.

IS: No blow .

FF: Strong blow . (see gas flow report)

FS: Weak blow . 1 - 3 1/2".



PRESSURE SUMMARY

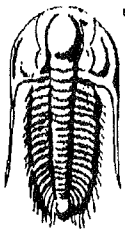
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2376.90	123.63	Initial Hydro-static
2	22.39	123.30	Open To Flow (1)
31	34.66	125.68	Shut-In (1)
91	1485.64	126.50	End Shut-In (1)
92	22.72	126.92	Open To Flow (2)
152	43.12	125.04	Shut-In (2)
246	1480.89	126.09	End Shut-In (2)
247	2350.46	128.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	SGCM 4%g 96% m	0.20

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petl. Corp.

8080 E. Central, Ste. 300
Wichita Ks. 67206

ATTN: Robert Hendrix

Ardery A GU #1-2

2-27s-19w Kiowa KS

Job Ticket: 35067

DST#: 1

Test Start: 2009.06.21 @ 06:05:55

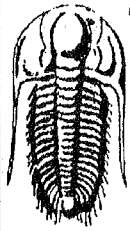
Tool Information

Drill Pipe:	Length: 4555.00 ft	Diameter: 3.80 inches	Volume: 63.89 bbl	Tool Weight:	2400.00 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: 217.00 ft	Diameter: 2.25 inches	Volume: 1.07 bbl	Weight to Pull Loose:	81000.00 lb
		Total Volume:	64.96 bbl	Tool Chased	2.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	74000.00 lb
Depth to Top Packer:	4785.00 ft			Final	76000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	17.00 ft				
Tool Length:	40.00 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			4763.00	
Shut In Tool	5.00			4768.00	
Hydraulic tool	5.00			4773.00	
Safety Joint	3.00			4776.00	
Packer	4.00			4780.00	23.00 Bottom Of Top Packer
Packer	5.00			4785.00	
Stubb	1.00			4786.00	
Recorder	0.00	8167	Inside	4786.00	
Recorder	0.00	8370	Inside	4786.00	
Perforations	11.00			4797.00	
Bullnose	5.00			4802.00	17.00 Bottom Packers & Anchor

Total Tool Length: 40.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petr. Corp.

Ardery A GU #1-2

8080 E. Central, Ste. 300
Wichita Ks. 67206

2-27s-19w Kiowa KS

Job Ticket: 35067

DST#: 1

ATTN: Robert Hendrix

Test Start: 2009.06.21 @ 06:05:55

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:

4000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.17 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	SGCM 4%g 96%m	0.197

