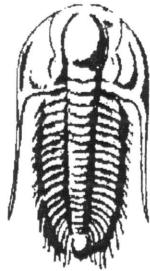


31-30s-18w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **McCoy Petr. Corp.**

8080 E. Central
Ste. 300
Wichita, KS 67206

ATTN: Bob O'Dell

31-30s-18w

Unruh B #1-31

Start Date: 2005.07.16 @ 08:10:48

End Date: 2005.07.16 @ 14:55:48

Job Ticket #: 21470

DST #: 1

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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 Petr. Corp.

8080 E Central
Ste. 300
Wichita, KS 67206
ATTN: Bob O'Dell

Unruh B #1-31

31-30s-18w

Job Ticket: 21470

DST#: 1

Test Start: 2005.07.16 @ 08:10:48

GENERAL INFORMATION:

Formation: **Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:36:18

Time Test Ended: 14:55:48

Test Type: Conventional Bottom Hole

Tester: Davy Cline

Unit No: 24

Interval: 4850.00 ft (KB) To 4890.00 ft (KB) (TVD)

Total Depth: 4890.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2178.00 ft (KB)

2169.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6753

Inside

Press@RunDepth: 33.24 psig @ 4851.00 ft (KB)

Start Date: 2005.07.16

End Date:

2005.07.16

Start Time: 08:10:49

End Time:

14:55:48

Capacity: 7000.00 psig

Last Calib.: 2005.07.16

Time On Btm: 2005.07.16 @ 10:34:48

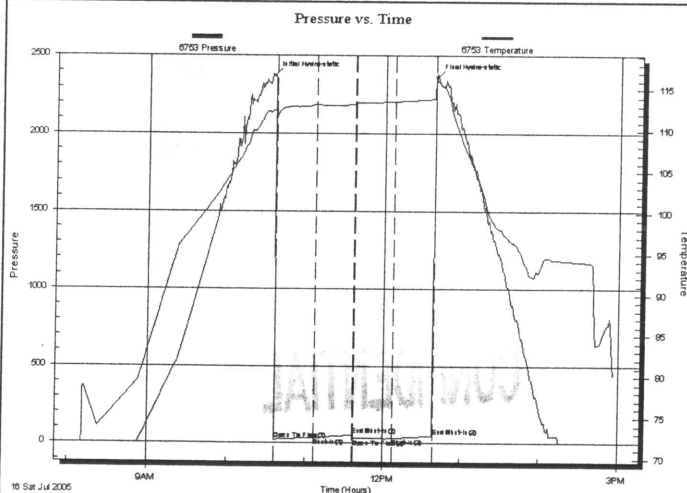
Time Off Btm: 2005.07.16 @ 12:39:33

TEST COMMENT: IF: Weak blow. Blew a weak surface blow throughout flow period.

IS: Bled off. No blow back.

FF: Weak blow. Slowly increased to 1/2 in. blow in water.

FS: Bled off. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2370.25	112.47	Initial Hydro-static
2	20.10	111.81	Open To Flow (1)
33	33.76	113.15	Shut-In(1)
62	52.30	113.17	End Shut-In(1)
63	30.44	113.29	Open To Flow (2)
93	33.24	113.55	Shut-In(2)
124	47.36	113.86	End Shut-In(2)
125	2361.03	116.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	SI GCM 100% m	0.10

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.

Unruh B #1-31

8080 E Central
Ste. 300
Wichita, KS 67206
ATTN: Bob O'Dell

31-30s-18w

Job Ticket: 21470

DST#: 1

Test Start: 2005.07.16 @ 08:10:48

Tool Information

Drill Pipe:	Length: 4590.00 ft	Diameter: 3.25 inches	Volume: 47.10 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: 20000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 90000.00 lb
			Total Volume: 48.32 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 73000.00 lb
Depth to Top Packer:	4850.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	68.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4823.00	
Shut In Tool	5.00			4828.00	
Hydraulic tool	5.00			4833.00	
Jars	5.00			4838.00	
Safety Joint	2.00			4840.00	
Packer	5.00			4845.00	28.00 Bottom Of Top Packer
Packer	5.00			4850.00	
Stubb	1.00			4851.00	
Recorder	0.00	6753	Inside	4851.00	
Perforations	36.00			4887.00	
Recorder	0.00	13400	Outside	4887.00	
Bullnose	3.00			4890.00	40.00 Bottom Packers & Anchor

Total Tool Length: 68.00

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petr. Corp.

