



DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating Co.**

1700 N Waterfront Pkwy
Bldg 600
Wichita KS 67206

ATTN: Bob Schrieber

G&M #1-25

25-12s-32w Logan,KS

Start Date: 2012.02.11 @ 15:27:00

End Date: 2012.02.11 @ 22:52:45

Job Ticket #: 44421 DST #: 1

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

Printed: 2012.02.23 @ 16:04:52



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Grand Mesa Operating Co.
 1700 N Waterfront Pkwy
 Bldg 600
 Wichita KS 67206
 ATTN: Bob Schrieber

25-12s-32w Logan,KS

G&M #1-25

Job Ticket: 44421

DST#: 1

Test Start: 2012.02.11 @ 15:27:00

GENERAL INFORMATION:

Formation: **LKC E**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:48:15
 Time Test Ended: 22:52:45
 Interval: **4113.00 ft (KB) To 4139.00 ft (KB) (TVD)**
 Total Depth: 4139.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Bradley Walter
 Unit No: 53
 Reference Elevations: 3009.00 ft (KB)
 3004.00 ft (CF)
 KB to GR/CF: 5.00 ft

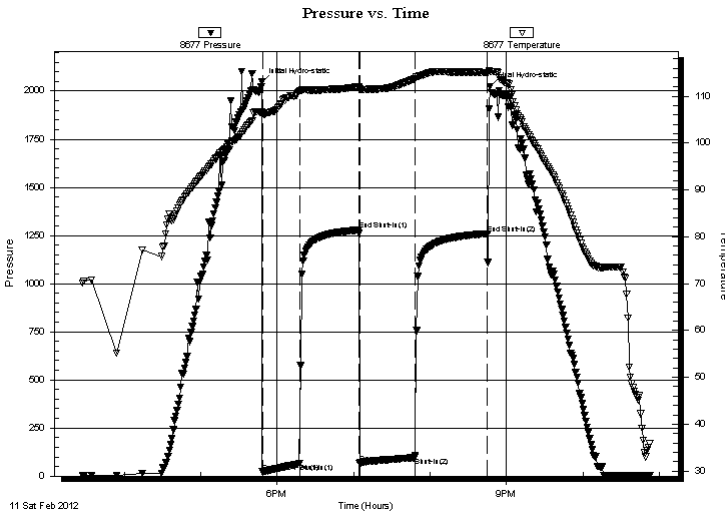
Serial #: 8677

Inside

Press @ Run Depth: 96.77 psig @ 4116.00 ft (KB)
 Start Date: 2012.02.11 End Date: 2012.02.11
 Start Time: 15:27:15 End Time: 22:52:45
 Capacity: 8000.00 psig
 Last Calib.: 2012.02.11
 Time On Btm: 2012.02.11 @ 17:48:00
 Time Off Btm: 2012.02.11 @ 20:47:15

TEST COMMENT: IF: 2" blow.
 IS: No retrun.
 FF: 2 1/2" blow.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2046.29	106.69	Initial Hydro-static
1	21.44	106.14	Open To Flow (1)
30	64.86	110.90	Shut-In(1)
76	1278.44	111.94	End Shut-In(1)
77	68.15	111.53	Open To Flow (2)
120	96.77	113.71	Shut-In(2)
177	1260.04	115.10	End Shut-In(2)
180	2024.90	115.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
170.00	mcw 20m 80w (oil puddle in tool)	1.07

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Grand Mesa Operating Co.
1700 N Waterfront Pkwy
Bldg 600
Wichita KS 67206
ATTN: Bob Schrieber

25-12s-32w Logan, KS

G&M #1-25

Job Ticket: 44421

DST#: 1

Test Start: 2012.02.11 @ 15:27:00

GENERAL INFORMATION:

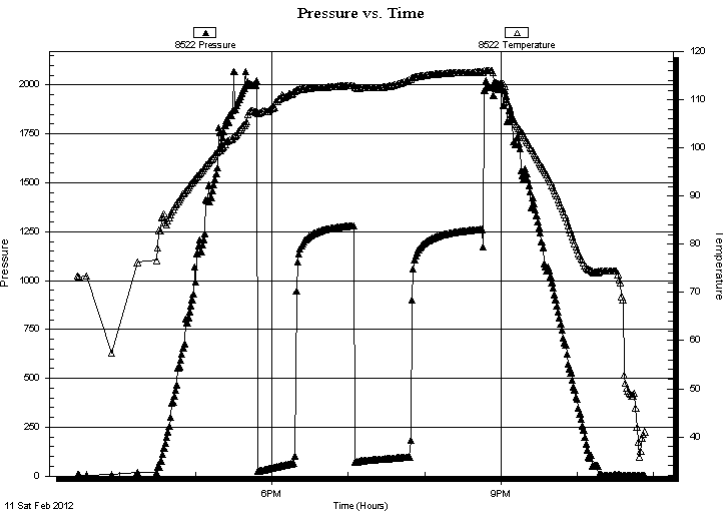
Formation: LKC E	Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 17:48:15	Time Test Ended: 22:52:45		Tester: Bradley Walter
			Unit No: 53
Interval: 4113.00 ft (KB) To 4139.00 ft (KB) (TVD)			Reference Elevations: 3009.00 ft (KB)
Total Depth: 4139.00 ft (KB) (TVD)			3004.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Good		KB to GR/CF: 5.00 ft

Serial #: 8522

Inside

Press @ Run Depth: psig @ 4116.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2012.02.11	End Date: 2012.02.11
Start Time: 15:27:00	End Time: 22:53:30
	Last Calib.: 2012.02.11
	Time On Btm:
	Time Off Btm:

TEST COMMENT: IF: 2" blow.
IS: No retrun.
FF: 2 1/2" blow.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
170.00	mcw 20m 80w (oil puddle in tool)	1.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Co.

25-12s-32w Logan,KS

1700 N Waterfront Pkwy
Bldg 600
Wichita KS 67206
ATTN: Bob Schrieber

G&M #1-25

Job Ticket: 44421

DST#: 1

Test Start: 2012.02.11 @ 15:27:00

Tool Information

Drill Pipe:	Length: 3991.00 ft	Diameter: 3.20 inches	Volume: 39.70 bbl	Tool Weight: 2500.00 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: 64000.00 lb
			<u>Total Volume: 40.31 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4113.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	53.00 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			4087.00	
Shut In Tool	5.00			4092.00	
Hydraulic tool	5.00			4097.00	
Jars	5.00			4102.00	
Safety Joint	2.00			4104.00	
Packer	5.00			4109.00	27.00 Bottom Of Top Packer
Packer	4.00			4113.00	
Stubb	1.00			4114.00	
Perforations	2.00			4116.00	
Recorder	0.00	8677	Inside	4116.00	
Recorder	0.00	8522	Inside	4116.00	
Perforations	20.00			4136.00	
Bullnose	3.00			4139.00	26.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Co.

