TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

200 E. First, Ste. 307
Wichita ks. 67202

ATTN: Pat Deenihan

10-23s-10w Reno Ks.

Keesling #1-10

Start Date: 2006.01.02 @ 13:53:14

End Date: 2006.01.02 @ 19:55:44

Job Ticket #: 22012 DST #: 1

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

DRILL STEM TEST REPORT

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Grand Mesa Operating Co.

200 E.First,Ste.307
Wichita ks.67202

ATTN: Pat Deenihan

Keesling #1-10

10-23s-10w Reno Ks.

Job Ticket: 22012 **DST#: 1**

Test Start: 2006.01.02 @ 13:53:14

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:43:44
Time Test Ended: 19:55:44

Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 23

Interval: 3666.00 ft (KB) To 3775.00 ft (KB) (TVD)
Total Depth: 3775.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

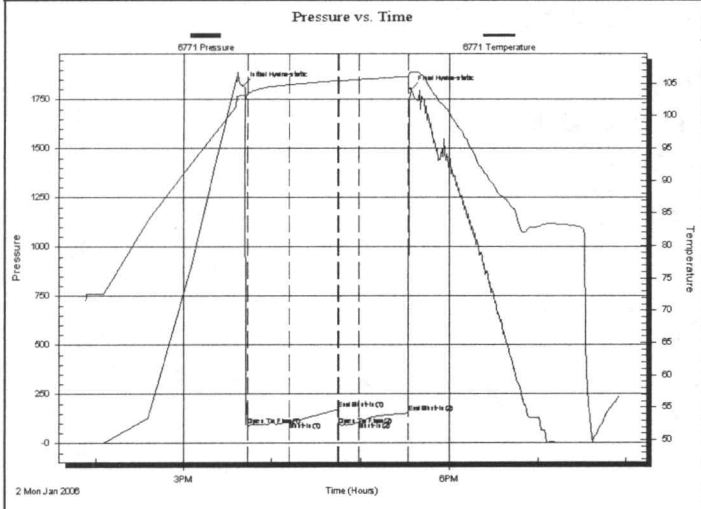
Reference Elevations: 1772.00 ft (KB)
1763.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6771 **Inside**

Press@RunDepth: 108.36 psig @ 3667.00 ft (KB)
Start Date: 2006.01.02 End Date: 2006.01.02
Start Time: 13:53:19 End Time: 19:55:43

Capacity: 7000.00 psig
Last Calib.: 2006.01.02
Time On Btm: 2006.01.02 @ 15:40:29
Time Off Btm: 2006.01.02 @ 17:33:44

TEST COMMENT: IF:Fair decreasing blow . 5 - 1 1/2". Lost approx. 15 ft. of mud on backside as tool opened. ISI:No blow .
FF:No blow . FSI:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1817.83	103.17	Initial Hydro-static
4	90.88	103.36	Open To Flow (1)
32	108.29	104.79	Shut-In(1)
65	172.28	105.40	End Shut-In(1)
65	92.05	105.38	Open To Flow (2)
79	108.36	105.58	Shut-In(2)
112	152.88	106.03	End Shut-In(2)
114	1800.97	106.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
135.00	Drlg.mud	0.66

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Co.

200 E.First,Ste.307
Wichita ks.67202

ATTN: Pat Deenihan

Keesling #1-10

10-23s-10w Reno Ks.

Job Ticket: 22012 **DST#: 1**

Test Start: 2006.01.02 @ 13:53:14

Tool Information

Drill Pipe:	Length:	3409.00 ft	Diameter:	3.80 inches	Volume:	47.82 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	248.00 ft	Diameter:	2.25 inches	Volume:	1.22 bbl	
					Total Volume:	49.04 bbl	

Drill Pipe Above KB:	11.00 ft
Depth to Top Packer:	3666.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	109.00 ft
Tool Length:	129.00 ft
Number of Packers:	2
Diameter:	6.75 inches