Unruh B #1-31

8080 E Central
Ste. 300
Wichita, KS 67206
ATTN: Bob O'Dell

31-30s-18w

Job Ticket: 21470

DST#: 1

Test Start: 2005.07.16 @ 08:10:48

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 9.57 in³

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: 0.10 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	SIGCM 100% _m	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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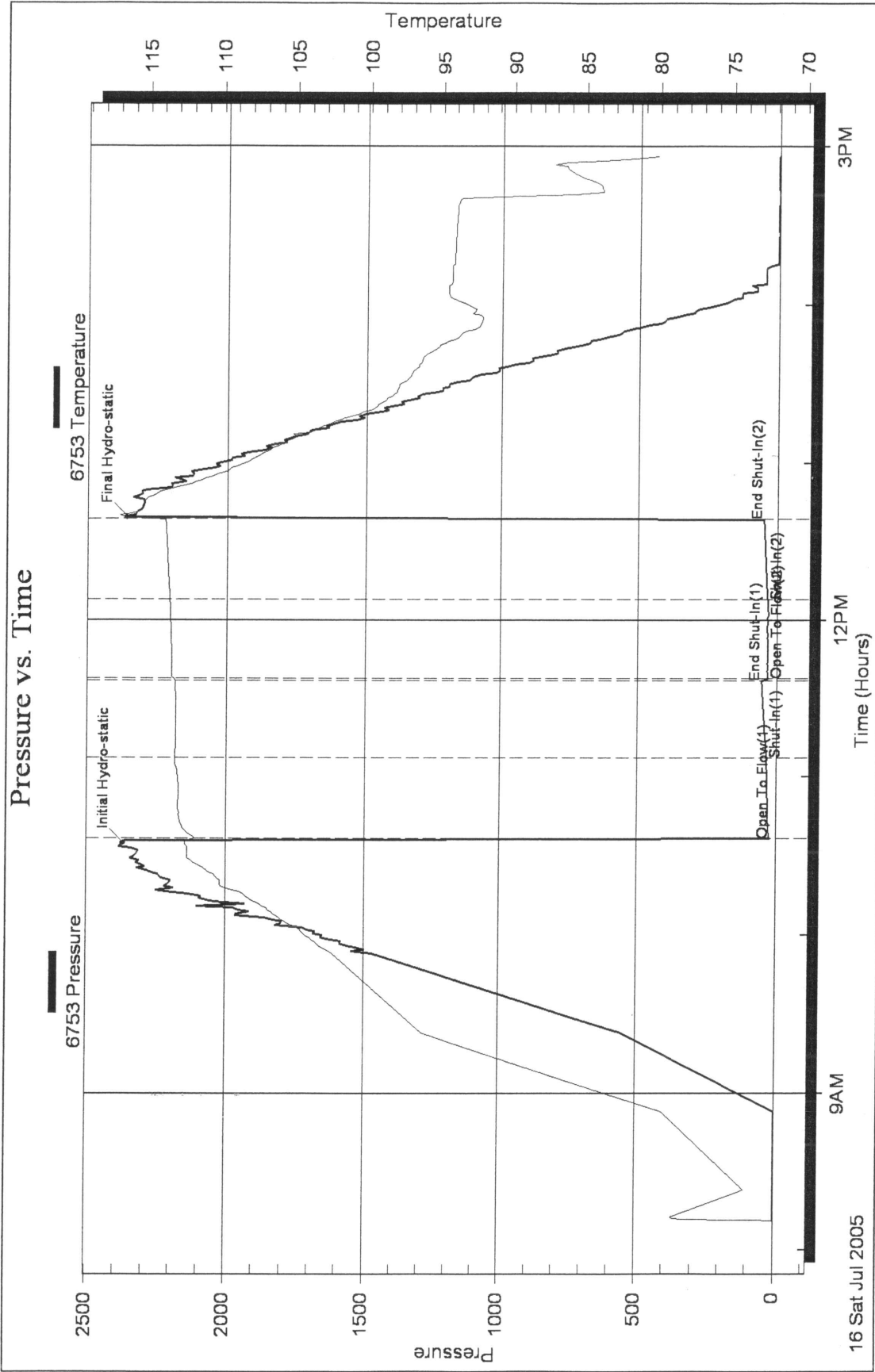
Serial #: 6753

Inside

McCoy Petr. Corp.

31-30s-18w

DST Test Number: 1

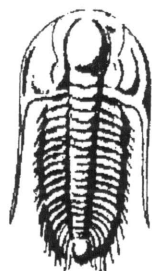


Trilobite Testing, Inc

Ref. No: 21470

Printed: 2005.07.25 @ 11:09:46 Page 5

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

CONFIDENTIAL

Prepared For: **McCoy Petr. Corp.**

8080 E. Central
Ste. 300
Wichita, KS 67206

ATTN: Bob O'Dell

31-30s-18w

Unruh B #1-31

Start Date: 2005.07.17 @ 06:57:54

End Date: 2005.07.17 @ 16:16:09

Job Ticket #: 21471

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 Petr. Corp.

