

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating**

200 E First St Ste 307
Wichita KS 67202

ATTN: BOB

8 18 22 Ness KS

Moore 1-8

Start Date: 2006.09.18 @ 15:52:19

End Date: 2006.09.18 @ 23:02:58

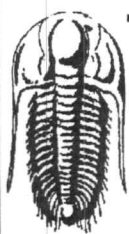
Job Ticket #: 25560

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Grand Mesa Operating

200 E First St Ste 307
Wichita KS 67202

ATTN: BOB

Moore 1-8

8 18 22 Ness KS

Job Ticket: 25560

DST#: 1

Test Start: 2006.09.18 @ 15:52:19

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:47:14

Time Test Ended: 23:02:58

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 25

Interval: **4176.00 ft (KB) To 4247.00 ft (KB) (TVD)**

Total Depth: 4247.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2249.00 ft (KB)

2244.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6667

Inside

Press@RunDepth: 109.13 psig @ 4177.00 ft (KB)

Start Date: 2006.09.18

End Date:

2006.09.18

Capacity: 7000.00 psig

Last Calib.: 2006.09.18

Start Time: 15:52:19

End Time:

23:02:58

Time On Btm: 2006.09.18 @ 17:46:44

Time Off Btm: 2006.09.18 @ 20:50:28

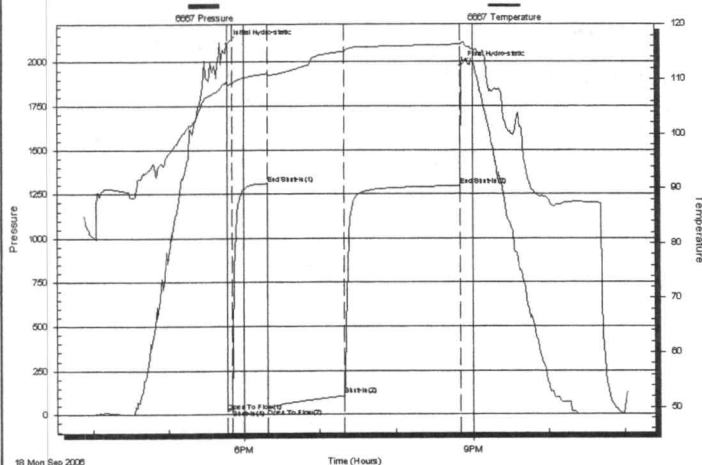
TEST COMMENT: IF 1/4 blow built to 1 1/2 in 3 min.

IS No return

FF BOB in 53 min.

FS No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2104.98	109.44	Initial Hydro-static
1	20.08	108.98	Open To Flow (1)
4	30.48	109.16	Shut-In(1)
32	1309.01	111.00	End Shut-In(1)
33	34.64	110.69	Open To Flow (2)
93	109.13	115.04	Shut-In(2)
184	1295.52	116.33	End Shut-In(2)
184	1978.94	116.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
121.00	OCM 10%O 90%M	0.60
62.00	OCM 40%O 60%M	0.87
5.00	MCO 60%O 40%M	0.07
31.00	Free Oil 100%O	0.43

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

Moore 1-8

200 E First St Ste 307
Wichita KS 67202

8 18 22 Ness KS

Job Ticket: 25560

DST#: 1

ATTN: BOB

Test Start: 2006.09.18 @ 15:52:19

Tool Information

Drill Pipe:	Length: 4048.00 ft	Diameter: 3.80 inches	Volume: 56.78 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	58000.00 lb
		Total Volume:	57.38 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	4176.00 ft			Final	49000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	71.00 ft				
Tool Length:	98.00 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			4150.00	
Shut In Tool	5.00			4155.00	
Hydraulic tool	5.00			4160.00	
Jars	5.00			4165.00	
Safety Joint	2.00			4167.00	
Packer	5.00		Fluid	4172.00	27.00 Bottom Of Top Packer
Packer	4.00			4176.00	
Stubb	1.00			4177.00	
Recorder	0.00	6667	Inside	4177.00	
Perforations	2.00			4179.00	
Change Over Sub	1.00			4180.00	
Drill Pipe	61.00			4241.00	
Change Over Sub	1.00			4242.00	
Recorder	0.00	11058	Inside	4242.00	
Bullnose	5.00			4247.00	71.00 Bottom Packers & Anchor

Total Tool Length: 98.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating

Moore 1-8

200 E First St Ste 307
Wichita KS 67202

8 18 22 Ness KS

Job Ticket: 25560

DST#: 1

ATTN: BOB

Test Start: 2006.09.18 @ 15:52:19

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

44 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.56 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
121.00	OCM 10%O 90%M	0.595
62.00	OCM 40%O 60%M	0.870
5.00	MCO 60%O 40%M	0.070
31.00	Free Oil 100%O	0.435