Total Length: 40.00 ft

Total Volume: bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

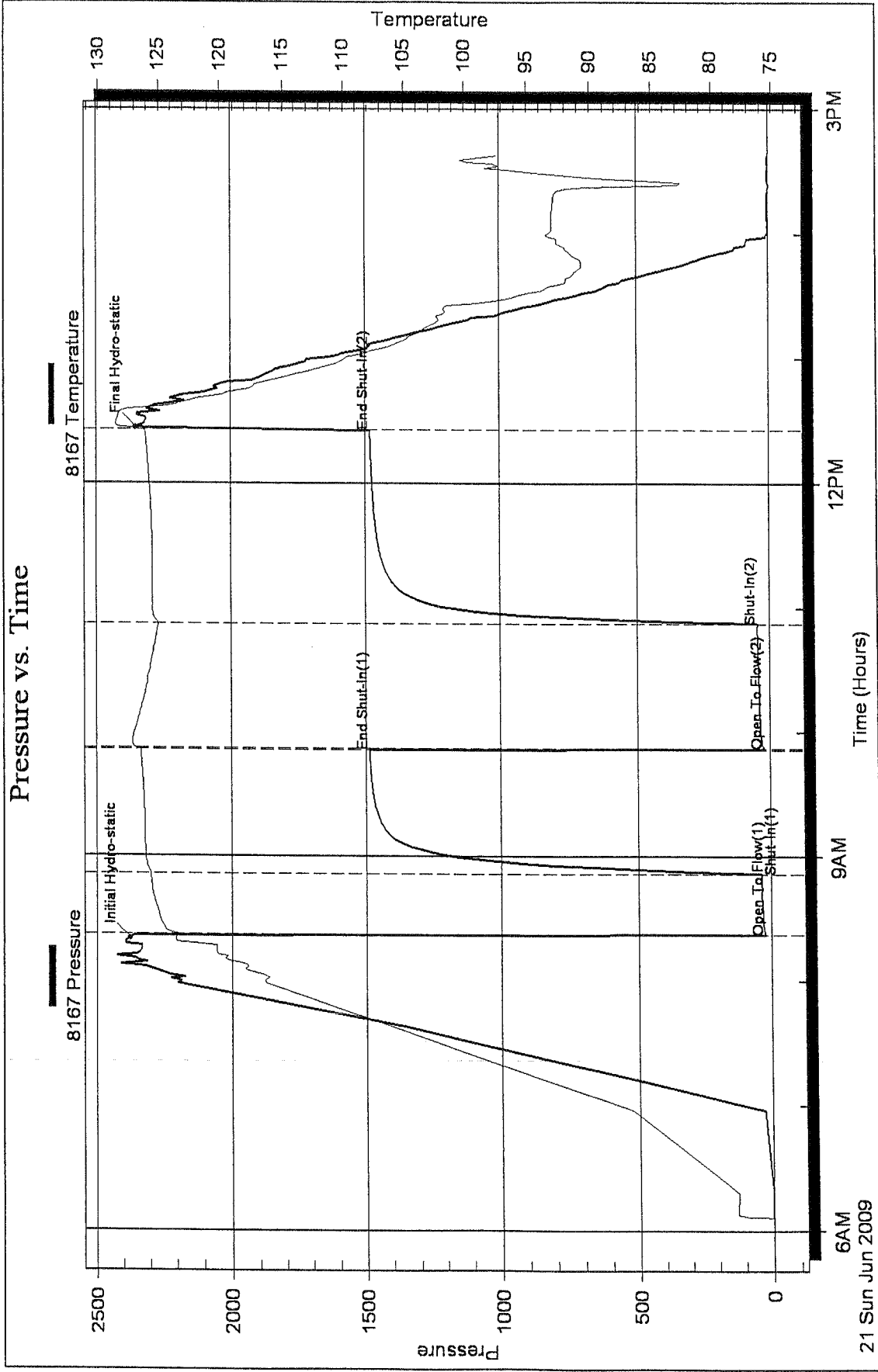
Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:

Pressure vs. Time

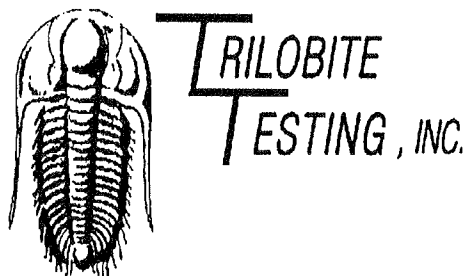




GAS VOLUME REPORT

1

[illegible]



DRILL STEM TEST REPORT

Prepared For: **McCoy Petl.Corp.**

8080 E. Central, Ste. 300
Wichita Ks. 67206

ATTN: Robert Hendrix

2-27s-19w Kiowa KS

Ardery A GU #1-2

Start Date: 2009.06.21 @ 23:12:37

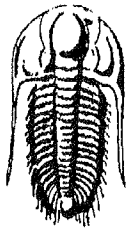
End Date: 2009.06.22 @ 07:40:52

Job Ticket #: 35068 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

McCoy Pet. Corp.

8080 E. Central, Ste. 300
Wichita Ks. 67206

ATTN: Robert Hendrix

Arderly A GU #1-2

2-27s-19w Kiowa KS

Job Ticket: 35068

DST#: 2

Test Start: 2009.06.21 @ 23:12:37

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 01:17:22

Time Test Ended: 07:40:52

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **39**

Interval: 4802.00 ft (KB) To 4812.00 ft (KB) (TVD)

Total Depth: 4812.00 ft (KB) (TVD)

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

Reference Elevations: **2251.00 ft (KB)**

2242.00 ft (CF)

