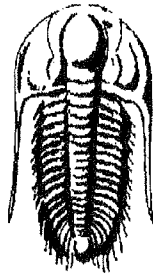


15-063-21756

24-12s-31w KGS ✓



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **H&M Petroleum**

13570 Meadowgrass Dr.
Ste 101
Colorado Springs, CO 80921

ATTN: Rick Hall

24-12s-31w Gove KS

Bonita Springs #3

Start Date: 2008.11.11 @ 09:51:05

End Date: 2008.11.11 @ 16:04:29

Job Ticket #: 34157 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Printed: 2008.11.24 09:05:06 Page 1
RECEIVED
KANSAS CORPORATION COMMISSION

MAR 23 2009

CONSERVATION DIVISION
WICHITA, KS

H&M Petroleum

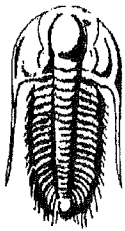
Bonita Springs #3

24-12s-31w Gove KS

DST # 1

Lans. C

2008.11.11



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

H&M Petroleum

13570 Meadowgrass Dr.
Ste 101
Colorado Springs, CO 80921
ATTN: Rick Hall

Bonita Springs #3

24-12s-31w Gove KS

Job Ticket: 34157

DST#: 1

Test Start: 2008.11.11 @ 09:51:05

GENERAL INFORMATION:

Formation: **Lans. C**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 11:23:45
Time Test Ended: 16:04:29

Test Type: **Conventional Bottom Hole**
Tester: **Brandon Domsch**
Unit No: **25**

Interval: **3963.00 ft (KB) To 3978.00 ft (KB) (TVD)**
Total Depth: **3978.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2889.00 ft (KB)**
2884.00 ft (CF)
KB to GRVCF: **5.00 ft**

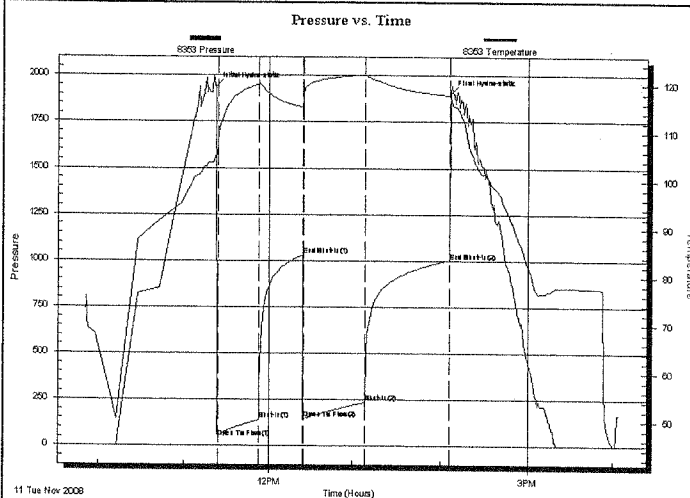
Serial #: 8353

Inside

Press@RunDepth: **236.49 psig @ 3964.00 ft (KB)**
Start Date: **2008.11.11** End Date: **2008.11.11**
Start Time: **09:51:05** End Time: **16:04:29**

Capacity: **7000.00 psig**
Last Calib.: **2008.11.11**
Time On Btm: **2008.11.11 @ 11:22:30**
Time Off Btm: **2008.11.11 @ 14:07:00**

TEST COMMENT: IF: BOB in 13 mins.
IS: No return.
FF: BOB in 21 mins.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1939.76	105.41	Initial Hydro-static
2	45.95	107.68	Open To Flow (1)
31	140.89	120.19	Shut-In(1)
62	1029.03	115.42	End Shut-In(1)
63	147.09	116.78	Open To Flow (2)
106	236.49	122.13	Shut-In(2)
164	1001.37	117.87	End Shut-In(2)
165	1904.50	117.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	O 100%	0.00
0.00	GIP 0	0.00
0.00	API = N/A	0.00
0.00	RW = .070@58F = 150,000	0.00

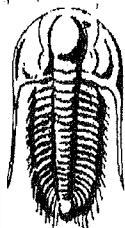
Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc.

Ref. No: 34157

Printed: 2008.11.26 @ 13:05:06 Page 2



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&M Petroleum

Bonita Springs #3

13570 Meadow grass Dr.
Ste 101
Colorado Springs, CO 80921
ATTN: Rick Hall

24-12s-31w Gove KS

Job Ticket: 34157

DST#: 1

Test Start: 2008.11.11 @ 09:51:05

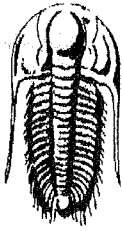
Tool Information

Drill Pipe:	Length: 3836.00 ft	Diameter: 3.80 inches	Volume: 53.81 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume: 54.42 bbl		Tool Chased 5.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3963.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	38.00 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			3941.00	
Shut In Tool	5.00			3946.00	
Hydraulic tool	5.00			3951.00	
Safety Joint	3.00			3954.00	
Packer	5.00			3959.00	23.00 Bottom Of Top Packer
Packer	4.00			3963.00	
Stubb	1.00			3964.00	
Recorder	0.00	8353	Inside	3964.00	
Recorder	0.00	6741	Inside	3964.00	
Perforations	9.00			3973.00	
Bullnose	5.00			3978.00	15.00 Bottom Packers & Anchor

Total Tool Length: 38.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H&M Petroleum

Bonita Springs #3

13570 Meadowgrass Dr.
Ste 101
Colorado Springs, CO 80921
ATTN: Rick Hall

24-12s-31w Gove KS

Job Ticket: 34157

DST#: 1

Test Start: 2008.11.11 @ 09:51:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 6.75 in³

Resistivity: 0.00 ohm.m

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity:

150000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	O 100%	0.005
0.00	GIP 0	0.000
0.00	API = N/A	0.000
0.00	RW = .070 @ 58F = 150,000	0.000

Total Length:

ft

Total Volume:

6.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

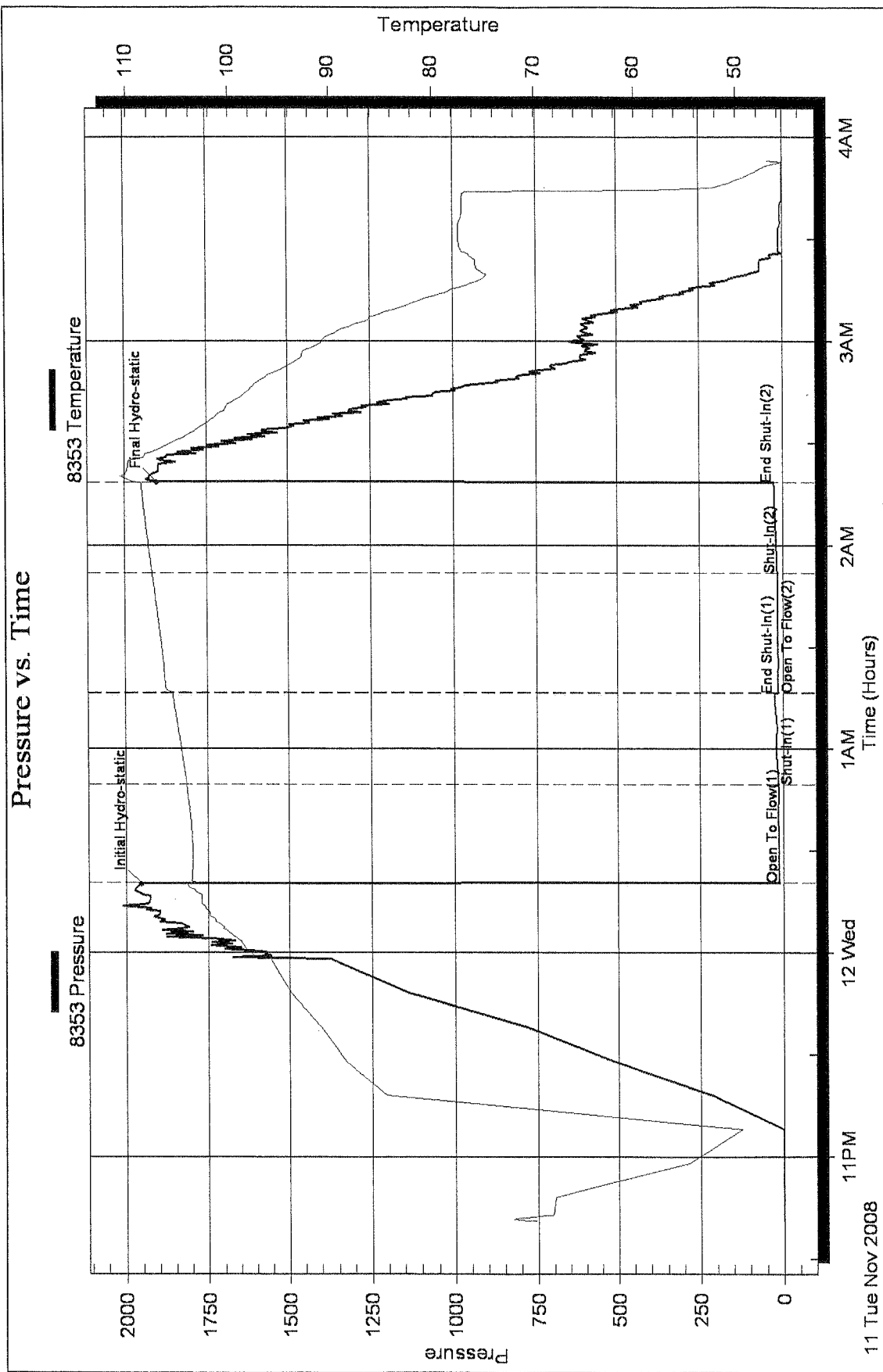
Serial #:

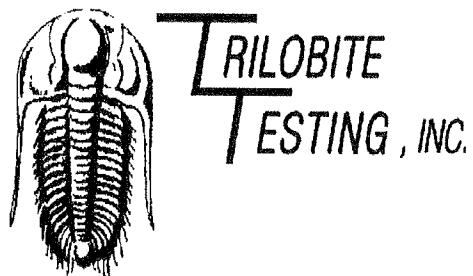
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **H&M Petroleum**

13570 Meadowgrass Dr.
Ste 101
Colorado Springs, CO 80921

ATTN: Rick Hall

24-12s-31w Gove KS

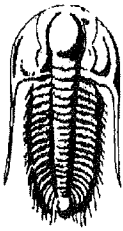
Bonita Springs #3

Start Date: 2008.11.11 @ 22:40:54

End Date: 2008.11.12 @ 03:53:09

Job Ticket #: 33737 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

H&M Petroleum

13570 Meadowgrass Dr.
Ste 101
Colorado Springs, CO 80921
ATTN: Rick Hall

Bonita Springs #3

24-12s-31w Gove KS

Job Ticket: 33737

DST#: 2

Test Start: 2008.11.11 @ 22:40:54

GENERAL INFORMATION:

Formation: **LANSING E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:20:24

Time Test Ended: 03:53:09

Test Type: Conventional Bottom Hole

Tester: KYLE WILEY

Unit No: 25

Interval: **4005.00 ft (KB) To 4021.00 ft (KB) (TVD)**

Total Depth: 4021.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2889.00 ft (KB)

2884.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8353

Inside

Press@RunDepth: 16.14 psig @ 4006.00 ft (KB)

Start Date: 2008.11.11

End Date: 2008.11.12

Start Time: 22:40:59

End Time: 03:53:08

Capacity: 7000.00 psig

Last Calib.: 2008.11.12

Time On Btm: 2008.11.12 @ 00:20:09

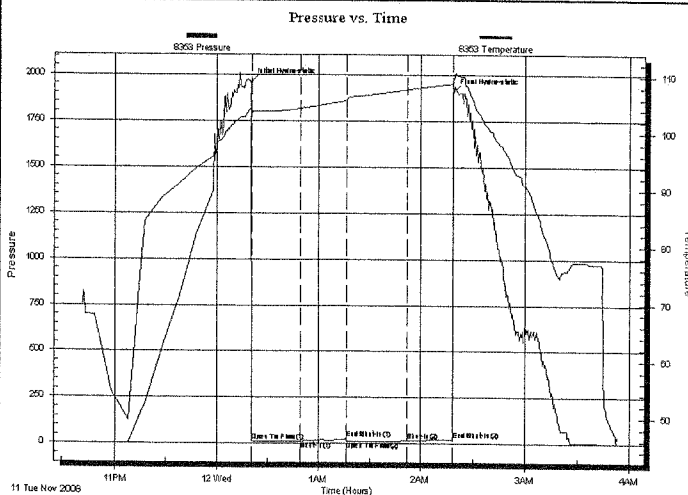
Time Off Btm: 2008.11.12 @ 02:18:39

TEST COMMENT: IF: WEAK BLOW 1/2"

IS:NO RETURN

FF:NO BLOW

FS:NO RETURN



PRESSURE SUMMARY

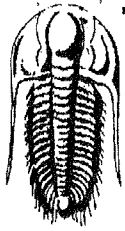
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1954.43	104.32	Initial Hydro-static
1	11.41	103.43	Open To Flow (1)
30	13.91	104.41	Shut-In(1)
56	25.92	105.76	End Shut-In(1)
57	13.58	105.77	Open To Flow (2)
92	16.14	107.71	Shut-In(2)
119	25.52	108.77	End Shut-In(2)
119	1903.26	109.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	OCM 1% Oil 99% Mud	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