Total Length: 219.00 ft

Total Volume: 1.970 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

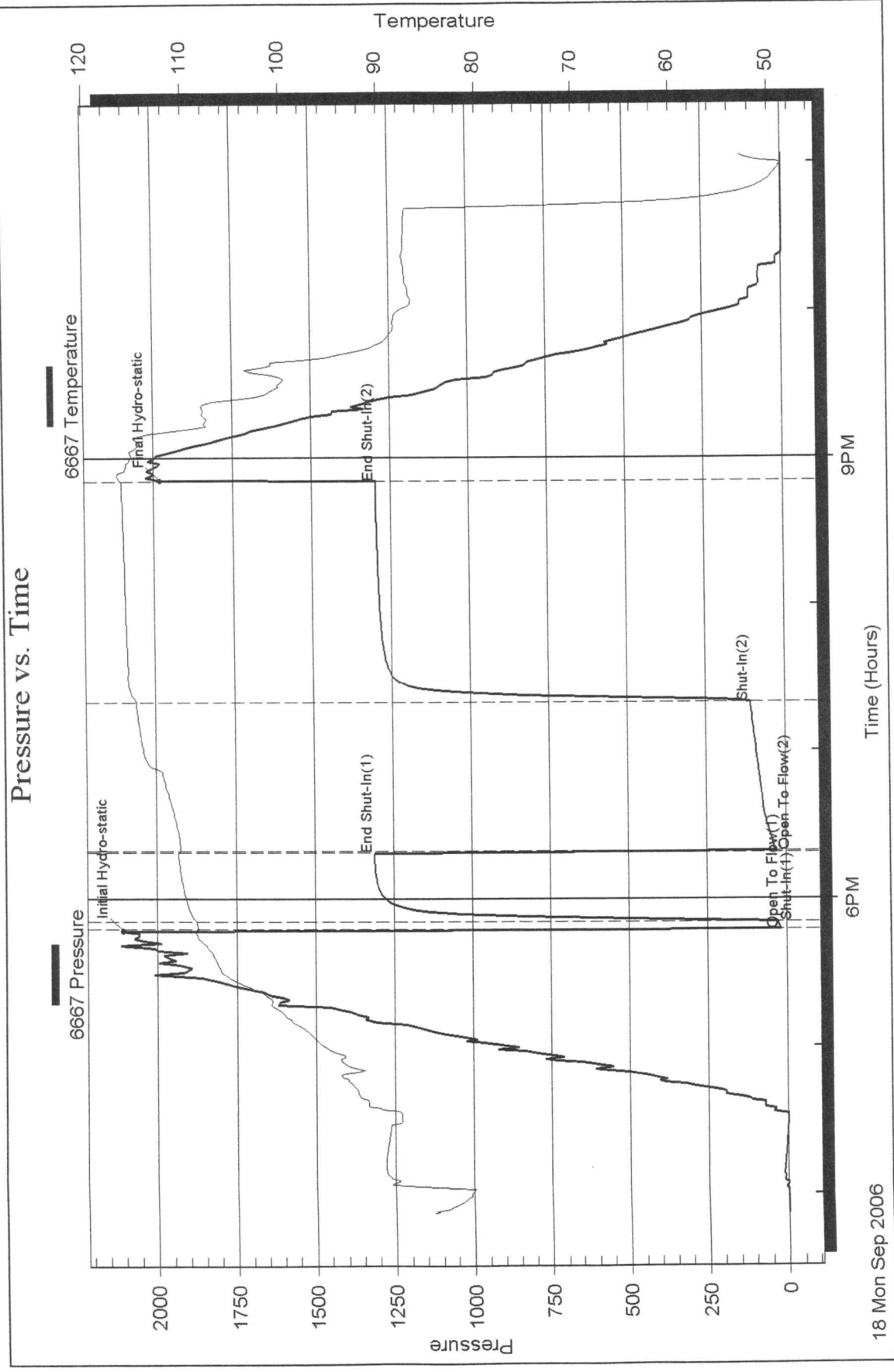
Serial #:

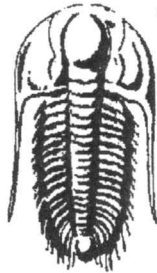
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





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DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating**

200 E First St Ste 307
Wichita KS 67202

ATTN: BOB

8 18 22 Ness KS

Moore 1-8

Start Date: 2006.09.19 @ 05:11:35

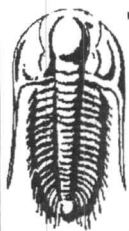
End Date: 2006.09.19 @ 10:20:44

Job Ticket #: 25561 DST #: 2

Trilobite Testing, Inc

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DRILL STEM TEST REPORT

Grand Mesa Operating

200 E First St Ste 307
Wichita KS 67202

ATTN: BOB

Moore 1-8

8 18 22 Ness KS

Job Ticket: 25561

DST#: 2

Test Start: 2006.09.19 @ 05:11:35

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:12:15

Time Test Ended: 10:20:44

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 25

Interval: **4176.00 ft (KB) To 4259.00 ft (KB) (TVD)**

Total Depth: 4259.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2249.00 ft (KB)

2244.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6667 Inside

Press@RunDepth: 1289.52 psig @ 4177.00 ft (KB)