8080 E Central
Ste. 300
Wichita, KS 67206
ATTN: Bob O'Dell

Unruh B #1-31

31-30s-18w

Job Ticket: 21471

DST#: 2

Test Start: 2005.07.17 @ 06:57:54

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 09:21:24

Time Test Ended: 16:16:09

Test Type: **Conventional Bottom Hole**

Tester: **Davy Cline**

Unit No: **24**

Interval: **4996.00 ft (KB) To 5035.00 ft (KB) (TVD)**

Total Depth: **4890.00 ft (KB) (TVD)**

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

Reference Elevations: **2178.00 ft (KB)**

2169.00 ft (CF)

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

Serial #: **6753**

Inside

Press@RunDepth: **138.60 psig @ 4997.00 ft (KB)**

Start Date: **2005.07.17** End Date: **2005.07.17**

Start Time: **06:57:55** End Time: **16:16:09**

Capacity: **7000.00 psig**

Last Calib.: **2005.07.17**

Time On Btm: **2005.07.17 @ 09:20:39**

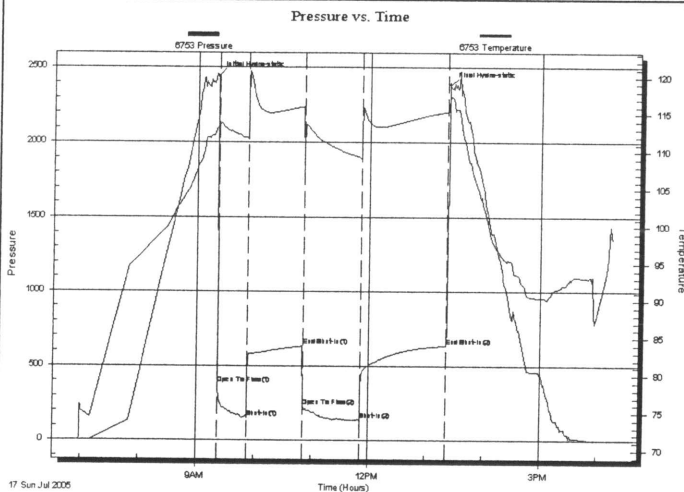
Time Off Btm: **2005.07.17 @ 13:24:24**

TEST COMMENT: IF: Strong blow. BOB 18 sec. GTS 2 min. 45 sec. Gauged gas. (See gas flow sheet w/ Test Ticket)

IS: Bled off for 20 min. No blow back.

FF: Strong blow. BOB immediately. Gasuged gas.

FS: Bled of



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2444.01	113.24	Initial Hydro-static
1	376.66	113.39	Open To Flow (1)
32	152.51	111.70	Shut-In(1)
91	629.75	116.05	End Shut-In(1)
91	229.20	107.86	Open To Flow (2)
151	138.60	109.26	Shut-In(2)
242	632.02	115.41	End Shut-In(2)
244	2381.56	116.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	G & SI WCM 14%w 86% m	0.32
60.00	G & SI WCM 20%w 80% m	0.30
0.00	Gas in all fluid free pipe.	0.00

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.

Unruh B #1-31

8080 E Central
Ste. 300
Wichita, KS 67206
ATTN: Bob O'Dell

31-30s-18w

Job Ticket: 21471

DST#: 2

Test Start: 2005.07.17 @ 06:57:54

Tool Information

Drill Pipe:	Length: 4744.00 ft	Diameter: 3.25 inches	Volume: 48.68 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: 20000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 90000.00 lb
			Total Volume: 49.90 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 73000.00 lb
Depth to Top Packer:	4996.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4969.00	
Shut In Tool	5.00			4974.00	
Hydraulic tool	5.00			4979.00	
Jars	5.00			4984.00	
Safety Joint	2.00			4986.00	
Packer	5.00			4991.00	28.00 Bottom Of Top Packer
Packer	5.00			4996.00	
Stubb	1.00			4997.00	
Recorder	0.00	6753	Inside	4997.00	
Perforations	35.00			5032.00	
Recorder	0.00	13400	Outside	5032.00	
Bullnose	3.00			5035.00	39.00 Bottom Packers & Anchor

Total Tool Length: 67.00

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petr. Corp.

Unruh B #1-31

8080 E Central
Ste. 300
Wichita, KS 67206
ATTN: Bob O'Dell

31-30s-18w

Job Ticket: 21471

DST#: 2

Test Start: 2005.07.17 @ 06:57:54

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 9.58 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: 0.10 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	G & SI WCM 14%w 86%m	0.320
60.00	G & SI WCM 20%w 80%m	0.295
0.00	Gas in all fluid free pipe.	0.000

Total Length: 125.00 ft

Total Volume: 0.615 bbl

Num Fluid Samples: 1

Num Gas Bombs: 0

Serial #: DC

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:

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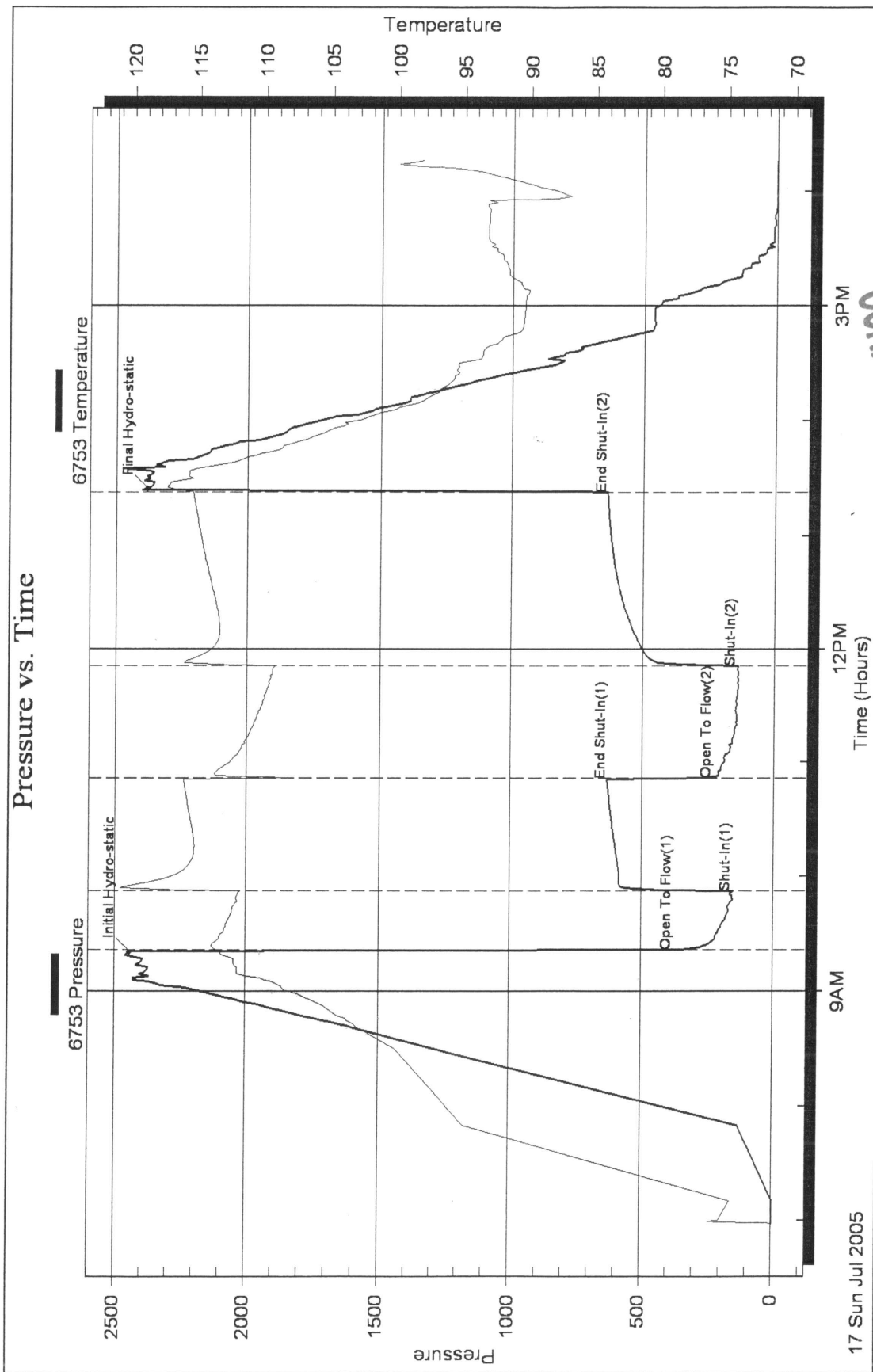
Serial #: 6753

Inside

McCoy Petr. Corp.

31-30s-18w

DST Test Number: 2

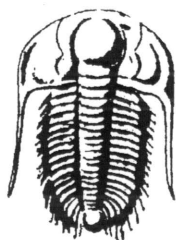


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Trilobite Testing, Inc

Ref. No: 21471

Printed: 2005.07.25 @ 11:10:56 Page 5



TRILOBITE
TESTING, INC.

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PO Box 362 - Hays, Kansas 67601 - (785) 625-4778

GAS VOLUME REPORT

Operator: McCoy Petroelum Corp.

Well Name: Unruh "B" #1-31

DST #:

2

Remarks:

Min:	Ins. Of water	Orifice size	MCF/D	Min:	PSI	Orifice size	MCF/D
				5	30	1"	951
				10	38	1"	1120
				15	35	1"	1057
				20	31	1"	973
				25	27	1"	887
				30	25	1"	840
				5	31	1"	973
				10	34	1"	1043
				15	32	1"	994
				20	29	1"	930
				25	26	1"	865
				30	24	1"	817
				35	23	1"	796
				40	22	1"	773
				45	22	1"	773
				50	21	1"	749
				55	21	1"	749
				60	21	1"	749



DRILL STEM TEST REPORT

Prepared For: **McCoy Petr. Corp.**

8080 E. Central
Ste. 300
Wichita, KS 67206

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ATTN: Bob O'Dell

31-30s-18w

Unruh B #1-31

Start Date: 2005.07.18 @ 00:45:09

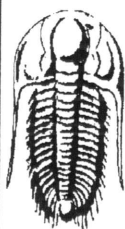
End Date: 2005.07.18 @ 10:09:39

Job Ticket #: 21473 DST #: 3

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 Petr. Corp.