H&M Petroleum

Bonita Springs #3

13570 Meadow grass Dr.
Ste 101
Colorado Springs, CO 80921
ATTN: Rick Hall

24-12s-31w Gove KS

Job Ticket: 33737

DST#: 2

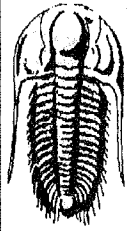
Test Start: 2008.11.11 @ 22:40:54

Tool Information

Drill Pipe:	Length: 3864.00 ft	Diameter: 3.80 inches	Volume: 54.20 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: 27000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume:	54.81 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	4005.00 ft			Final 49000.00 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			3983.00	
Shut In Tool	5.00			3988.00	
Hydraulic tool	5.00			3993.00	
Safety Joint	3.00			3996.00	
Packer	5.00			4001.00	23.00 Bottom Of Top Packer
Packer	4.00			4005.00	
Stubb	1.00			4006.00	
Recorder	0.00	8353	Inside	4006.00	
Recorder	0.00	6741	Inside	4006.00	
Perforations	11.00			4017.00	
Bullnose	5.00			4022.00	17.00 Bottom Packers & Anchor

Total Tool Length: 40.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

H&M Petroleum

Bonita Springs #3

13570 Meadow grass Dr.
Ste 101
Colorado Springs, CO 80921
ATTN: Rick Hall

24-12s-31w Gove KS

Job Ticket: 33737

DST#: 2

Test Start: 2008.11.11 @ 22:40:54

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 5.97 in³

Resistivity: 0.00 ohm.m

Salinity: 1000.00 ppm

Filter Cake: 2.00 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
1.00	OCM 1% Oil 99% Mud	0.005

Total Length: 1.00 ft

Total Volume: 0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

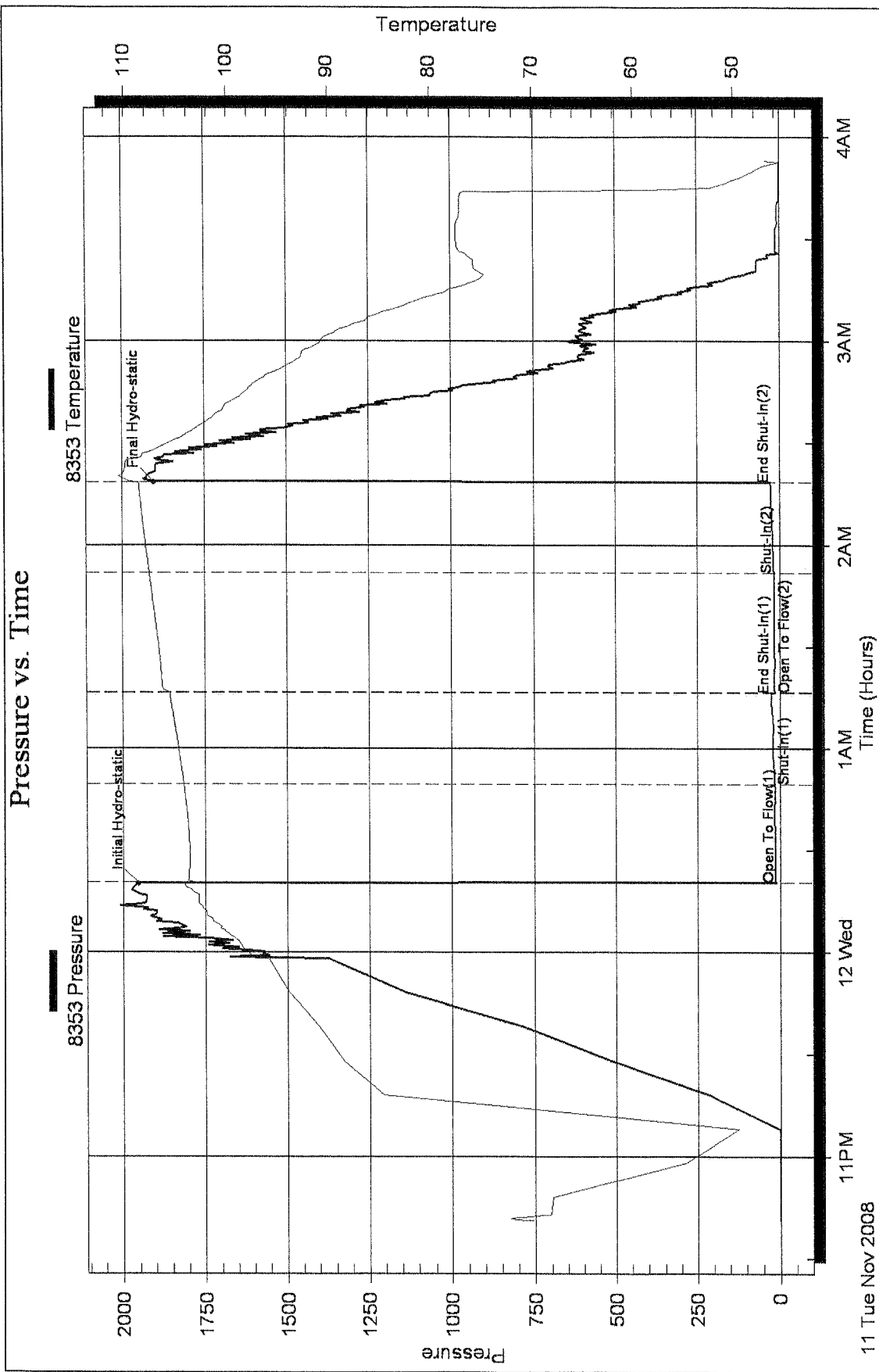
Serial #:

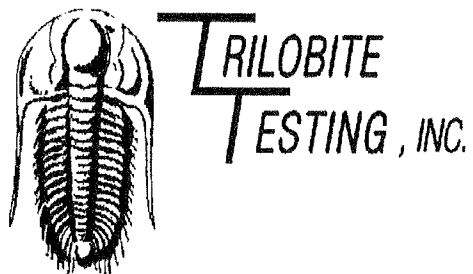
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **H&M Petroleum**

13570 Meadowgrass Dr.
Ste 101
Colorado Springs, CO 80921

ATTN: Rick Hall

24-12s-31w Gove KS

Bonita Springs #3

Start Date: 2008.11.12 @ 12:39:29

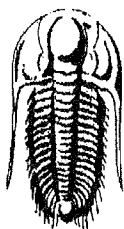
End Date: 2008.11.12 @ 18:46:44

Job Ticket #: 33738 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

H&M Petroleum

13570 Meadow grass Dr.
Ste 101
Colorado Springs, CO 80921
ATTN: Rick Hall

Bonita Springs #3

24-12s-31w Gove KS

Job Ticket: 33738

DST#: 3

Test Start: 2008.11.12 @ 12:39:29

GENERAL INFORMATION:

Formation: **LANSING F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:35:44