Start Date: 2006.09.19

End Date: 2006.09.19

Capacity: 7000.00 psig

Last Calib.: 2006.09.19

Start Time: 05:11:35

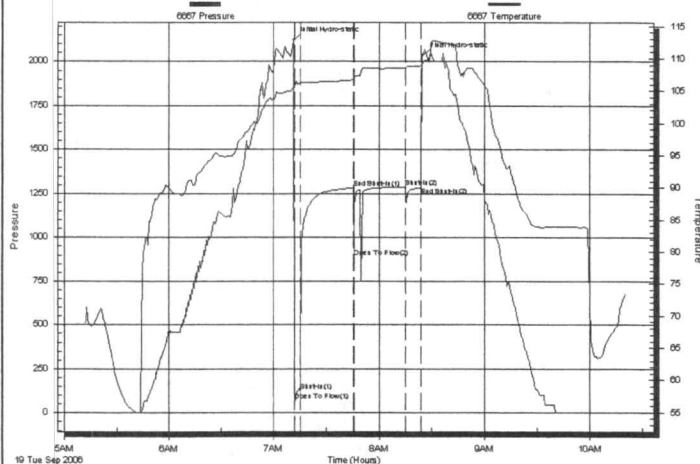
End Time: 10:20:44

Time On Btm: 2006.09.19 @ 07:11:45

Time Off Btm: 2006.09.19 @ 08:24:30

TEST COMMENT: IF 1/4 blow built to 10 in 3 min.
IS No return
FF Surface blow Flushed tool 2 blow died in 20 min.
FS No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2118.19	105.50	Initial Hydro-static
1	69.36	105.48	Open To Flow (1)
4	125.07	105.98	Shut-In(1)
34	1282.34	106.66	End Shut-In(1)
35	885.30	106.77	Open To Flow (2)
63	1289.52	108.53	Shut-In(2)
73	1284.93	108.90	End Shut-In(2)
73	2031.87	109.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
188.00	100%M	1.53

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating

Moore 1-8

200 E First St Ste 307
Wichita KS 67202

8 18 22 Ness KS

Job Ticket: 25561

DST#: 2

ATTN: BOB

Test Start: 2006.09.19 @ 05:11:35

Tool Information

Drill Pipe:	Length:	4048.00 ft	Diameter:	3.80 inches	Volume:	56.78 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:	121.00 ft	Diameter:	2.25 inches	Volume:	0.60 bbl	Weight to Pull Loose:	70000.00 lb
					Total Volume:	57.38 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		20.00 ft					String Weight: Initial	48000.00 lb
Depth to Top Packer:		4176.00 ft					Final	48000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		82.00 ft						
Tool Length:		109.00 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			4150.00	
Shut In Tool	5.00			4155.00	
Hydraulic tool	5.00			4160.00	
Jars	5.00			4165.00	
Safety Joint	2.00			4167.00	
Packer	5.00		Fluid	4172.00	27.00 Bottom Of Top Packer
Packer	4.00			4176.00	
Stubb	1.00			4177.00	
Recorder	0.00	6667	Inside	4177.00	
Perforations	12.00			4189.00	
Change Over Sub	1.00			4190.00	
Drill Pipe	62.00			4252.00	
Change Over Sub	1.00			4253.00	
Recorder	0.00	11058	Inside	4253.00	
Bullnose	5.00			4258.00	82.00 Bottom Packers & Anchor

Total Tool Length: 109.00



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FLUID SUMMARY

Grand Mesa Operating

Moore 1-8

200 E First St Ste 307
Wichita KS 67202

8 18 22 Ness KS

Job Ticket: 25561

DST#: 2

ATTN: BOB

Test Start: 2006.09.19 @ 05:11:35

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:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.55 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
188.00	100%M	1.535