Tool Weight:		2100.00 lb
Weight set on Packer:		22000.00 lb
Weight to Pull Loose:		72000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	64000.00 lb
	Final	64000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3647.00		
Shut In Tool	5.00			3652.00		
Hydraulic tool	5.00			3657.00		
Packer	4.00			3661.00	20.00	Bottom Of Top Packer
Packer	5.00			3666.00		
Stubb	1.00			3667.00		
Recorder	0.00	6771	Inside	3667.00		
Perforations	8.00			3675.00		
Change Over Sub	1.00			3676.00		
Blank Spacing	93.00			3769.00		
Change Over Sub	1.00			3770.00		
Recorder	0.00	13222	Outside	3770.00		
Bullnose	5.00			3775.00	109.00	Bottom Packers & Anchor
Total Tool Length:	**129.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Co.

200 E.First,Ste.307
Wichita ks.67202

ATTN: Pat Deenihan

Keesling #1-10

10-23s-10w Reno Ks.

Job Ticket: 22012 **DST#: 1**

Test Start: 2006.01.02 @ 13:53:14

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:	5000 ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.58 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

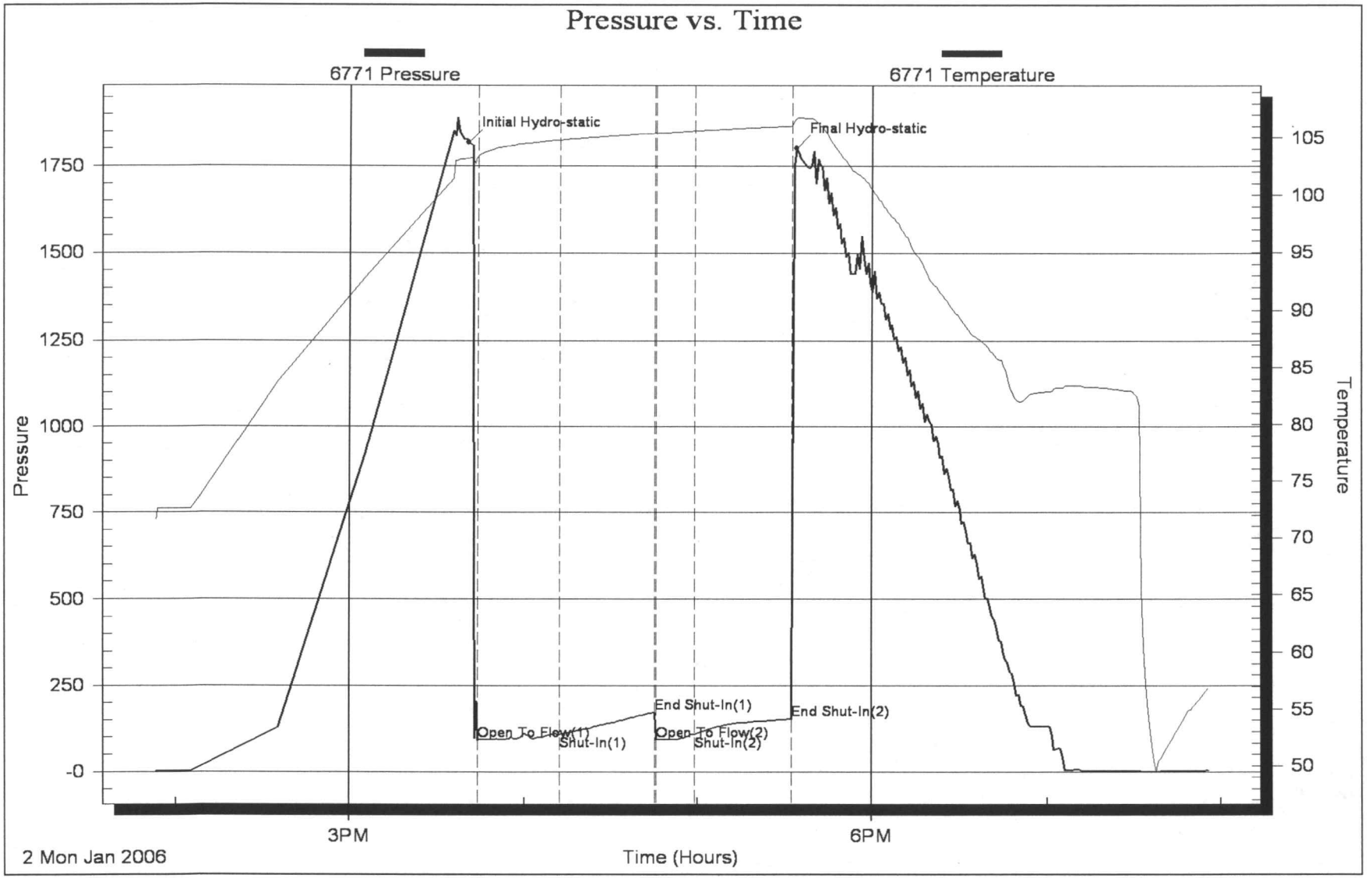
Length ft	Description	Volume bbl
135.00	Drlg.mud	0.664