25-12s-32w Logan,KS

1700 N Waterfront Pkwy
Bldg 600
Wichita KS 67206
ATTN: Bob Schrieber

G&M #1-25

Job Ticket: 44421

DST#: 1

Test Start: 2012.02.11 @ 15:27:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

63000 ppm

Viscosity: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
170.00	mcw 20m 80w (oil puddle in tool)	1.067

Total Length: 170.00 ft Total Volume: 1.067 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

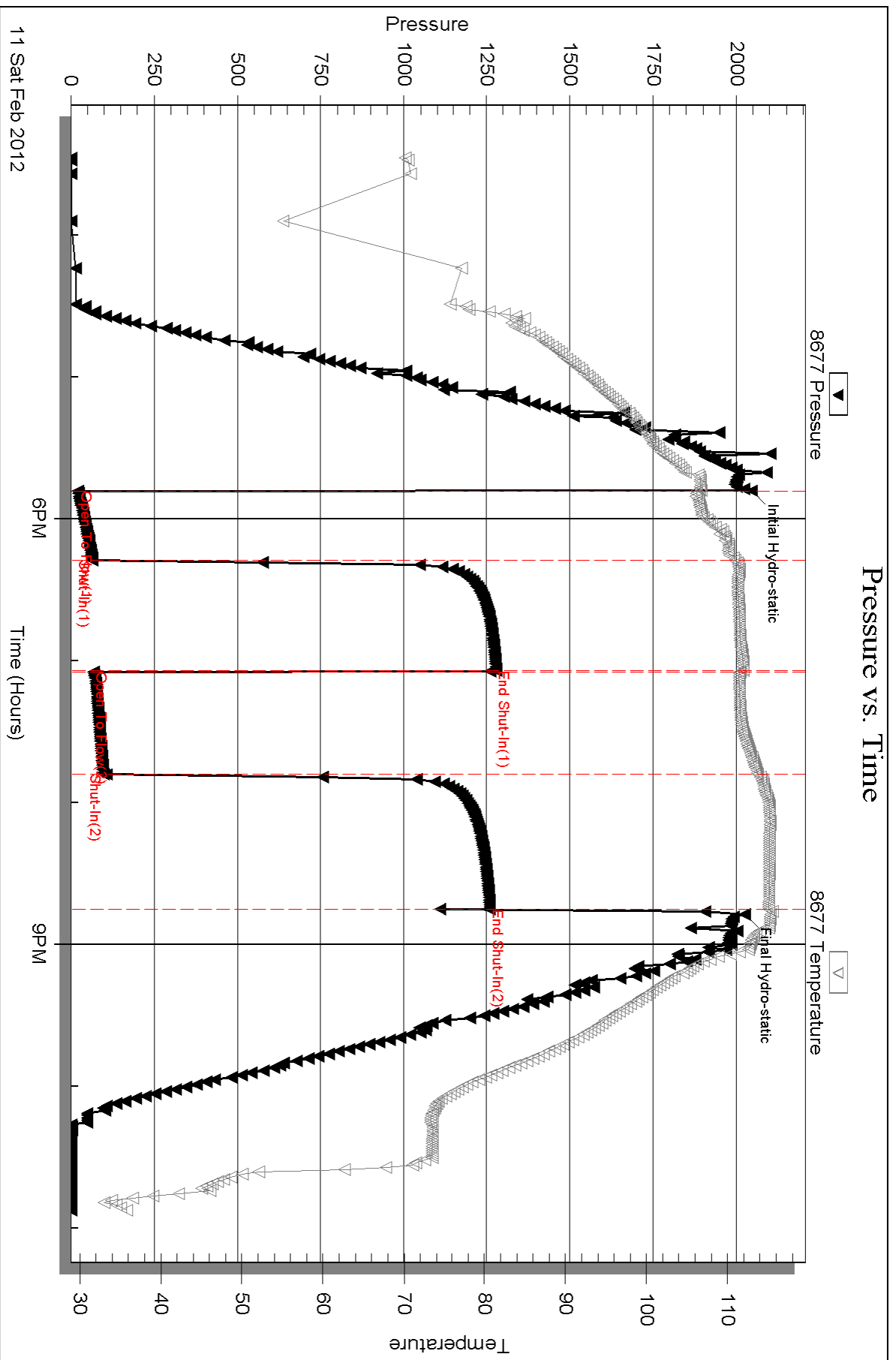
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .130 @ 59F = 63000ppm