Total Length: 188.00 ft

Total Volume: 1.535 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

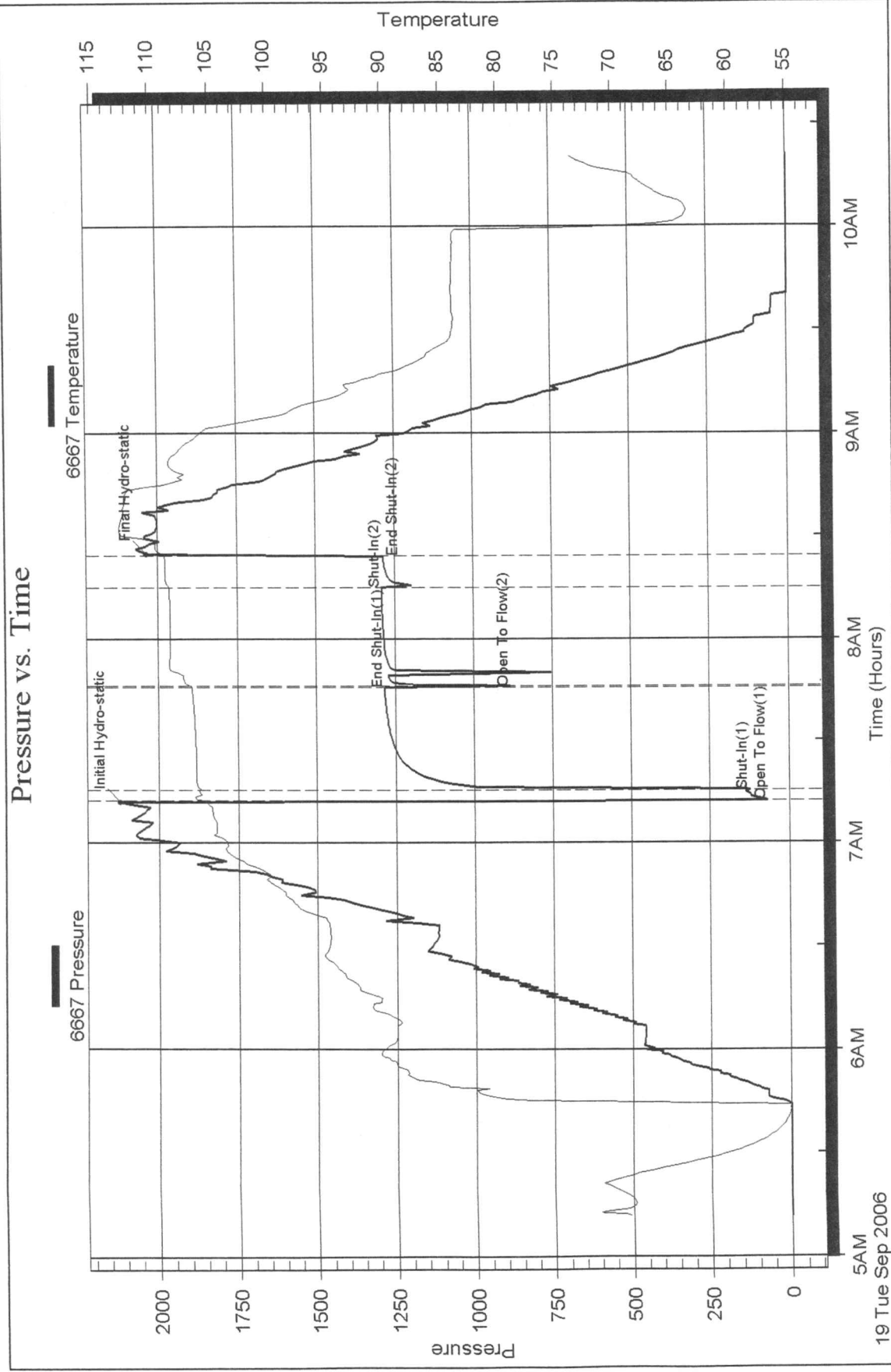
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating**

200 E First St Ste 307
Wichita KS 67202

ATTN: BOB

8 18 22 Ness KS

Moore 1-8

Start Date: 2006.09.19 @ 11:23:15

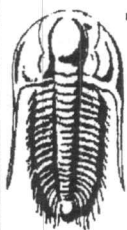
End Date: 2006.09.19 @ 18:45:54

Job Ticket #: 25562 DST #: 3

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



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DRILL STEM TEST REPORT

Grand Mesa Operating

200 E First St Ste 307
Wichita KS 67202

ATTN: BOB

Moore 1-8

8 18 22 Ness KS

Job Ticket: 25562

DST#: 3

Test Start: 2006.09.19 @ 11:23:15

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:56:40

Time Test Ended: 18:45:54

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 25

Interval: **4175.00 ft (KB) To 4259.00 ft (KB) (TVD)**

Total Depth: 4259.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2249.00 ft (KB)

2244.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6667 Inside

Press@RunDepth: 428.26 psig @ 4176.00 ft (KB)

Start Date: 2006.09.19

End Date:

2006.09.19

Capacity: 7000.00 psig

Last Calib.: 2006.09.19

Start Time: 11:23:15

End Time:

18:45:54

Time On Btm: 2006.09.19 @ 12:56:10

Time Off Btm: 2006.09.19 @ 15:41:54

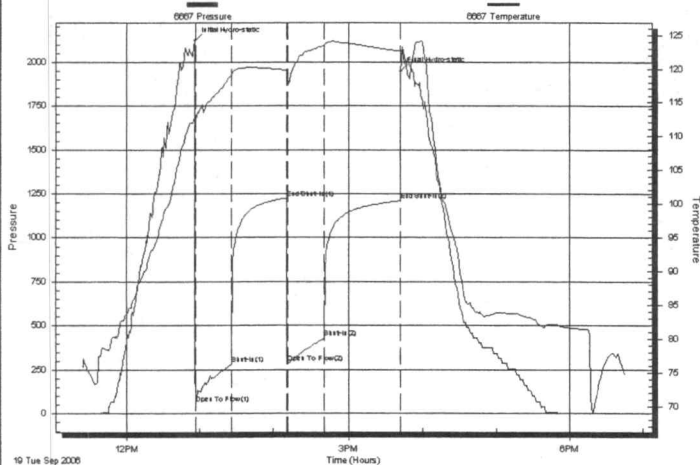
TEST COMMENT: IF BOB in 4 min.

IS No return

FF BOB in 4 min.