Total Length: 135.00 ft Total Volume: 0.664 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6771 Pressure
6771 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
-0
105
100
95
90
85
80
75
70
65
60
55
50
3PM
6PM
2 Mon Jan 2006
Time (Hours)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

200 E.First,Ste.307
Wichita ks.67202

ATTN: Pat Deenihan

10-23s-10w Reno Ks.

Keesling #1-10

Start Date: 2006.01.03 @ 09:03:52
End Date: 2006.01.03 @ 15:35:37
Job Ticket #: 22013 DST #: 2

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

DRILL STEM TEST REPORT

Grand Mesa Operating Co.

200 E.First,Ste.307
Wichita ks.67202

ATTN: Pat Deenihan

Keesling #1-10

10-23s-10w Reno Ks.

Job Ticket: 22013 **DST#: 2**

Test Start: 2006.01.03 @ 09:03:52

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:09:07
Time Test Ended: 15:35:37

Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 23

Interval: 3799.00 ft (KB) To 3826.00 ft (KB) (TVD)
Total Depth: 3826.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

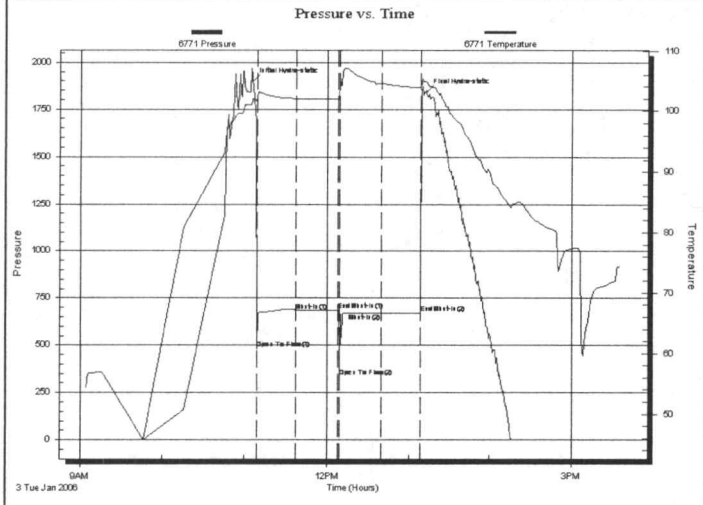
Reference Elevations: 1772.00 ft (KB)
1763.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6771 **Inside**

Press@RunDepth: 670.06 psig @ 3800.00 ft (KB)
Start Date: 2006.01.03 End Date: 2006.01.03
Start Time: 09:03:57 End Time: 15:35:36

Capacity: 7000.00 psig
Last Calib.: 2006.01.03
Time On Btm: 2006.01.03 @ 11:05:52
Time Off Btm: 2006.01.03 @ 13:12:52