Pressure vs. Time



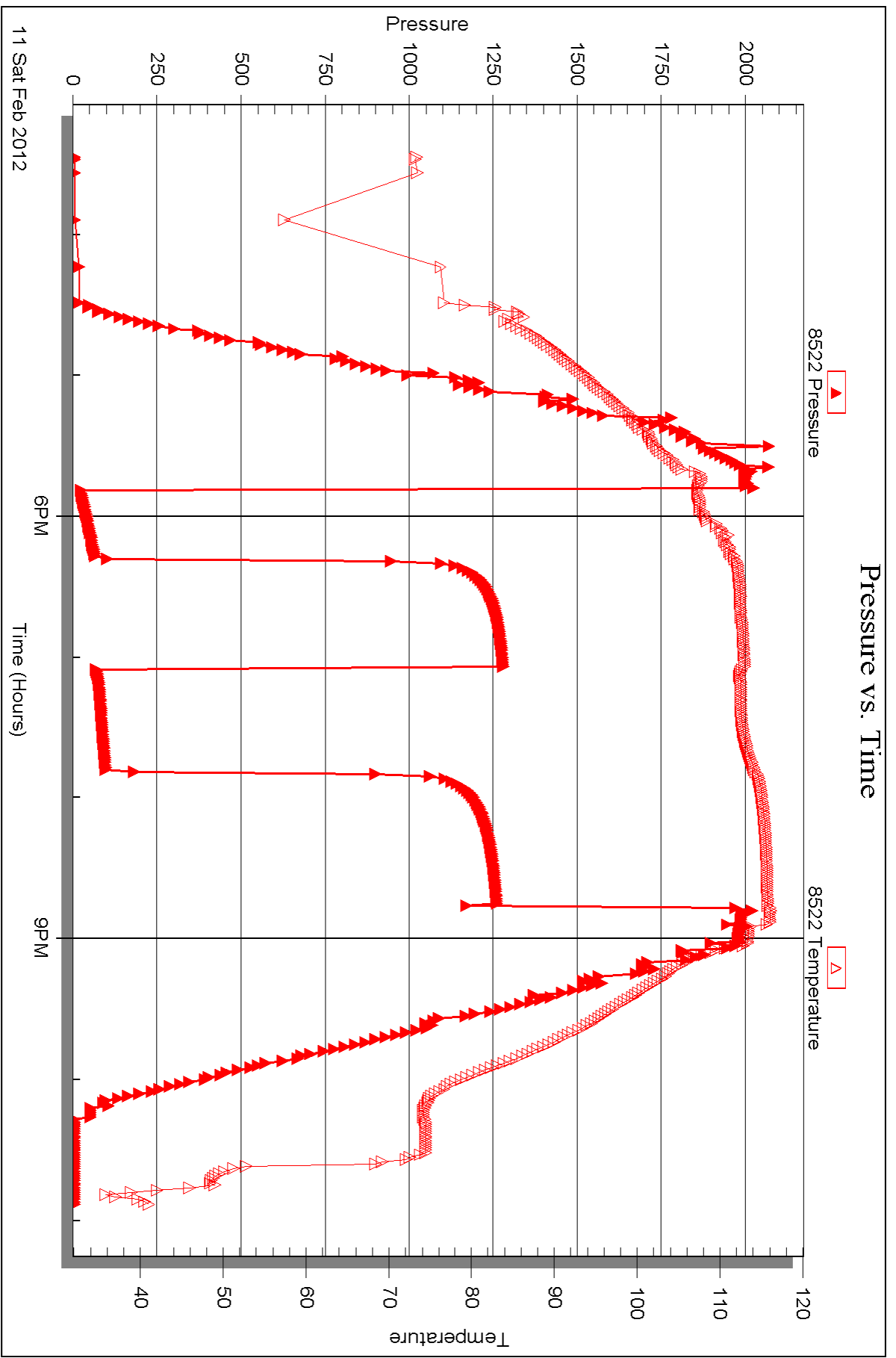
Serial #: 8522

Inside

Grand Mesa Operating Co.

G&M#1-25

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 44421

Printed: 2012.02.23 @ 16:04:55



DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating Co.**

1700 N Waterfront Pkwy
Bldg 600
Wichita KS 67206

ATTN: Bob Schrieber

G&M #1-25

25-12s-32w Logan,KS

Start Date: 2012.02.12 @ 16:18:00

End Date: 2012.02.12 @ 23:52:45

Job Ticket #: 44422 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.23 @ 16:04:16



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Grand Mesa Operating Co.

25-12s-32w Logan,KS

1700 N Waterfront Pkwy
Bldg 600
Wichita KS 67206
ATTN: Bob Schrieber

G&M #1-25

Job Ticket: 44422

DST#: 2

Test Start: 2012.02.12 @ 16:18:00

GENERAL INFORMATION:

Formation: **LKC H-I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:20:30

Time Test Ended: 23:52:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 53

Interval: 4182.00 ft (KB) To 4248.00 ft (KB) (TVD)

Reference Elevations: 3009.00 ft (KB)

Total Depth: 4248.00 ft (KB) (TVD)

3004.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8678

Inside

Press @ Run Depth: 115.90 psig @ 4185.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.12

End Date:

2012.02.12

Last Calib.:

2012.02.12

Start Time: 16:18:01

End Time:

23:52:45

Time On Btm:

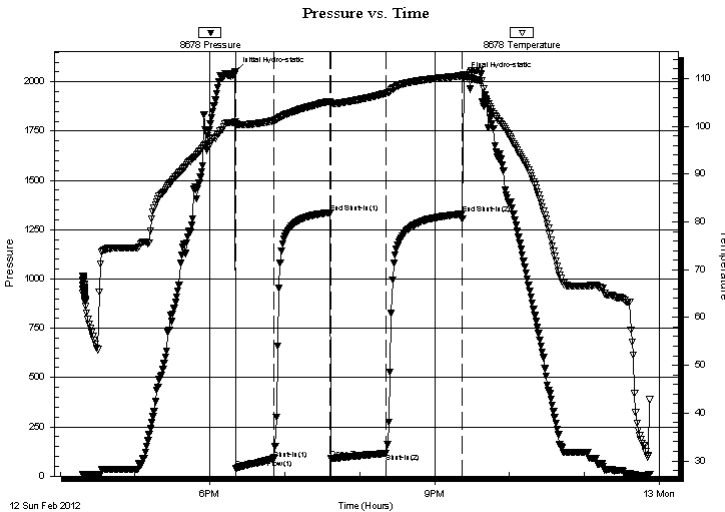
2012.02.12 @ 18:20:15

Time Off Btm:

2012.02.12 @ 21:23:45

TEST COMMENT: IF: 2 " blow .
IS: No return.
FF: 4 1/2 " blow .
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2053.25	100.91	Initial Hydro-static
1	40.04	100.09	Open To Flow (1)
31	87.67	101.17	Shut-In(1)
76	1336.48	105.23	End Shut-In(1)
77	90.58	104.83	Open To Flow (2)
121	115.90	106.91	Shut-In(2)
182	1328.98	110.59	End Shut-In(2)
184	2026.23	110.85	Final Hydro-static

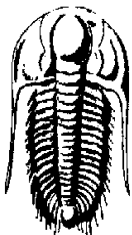
Recovery

Length (ft)	Description	Volume (bbl)
190.00	gocm 15g 35o 50m	1.27
0.00	190' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Grand Mesa Operating Co.
1700 N Waterfront Pkwy
Bldg 600
Wichita KS 67206
ATTN: Bob Schrieber

25-12s-32w Logan,KS

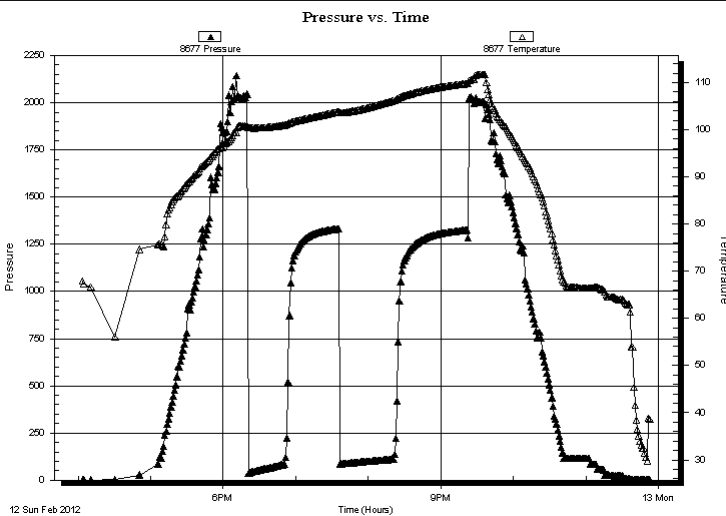
G&M #1-25
Job Ticket: 44422 **DST#: 2**
Test Start: 2012.02.12 @ 16:18:00