FS Surface blow built to 1 in 60 min.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2120.36	112.57	Initial Hydro-static
1	58.09	112.39	Open To Flow (1)
31	280.11	119.09	Shut-In(1)
75	1225.64	119.80	End Shut-In(1)
76	288.37	118.69	Open To Flow (2)
105	428.26	123.46	Shut-In(2)
166	1210.56	122.57	End Shut-In(2)
166	1948.23	122.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
121.00	OCM 40%O 60%M	0.60
558.00	MCOG 30%G 50%O 20%M	7.83
186.00	MCOG 20%G 40%O 40%M	2.61
186.00	GOCM 30%G 10%O 60%M	2.61
124.00	MCOG 20%G 60%O 20%M	1.74

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating

Moore 1-8

200 E First St Ste 307
Wichita KS 67202

8 18 22 Ness KS

Job Ticket: 25562

DST#: 3

ATTN: BOB

Test Start: 2006.09.19 @ 11:23:15

Tool Information

Drill Pipe:	Length: 4048.00 ft	Diameter: 3.80 inches	Volume: 56.78 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	75000.00 lb
		Total Volume:	57.38 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	4175.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	84.00 ft				
Tool Length:	111.00 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			4149.00	
Shut In Tool	5.00			4154.00	
Hydraulic tool	5.00			4159.00	
Jars	5.00			4164.00	
Safety Joint	2.00			4166.00	
Packer	5.00		Fluid	4171.00	27.00 Bottom Of Top Packer
Packer	4.00			4175.00	
Stubb	1.00			4176.00	
Recorder	0.00	6667	Inside	4176.00	
Perforations	14.00			4190.00	
Change Over Sub	1.00			4191.00	
Drill Pipe	62.00			4253.00	
Change Over Sub	1.00			4254.00	
Recorder	0.00	11058	Inside	4254.00	
Bullnose	5.00			4259.00	84.00 Bottom Packers & Anchor
Total Tool Length:		111.00			



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DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating

Moore 1-8

200 E First St Ste 307
Wichita KS 67202

8 18 22 Ness KS

ATTN: BOB

Job Ticket: 25562

DST#: 3

Test Start: 2006.09.19 @ 11:23:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 9.58 in³

Resistivity: 0.00 ohm.m

Salinity: 5000.00 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:

44 deg API

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
121.00	OCM 40%O 60%M	0.595
558.00	MCOG 30%G 50%O 20%M	7.827
186.00	MCOG 20%G 40%O 40%M	2.609
186.00	GOCM 30%G 10%O 60%M	2.609
124.00	MCOG 20%G 60%O 20%M	1.739

