

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

1700 N. Waterfront Pkwy.
Bldg. 600
Wichita KS 67206

ATTN: Bob Peterson

8 16 23 Ness KS

Beamer #1-8

Start Date: 2010.05.17 @ 17:10:00

End Date: 2010.05.17 @ 22:36:00

Job Ticket #: 38277 DST #: 1

KCC
JUN 29 2010
CONFIDENTIAL

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KANSAS CORPORATION COMMISSION

JUN 30 2010

CONSERVATION DIVISION
WICHITA, KS

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

Printed: 2010.05.24 @ 13:07:09 Page 1

ORIGINAL

Grand Mesa Operating Co.

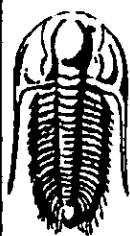
Beamer #1-8

8 16 23 Ness KS

DST # 1

Ft. Scott

2010.05.17



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Grand Mesa Operating Co.

1700 N. Waterfront Pkwy.

Bldg. 600

Wichita KS 67206

ATTN: Bob Peterson

Beamer #1-8

8 16 23 Ness KS

Job Ticket: 38277

DST#: 1

Test Start: 2010.05.17 @ 17:10:00

GENERAL INFORMATION:

Formation: **Ft. Scott**

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

Time Tool Opened: 19:13:00

Time Test Ended: 22:36:00

Test Type: **Conventional Bottom Hole**

Tester: **Chuck Kreutzer Jr.**

Unit No: **36**

Interval: **4355.00 ft (KB) To 4400.00 ft (KB) (TVD)**

Total Depth: **4400.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2499.00 ft (KB)**

2495.00 ft (CF)

KB to GR/CF: **4.00 ft**

Serial #: 6672

Inside

Press@RunDepth: **24.05 psig @ 4360.00 ft (KB)**

Start Date: **2010.05.17**

End Date:

2010.05.17

Capacity: **8000.00 psig**

Last Calib.:

2010.05.17

Start Time: **17:10:05**

End Time:

22:35:59

Time On Btm: **2010.05.17 @ 19:05:30**

Time Off Btm: **2010.05.17 @ 20:57:00**

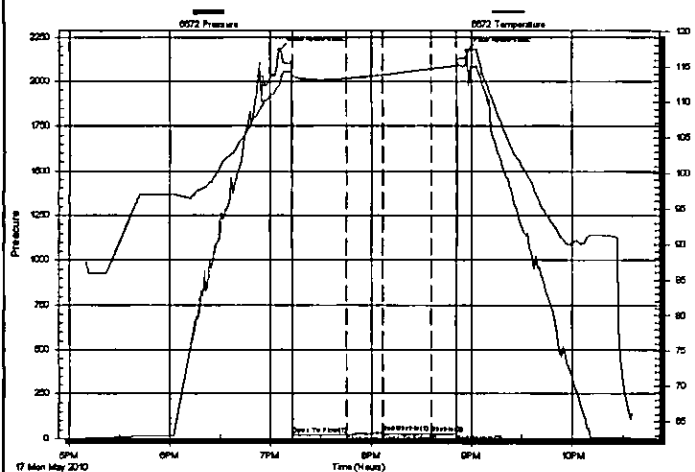
TEST COMMENT: IF: Weak surface blow, Died in 2 mins. Flushed tool 28 mins into first flow. Weak blow, Died in 15 secs.

IS: No blow back over 15 mins.

FF: No blow over 30 mins.

FS: No blow back over 15 mins.

Pressure vs. Time



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2180.17	112.37	Initial Hydro-static
8	21.00	113.66	Open To Flow (1)
40	22.02	113.30	Shut-In(1)
61	31.70	113.90	End Shut-In(1)
62	23.39	113.91	Open To Flow (2)
90	24.05	114.78	Shut-In(2)
105	27.41	115.22	End Shut-In(2)
112	2175.58	116.88	Final Hydro-static

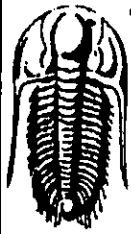
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Co.

Beamer #1-8

1700 N. Waterfront Pkwy.

8 16 23 Ness KS

Bldg. 600

Job Ticket: 38277

DST#: 1

Wichita KS 67206

ATTN: Bob Peterson

Test Start: 2010.05.17 @ 17:10:00

Tool Information

Drill Pipe:	Length: 4238.00 ft	Diameter: 3.80 inches	Volume: 59.45 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: 27000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume: 60.05 bbl		Tool Chased 2.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4355.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	73.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

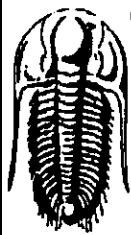
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4332.00	
Hydraulic tool	5.00			4337.00	
Jars	5.00			4342.00	
Safety Joint	3.00			4345.00	
Packer	5.00			4350.00	28.00 Bottom Of Top Packer
Packer	5.00			4355.00	
Stubb	1.00			4356.00	
Perforations	3.00			4359.00	
Change Over Sub	1.00			4360.00	
Recorder	0.00	6672	Inside	4360.00	
Recorder	0.00	6752	Inside	4360.00	
Blank Spacing	31.00			4391.00	
Change Over Sub	1.00			4392.00	
Perforations	5.00			4397.00	
Bullnose	3.00			4400.00	45.00 Bottom Packers & Anchor

Total Tool Length: 73.00

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FLUID SUMMARY

Grand Mesa Operating Co.

Beamer #1-8

1700 N. Waterfront Pkwy.

8 16 23 Ness KS

Bldg. 600

Job Ticket: 38277

DST#: 1

Wichita KS 67206

Test Start: 2010.05.17 @ 17:10:00

ATTN: Bob Peterson

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: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.38 in³

Gas Cushion Type:

Resistivity: ohm m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

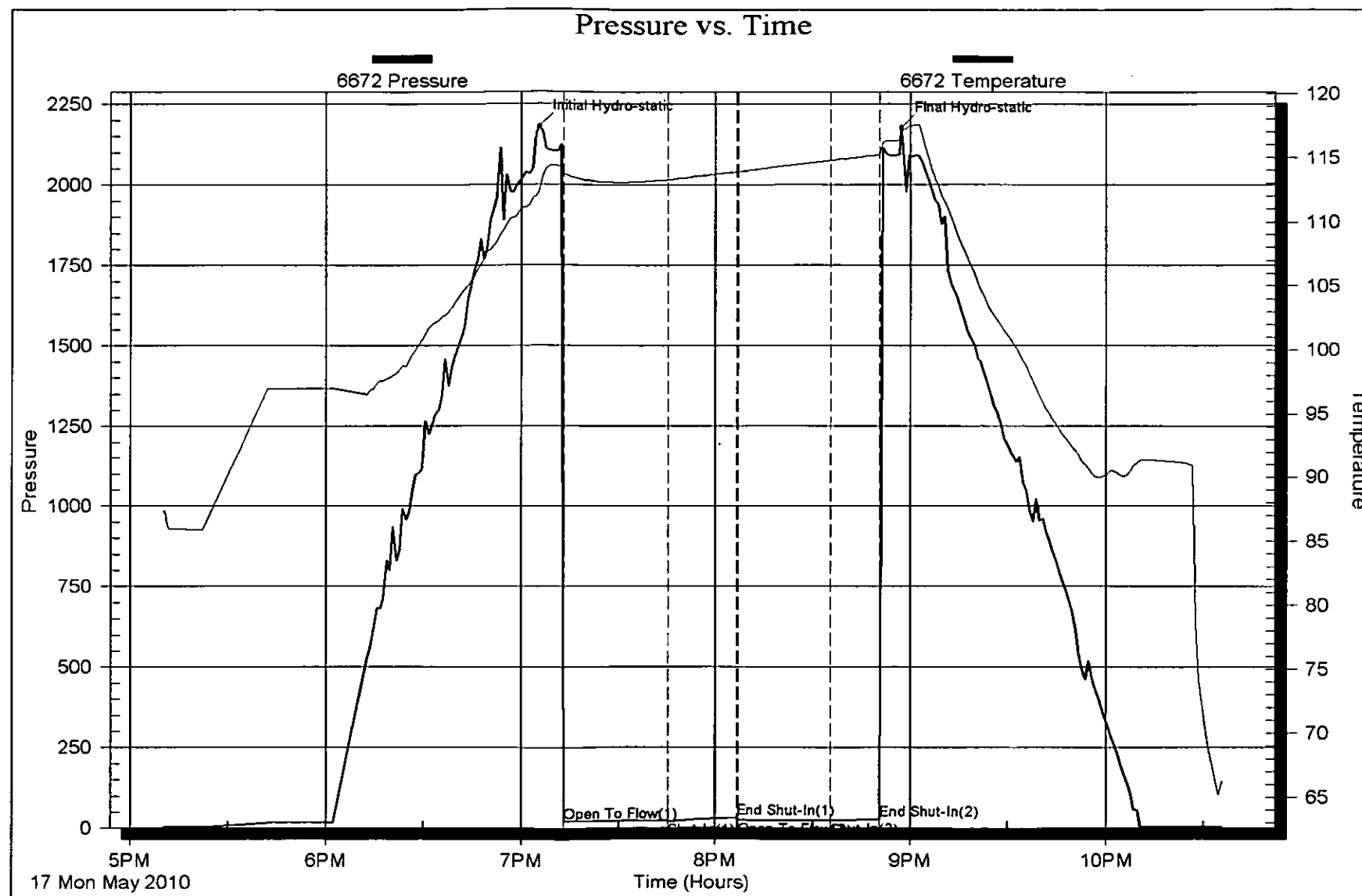
Serial #: 6672

Inside

Grand Mesa Operating Co.

8 16 23 Ness KS

DST Test Number: 1



Trilobite Testing, Inc

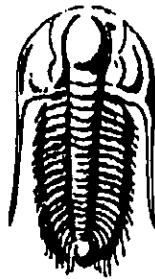
Ref. No: 38277

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CONSERVATION DIVISION
WICHITA, KS



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DRILL STEM TEST REPORT

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

1700 N. Waterfront Pkwy.
Bldg. 600
Wichita KS 67206

ATTN: Bob Peterson

8 16 23 Ness KS

Beamer #1-8

Start Date: 2010.05.18 @ 11:30:00

End Date: 2010.05.18 @ 16:21:30

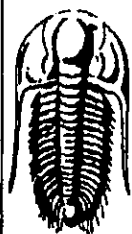
Job Ticket #: 38278 DST #: 2

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WICHITA, KS

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



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TESTING, INC.

DRILL STEM TEST REPORT

Grand Mesa Operating Co.

Beamer #1-8

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

8 16 23 Ness KS

Job Ticket: 38278

DST#: 2

Test Start: 2010.05.18 @ 11:30:00

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:14:00

Time Test Ended: 16:21:30

Test Type: Conventional Bottom Hole

Tester: Chuck Kreutzer Jr.

Unit No: 36

Interval: **4395.00 ft (KB) To 4470.00 ft (KB) (TVD)**

Total Depth: 4470.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2499.00 ft (KB)

2495.00 ft (CF)

KB to GR/CF: 4.00 ft

Serial #: 6672 Inside

Press@RunDepth: psig @ 4402.00 ft (KB)

Start Date: 2010.05.18

End Date:

2010.05.18

Capacity: 8000.00 psig

Last Calib.: 2010.05.18

Start Time: 11:30:05

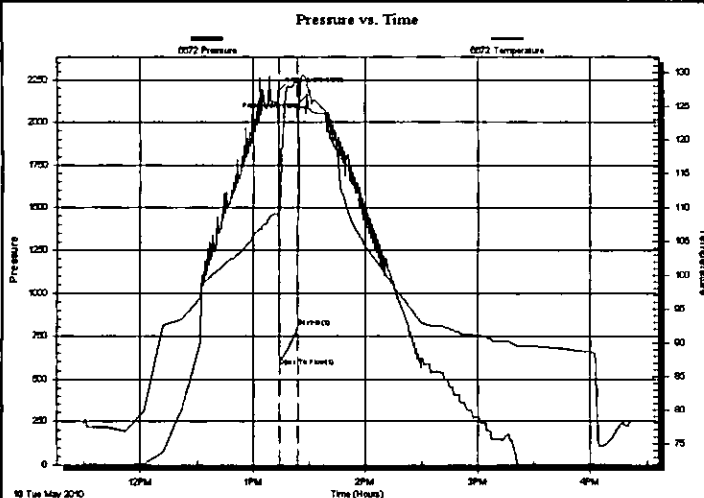
End Time:

16:21:29

Time On Btm: 2010.05.18 @ 13:13:30

Time Off Btm: 2010.05.18 @ 13:29:00

TEST COMMENT: IF: Strong blow, B.O.B in 45 secs. Pulled test after 10 mins.