GENERAL INFORMATION:

Formation: **LKC H-I**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:20:30
Time Test Ended: 23:52:45
Interval: **4182.00 ft (KB) To 4248.00 ft (KB) (TVD)**
Total Depth: 4248.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Reference Elevations: 3009.00 ft (KB)
3004.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8677 Inside
Press @ Run Depth: psig @ 4185.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.02.12 End Date: 2012.02.12 Last Calib.: 2012.02.13
Start Time: 16:03:45 End Time: 23:52:45 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 2 " blow .
IS: No return.
FF: 4 1/2 " blow .
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
190.00	gocm 15g 35o 50m	1.27
0.00	190' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Co.

25-12s-32w Logan,KS

1700 N Waterfront Pkwy
Bldg 600
Wichita KS 67206
ATTN: Bob Schrieber

G&M #1-25

Job Ticket: 44422

DST#: 2

Test Start: 2012.02.12 @ 16:18:00

Tool Information

Drill Pipe:	Length: 4051.00 ft	Diameter: 3.20 inches	Volume: 40.30 bbl	Tool Weight: 2500.00 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: 67000.00 lb
			<u>Total Volume: 40.91 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4182.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	66.00 ft			
Tool Length:	93.00 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			4156.00	
Shut In Tool	5.00			4161.00	
Hydraulic tool	5.00			4166.00	
Jars	5.00			4171.00	
Safety Joint	2.00			4173.00	
Packer	5.00			4178.00	27.00 Bottom Of Top Packer
Packer	4.00			4182.00	
Stubb	1.00			4183.00	
Perforations	2.00			4185.00	
Recorder	0.00	8677	Inside	4185.00	
Recorder	0.00	8678	Inside	4185.00	
Perforations	26.00			4211.00	
Change Over Sub	1.00			4212.00	
Drill Pipe	32.00			4244.00	
Change Over Sub	1.00			4245.00	
Bullnose	3.00			4248.00	66.00 Bottom Packers & Anchor
Total Tool Length:	93.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Co.

25-12s-32w Logan,KS

1700 N Waterfront Pkwy
Bldg 600
Wichita KS 67206
ATTN: Bob Schrieber

G&M #1-25

Job Ticket: 44422

DST#: 2

Test Start: 2012.02.12 @ 16:18:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 6.38 in³

Resistivity: ohm.m

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

0 deg API

Water Salinity:

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	gocm 15g 35o 50m	1.266
0.00	190' GIP	0.000

Total Length: 190.00 ft Total Volume: 1.266 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

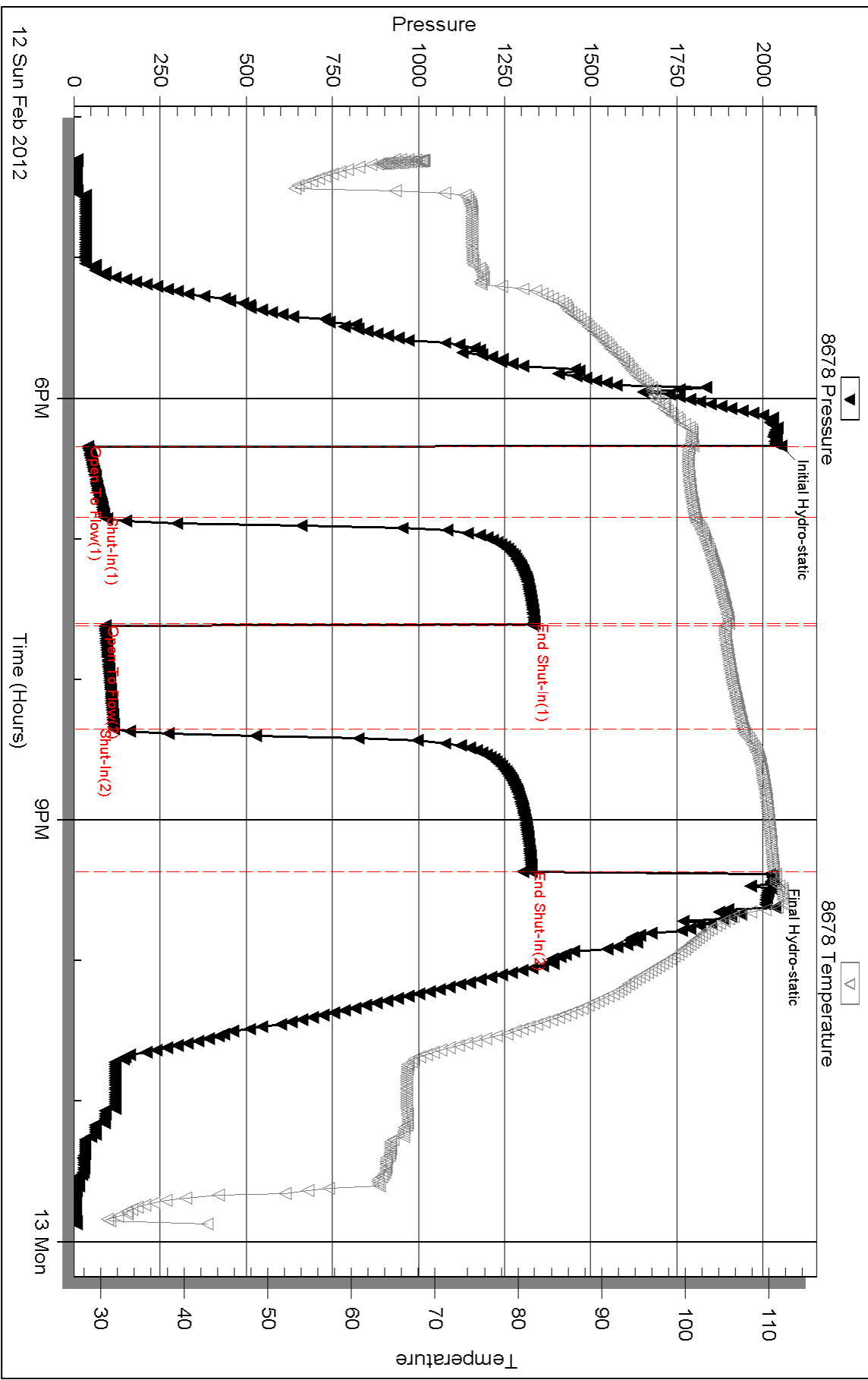
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