Total Length: 1175.00 ft

Total Volume: 15.379 bbl

Num Fluid Samples: 0

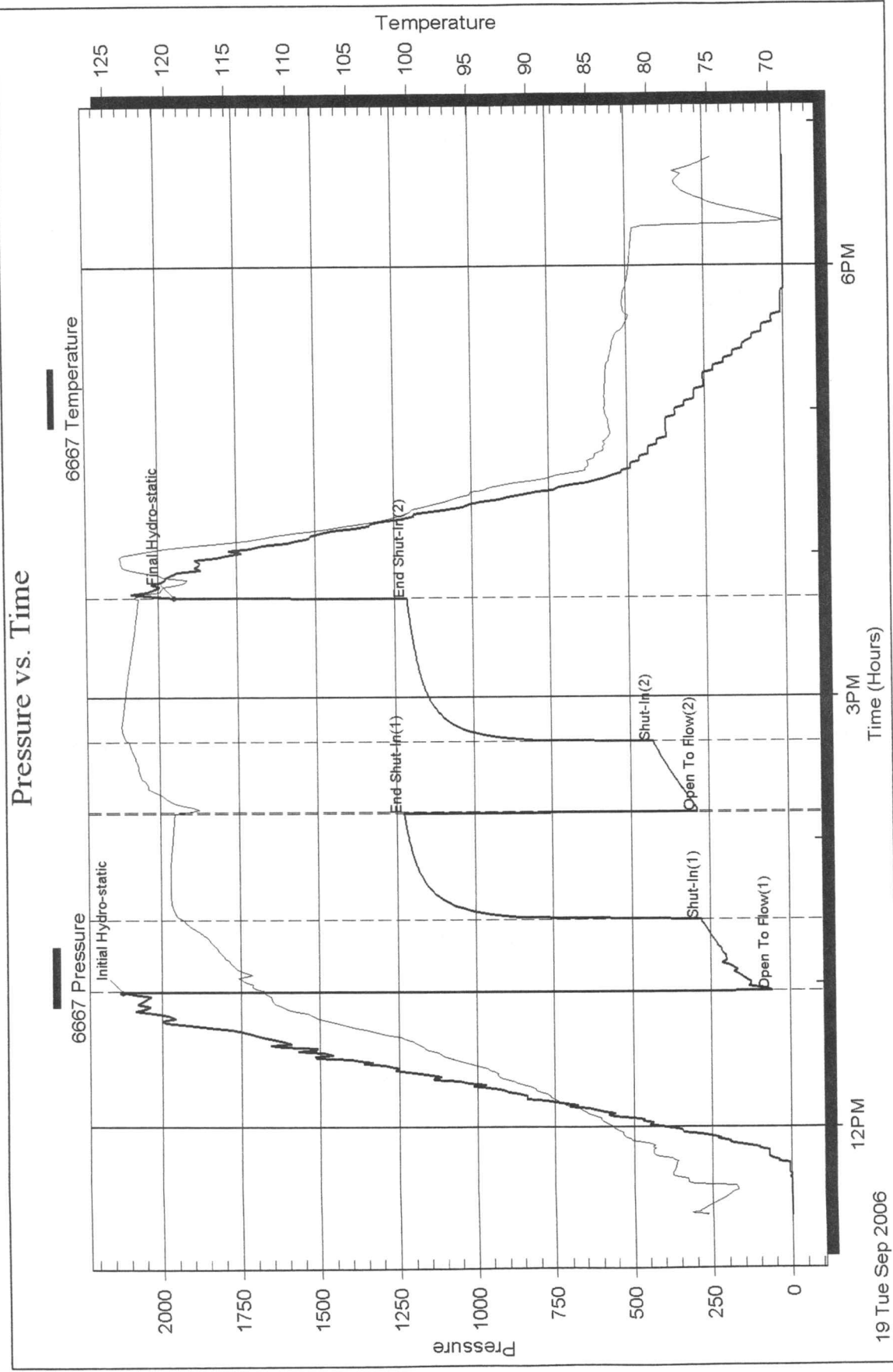
Num Gas Bombs: 0

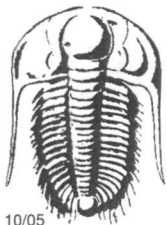
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25560

9274

Test Ticket

Well Name & No. Moore 1-8 Test No. 1 Date 9-18-06
 Company Grand Mesa Operating Zone Tested Cherokee
 Address 200 E. First St. Ste 308 Wichita, KS 67202 Elevation 2249 KB 2244 GL
 Co. Rep / Geo. Bob Peterson Rig WW #2
 Location: Sec. 8 Twp. 18 Rge. 22 Co. Ness State KS
 Comment: _____ Release date / time: _____

Interval Tested 4176 4247 Initial Str Wt./Lbs. 48000 Unseated Str Wt./Lbs. 49,000
 Anchor Length 71 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 58,000
 Top Packer Depth 4171 Tool Weight 1500
 Bottom Packer Depth 4176 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4247 Wt. Pipe Run — Drill Collar Run 121
 Mud Wt. 9.2 LCM 0 Vis. 48 WL 9.6 Drill Pipe Size 4 1/2 x H Ft. Run 4098
 Blow Description IF: 1/4 blow built to 1 1/2 in 3 min.

IS: No return,
FF: BoB in 53 min.

FS: No return,

Recovery - Total Feet 219 GIP 62 Ft. in DC 121 Ft. in DP 98
 Rec. 31 Feet of Free oil %gas 100%oil %water %mud
 Rec. 5 Feet of MCO %gas 60%oil %water 40%mud
 Rec. 62 Feet of OCM %gas 40%oil %water 60%mud
 Rec. 121 Feet of OCM %gas 16 %oil %water 90%mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 116 °F Gravity 44 °API D @ 60 °F Corrected Gravity 44 °API
 RW — @ — °F Chlorides — ppm Recovery — Chlorides 3300 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	2144	PSI	Recorder No.	6667	Test x	1200.00
(B) First Initial Flow Pressure			20	PSI	(depth)	4177	Jars x	250.00
(C) First Final Flow Pressure			30	PSI	Recorder No.	11658	Safety Jt. x	75.00
(D) Initial Shut-In Pressure			1309	PSI	(depth)	4246	Circ Sub x	N/C
(E) Second Initial Flow Pressure			34	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure			109	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure			1295	PSI	Initial Opening	3	Ext. Packer	
(Q) Final Hydrostatic Mud			2038	PSI	Initial Shut-In	30	Shale Packer	

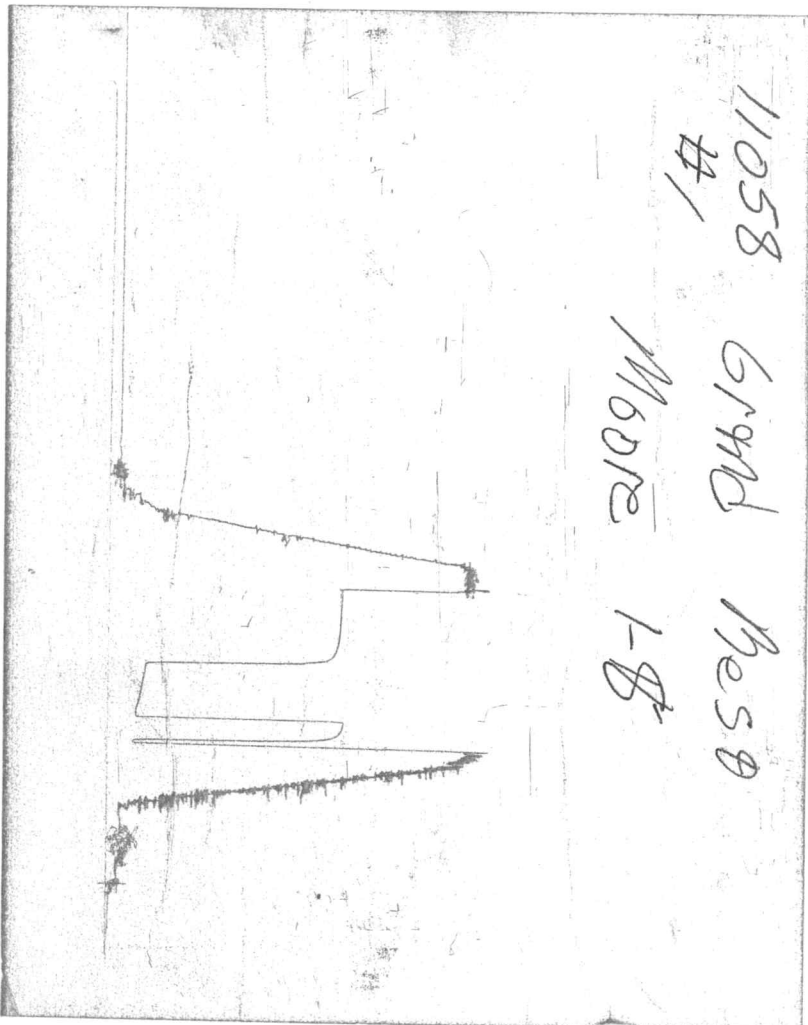
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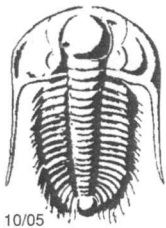
Approved By RJH
 Our Representative [Signature]