PRESSURE SUMMARY

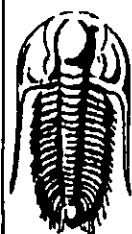
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2184.14	108.86	Initial Hydro-static
1	569.50	108.22	Open To Flow (1)
11	802.37	128.96	Shut-In(1)
16	2162.15	128.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	vsocmw -5%o5% μ 90%w	2.38
248.00	mcw -5% μ 95%w	3.48
496.00	gmcw -10%g5% μ 85%w	6.96
248.00	mud	3.48

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Co.

Beamer #1-8

1700 N. Waterfront Pkwy.

8 16 23 Ness KS

Bldg. 600

Job Ticket: 38278

DST#: 2

Wichita KS 67206

Test Start: 2010.05.18 @ 11:30:00

ATTN: Bob Peterson

Tool Information

Drill Pipe:	Length: 4269.00 ft	Diameter: 3.80 inches	Volume: 59.88 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume:	60.48 bbl	Tool Chased 2.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4395.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	103.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4372.00	
Hydraulic tool	5.00			4377.00	
Jars	5.00			4382.00	
Safety Joint	3.00			4385.00	
Packer	5.00			4390.00	28.00 Bottom Of Top Packer
Packer	5.00			4395.00	
Stubb	1.00			4396.00	
Perforations	5.00			4401.00	
Change Over Sub	1.00			4402.00	
Recorder	0.00	6672	Inside	4402.00	
Recorder	0.00	6752	Inside	4402.00	
Blank Spacing	63.00			4465.00	
Change Over Sub	1.00			4466.00	
Perforations	1.00			4467.00	
Bullnose	3.00			4470.00	75.00 Bottom Packers & Anchor

Total Tool Length: 103.00

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FLUID SUMMARY

Grand Mesa Operating Co.

Beamer #1-8

1700 N. Waterfront Pkwy.

8 16 23 Ness KS

Bldg. 600

Job Ticket: 38278

DST#: 2

Wichita KS 67206

Test Start: 2010.05.18 @ 11:30:00

ATTN: Bob Peterson

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:

67000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	vsocmw -5%o5%m90%w	2.377
248.00	mcw -5%m95%w	3.479
496.00	gmcw -10%g5%m85%w	6.958
248.00	mud	3.479

Total Length: 1240.00 ft

Total Volume: 16.293 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .14 @ 65F = 67000 chlorides

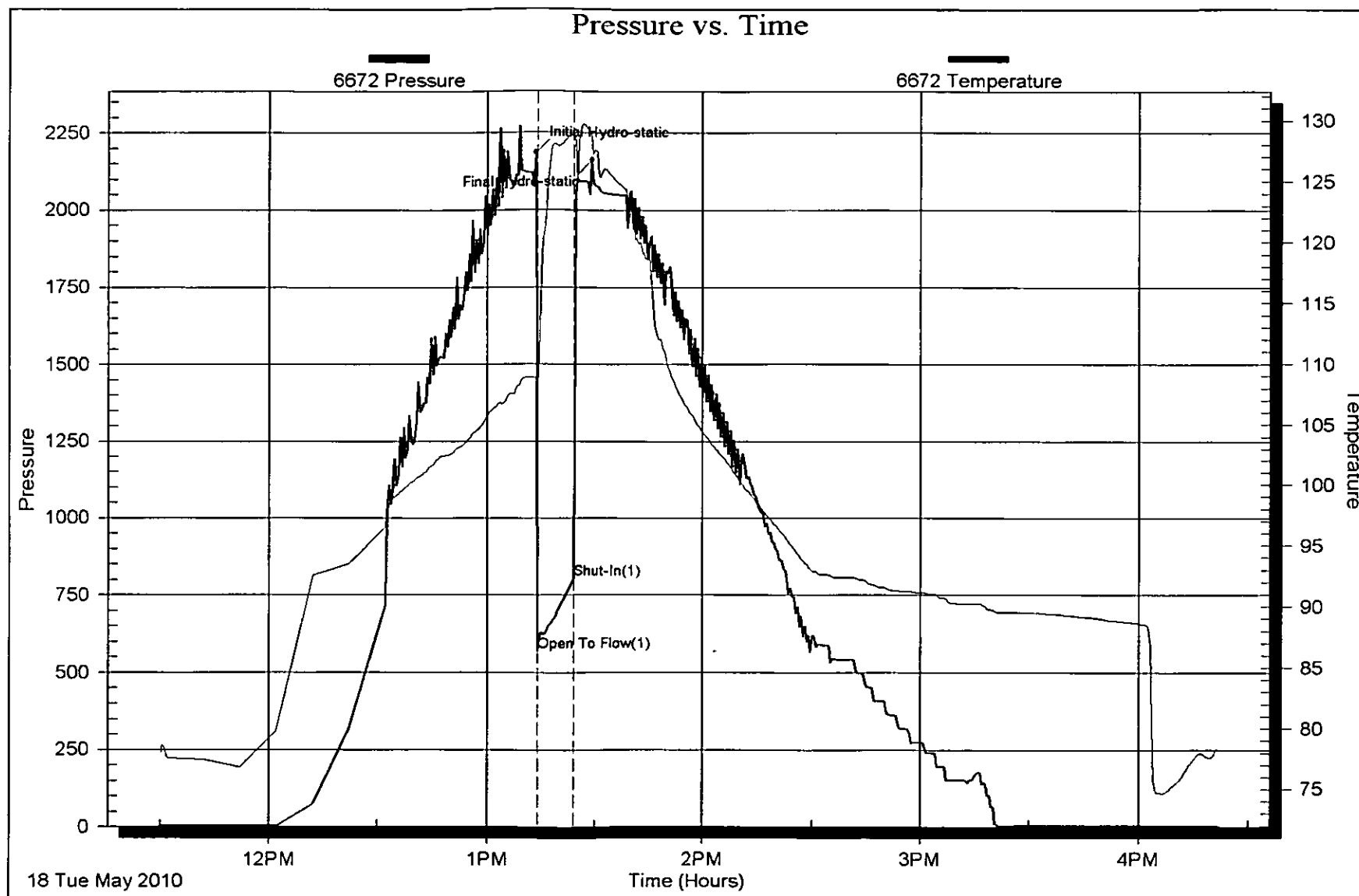
Serial #: 6672

Inside

Grand Mesa Operating Co.