Time Test Ended: 18:46:44

Test Type: Conventional Straddle

Tester: KYLE WILEY

Unit No: 25

Interval: **4021.00 ft (KB) To 4034.00 ft (KB) (TVD)**

Total Depth: 4095.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2889.00 ft (KB)

2884.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8353

Inside

Press@RunDepth: 251.63 psig @ 4022.00 ft (KB)

Start Date: 2008.11.12

End Date: 2008.11.12

Start Time: 12:39:34

End Time: 18:46:43

Capacity: 7000.00 psig

Last Calib.: 2008.11.12

Time On Btm: 2008.11.12 @ 14:35:29

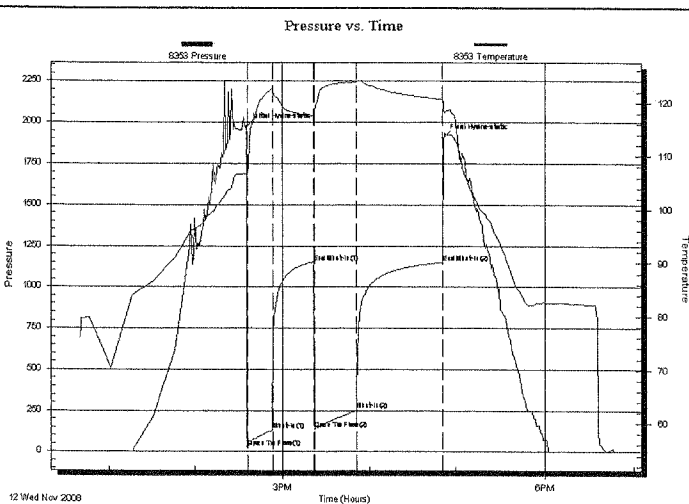
Time Off Btm: 2008.11.12 @ 16:51:14

TEST COMMENT: IF: STRONG BLOW BOB 10 MIN

IS: NO RETURN

FF: STRONG BLOW BOB 10 MIN

FS: NO RETURN



PRESSURE SUMMARY

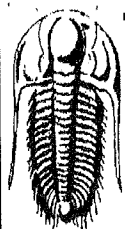
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1974.99	106.61	Initial Hydro-static
1	23.69	106.16	Open To Flow (1)
18	132.44	122.63	Shut-In (1)
46	1147.87	117.45	End Shut-In (1)
47	137.78	117.45	Open To Flow (2)
76	251.63	123.98	Shut-In (2)
136	1150.07	120.62	End Shut-In (2)
136	1905.42	120.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
558.00	MCW 5%M 95%W	6.70
0.00	GIP	0.00
0.00	API = N/A	0.00
0.00	RW=.070@55=100000	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

H&M Petroleum

Bonita Springs #3

13570 Meadowgrass Dr.
Ste 101
Colorado Springs, CO 80921
ATTN: Rick Hall

24-12s-31w Gove KS

Job Ticket: 33738

DST#: 3

Test Start: 2008.11.12 @ 12:39:29

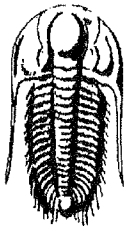
Tool Information

Drill Pipe:	Length: 3899.00 ft	Diameter: 3.80 inches	Volume: 54.69 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	55.30 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	4021.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	4034.00 ft				
Interval between Packers:	13.00 ft				
Tool Length:	103.00 ft				
Number of Packers:	3	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3999.00	
Shut In Tool	5.00			4004.00	
Hydraulic tool	5.00			4009.00	
Safety Joint	3.00			4012.00	
Packer	5.00			4017.00	23.00 Bottom Of Top Packer
Packer	4.00			4021.00	
Stubb	1.00			4022.00	
Recorder	0.00	8353	Inside	4022.00	
Perforations	12.00			4034.00	13.00 Tool Interval
Packer	5.00			4039.00	
Recorder	0.00	6741	Inside	4039.00	
Change Over Sub	1.00			4040.00	
Blank Spacing	60.00			4100.00	
Blank Off Sub	1.00			4101.00	67.00 Bottom Packers & Anchor

Total Tool Length: 103.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

H&M Petroleum

Bonita Springs #3

13570 Meadowgrass Dr.
Ste 101
Colorado Springs, CO 80921
ATTN: Rick Hall

24-12s-31w Gove KS

Job Ticket: 33738

DST#: 3

Test Start: 2008.11.12 @ 12:39:29

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 6.37 in³

Resistivity: 0.00 ohm.m

Salinity: 1800.00 ppm

Filter Cake: 2.00 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
558.00	MCW 5%M 95%W	6.698
0.00	GIP	0.000
0.00	API = N/A	0.000
0.00	RW=.070@55=100000	0.000