8080 E Central
Ste. 300
Wichita, KS 67206
ATTN: Bob O'Dell

Unruh B #1-31

31-30s-18w

Job Ticket: 21473

DST#: 3

Test Start: 2005.07.18 @ 00:45:09

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 04:06:54

Time Test Ended: 10:09:39

Test Type: Conventional Bottom Hole

Tester: Davy Cline

Unit No: 24

Interval: **5035.00 ft (KB) To 5050.00 ft (KB) (TVD)**

Total Depth: **4890.00 ft (KB) (TVD)**

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

Reference Elevations: **2178.00 ft (KB)**

2169.00 ft (CF)

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

Serial #: **6753**

Inside

Press@RunDepth: **74.72 psig @ 5036.00 ft (KB)**

Start Date: **2005.07.18**

End Date:

2005.07.18

Capacity: **7000.00 psig**

Last Calib.: **2005.07.18**

Start Time: **00:45:10**

End Time:

10:09:39

Time On Btm: **2005.07.18 @ 04:04:54**

Time Off Btm: **2005.07.18 @ 07:36:24**

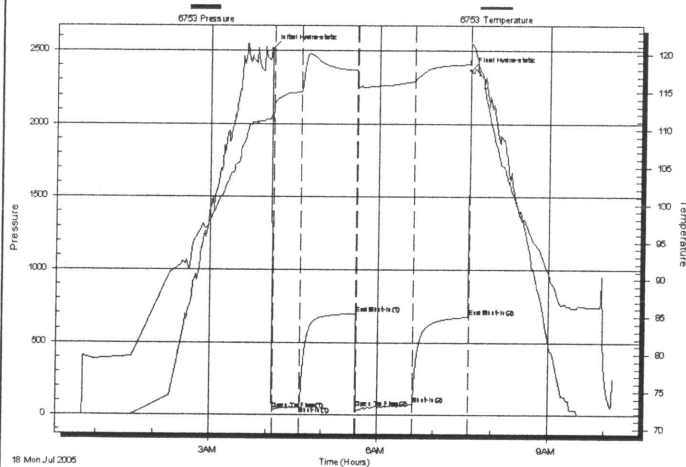
TEST COMMENT: **IF: Strong blow . BOB 32 sec.**

ISI: Bled off. No blow back.

FF: Strong blow . BOB Immediately. GTS 3 min. Gauged gas. (See gas flow sheet)

FSI: Bled off. No blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2512.04	111.97	Initial Hydro-static
2	32.85	113.37	Open To Flow (1)
32	58.77	115.10	Shut-In(1)
91	697.44	118.01	End Shut-In(1)
92	47.52	115.89	Open To Flow (2)
153	74.72	116.41	Shut-In(2)
212	676.06	118.70	End Shut-In(2)
212	2363.05	119.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
145.00	M&WCO 55%g 10%o 15%w 20%cm	0.71
60.00	M&WCO 45%g 25%o 22%w 8%cm	0.30
60.00	SI M&WCO 32%g 58%o 6%w 4%cm	0.38
0.00	Gas in all fluid free pipe.	0.00

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: Bob O'Dell

Unruh B #1-31

31-30s-18w

Job Ticket: 21473

DST#: 3

Test Start: 2005.07.18 @ 00:45:09

Tool Information

Drill Pipe:	Length: 4775.00 ft	Diameter: 3.25 inches	Volume: 48.99 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:	20000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose:	84000.00 lb
		Total Volume:	50.21 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	74000.00 lb
Depth to Top Packer:	5035.00 ft			Final	74000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	15.00 ft				
Tool Length:	43.00 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			5008.00	
Shut In Tool	5.00			5013.00	
Hydraulic tool	5.00			5018.00	
Jars	5.00			5023.00	
Safety Joint	2.00			5025.00	
Packer	5.00			5030.00	28.00 Bottom Of Top Packer
Packer	5.00			5035.00	
Stubb	1.00			5036.00	
Recorder	0.00	6753	Inside	5036.00	
Perforations	11.00			5047.00	
Recorder	0.00	13400	Outside	5047.00	
Bullnose	3.00			5050.00	15.00 Bottom Packers & Anchor

Total Tool Length: 43.00

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petr. Corp.