TEST COMMENT: IF:Weak blow . 3" decreasing to 1 1/2".
ISI:No blow .
FF:Fair blow . 5" decreasing to 3".
FSI:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1898.24	101.97	Initial Hydro-static
4	482.32	102.09	Open To Flow (1)
32	680.70	102.01	Shut-In(1)
62	684.50	101.94	End Shut-In(1)
64	331.37	105.66	Open To Flow (2)
94	670.06	104.50	Shut-In(2)
123	670.17	103.81	End Shut-In(2)
127	1842.09	104.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	GCM w /trace of oil >1%o 18%g 82%m	0.61
75.00	Drlg.mud	0.37

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Co.

200 E.First,Ste.307
Wichita ks.67202

ATTN: Pat Deenihan

Keesling #1-10

10-23s-10w Reno Ks.

Job Ticket: 22013 **DST#: 2**

Test Start: 2006.01.03 @ 09:03:52

Tool Information

Drill Pipe:	Length:	3533.00 ft	Diameter:	3.80 inches	Volume:	49.56 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	248.00 ft	Diameter:	2.25 inches	Volume:	1.22 bbl	
					Total Volume:	50.78 bbl	

Drill Pipe Above KB:	9.00 ft
Depth to Top Packer:	3799.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	27.00 ft
Tool Length:	54.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2100.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	96000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	66000.00 lb
Final	66000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3773.00		
Shut In Tool	5.00			3778.00		
Hydraulic tool	5.00			3783.00		
Jars	5.00			3788.00		
Safety Joint	2.00			3790.00		
Packer	4.00			3794.00	27.00	Bottom Of Top Packer
Packer	5.00			3799.00		
Stubb	1.00			3800.00		
Recorder	0.00	6771	Inside	3800.00		
Perforations	21.00			3821.00		
Recorder	0.00	13222	Outside	3821.00		
Bullnose	5.00			3826.00	27.00	Bottom Packers & Anchor
Total Tool Length:	**54.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Co.

200 E.First,Ste.307
Wichita ks.67202

ATTN: Pat Deenihan

Keesling #1-10

10-23s-10w Reno Ks.

Job Ticket: 22013 **DST#: 2**

Test Start: 2006.01.03 @ 09:03:52

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:	5000 ppm
Viscosity:	57.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