Total Length: 558.00 ft

Total Volume: 6.698 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8353

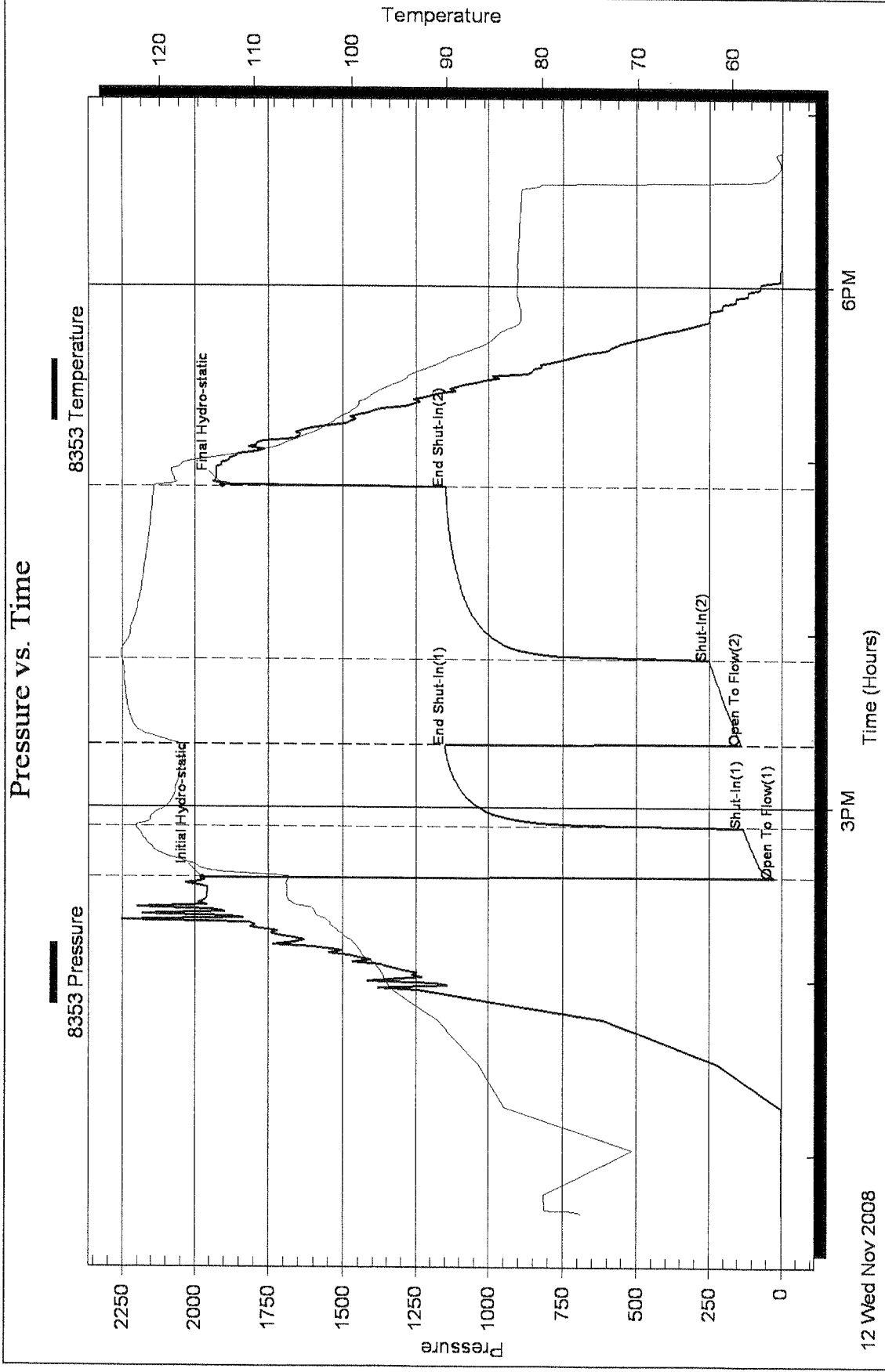
Inside

H&M Petroleum

24-12s-31w Gove KS

DST Test Number: 3

Pressure vs. Time

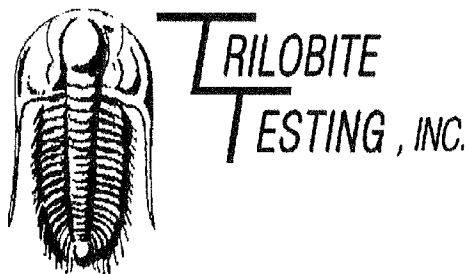


12 Wed Nov 2008

Trilobite Testing, Inc

Ref. No: 33738

Printed: 2008.11.26 @ 13:06:44 Page 5



DRILL STEM TEST REPORT

Prepared For: **H&M Petroleum**

13570 Meadowgrass Dr.
Ste 101
Colorado Springs, CO 80921

ATTN: Rick Hall

24-12s-31w Gove KS

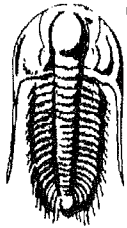
Bonita Springs #3

Start Date: 2008.11.13 @ 09:55:08

End Date: 2008.11.13 @ 16:24:08

Job Ticket #: 33739 DST #: 4

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

H&M Petroleum

13570 Meadow grass Dr.
Ste 101
Colorado Springs, CO 80921
ATTN: Rick Hall

Bonita Springs #3

24-12s-31w Gove KS

Job Ticket: 33739

DST#: 4

Test Start: 2008.11.13 @ 09:55:08

GENERAL INFORMATION:

Formation: **KANSAS CITY H-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:42:53

Time Test Ended: 16:24:08

Test Type: Conventional Bottom Hole

Tester: KYLE WILEY

Unit No: 25

Interval: **4071.00 ft (KB) To 4182.00 ft (KB) (TVD)**

Total Depth: 4182.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2889.00 ft (KB)

2884.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8353

Inside

Press@RunDepth: 285.46 psig @ 4072.00 ft (KB)

Start Date: 2008.11.13

End Date:

2008.11.13

Start Time: 09:55:13

End Time:

16:24:07

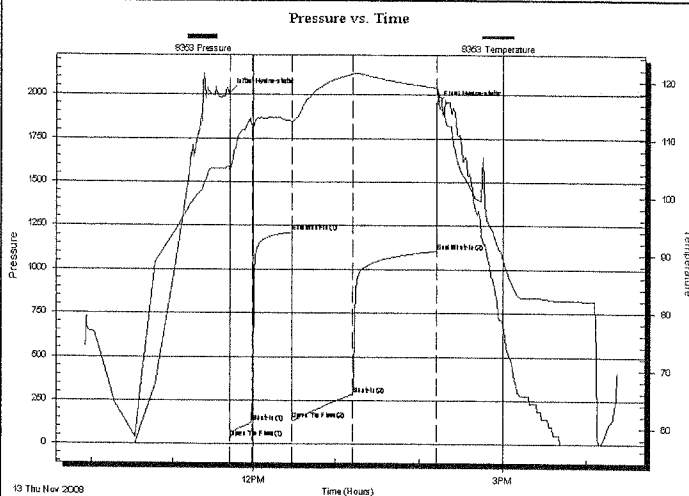
Capacity: 7000.00 psig

Last Calib.: 2008.11.13

Time On Btm: 2008.11.13 @ 11:42:38

Time Off Btm: 2008.11.13 @ 14:12:23

TEST COMMENT: IF:STRONG BLOW BOB 10 MINS
IS:WEAK BLOW BUILT 1"
FF:STRONG BLOW BOB 8 MIN
FS:WEAK BLOW BUILT 4 1/2 "



PRESSURE SUMMARY

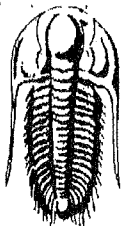
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2012.73	105.25	Initial Hydro-static
1	35.11	104.16	Open To Flow (1)
17	125.06	112.09	Shut-In(1)
46	1211.73	113.14	End Shut-In(1)
46	137.91	112.76	Open To Flow (2)
91	285.46	121.28	Shut-In(2)
150	1105.35	118.89	End Shut-In(2)
150	1948.04	119.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
660.00	GOWCM 15%G 15%O 25%W 45%M	8.13
0.00	API= 39@70=CORRECTED 38	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&M Petroleum

Bonita Springs #3

13570 Meadow grass Dr.
Ste 101
Colorado Springs, CO 80921
ATTN: Rick Hall

24-12s-31w Gove KS

Job Ticket: 33739

DST#: 4

Test Start: 2008.11.13 @ 09:55:08

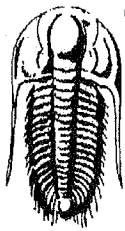
Tool Information

Drill Pipe:	Length: 3931.00 ft	Diameter: 3.80 inches	Volume: 55.14 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: 28000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 55.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4071.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	113.00 ft			
Tool Length:	136.00 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			4049.00	
Shut In Tool	5.00			4054.00	
Hydraulic tool	5.00			4059.00	
Safety Joint	3.00			4062.00	
Packer	5.00			4067.00	23.00 Bottom Of Top Packer
Packer	4.00			4071.00	
Stubb	1.00			4072.00	
Recorder	0.00	8353	Inside	4072.00	
Recorder	0.00	6741	Inside	4072.00	
Perforations	12.00			4084.00	
Change Over Sub	1.00			4085.00	
Blank Spacing	93.00			4178.00	
Change Over Sub	1.00			4179.00	
Bullnose	5.00			4184.00	113.00 Bottom Packers & Anchor