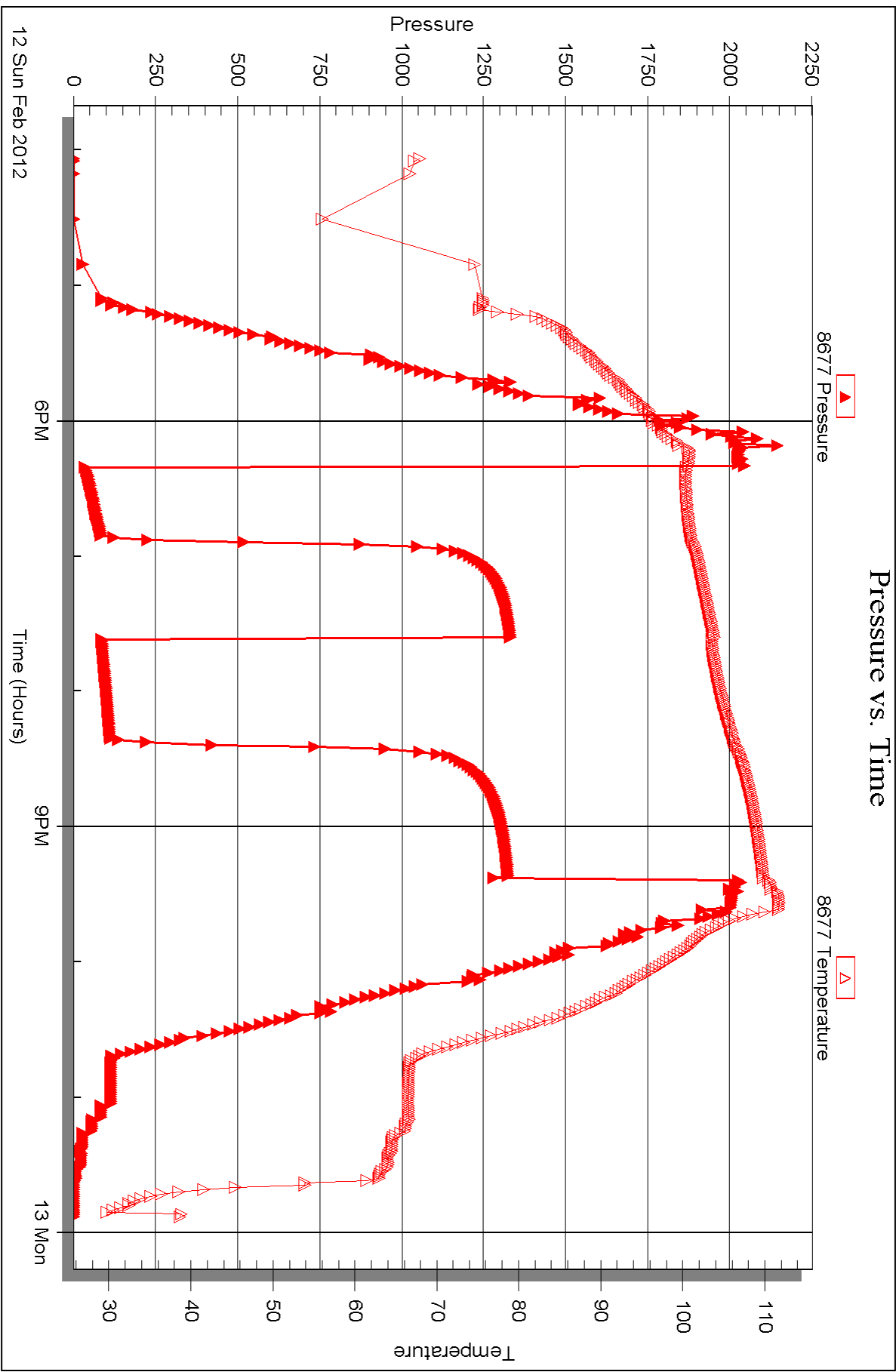
Serial #: 8677

Inside

Grand Mesa Operating Co.

G&M#1-25

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating Co.**

1700 N Waterfront Pkwy
Bldg 600
Wichita KS 67206

ATTN: Bob Schrieber

G&M #1-25

25-12s-32w Logan,KS

Start Date: 2012.02.14 @ 11:58:00

End Date: 2012.02.14 @ 21:39:30

Job Ticket #: 44423 DST #: 3

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

Printed: 2012.02.23 @ 16:03:34



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Grand Mesa Operating Co.
 1700 N Waterfront Pkwy
 Bldg 600
 Wichita KS 67206
 ATTN: Bob Schrieber

25-12s-32w Logan,KS

G&M #1-25

Job Ticket: 44423

DST#: 3

Test Start: 2012.02.14 @ 11:58:00

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 14:03:30
 Tester: Bradley Walter
 Time Test Ended: 21:39:30
 Unit No: 53
 Interval: **4547.00 ft (KB) To 4604.00 ft (KB) (TVD)**
 Reference Elevations: 3009.00 ft (KB)
 Total Depth: 4604.00 ft (KB) (TVD)
 3004.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 5.00 ft

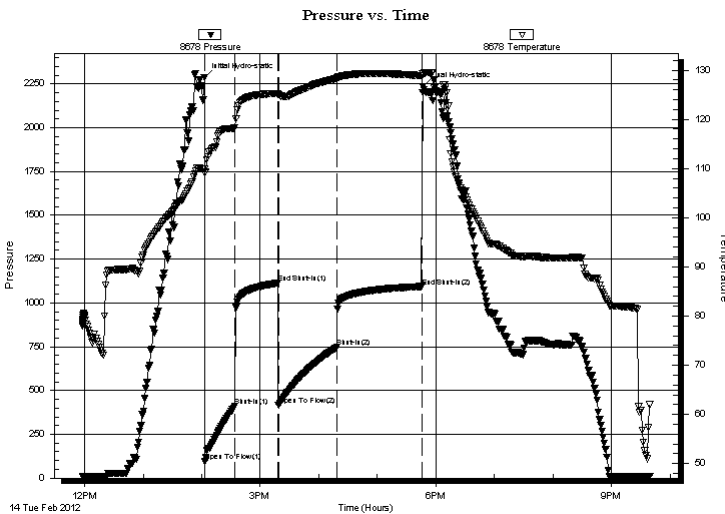
Serial #: 8678

Inside

Press @ Run Depth: 747.00 psig @ 4550.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.02.14 End Date: 2012.02.14 Last Calib.: 2012.02.14
 Start Time: 11:58:01 End Time: 21:39:30 Time On Btm: 2012.02.14 @ 14:03:15
 Time Off Btm: 2012.02.14 @ 17:47:00