Unruh B #1-31

8080 E Central
Ste. 300
Wichita, KS 67206
ATTN: Bob O'Dell

31-30s-18w

Job Ticket: 21473

DST#: 3

Test Start: 2005.07.18 @ 00:45:09

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 9.59 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: 0.10 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
145.00	M&WCO 55%g 10%o 15%w 20%m	0.713
60.00	M&WCO 45%g 25%o 22%w 8%m	0.295
60.00	SI M&WCO 32%g 58%o 6%w 4%m	0.381
0.00	Gas in all fluid free pipe.	0.000

Total Length:

265.00 ft

Total Volume:

1.389 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

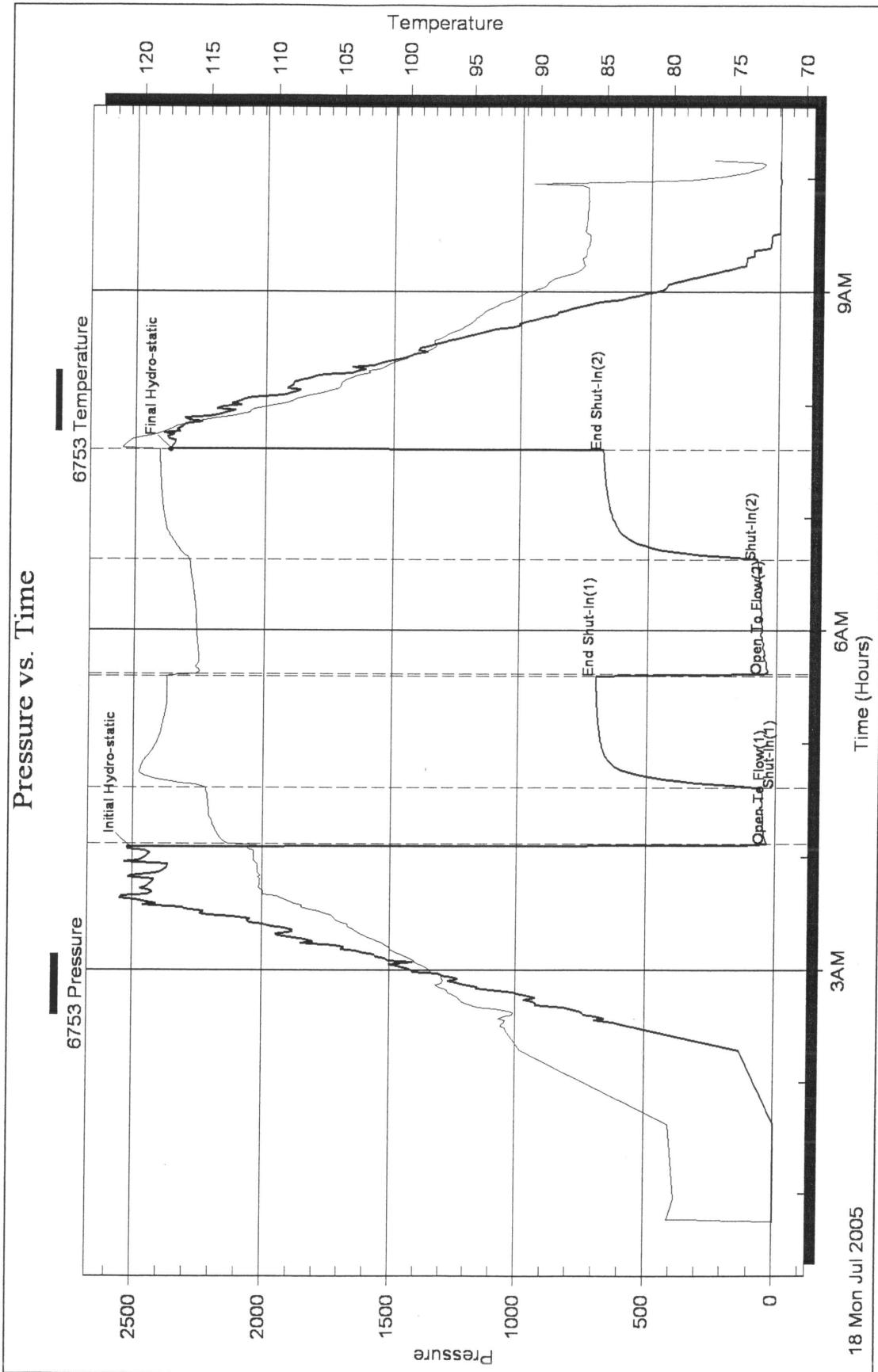
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Serial #: 6753

Inside McCoy Petr. Corp.

31-30s-18w

DST Test Number: 3



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Trilobite Testing, Inc

Ref. No: 21473

Printed: 2005.07.25 @ 11:12:08 Page 5



PO Box 362 - Hays, Kansas 67601 - (785) 625-4778

GAS VOLUME REPORT

Well Name: Unruh "B" #1-31

DST #: 3

Remarks:

[illegible]



DRILL STEM TEST REPORT

Prepared For: **McCoy Petr. Corp.**

8080 E. Central
Ste. 300
Wichita, KS 67206

ATTN: Bob O'Dell

31-30s-18w

Unruh B #1-31

Start Date: 2005.07.18 @ 19:33:50

End Date: 2005.07.19 @ 05:10:20

Job Ticket #: 21474

DST #: 4

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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 Petr. Corp.