Total Tool Length: 136.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

H&M Petroleum

Bonita Springs #3

13570 Meadowgrass Dr.
Ste 101
Colorado Springs, CO 80921
ATTN: Rick Hall

24-12s-31w Gove KS

Job Ticket: 33739

DST#: 4

Test Start: 2008.11.13 @ 09:55:08

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
660.00	GOWCM 15%G 15%O 25%W 45%M	8.128
0.00	API= 39@70=CORRECTED 38	0.000

Total Length: 660.00 ft

Total Volume: 8.128 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

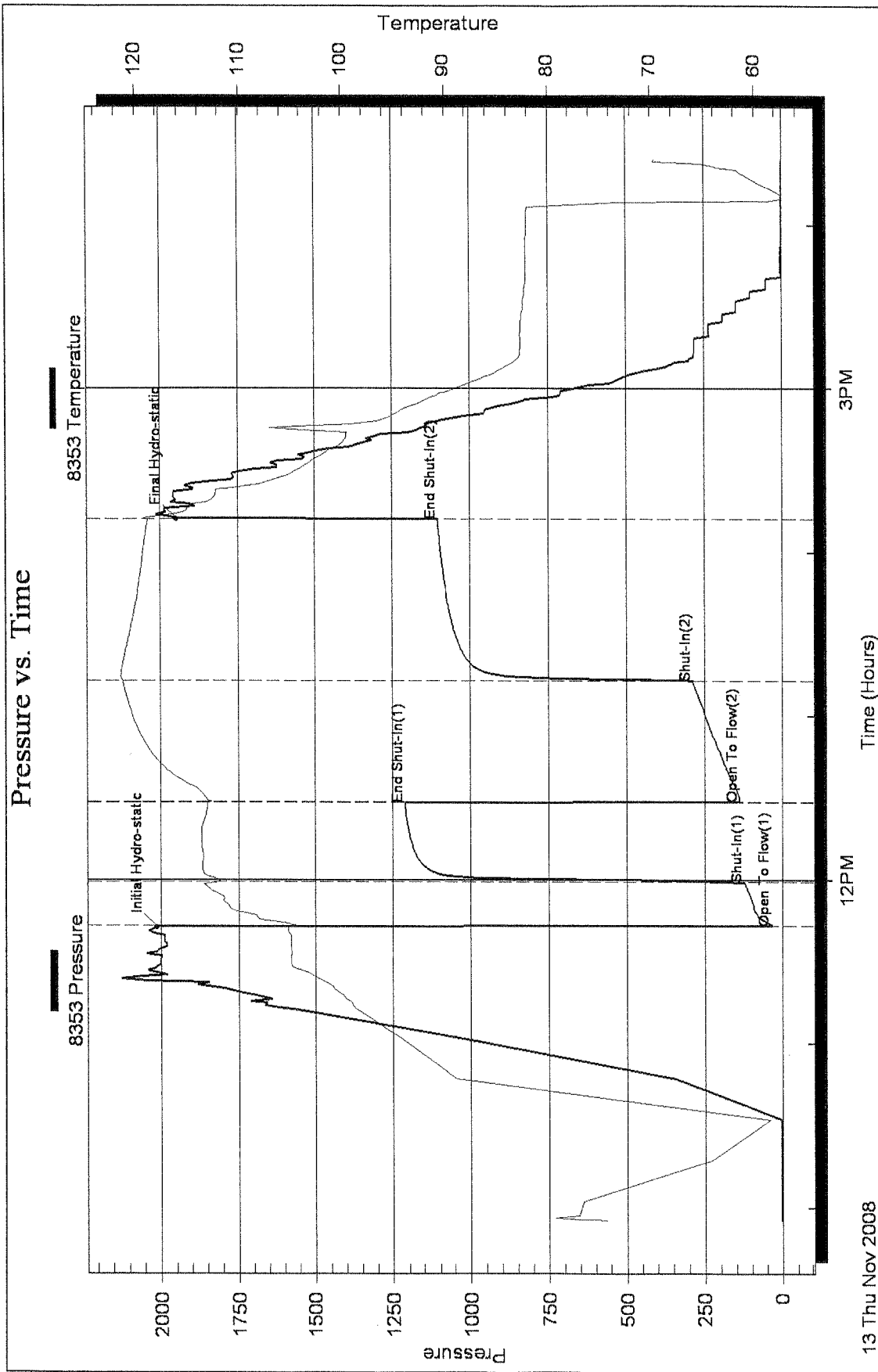
Serial #:

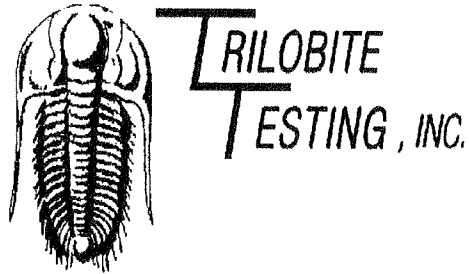
Laboratory Name:

Laboratory Location:

Recovery Comments: RW .1 @ 60F = 70,000ppm chlorides

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **H&M Petroleum**

13570 Meadowgrass Dr.
Ste 101
Colorado Springs, CO 80921

ATTN: Rick Hall

24-12s-31w Gove KS

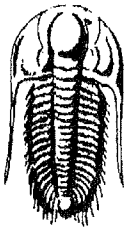
Bonita Springs #3

Start Date: 2008.11.15 @ 15:35:05

End Date: 2008.11.15 @ 21:44:05

Job Ticket #: 33740 DST #: 5

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

H&M Petroleum

13570 Meadow grass Dr.
Ste 101
Colorado Springs, CO 80921
ATTN: Rick Hall

Bonita Springs #3

24-12s-31w Gove KS

Job Ticket: 33740

DST#: 5

Test Start: 2008.11.15 @ 15:35:05

GENERAL INFORMATION:

Formation: **KANSAS CITY K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:25:20

Time Test Ended: 21:44:05

Test Type: Conventional Straddle

Tester: KYLE WILEY

Unit No: 25

Interval: **4154.00 ft (KB) To 4177.00 ft (KB) (TVD)**

Total Depth: 4613.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2889.00 ft (KB)

2884.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6741

Inside

Press@RunDepth: 91.29 psig @ 4182.00 ft (KB)