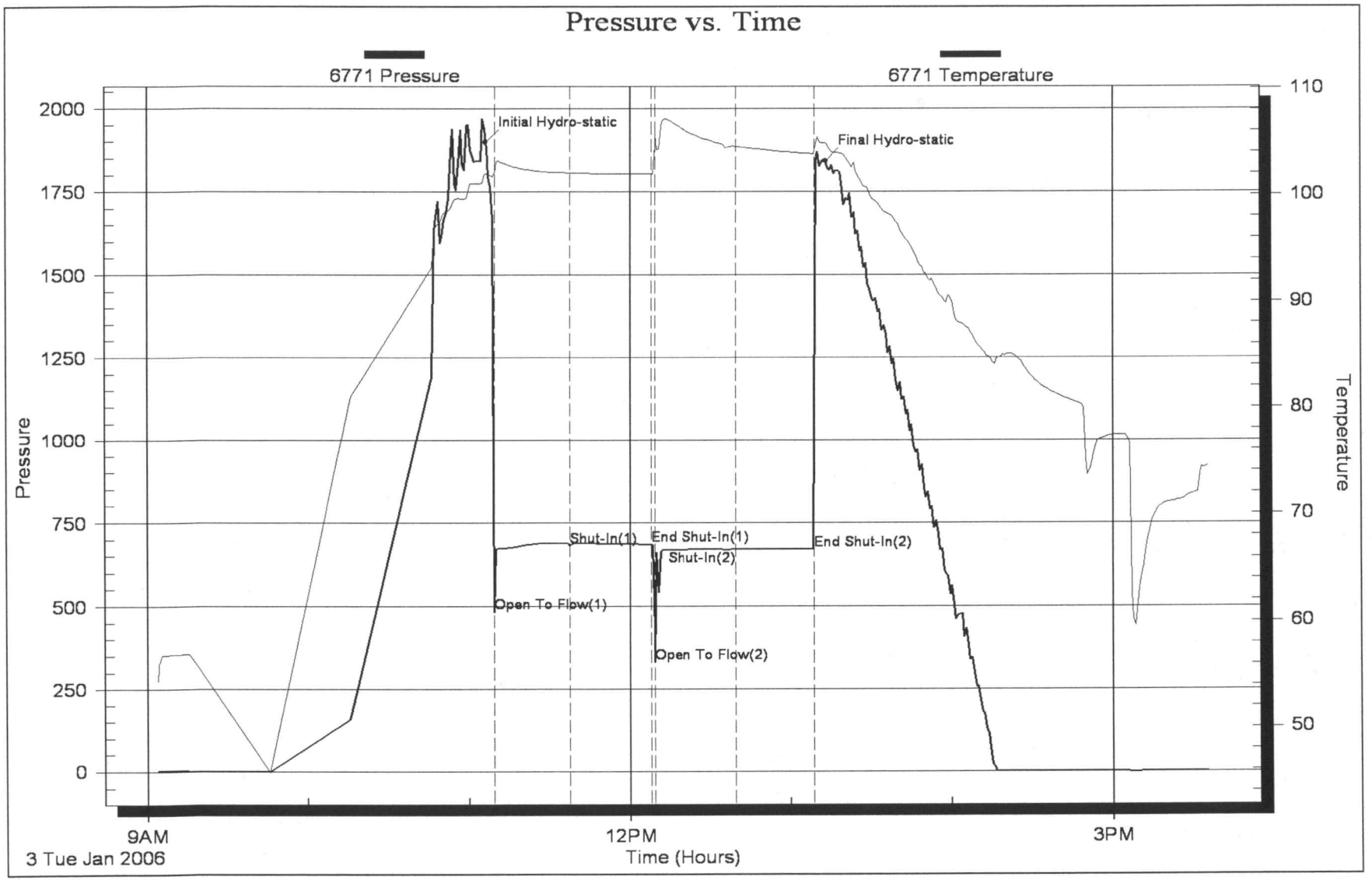
Length ft	Description	Volume bbl
125.00	GCM w/trace of oil >1%o 18%g 82%m	0.615
75.00	Drlg.mud	0.369

Total Length: 200.00 ft Total Volume: 0.984 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments: LCM 6#/bl.


Pressure vs. Time
6771 Pressure
6771 Temperature
Initial Hydro-static
Final Hydro-static
Shut-In(1)
End Shut-In(1)
Shut-In(2)
End Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
2000
1750
1500
1250
1000
750
500
250
0
110
100
90
80
70
60
50
9AM
12PM
3PM
3 Tue Jan 2006
Time (Hours)

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV 8284

№ 22012

9/04

Well Name & No. Keesling #1-10

Test Ticket

Well Name & No. Grand Mesa Operating Co. Test No. 1 Date 1-2-06

Company [redacted] Zone Tested Viola

Address 200 E. First St. Ste 307, Wichita Ks. 67202 Elevation 1772 KB 1763 GL

Co. Rep / Geo. Pat Deviney Cont. Sterling Drlg. #1 Est. Ft. of Pay _____ Por. _____ %

Location: Sec. 10 Twp. 23 S Rge. 10 W Co. Reno State Ks.

No. of Copies 5 Disbtribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3666 - 3775' Initial Str Wt./Lbs. 64,000 Unseated Str Wt/Lbs. 64,000

Anchor Length 109' Wt. Set Lbs. 22,000 Wt. Pulled Loose/Lbs. 72,000

Top Packer Depth 3661' Tool Weight 2400#

Bottom Packer Depth 3666' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 3775' Wt. Pipe Run None Drill Collar Run 248'

Mud Wt. 9.4 LCM — Vis. 48 WL 9.6 cc Drill Pipe Size 4 1/2" Ft. Run 3409'

Blow Description IF: Fair dunasing blow. 5 - 1/2". Lost approx 15 ft. of mud on backside as tool opened. ISI: No blow.
FF: No blow FSI: No blow.