8 16 23 Ness KS

DST Test Number: 2



Trilobite Testing, Inc

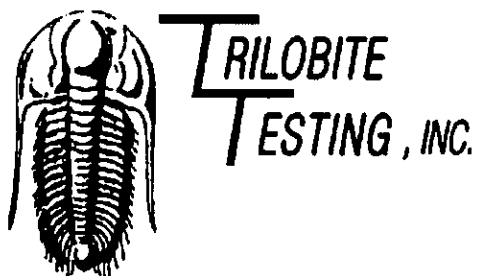
Ref. No: 38278

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JUN 30 2010

CONSERVATION DIVISION
WICHITA, KS



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

1700 N. Waterfront Pkwy.
Bldg. 600
Wichita KS 67206

ATTN: Bob Peterson

8 16 23 Ness KS

Beamer #1-8

Start Date: 2010.05.19 @ 11:30:26

End Date: 2010.05.19 @ 16:56:26

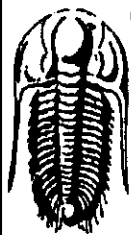
Job Ticket #: 38660 DST #: 3

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WICHITA, KS

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Grand Mesa Operating Co.

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

Beamer #1-8

8 16 23 Ness KS

Job Ticket: 38660

DST#: 3

Test Start: 2010.05.19 @ 11:30:26

GENERAL INFORMATION:

Formation: Cherokee Sand

Deviated: No Whipstock ft (KB)

Time Tool Opened: 14:22:26

Time Test Ended: 16:56:26

Interval: 4447.00 ft (KB) To 4463.00 ft (KB) (TVD)

Total Depth: 4554.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Straddle

Tester: Tyson Flax

Unit No: 44

Reference Elevations: 2499.00 ft (KB)

2495.00 ft (CF)

KB to GR/CF: 4.00 ft

Serial #: 8654 Outside

Press@RunDepth: psig @ 4454.00 ft (KB)

Start Date: 2010.05.19

End Date:

2010.05.19

Capacity: 8000.00 psig

Last Calib.: 2010.05.19

Start Time: 11:30:27

End Time:

16:56:26

Time On Btm: 2010.05.19 @ 14:20:56

Time Off Btm: 2010.05.19 @ 14:33:56

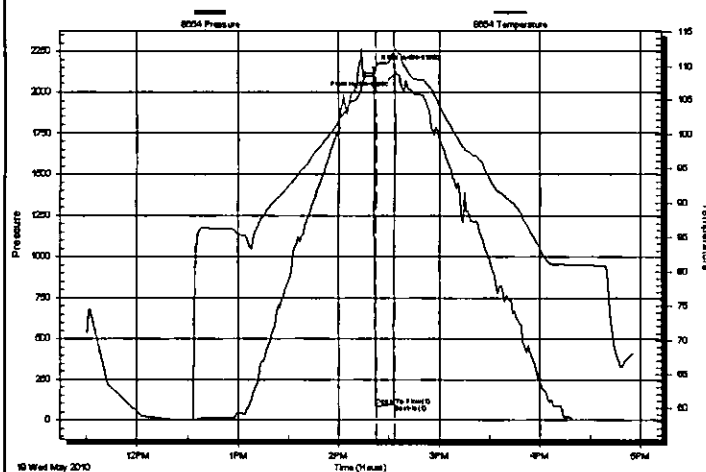
TEST COMMENT: IFF-Fair blow built to 10"

ISI-

FFP-

FSI-

Pressure vs. Time



PRESSURE SUMMARY

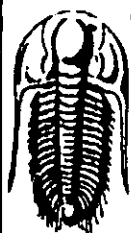
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2147.94	108.47	Initial Hydro-static
2	81.55	110.14	Open To Flow (1)
12	98.79	111.95	Shut-In (1)
13	2118.55	112.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	HOCM 30%O, 70%M	1.42
10.00	HOCM 40%O, 60%M	0.14

Gas Rates

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

DRILL STEM TEST REPORT

Grand Mesa Operating Co.

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

Beamer #1-8

8 16 23 Ness KS

Job Ticket: 38660

DST#: 3

Test Start: 2010.05.19 @ 11:30:26

GENERAL INFORMATION:

Formation: **Cherokee Sand**

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

Time Tool Opened: 14:22:26

Time Test Ended: 16:56:26

Test Type: **Conventional Straddle**

Tester: **Tyson Flax**

Unit No: **44**

Interval: **4447.00 ft (KB) To 4463.00 ft (KB) (TVD)**

Total Depth: **4554.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2499.00 ft (KB)**

2495.00 ft (CF)

KB to GR/CF: **4.00 ft**

Serial #: 6669 Below (Straddle)

Press@RunDepth: **psig @ 4467.00 ft (KB)**

Start Date: **2010.05.19** End Date: **2010.05.19**

Start Time: **11:29:57** End Time: **16:58:26**

Capacity: **8000.00 psig**

Last Calib.: **2010.05.19**

Time On Btm

Time Off Btm

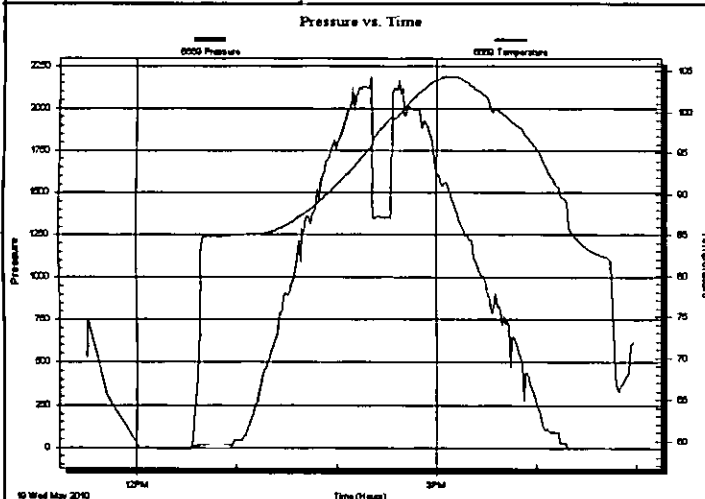
TEST COMMENT: **IFP-Fair blow built to 10"**

ISI-

FFP-

FSI-

PRESSURE SUMMARY



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

Length (ft)	Description	Volume (bbl)
180.00	HOCM 30%O,70%M	1.42
10.00	HOCM 40%O,60%M	0.14

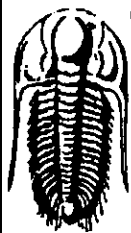
Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcfd)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Co.