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

Serial #: 8167

Inside

Press@RunDepth: **171.11 psig @ 4803.00 ft (KB)**

Start Date: **2009.06.21**

End Date: **2009.06.22**

Capacity: **7000.00 psig**

Last Calib.: **2009.06.22**

Start Time: **23:12:42**

End Time: **07:40:51**

Time On Btm: **2009.06.22 @ 01:14:22**

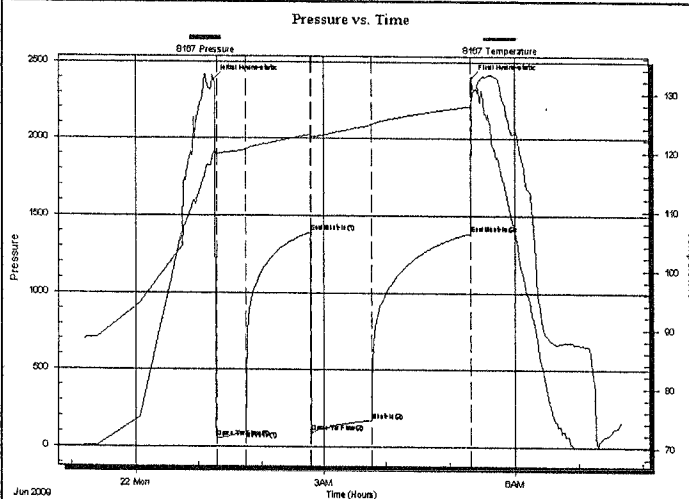
Time Off Btm: **2009.06.22 @ 05:19:36**

TEST COMMENT: IF: Strong blow. B.O.B. in 2 - 3 secs. GTS in 9 mins. (see gas flow report)

ISI: Weak blow. 1/4".

FF: Strong blow. (see gas flow report)

FSI: Weak blow. 1 - 2".



PRESSURE SUMMARY

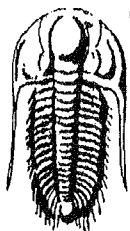
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2381.86	120.01	Initial Hydro-static
3	55.12	119.69	Open To Flow (1)
31	98.40	120.40	Shut-In(1)
93	1390.76	123.05	End Shut-In(1)
94	95.43	122.67	Open To Flow (2)
152	171.11	124.67	Shut-In(2)
245	1384.96	127.87	End Shut-In(2)
246	2396.14	129.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	SW / Rw .07 ohms@ 76 deg.	2.37
10.00	MW 36% m 64% w	0.14

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petr. Corp.

8080 E. Central, Ste. 300
Wichita Ks. 67206

ATTN: Robert Hendrix

Ardery A GU #1-2

2-27s-19w Kiowa KS

Job Ticket: 35068

DST#: 2

Test Start: 2009.06.21 @ 23:12:37

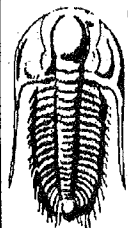
Tool Information

Drill Pipe:	Length: 4587.00 ft	Diameter: 3.80 inches	Volume: 64.34 bbl	Tool Weight:	2400.00 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: 217.00 ft	Diameter: 2.25 inches	Volume: 1.07 bbl	Weight to Pull Loose:	100000.0 lb	
			Total Volume:	65.41 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	75000.00 lb	
Depth to Top Packer:	4802.00 ft			Final	76000.00 lb	
Depth to Bottom Packer:	ft					
Interval between Packers:	10.00 ft					
Tool Length:	33.00 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			4780.00	
Shut In Tool	5.00			4785.00	
Hydraulic tool	5.00			4790.00	
Safety Joint	3.00			4793.00	
Packer	4.00			4797.00	23.00 Bottom Of Top Packer
Packer	5.00			4802.00	
Stubb	1.00			4803.00	
Recorder	0.00	8167	Inside	4803.00	
Recorder	0.00	8370	Inside	4803.00	
Perforations	4.00			4807.00	
Bullnose	5.00			4812.00	10.00 Bottom Packers & Anchor

Total Tool Length: 33.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petr. Corp.