TEST COMMENT: IF: BOB @ 4 min.
 IS: BOB @ 34 mn.
 FF: BOB @ 4min.
 FS: 5" return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2286.38	109.85	Initial Hydro-static
1	96.11	109.09	Open To Flow (1)
31	410.73	118.25	Shut-In(1)
75	1113.20	125.20	End Shut-In(1)
76	418.12	124.95	Open To Flow (2)
136	747.00	128.31	Shut-In(2)
223	1094.12	128.85	End Shut-In(2)
224	2235.96	129.31	Final Hydro-static

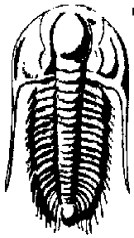
Recovery

Length (ft)	Description	Volume (bbl)
120.00	gmco 25g 35m 40o	0.59
1770.00	gsmco 30g 5m 65o	17.59
0.00	820' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Grand Mesa Operating Co.

25-12s-32w Logan, KS

1700 N Waterfront Pkwy
Bldg 600
Wichita KS 67206
ATTN: Bob Schrieber

G&M #1-25

Job Ticket: 44423

DST#: 3

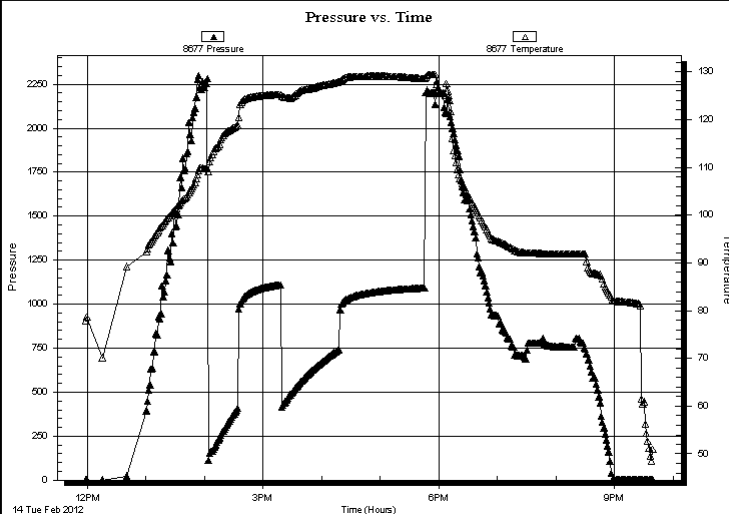
Test Start: 2012.02.14 @ 11:58:00

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 14:03:30 Tester: Bradley Walter
 Time Test Ended: 21:39:30 Unit No: 53
 Interval: **4547.00 ft (KB) To 4604.00 ft (KB) (TVD)** Reference Elevations: 3009.00 ft (KB)
 Total Depth: 4604.00 ft (KB) (TVD) 3004.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8677 Inside
 Press @ Run Depth: psig @ 4550.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.02.14 End Date: 2012.02.14 Last Calib.: 2012.02.14
 Start Time: 11:58:15 End Time: 21:39:30 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: BOB @ 4 min.
 IS: BOB @ 34 mn.
 FF: BOB @ 4min.
 FS: 5" return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gmco 25g 35m 40o	0.59
1770.00	gsmco 30g 5m 65o	17.59
0.00	820' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Co.

25-12s-32w Logan,KS

1700 N Waterfront Pkwy
Bldg 600
Wichita KS 67206
ATTN: Bob Schrieber

G&M #1-25

Job Ticket: 44423

DST#: 3

Test Start: 2012.02.14 @ 11:58:00

Tool Information

Drill Pipe:	Length: 4427.00 ft	Diameter: 3.20 inches	Volume: 44.04 bbl	Tool Weight: 2500.00 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: 72000.00 lb
			<u>Total Volume: 44.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4547.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	84.00 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			4521.00	
Shut In Tool	5.00			4526.00	
Hydraulic tool	5.00			4531.00	
Jars	5.00			4536.00	
Safety Joint	2.00			4538.00	
Packer	5.00			4543.00	27.00 Bottom Of Top Packer
Packer	4.00			4547.00	
Stubb	1.00			4548.00	
Perforations	2.00			4550.00	
Recorder	0.00	8677	Inside	4550.00	
Recorder	0.00	8678	Inside	4550.00	
Perforations	18.00			4568.00	
Change Over Sub	1.00			4569.00	
Drill Pipe	31.00			4600.00	
Change Over Sub	1.00			4601.00	
Bullnose	3.00			4604.00	57.00 Bottom Packers & Anchor
Total Tool Length:	84.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Co.

25-12s-32w Logan,KS

1700 N Waterfront Pkwy
Bldg 600
Wichita KS 67206
ATTN: Bob Schrieber

G&M #1-25

Job Ticket: 44423

DST#: 3

Test Start: 2012.02.14 @ 11:58:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 4.79 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

27 deg API

Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	gmco 25g 35m 40o	0.590
1770.00	gsmco 30g 5m 65o	17.587
0.00	820' GIP	0.000