Beamer #1-8

1700 N. Waterfront Pkwy.

8 16 23 Ness KS

Bldg. 600

Job Ticket: 38660

DST#: 3

Wichita KS 67206

Test Start: 2010.05.19 @ 11:30:26

ATTN: Bob Peterson

Tool Information

Drill Pipe:	Length: 4310.00 ft	Diameter: 3.80 inches	Volume: 60.46 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	70000.00 lb
		Total Volume:	61.06 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4447.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	4463.00 ft				
Interval between Packers:	16.00 ft				
Tool Length:	132.00 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			4425.00	
Shut in Tool	5.00			4430.00	
Hydraulic tool	5.00			4435.00	
Jars	5.00			4440.00	
Safety Joint	2.00			4442.00	
Packer	5.00			4447.00	23.00 Bottom Of Top Packer
Stubb	1.00			4448.00	
Perforations	6.00			4454.00	
Recorder	0.00	6668	Inside	4454.00	
Recorder	0.00	8654	Outside	4454.00	
Perforations	5.00			4459.00	
Blank Off Sub	1.00			4460.00	
Stubb	3.00			4463.00	16.00 Tool Interval
Packer	1.00			4464.00	
Stubb	1.00			4465.00	
Perforations	1.00			4466.00	
Change Over Sub	1.00			4467.00	
Recorder	0.00	6669	Below	4467.00	
Blank Spacing	89.00			4556.00	93.00 Bottom Packers & Anchor

Total Tool Length: 132.00



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1700 N. Waterfront Pkwy.

8 16 23 Ness KS

Bldg. 600

Job Ticket: 38660

DST#: 3

Wichita KS 67206

ATTN: Bob Peterson

Test Start: 2010.05.19 @ 11:30:26

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: 43.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	HOCM 30%O, 70%M	1.423
10.00	HOCM 40%O, 60%M	0.140

Total Length: 190.00 ft

Total Volume: 1.563 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

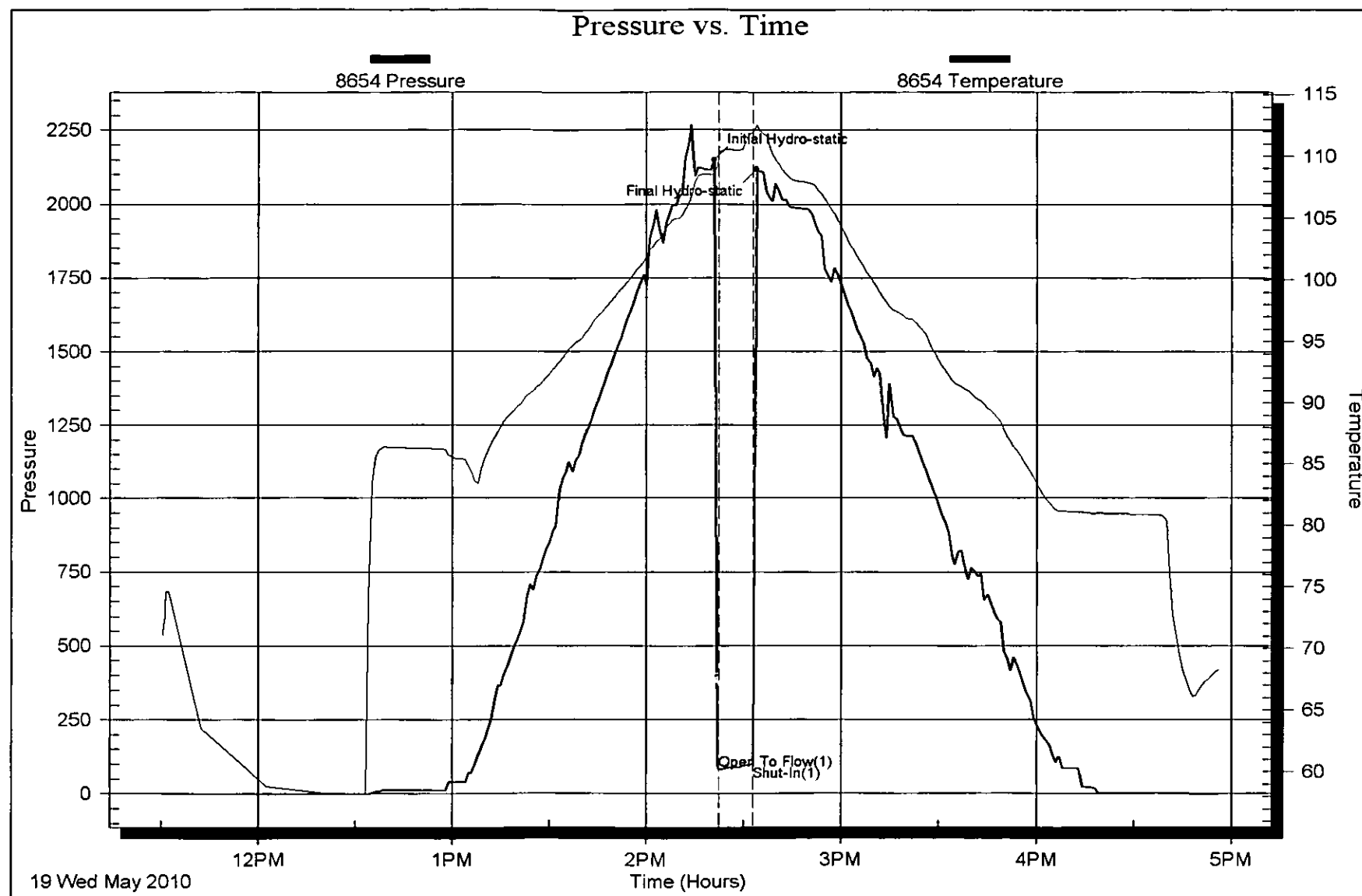
Laboratory Location:

Recovery Comments:

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KANSAS CORPORATION COMMISSION