8080 E Central
Ste. 300
Wichita, KS 67206
ATTN: Bob O'Dell

Unruh B #1-31

31-30s-18w

Job Ticket: 21474

DST#: 4

Test Start: 2005.07.18 @ 19:33:50

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 22:23:20

Time Test Ended: 05:10:20

Test Type: **Conventional Bottom Hole**

Tester: **Davy Cline**

Unit No: **24**

Interval: **5050.00 ft (KB) To 5065.00 ft (KB) (TVD)**

Total Depth: **5065.00 ft (KB) (TVD)**

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

Reference Elevations: **2178.00 ft (KB)**

2169.00 ft (CF)

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

Serial #: 6753

Inside

Press@RunDepth: **177.89 psig @ 5051.00 ft (KB)**

Start Date: **2005.07.18**

End Date:

2005.07.19

Capacity: **7000.00 psig**

Last Calib.: **2005.07.19**

Start Time: **19:33:51**

End Time:

05:10:20

Time On Btm: **2005.07.18 @ 22:19:50**

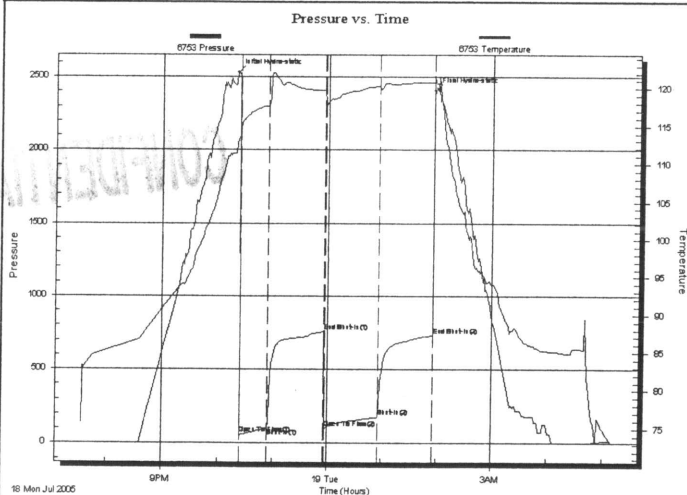
Time Off Btm: **2005.07.19 @ 01:56:20**

TEST COMMENT: IF: Strong blow . BOB 32 sec. GTS 21 min. Gauged gas. (See gas flow sheet)

IS: Bled off for 10 min. Had a weak surface blow @ 30 min.

FF: Strong blow . BOB Immediately . Gauged gas.

FS: Bled off for



PRESSURE SUMMARY

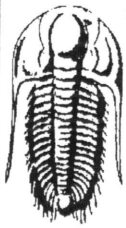
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2527.99	112.82	Initial Hydro-static
4	62.57	114.57	Open To Flow (1)
35	101.23	117.62	Shut-In(1)
97	754.82	119.77	End Shut-In(1)
98	104.09	118.26	Open To Flow (2)
157	177.89	120.34	Shut-In(2)
216	728.68	120.84	End Shut-In(2)
217	2404.67	121.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
105.00	SI W&MC Gsy Oil 57%g 20o 8%w 15% m	0.52
120.00	SI M&WC Gsy Oil 64%g 20%o 10%w 6%	0.59
120.00	SI M&WC Gsy Oil 53%g 21%o 20%w 6%	1.10
60.00	SI M&WC Gsy Oil 48%g 22%o 25%w 5%	0.62
60.00	Salt Water 94%W 6%M	0.62
0.00	Gas in all fluid free pipe.	0.00

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: Bob O'Dell

Unruh B #1-31

31-30s-18w

Job Ticket: 21474

DST#: 4

Test Start: 2005.07.18 @ 19:33:50

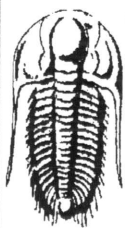
Tool Information

Drill Pipe:	Length: 4778.00 ft	Diameter: 3.25 inches	Volume: 49.03 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:	20000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose:	90000.00 lb
		Total Volume:	50.25 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	74000.00 lb
Depth to Top Packer:	5050.00 ft			Final	75000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	15.00 ft				
Tool Length:	43.00 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			5023.00	
Shut In Tool	5.00			5028.00	
Hydraulic tool	5.00			5033.00	
Jars	5.00			5038.00	
Safety Joint	2.00			5040.00	
Packer	5.00			5045.00	28.00 Bottom Of Top Packer
Packer	5.00			5050.00	
Stubb	1.00			5051.00	
Recorder	0.00	6753	Inside	5051.00	
Perforations	11.00			5062.00	
Recorder	0.00	13400	Outside	5062.00	
Bullnose	3.00			5065.00	15.00 Bottom Packers & Anchor

Total Tool Length: 43.00

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petr. Corp.