Start Date: 2008.11.15 End Date: 2008.11.15

Start Time: 15:35:10 End Time: 21:44:04

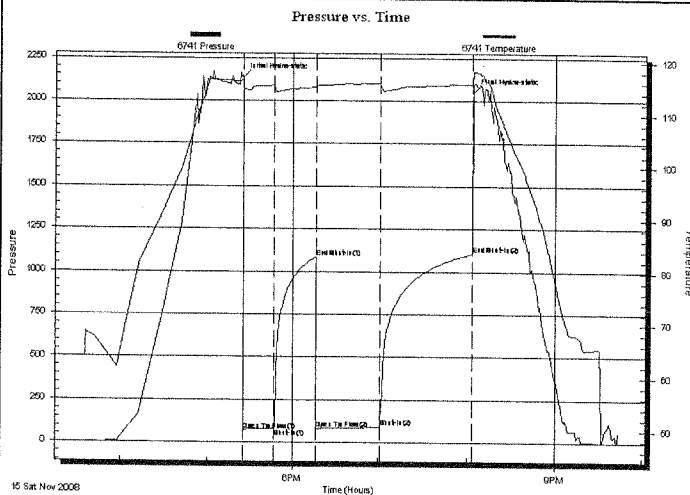
Capacity: 7000.00 psig

Last Calib.: 2008.11.15

Time On Btm: 2008.11.15 @ 17:25:05

Time Off Btm: 2008.11.15 @ 20:04:05

TEST COMMENT: IF: 4 1/4" BLOW
IS: NO RETURN
FF: WEAK SURFACE BLOW
FS: NO RETURN



PRESSURE SUMMARY

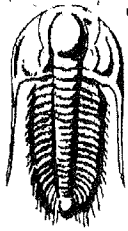
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2137.57	116.54	Initial Hydro-static
1	71.25	114.41	Open To Flow (1)
22	82.10	115.63	Shut-In(1)
51	1082.87	115.20	End Shut-In(1)
52	80.93	115.33	Open To Flow (2)
96	91.29	115.98	Shut-In(2)
159	1104.58	115.89	End Shut-In(2)
159	2050.55	118.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
154.00	WCM 10%W 90%M	1.03

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&M Petroleum

Bonita Springs #3

13570 Meadow grass Dr.
Ste 101
Colorado Springs, CO 80921
ATTN: Rick Hall

24-12s-31w Gove KS

Job Ticket: 33740

DST#: 5

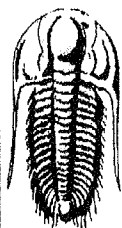
Test Start: 2008.11.15 @ 15:35:05

Tool Information

Drill Pipe:	Length: 4021.00 ft	Diameter: 3.80 inches	Volume: 56.40 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 57.01 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4154.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	4177.00 ft			
Interval between Packers:	23.00 ft			
Tool Length:	483.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4132.00	
Shut In Tool	5.00			4137.00	
Hydraulic tool	5.00			4142.00	
Safety Joint	3.00			4145.00	
Packer	5.00			4150.00	23.00 Bottom Of Top Packer
Packer	4.00			4154.00	
Stubb	1.00			4155.00	
Recorder	0.00	8353	Inside	4155.00	
Perforations	21.00			4176.00	
Blank Off Sub	1.00			4177.00	23.00 Tool Interval
Packer	5.00			4182.00	
Recorder	0.00	6741	Inside	4182.00	
Blank Spacing	427.00			4609.00	
Bullnose	5.00			4614.00	437.00 Bottom Packers & Anchor

Total Tool Length: 483.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

H&M Petroleum

13570 Meadow grass Dr.
Ste 101
Colorado Springs, CO 80921
ATTN: Rick Hall

Bonita Springs #3

24-12s-31w Gove KS

Job Ticket: 33740

DST#: 5

Test Start: 2008.11.15 @ 15:35:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 6.39 in³

Resistivity: 0.00 ohm.m

Salinity: 3000.00 ppm

Filter Cake: 2.00 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
154.00	WCM 10%W 90%M	1.031

Total Length: 154.00 ft

Total Volume: 1.031 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6741

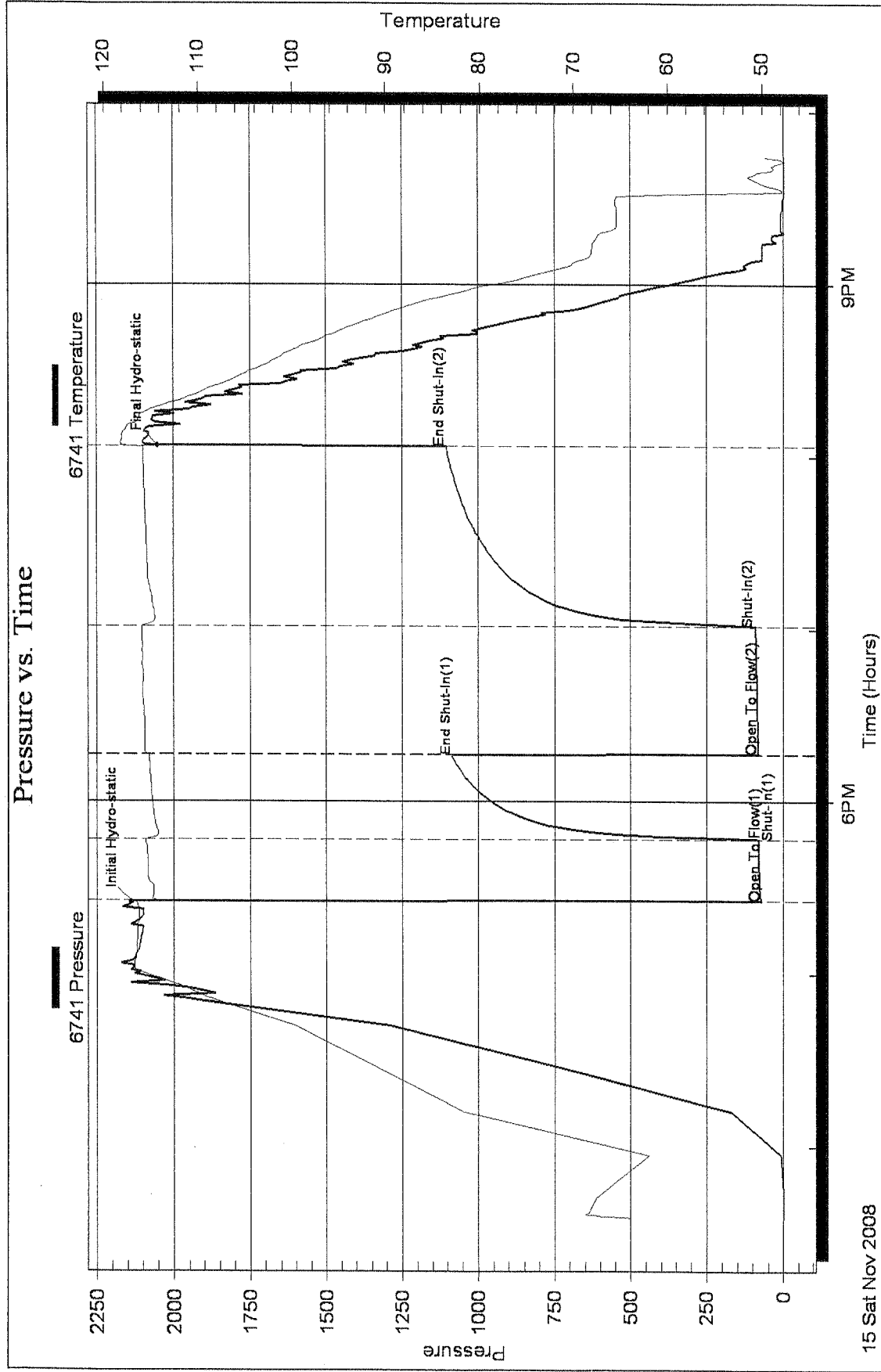
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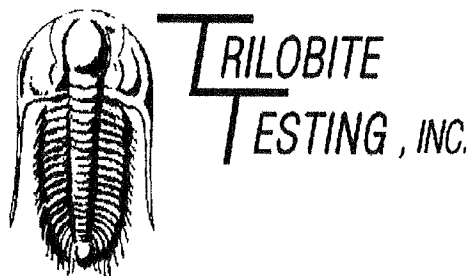
H&M Petroleum