JUN 30 2010

CONSERVATION DIVISION
WICHITA, KS

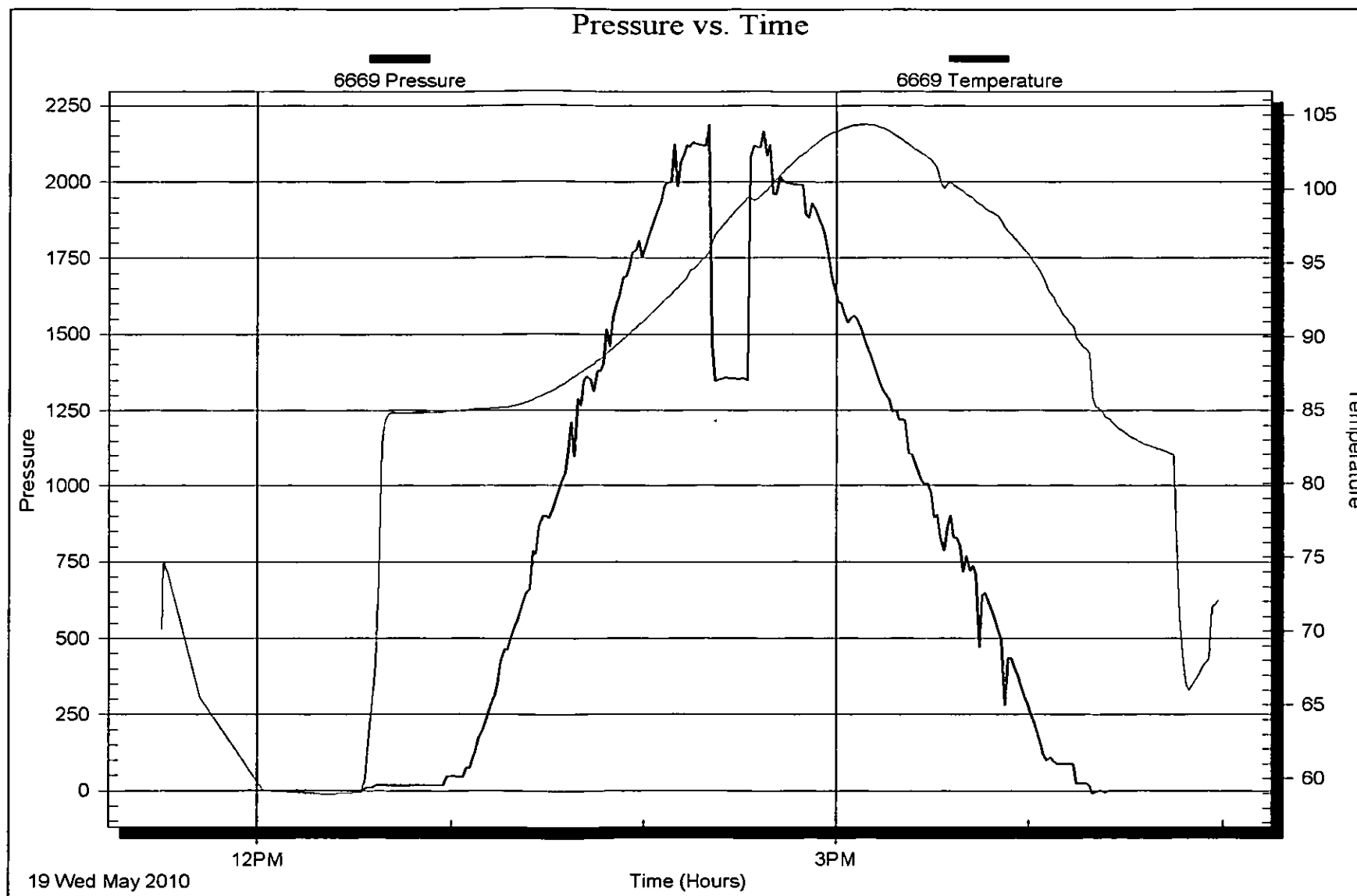


Serial #: 6669

Below (Strata) Mesa Operating Co.

8 16 23 Ness KS

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 38660

Printed: 2010.05.24 @ 13:07:49 Page 7

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JUN 30 2010

CONSERVATION DIVISION
WICHITA, KS



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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MAY 20 2010

Test Ticket

NO. 38277

Well Name & No. Beamer # 1-8 Test No. 1 Date 05-17-10
Company Grand Mesa Oper. Elevation 2499 KB 2495 GL
Address 1700 N. water front PKWY. Bldg. 600 Wichita KS 67206
Co. Rep / Geo. Ronald Sinclair Rig Murfin #24
Location: Sec. 8 Twp. 16 Rge. 23 Co. Neosho State KS

Interval Tested 4355 4400 Zone Tested FT Scott
Anchor Length 45 Drill Pipe Run 4238 Mud Wt. 9.0
Top Packer Depth 4350 Drill Collars Run 121 Vis 62
Bottom Packer Depth 4355 Wt. Pipe Run -0- WL 7.4
Total Depth 4400 Chlorides 2000 ppm System LCM 1#

Blow Description IF: Weak surface blow, Died in 2 mins. Flushed tool, weak blow, died 15 secs.

ISI: No blow back over 15 mins.

FF: No blow over 30 mins.

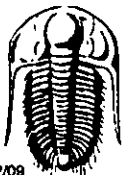
FSE: No blow back over 15 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>				<u>100</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	BHT	Gravity	API RW	@	F	Chlorides	ppm
<u>5</u>	<u>115</u>						
(A) Initial Hydrostatic	<u>2180</u>	☒ Test	<u>1225</u>			T-On Location	<u>1530</u>
(B) First Initial Flow	<u>21</u>	☒ Jars	<u>250</u>			T-Started	<u>17:10</u>
(C) First Final Flow	<u>22</u>	☒ Safety Joint	<u>75</u>			T-Open	
(D) Initial Shut-In	<u>32</u>	☐ Circ Sub				T-Pulled	<u>20:50</u>
(E) Second Initial Flow	<u>23</u>	☐ Hourly Standby				T-Out	
(F) Second Final Flow	<u>24</u>	☒ Mileage <u>120 RT</u>	<u>150</u>			Comments	<u>JUN 30 2010</u>
(G) Final Shut-In	<u>27</u>	☐ Sampler					
(H) Final Hydrostatic	<u>2176</u>	☐ Straddle					