Recovery - Total Feet 135 GIP 0 Ft. in DC 135 Ft. in DP 0

Rec. 135	Feet of Drlg Mud.	%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.	Feet of	%gas	%oil	%water	%mud

BHT 106 °F Gravity N/A °API D @ — °F Corrected Gravity N/A °API

RW N/C @ — °F Chlorides 5000 ppm Recovery _____ Chlorides 5,000 ppm System

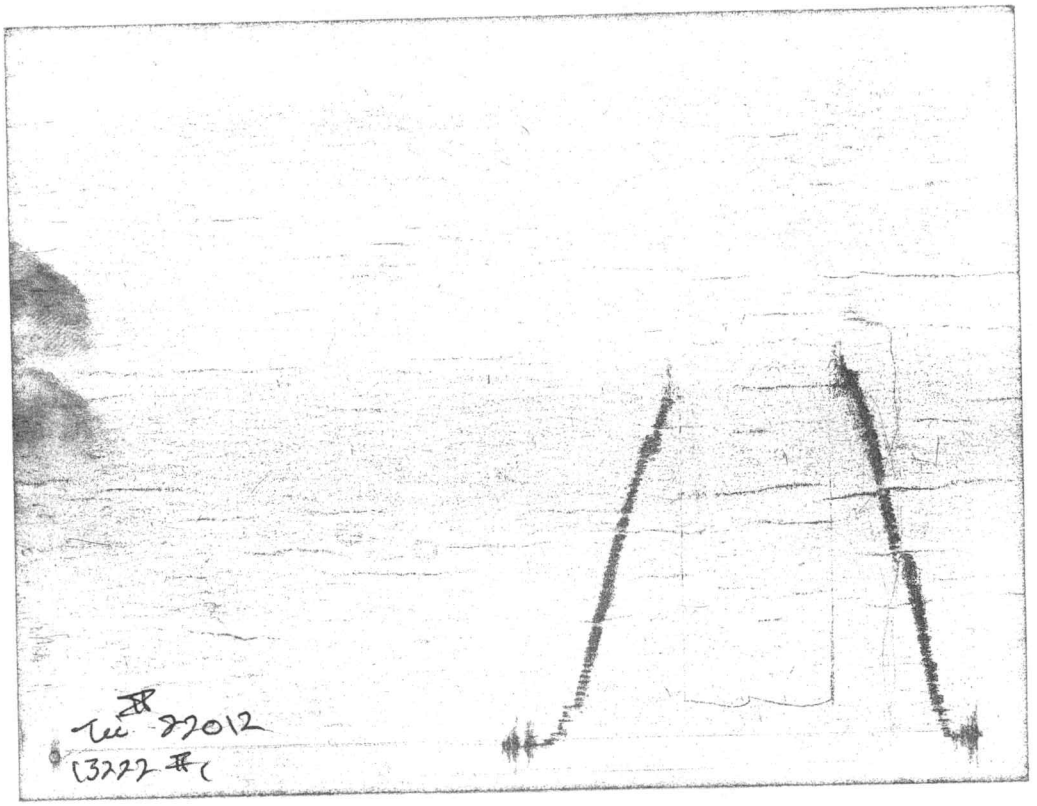
	AK-1	Alpine					
(A) Initital Hydrostatic Mud		1918 PSI	Recorder No.	6771	Test ✓	1000
(B) First Initial Flow Pressure		91 PSI	(depth)	3667'	Jars	
(C) First Final Flow Pressure		108 PSI	Recorder No.	13227	Safety Jt.	
(D) Initial Shut-In Pressure		672 PSI	(depth)	3770'	Circ Sub	
(E) Second Initial Flow Pressure		92 PSI	Recorder No.	—	Sampler	
(F) Second Final Flow Pressure		108 PSI	(depth)	—	Straddle	
(G) Final Shut-In Pressure		153 PSI	**Initial Opening**	30	Ext. Packer	
(Q) Final Hydrostatic Mud		1801 PSI	Initial Shut-In	30	Shale Packer	
			Final Flow	15	Ruined Packer	
			Final Shut-In	30	Mileage ✓	85
			T-On Location	1245	Sub Total:	1085
			T-Started	1353	Std. By	
			T-Open	1543	Other	
			T-Pulled	1733	Total:	1085.00
			T-Out	1955		