Total Length: 1890.00 ft Total Volume: 18.177 bbl

Num Fluid Samples: 0

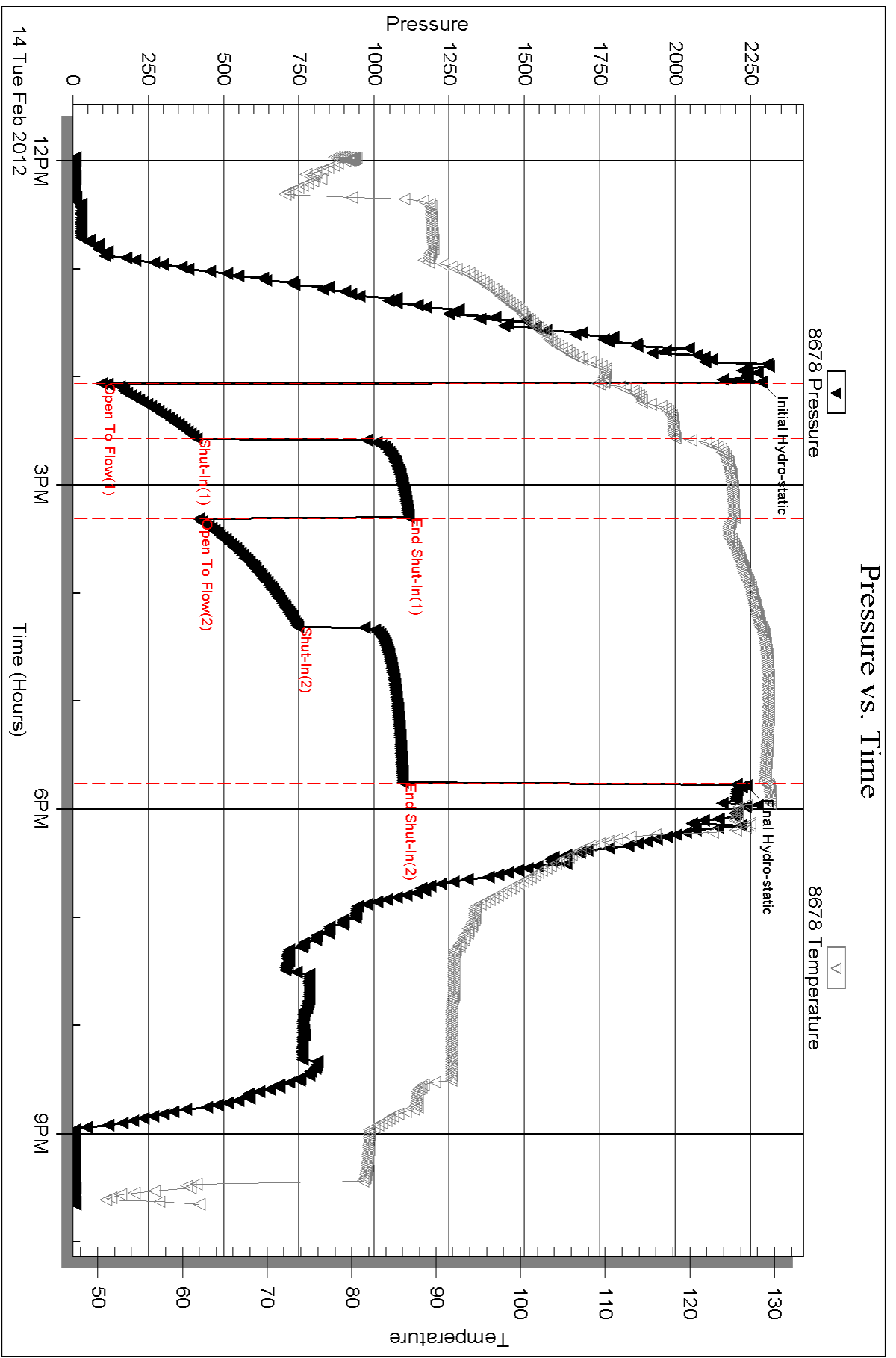
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



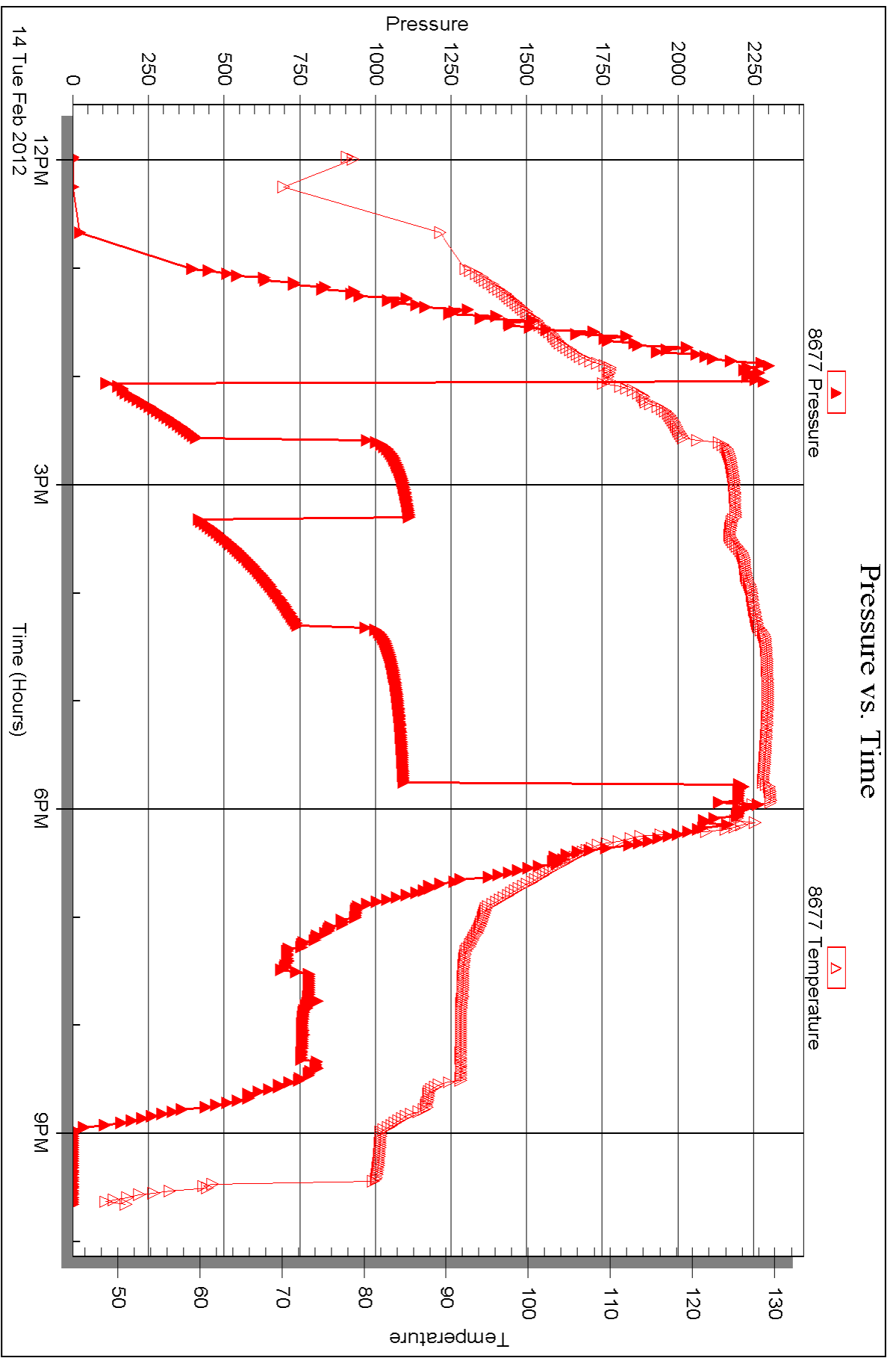
Serial #: 8677

Inside

Grand Mesa Operating Co.