Initial Open	<u>30</u>	☐ Shale Packer	☐ Ruined Shale Packer
Initial Shut-In	<u>15</u>	☐ Extra Packer	☐ Ruined Packer
Final Flow	<u>30</u>	☐ Extra Recorder	☐ Extra Copies
Final Shut-In	<u>15</u>	☐ Day Standby	Sub Total <u>0</u>
		☐ Accessibility	Total <u>1700-</u>
		Sub Total <u>1700-</u>	

Approved By _____ Our Representative Charles [Signature]
Triobite 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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED Test Ticket
MAY 20 2010 No. 38278

BY:

Well Name & No. Beamer #1-8 Test No. 2 Date 5-17-10
Company Grand Mesa Oper. Elevation 2499 KB 2495 GL
Address 1700 N. Waterfront Pkwy. Bldg. 600 Wichita KS 67206
Co. Rep / Geo. Bob Rig Mur Fin #24
Location: Sec. 8 Twp. 16 Rge. 23 Co. Ness State KS

Interval Tested 4395 4470 Zone Tested Cherokee
Anchor Length 45 Drill Pipe Run 4269 Mud Wt. 9.0
Top Packer Depth 4390 Drill Collars Run 121 Vis 57
Bottom Packer Depth 4395 Wt. Pipe Run 0 WL 7.4
Total Depth 4470 Chlorides 2000 ppm System LCM AF
Blow Description IF: strong blow, B.O.B in 45 sec. Pulled tool After 10 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>248</u>	<u>mud</u>			<u>100</u>	<u>%mud</u>
<u>496</u>	<u>gncw</u>	<u>10</u>		<u>85</u>	<u>5</u> %mud
<u>248</u>	<u>mcw</u>			<u>95</u>	<u>5</u> %mud
<u>248</u>	<u>USOCMW</u>		<u>5</u>	<u>90</u>	<u>5</u> %mud

Rec Total 1240 BHT _____ Gravity _____ API RW 14 @ 65 °F Chlorides 67000 ppm

(A) Initial Hydrostatic 2272

☒ Test 1225

T-On Location 9:30

(B) First Initial Flow 570

☒ Jars 250

T-Started 11:30

(C) First Final Flow 802

☒ Safety Joint 75

T-Open _____

(D) Initial Shut-In _____

☐ Circ Sub _____

T-Pulled 13:25

(E) Second Initial Flow _____

☒ Hourly Standby _____

T-Out _____

(F) Second Final Flow _____

☒ Mileage 120 RT 50

Comments **RECEIVED**
KANSAS CORPORATION COMMISSION

(G) Final Shut-In _____

☐ Sampler _____

JUN 30 2010

(H) Final Hydrostatic 2162

☐ Straddle _____

CONSERVATION DIVISION
WICHITA, KS

Initial Open 10

☐ Shale Packer _____

☐ Ruined Shale Packer _____

Initial Shut-In _____

☐ Extra Packer _____

☐ Ruined Packer _____

Final Flow _____

☐ Extra Recorder _____

☐ Extra Copies _____

Final Shut-In _____

☐ Day Standby _____

Sub Total 0

☐ Accessibility _____

Total 1700

Sub Total 1700

Approved By _____

Our Representative Chub

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.



**TRILOBITE
TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAY 21 2010

Test Ticket

NO. 38660

Well Name & No. Beamer #1-8 BY: _____ Test No. 3 Date 5-19-10
Company Grand Mesa Elevation 2499 KB 2495 GL _____
Address _____
Co. Rep / Geo. Bob Peterson Rig Murkin #24
Location: Sec. 8 Twp. 16^S Rge. 23^W Co. N State KS

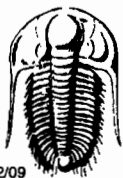
Interval Tested 4447 - 4463 Zone Tested Cherokee Sand
Anchor Length 16 Drill Pipe Run 4310 Mud Wt. 9.1
Top Packer Depth 4447 Drill Collars Run 121 Vis 43
Bottom Packer Depth 4463 Wt. Pipe Run _____ WL 10
Total Depth 4554 Chlorides 2500 ppm System LCM _____
Blow Description IFP - Fair blow built to 10" - pulled rest
ISI -
FFP -
FSI -

Rec	Feet of	RECEIVED KANSAS CORPORATION COMMISSION JUN 30 2010 CONSERVATION DIVISION WICHITA, KS	%gas	%oil	%water	%mud
<u>10</u>	<u>HOCM</u>		<u>40</u>	<u>40</u>	<u>60</u>	<u>60</u>
<u>180</u>	<u>HOCM</u>		<u>30</u>	<u>30</u>	<u>70</u>	<u>70</u>
____	____		____	____	____	____
____	____		____	____	____	____
____	____		____	____	____	____

Rec Total 190 BHT 112 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2148 ☒ Test 1225 T-On Location 10:00
(B) First Initial Flow 82 ☒ Jars 250 T-Started 11:30
(C) First Final Flow 99 ☒ Safety Joint 75 T-Open 14:22
(D) Initial Shut-In _____ ☐ Circ Sub _____ T-Pulled 14:32
(E) Second Initial Flow _____ ☐ Hourly Standby _____ T-Out 16:56
(F) Second Final Flow _____ ☒ Mileage 120 RT 150 Comments _____
(G) Final Shut-In _____ ☐ Sampler _____
(H) Final Hydrostatic 2119 ☒ Straddle 600 _____
☐ Shale Packer _____ ☐ Ruined Shale Packer _____
☐ Extra Packer _____ ☐ Ruined Packer _____
☐ Extra Recorder _____ ☐ Extra Copies _____
☐ Day Standby _____ Sub Total 0
☐ Accessibility _____ Total 2300
Sub Total 2300

Approved By _____ Our Representative [Signature]
Triobite 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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAY 20 2010

Test Ticket

NO. 38277 14264

BY: _____

Well Name & No. Beamer # 1-8 Test No. 1 Date 05-17-10
 Company Grand Mesa Oper. Elevation 2499 KB 2495 GL
 Address 1700 N. Waterfront Pkwy. Bldg. 600 Wichita KS 67206
 Co. Rep / Geo. Ronald Sinclair Rig Murfin #24
 Location: Sec. 8 Twp. 16 Rge. 23 Co. Neos State KS

Interval Tested 4355 4400 Zone Tested Ft Scott
 Anchor Length 45 Drill Pipe Run 4238 Mud Wt. 9.0
 Top Packer Depth 4350 Drill Collars Run 121 Vis 62
 Bottom Packer Depth 4355 Wt. Pipe Run -0- WL 7.4
 Total Depth 4400 Chlorides 2000 ppm System LCM 1#

Blow Description IF: Weak surface blow, Died in 2 mins. Flushed tool, weak blow, Died 15 secs.