Final Flow 60
 Final Shut-In 90
 T-On Location 15:00
 T-Started 15:52
 T-Open 17:47
 T-Pulled 20:50
 T-Out 23:05
 Ruined Packer _____
 Mileage x136-170.00
 Sub Total: _____
 Std. By _____
 Acc. Chg: 1695.00
 Other: _____
 Total: _____

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25561

Test Ticket

Well Name & No. <u>Moore 1-8</u>	Test No. <u>2</u>	Date <u>9-19-06</u>
Company <u>Grand Mesa operating</u>	Zone Tested <u>Cherokee</u>	
Address <u>200 E. 1st St. Ste. 307 Wichita, KS 67202</u>	Elevation <u>2249</u> KB <u>2244</u> GL	
Co. Rep / Geo. <u>Bob Peterson</u>	Rig <u>NW #2</u>	
Location: Sec. <u>8</u> Twp. <u>18</u> Rge. <u>22</u>	Co. <u>Ness</u> State <u>KS</u>	
Comment: _____		Release date / time: _____

Interval Tested <u>4176</u>	<u>4259</u>	Initial Str Wt./Lbs. <u>48,000</u>	Unseated Str Wt./Lbs. <u>48,000</u>
Anchor Length _____	<u>83</u>	Wt. Set Lbs. <u>25000</u>	Wt. Pulled Loose/Lbs. <u>70,000</u>
Top Packer Depth _____	<u>4171</u>	Tool Weight <u>1500</u>	
Bottom Packer Depth _____	<u>4176</u>	Hole Size 7 7/8" <u>✓</u>	Rubber Size 6 3/4" <u>✓</u>
Total Depth _____	<u>4259</u>	Wt. Pipe Run _____	Drill Collar Run <u>121</u>
Mud Wt. <u>9.2</u> LCM <u>0</u> Vis. <u>48</u> WL <u>9.6</u>		Drill Pipe Size <u>4 1/2 X H</u>	Ft. Run <u>4048</u>
Blow Description <u>IFI 14 blow built to 10 in 3 min.</u>			

ISI NO return,
FFI Surface blow, Flushed tool 2 blow died in 20 min.
FSI NO return,

Recovery - Total Feet <u>188</u>	GIP <u>—</u>	Ft. in DC <u>121</u>	Ft. in DP <u>67</u>
Rec. <u>188</u>	Feet of <u>mud</u>	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
BHT <u>108</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____
RW <u>—</u>	@ <u>—</u>	°F Chlorides _____	ppm Recovery _____
		Chlorides <u>3300</u>	ppm System _____

(A) Initial Hydrostatic Mud	AK-1 <u>2131</u> PSI	Alpine	Recorder No. <u>6667</u>	Test <u>1200.00</u>
(B) First Initial Flow Pressure	<u>69</u> PSI		(depth) <u>4177</u>	Jars <u>250.00</u>
(C) First Final Flow Pressure	<u>125</u> PSI		Recorder No. <u>11058</u>	Safety Jt. <u>75.00</u>
(D) Initial Shut-In Pressure	<u>1282</u> PSI		(depth) <u>4258</u>	Circ Sub <u>N/C</u>
(E) Second Initial Flow Pressure	<u>885</u> PSI		Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>1289</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1284</u> PSI	Initial Opening <u>3</u>		Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2073</u> PSI	Initial Shut-In <u>30</u>		Shale Packer _____