G&M#1-25

DST Test Number: 3





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
FEB 23 2012
BY: _____

Test Ticket

NO. 44421

Well Name & No. G & M # 1-25 Test No. 1 Date 2-11-12
 Company Grand Mesa Operating Co. Elevation 3009 KB 3004 GL
 Address 1700 N Waterfront Pkwy Bldg 600 Wichita, KS 67206
 Co. Rep / Geo. Bob Schrieber Rig Martin 24
 Location: Sec. #25 Twp. 12S Rge. 32W Co. Logan State Ks

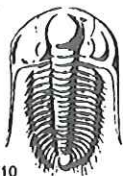
Interval Tested 4113 4139 Zone Tested LKC
 Anchor Length 26' Drill Pipe Run 3991 Mud Wt. 8.9
 Top Packer Depth 4108 Drill Collars Run 124 Vis 5.6 67
 Bottom Packer Depth 4113 Wt. Pipe Run 0 WL 5.6
 Total Depth 4139 Chlorides 1500 ppm System LCM 6#
 Blow Description IF: 2" blow
IST: No return.
FF: 2 1/2" blow.
FST: No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>170</u>	<u>MCW (0.71 PUDDLE INTAL)</u>			<u>80</u>	<u>20</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 170 BHT 115 Gravity — API RW 130 @ 59 °F Chlorides 63,000 ppm
 (A) Initial Hydrostatic 2046 Test 1225' T-On Location 1330
 (B) First Initial Flow 21 Jars 250' T-Started 1527
 (C) First Final Flow 65 Safety Joint 75' T-Open 1748
 (D) Initial Shut-In 1278 Circ Sub N/C T-Pulled 2048
 (E) Second Initial Flow 68 Hourly Standby _____ T-Out 2253
 (F) Second Final Flow 87 Mileage 76 RT 36.40 Comments _____
 (G) Final Shut-In 1260 Sampler _____
 (H) Final Hydrostatic 2025 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1586.40
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1586.40

Approved By Bob Schrieber Our Representative [Signature]

TriLOBite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



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RECEIVED
FEB 23 2012
BY: _____

Test Ticket

NO. 44422

Well Name & No. G&M #1-25 Test No. 2 Date 2-12-12
 Company Grand Mesa Operating Co. Elevation 3009 KB 3004 GL
 Address 1700 N Waterfront Pkwy Bldg 600 Wichita, Ks 67206
 Co. Rep / Geo. Bob Schrieber Rig Martin 24
 Location: Sec. 25 Twp. 12s Rge. 32w Co. Logan State Ks

Interval Tested 4182 4248 Zone Tested LKC Hd I
 Anchor Length 66' Drill Pipe Run 4051 Mud Wt. 9.1
 Top Packer Depth 4177 Drill Collars Run 119 Vis 58
 Bottom Packer Depth 4182 Wt. Pipe Run Ø WL 6.4
 Total Depth 4248 Chlorides 2500 ppm System LCM 5#
 Blow Description IF: 2" blow
IST: No return
FF: 4 1/2 inches blow
FSI: surface blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>190</u>	<u>60cm</u>	<u>15</u>	<u>35</u>	<u>50</u>	
	<u>110 BIT</u>				

Rec Total 190 BHT III Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2053</u>	<input checked="" type="checkbox"/> Test <u>1225</u>	T-On Location <u>1530</u>
(B) First Initial Flow <u>40</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1615</u>
(C) First Final Flow <u>88</u>	<input checked="" type="checkbox"/> Safety Joint <u>75'</u>	T-Open <u>1820</u>
(D) Initial Shut-In <u>1336</u>	<input checked="" type="checkbox"/> Circ Sub <u>NK</u>	T-Pulled <u>2120</u>
(E) Second Initial Flow <u>91</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>2353</u>
(F) Second Final Flow <u>116</u>	<input type="checkbox"/> Mileage <u>76.25 106.40</u>	Comments _____
(G) Final Shut-In <u>1329</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2026</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>Ø</u>
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby _____	Total <u>1656.40</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1656.40</u>	

Approved By Bob Schrieber Our Representative [Signature]

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RECEIVED
FEB 23 2012

Test Ticket

NO. 44423

4/10

BY: _____

Well Name & No. G & M #1-25 Test No. 3 Date 2-4
 Company Grand Mesa Operating Co. Elevation 3009 KB 3004 GL
 Address 1700 N Waterfront Pkwy Bldg 600 Wichita, KS 67206
 Co. Rep / Geo. Bob Schrieber Rig Murphy 24
 Location: Sec. 25 Twp. 12s Rge. 32 w Co. Logan State Ks

Interval Tested 4547 4604 Zone Tested Sanson
 Anchor Length 57' Drill Pipe Run _____ Mud Wt. 9.2
 Top Packer Depth 4542 Drill Collars Run 119 Vis 53
 Bottom Packer Depth 4547 Wt. Pipe Run 0 WL 4.8
 Total Depth 4604 Chlorides 2500 ppm System LCM 5#
 Blow Description IF: BOB @ 4 min.
IS: BOB @ 34 min
FF: BOB @ 4 min
FS: 5" return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1770</u>	<u>GS MCO</u>	<u>30</u>	<u>65</u>	<u>50</u>	<u>50</u>
<u>120</u>	<u>GMCO</u>	<u>25</u>	<u>40</u>	<u>35</u>	<u>35</u>
<u>820'</u>	<u>GIO</u>				

Rec Total 1890 BHT 129 Gravity 27 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2286 Test 1225' T-On Location 1100
 (B) First Initial Flow 96 Jars 250' T-Started 1158
 (C) First Final Flow 411 Safety Joint 75' T-Open 1403
 (D) Initial Shut-In 1113 Circ Sub USED 50' T-Pulled 1248
 (E) Second Initial Flow 416 Hourly Standby _____ T-Out 2139
 (F) Second Final Flow 747 Mileage 76 RT 100.40 Comments _____
 (G) Final Shut-In 1094 Sampler _____
 (H) Final Hydrostatic 2236 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 375.08
 Day Standby 1 day + 11 1/4 hrs Total 2081.48
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1706.40

Approved By Bob Schrieber Our Representative [Signature]

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