Arderly A GU #1-2

8080 E. Central, Ste. 300
Wichita Ks. 67206

2-27s-19w Kiowa KS

Job Ticket: 35068

DST#: 2

ATTN: Robert Hendrix

Test Start: 2009.06.21 @ 23:12:37

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 47.00 sec/qt

Water Loss: 11.17 in³

Resistivity: 0.00 ohm.m

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity: 119000 ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	SW / Rw .07 ohms @ 76 deg.	2.372
10.00	MW 36% m 64% w	0.140

Total Length: 320.00 ft

Total Volume: 2.512 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

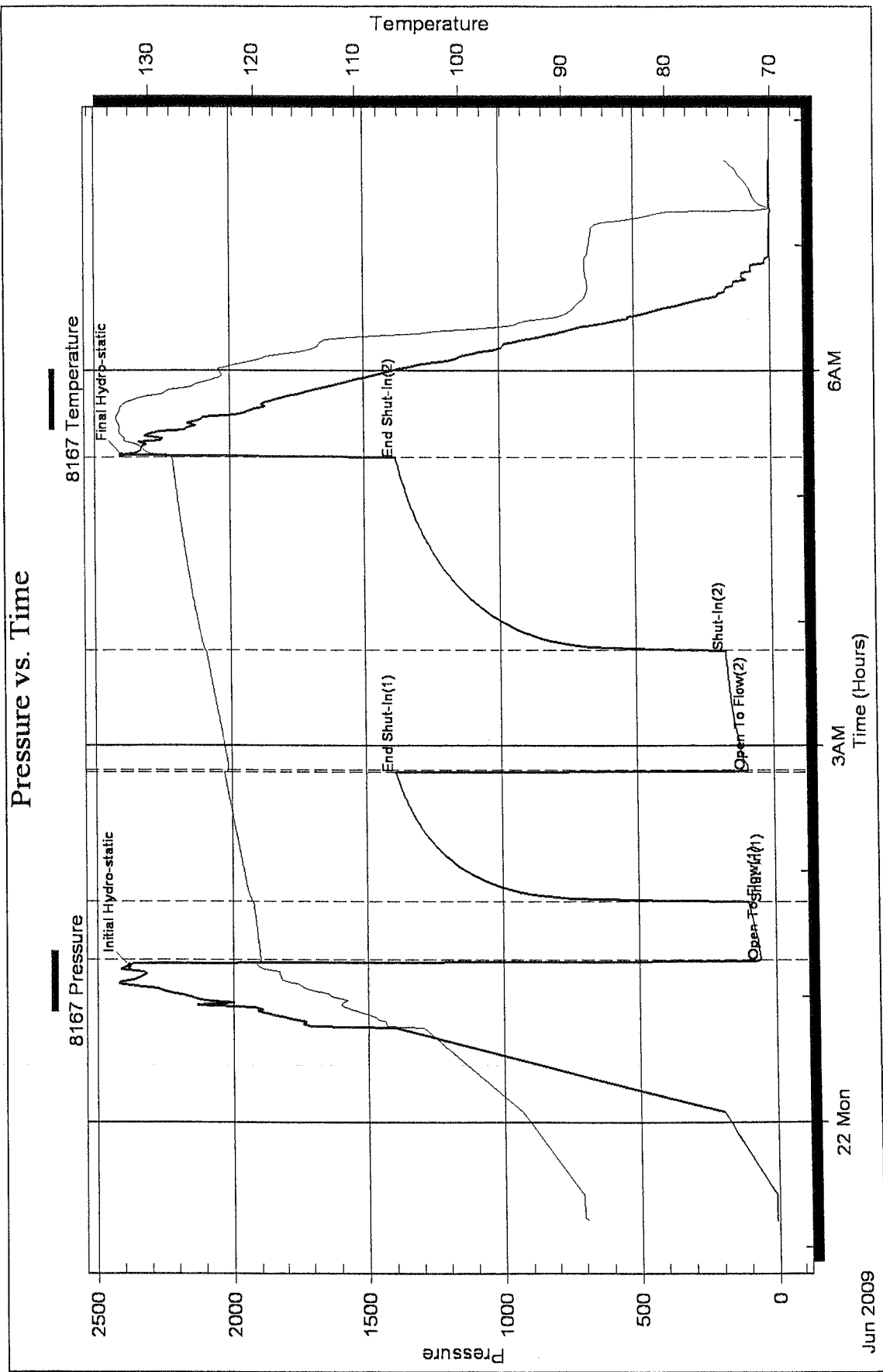
Serial #: gp-2

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:

Pressure vs. Time





GAS VOLUME REPORT

2

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