Approved By _____

Our Representative Tony Deviney

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9/04

№ 22013

Test Ticket

Well Name & No. Keesling #1-10 Test No. 2 Date 1-3-06

Company Grand Mesa Operating Co. Zone Tested Viola

Address 200 E. First St. Ste. 307, Wichita Ks. 67202 Elevation 1772 KB 1763 GL

Co. Rep / Geo. Pat Deenihan Cont. Sterling Drlg #1 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 10 Twp. 23S Rge. 10W Co. Reno State Ks

No. of Copies 5 Disbtribution Sheet (Y, N) N Turnkey (Y, N) ____ Evaluation (Y, N) ____

Interval Tested 3799 - 3826'
Anchor Length 27'
Top Packer Depth 3794'
Bottom Packer Depth 3799'
Total Depth 3826'
Mud Wt. 9.2 LCM 6#/BL Vis. 57 WL 8.8cc

Initial Str Wt./Lbs. 66,000
Wt. Set Lbs. 20,000
Tool Weight 2100#
Hole Size 7 7/8" ✓
Wt. Pipe Run None
Drill Pipe Size 4 1/2"

Unseated Str Wt/Lbs. 66,000
Wt. Pulled Loose/Lbs. 96,000
Rubber Size 6 3/4" ✓
Drill Collar Run 248'
Ft. Run 3533

Blow Description IF: Weak blow. 3" decreasing to 1 1/2". ISI: No blow.

FF: Fair blow. 5" decreasing to 3". FSI: No blow.
COMMENT: Chart shows that tool plugged during both flows.

Recovery - Total Feet 200 GIP ~ Ft. in DC 200 Ft. in DP 0

Rec.	Feet of	%gas	%oil	%water	%mud
75	Drlg. Mud				
125	GCM w/a trace of oil	18	<1		82

BHT 104 °F Gravity N/A °API D @ ~ °F Corrected Gravity N/A °API

RW N.C. @ ~ °F Chlorides 5,000 ppm Recovery ____ Chlorides 5,000 ppm System

	AK-1	Alpine
(A) Initital Hydrostatic Mud		1898 PSI
(B) First Initial Flow Pressure		482 PSI
(C) First Final Flow Pressure		681 PSI
(D) Initial Shut-In Pressure		685 PSI
(E) Second Initial Flow Pressure		331 PSI
(F) Second Final Flow Pressure		670 PSI
(G) Final Shut-In Pressure		670 PSI
(Q) Final Hydrostatic Mud		1842 PSI

Recorder No.	6771
(depth)	3800'
Recorder No.	13222
(depth)	3821'
Recorder No.	~
(depth)	~
Initial Opening	30
Initial Shut-In	30
Final Flow	30
Final Shut-In	30
T-On Location	0815
T-Started	0909
T-Open	1109
T-Pulled	1309
T-Out	1535

Test	✓ 1000
Jars	✓ 200
Safety Jt.	✓ 50
Circ Sub	
Sampler	
Straddle	
Ext. Packer	
Shale Packer	
Ruined Packer	
Mileage	✓ 85.00
Sub Total:	1335.00
Std. By	
Other	
Total:	1335.00

Approved By Pat

Our Representative Gary Pevoteaux

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.