Unruh B #1-31

8080 E Central
Ste. 300
Wichita, KS 67206
ATTN: Bob O'Dell

31-30s-18w

Job Ticket: 21474

DST#: 4

Test Start: 2005.07.18 @ 19:33:50

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 12.18 in³

Resistivity: ohm.m

Salinity: 8000.00 ppm

Filter Cake: 0.10 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
105.00	SI W&MC Gsy Oil 57%g 20%o 8%w 15%m	0.516
120.00	SI M&WC Gsy Oil 64%g 20%o 10%w 6%m	0.590
120.00	SI M&WC Gsy Oil 53%g 21%o 20%w 6%m	1.103
60.00	SI M&WC Gsy Oil 48%g 22%o 25%w 5%m	0.616
60.00	Salt Water 94%W 6%M	0.616
0.00	Gas in all fluid free pipe.	0.000

Total Length: 465.00 ft

Total Volume: 3.441 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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Serial #: 6753

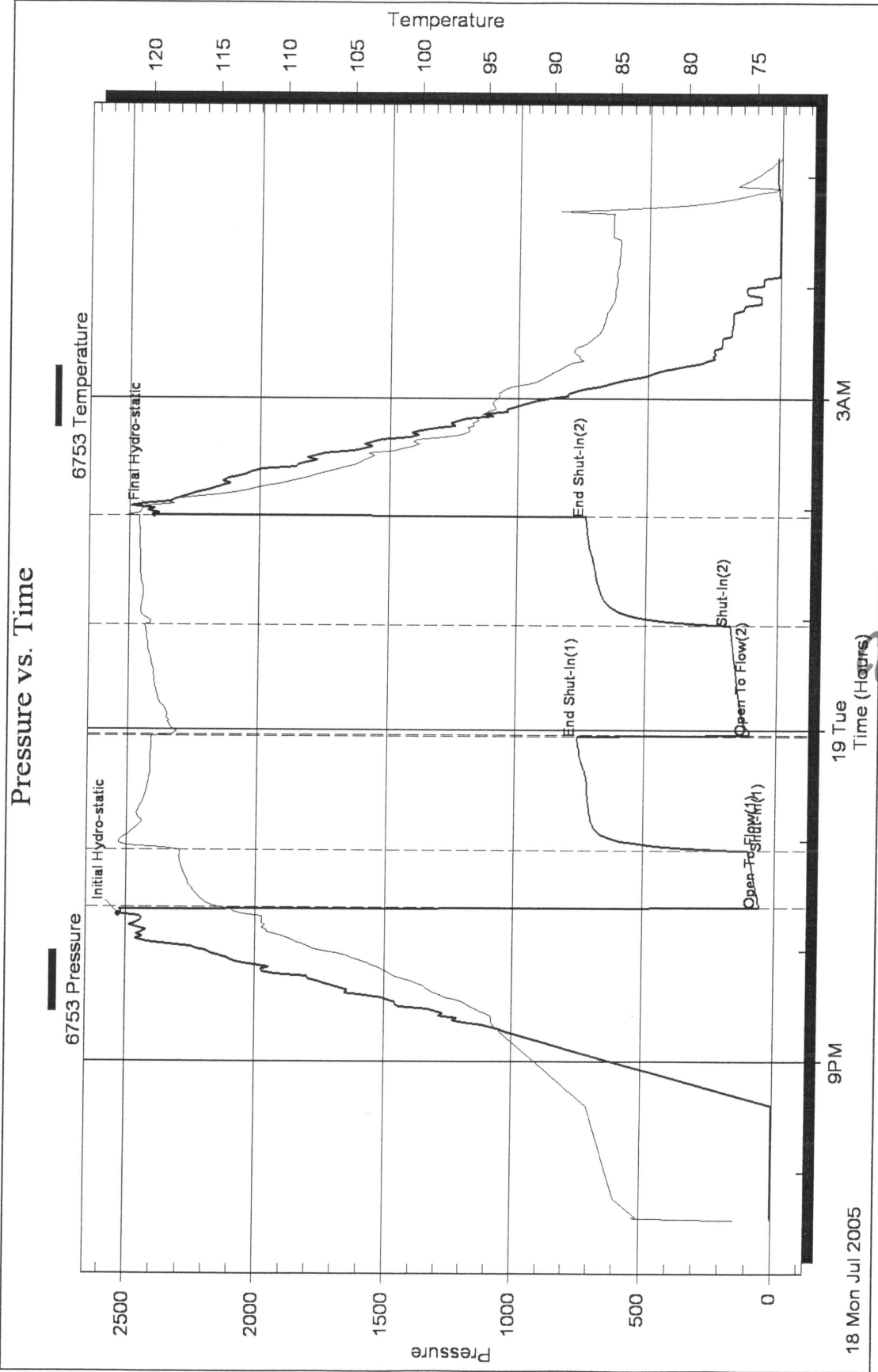
Inside

McCoy Petr. Corp.

31-30s-18w

DST Test Number: 4

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 21474

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DST #: 4

[illegible]