24-12s-31w Gove KS

DST Test Number: 5

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **H&M Petroleum**

13570 Meadowgrass Dr.
Ste 101
Colorado Springs, CO 80921

ATTN: Rick Hall

24-12s-31w Gove KS

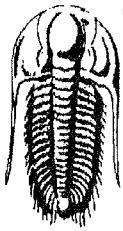
Bonita Springs #3

Start Date: 2008.11.15 @ 22:28:05

End Date: 2008.11.16 @ 04:36:05

Job Ticket #: 33741 DST #: 6

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

H&M Petroleum

13570 Meadow grass Dr.
Ste 101
Colorado Springs, CO 80921
ATTN: Rick Hall

Bonita Springs #3

24-12s-31w Gove KS

Job Ticket: 33741

DST#: 6

Test Start: 2008.11.15 @ 22:28:05

GENERAL INFORMATION:

Formation: **KANSAS CITY H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:44:05

Time Test Ended: 04:36:05

Interval: **4072.00 ft (KB) To 4123.00 ft (KB) (TVD)**

Total Depth: 4613.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle

Tester: KYLE WILEY

Unit No: 25

Reference Elevations: 2889.00 ft (KB)

2884.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8353

Inside

Press@RunDepth: 186.66 psig @ 4073.00 ft (KB)

Start Date: 2008.11.15

End Date: 2008.11.16

Start Time: 22:28:10

End Time: 04:36:04

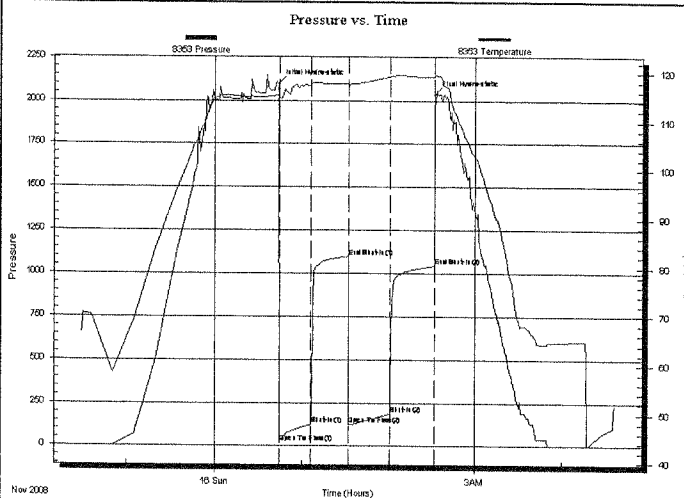
Capacity: 7000.00 psig

Last Calib.: 2008.11.16

Time On Btm: 2008.11.16 @ 00:43:50

Time Off Btm: 2008.11.16 @ 02:32:20

TEST COMMENT: IF: weak surface blow died 12 min
IS: no return
FF: no blow
FS: no return



PRESSURE SUMMARY

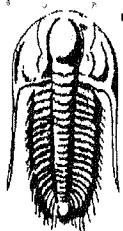
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2097.09	115.45	Initial Hydro-static
1	22.02	114.84	Open To Flow (1)
22	123.22	117.63	Shut-In (1)
48	1093.54	117.84	End Shut-In (1)
48	126.05	117.57	Open To Flow (2)
77	186.66	119.21	Shut-In (2)
108	1043.03	119.23	End Shut-In (2)
109	2034.68	119.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
308.00	WOCM 5%W 25%O 70%M	3.19

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&M Petroleum

Bonita Springs #3

13570 Meadow grass Dr.
Ste 101
Colorado Springs, CO 80921
ATTN: Rick Hall

24-12s-31w Gove KS

Job Ticket: 33741

DST#: 6

Test Start: 2008.11.15 @ 22:28:05

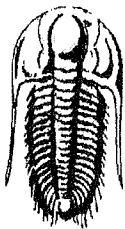
Tool Information

Drill Pipe:	Length: 3948.00 ft	Diameter: 3.80 inches	Volume: 55.38 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 55.99 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	53000.00 lb
Depth to Top Packer:	4072.00 ft			Final	54000.00 lb
Depth to Bottom Packer:	4124.00 ft				
Interval between Packers:	52.00 ft				
Tool Length:	565.00 ft				
Number of Packers:	3	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4050.00	
Shut In Tool	5.00			4055.00	
Hydraulic tool	5.00			4060.00	
Safety Joint	3.00			4063.00	
Packer	5.00			4068.00	23.00 Bottom Of Top Packer
Packer	4.00			4072.00	
Stubb	1.00			4073.00	
Recorder	0.00	8353	Inside	4073.00	
Perforations	21.00			4094.00	
Blank Spacing	30.00			4124.00	52.00 Tool Interval
Packer	5.00			4129.00	
Recorder	0.00	6741	Inside	4129.00	
Blank Spacing	480.00			4609.00	
Bullnose	5.00			4614.00	490.00 Bottom Packers & Anchor

Total Tool Length: 565.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

H&M Petroleum

Bonita Springs #3

13570 Meadowgrass Dr.
Ste 101
Colorado Springs, CO 80921
ATTN: Rick Hall

24-12s-31w Gove KS

Job Ticket: 33741

DST#: 6

Test Start: 2008.11.15 @ 22:28:05

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:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
308.00	WOCM 5%W 25%O 70%M	3.191

Total Length: 308.00 ft

Total Volume: 3.191 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