ISI: No blow back over 15 mins.

FF: No blow over 30 mins.

FSI: No blow back over 15 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>				<u>100</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 5 BHT 115 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm
 (A) Initial Hydrostatic 2180 ☒ Test 1225 T-On Location 1530
 (B) First Initial Flow 21 ☒ Jars 250 T-Started 17:10
 (C) First Final Flow 22 ☒ Safety Joint 75 T-Open _____
 (D) Initial Shut-In 32 ☐ Circ Sub _____ T-Pulled 20:50
 (E) Second Initial Flow 23 ☐ Hourly Standby _____ T-Out _____
 (F) Second Final Flow 24 ☒ Mileage 120 RT 150 Comments _____
 (G) Final Shut-In 27 ☐ Sampler _____
 (H) Final Hydrostatic 2176 ☐ Straddle _____

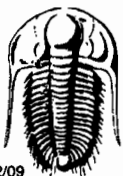
Initial Open 30
 Initial Shut-In 15
 Final Flow 30
 Final Shut-In 15

☐ Shale Packer ☐ Ruined Shale Packer
☐ Extra Packer ☐ Ruined Packer
☐ Extra Recorder ☐ Extra Copies
☐ Day Standby Sub Total 0
☐ Accessibility Total 1700-
 Sub Total 1700-

Approved By _____

Our Representative check

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED Test Ticket

MAY 20 2010

No. 38278

12/09

BY:

Well Name & No. Beamer # 1-8 Test No. 2 Date 5-17-10
 Company Grand mesa opert. Elevation 2499 KB 2495 GL
 Address 1700 W. Waterfront Pkwy. Bldg. 600 Wichita KS 67206
 Co. Rep / Geo. Bob Rig Mur Fin #24
 Location: Sec. 8 Twp. 16 Rge. 23 Co. Ness State KS

Interval Tested 4395 4470 Zone Tested Cherokee
 Anchor Length 45 Drill Pipe Run 4269 Mud Wt. 9.0
 Top Packer Depth 4390 Drill Collars Run 121 Vis 57
 Bottom Packer Depth 4395 Wt. Pipe Run 0 WL 2.4
 Total Depth 4470 Chlorides 2000 ppm System LCM AF
 Blow Description IF: strong blow, B.O.B in 45 sec. Pulled tool After 10 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>248</u>	<u>mud</u>			<u>100</u>	
<u>496</u>	<u>gmcw</u>	<u>10</u>		<u>85</u>	<u>5</u>
<u>248</u>	<u>mcw</u>			<u>95</u>	<u>5</u>
<u>248</u>	<u>USOIMW</u>		<u>5</u>	<u>90</u>	<u>5</u>

Rec Total 1240 BHT Gravity 14 API RW 65 °F Chlorides 6700 ppm

(A) Initial Hydrostatic <u>2272</u>	☒ Test <u>1225</u>	T-On Location <u>9:30</u>
(B) First Initial Flow <u>570</u>	☒ Jars <u>250</u>	T-Started <u>11:30</u>
(C) First Final Flow <u>802</u>	☒ Safety Joint <u>75</u>	T-Open
(D) Initial Shut-In	☐ Circ Sub	T-Pulled <u>13:25</u>
(E) Second Initial Flow	☒ Hourly Standby	T-Out
(F) Second Final Flow	☒ Mileage <u>120RT</u> <u>150</u>	Comments
(G) Final Shut-In	☐ Sampler	
(H) Final Hydrostatic <u>2162</u>	☐ Straddle	

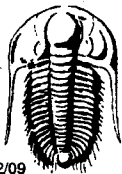
Initial Open 10
 Initial Shut-In
 Final Flow
 Final Shut-In

☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
 Sub Total 0
 Total 1700
 Sub Total 1700

Approved By

Our Representative

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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAY 21 2010

Test Ticket

NO. 38660

Well Name & No. Beamer #1-8 BY: _____ Test No. 3 Date 5-19-10
Company Grand Mesa Elevation 2499 KB 2495 GL _____
Address _____
Co. Rep / Geo. Bob Peterson Rig Murkin #24
Location: Sec. 8 Twp. 16S Rge. 23W Co. N State KS

Interval Tested 4447 - 4463 Zone Tested Cherokee Sand
Anchor Length 16 Drill Pipe Run 4310 Mud Wt. 9.1
Top Packer Depth 4447 Drill Collars Run 121 Vis 43
Bottom Packer Depth 4463 Wt. Pipe Run _____ WL 10
Total Depth 4564 Chlorides 2500 ppm System LCM _____
Blow Description IFP - Fair blow built to 10" - pulled rest
ISI -
FFP -
FSI -

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>HOCM</u>		<u>40</u>		<u>60</u>
<u>180</u>	<u>HOCM</u>		<u>30</u>		<u>70</u>
_____	_____				
_____	_____				
_____	_____				

Rec Total 190 BHT 112 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2148</u>	☒ Test <u>1225</u>	T-On Location <u>10:00</u>
(B) First Initial Flow <u>82</u>	☒ Jars <u>250</u>	T-Started <u>11:30</u>
(C) First Final Flow <u>99</u>	☒ Safety Joint <u>75</u>	T-Open <u>14:22</u>
(D) Initial Shut-In _____	☐ Circ Sub _____	T-Pulled <u>14:32</u>
(E) Second Initial Flow _____	☐ Hourly Standby _____	T-Out <u>16:56</u>
(F) Second Final Flow _____	☒ Mileage <u>180 RT 150</u>	Comments _____
(G) Final Shut-In _____	☐ Sampler _____	_____
(H) Final Hydrostatic <u>2119</u>	☒ Straddle <u>600</u>	_____
Initial Open <u>10</u>	☐ Shale Packer _____	☐ Ruined Shale Packer _____
Initial Shut-In _____	☐ Extra Packer _____	☐ Ruined Packer _____
Final Flow _____	☐ Extra Recorder _____	☐ Extra Copies _____
Final Shut-In _____	☐ Day Standby _____	Sub Total <u>0</u>
	☐ Accessibility _____	Total <u>2300</u>
	Sub Total <u>2300</u>	

Approved By _____

Our Representative [Signature]

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