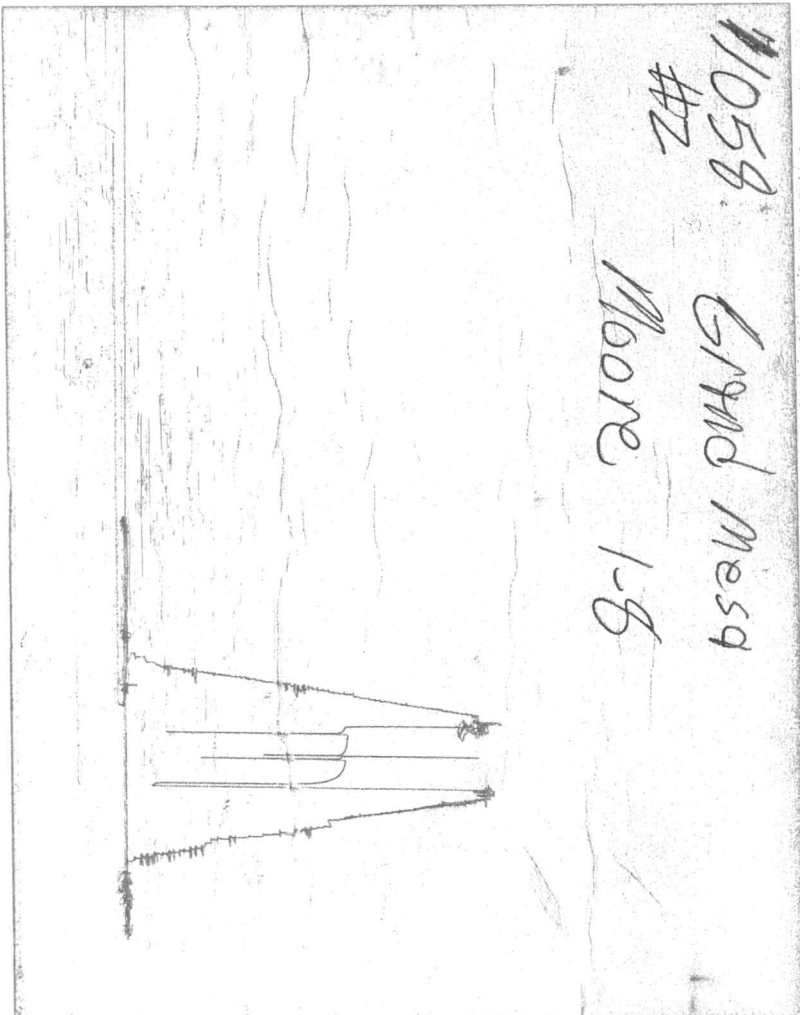
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

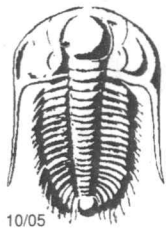
Approved By [Signature]
 Our Representative [Signature]

Final Flow <u>30</u>	Recorder No. <u>6667</u>	Test <u>1200.00</u>
Final Shut-In <u>10</u>	(depth) <u>4177</u>	Jars <u>250.00</u>
T-On Location <u>4:45</u>	Recorder No. <u>11058</u>	Safety Jt. <u>75.00</u>
T-Started <u>5:11</u>	(depth) <u>4258</u>	Circ Sub <u>N/C</u>
T-Open <u>7:11</u>	Recorder No. _____	Sampler _____
T-Pulled <u>8:24</u>	(depth) _____	Straddle _____
T-Out <u>10:25</u>	Initial Opening <u>3</u>	Ext. Packer _____
	Initial Shut-In <u>30</u>	Shale Packer _____
	Final Flow <u>30</u>	Ruined Packer _____
	Final Shut-In <u>10</u>	Mileage <u>136-190.00</u>
	T-On Location <u>4:45</u>	Sub Total: _____
	T-Started <u>5:11</u>	Std. By <u>1695.00</u>
	T-Open <u>7:11</u>	Acc. Chg: _____
	T-Pulled <u>8:24</u>	Other: _____
	T-Out <u>10:25</u>	Total: _____

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25562

Test Ticket

Well Name & No. <u>Moore 1-8</u>	Test No. <u>3</u>	Date <u>9-19-06</u>
Company <u>Grand Mesa operating</u>	Zone Tested <u>Cherokee</u>	
Address <u>Bob Peterson</u>	Elevation <u>2249</u>	KB <u>2244</u> GL
Co. Rep / Geo. <u>Bob Peterson</u>	Rig <u>WW#2</u>	
Location: Sec. <u>8</u> Twp. <u>28</u> Rge. <u>22</u>	Co. <u>Ness</u>	State <u>KS</u>
Comment: _____		Release date / time: _____

Interval Tested <u>4175</u>	<u>4259</u>	Initial Str Wt./Lbs. <u>48,000</u>	Unseated Str Wt/Lbs. <u>52,000</u>
Anchor Length _____	<u>84</u>	Wt. Set Lbs. <u>25000</u>	Wt. Pulled Loose/Lbs. <u>75,000</u>
Top Packer Depth _____	<u>4170</u>	Tool Weight <u>1500</u>	
Bottom Packer Depth _____	<u>4175</u>	Hole Size 7 7/8" <u>✓</u>	Rubber Size 6 3/4" <u>✓</u>
Total Depth _____	<u>4259</u>	Wt. Pipe Run _____	Drill Collar Run <u>121</u>
Mud Wt. <u>9.3</u> LCM <u>✓</u> Vis. <u>45</u> WL <u>9.6</u>		Drill Pipe Size <u>4 1/2 X H</u>	Ft. Run <u>4098</u>

Blow Description IF: Bob in 4 min.

IS: No return.

FF: Bob in 4 min.

FS: Surface blow built to 1 in 60 min.

Recovery - Total Feet <u>1175</u>	GIP <u>310</u>	Ft. in DC <u>121</u>	Ft. in DP <u>1054</u>
Rec. <u>124</u>	Feet of <u>mc90</u>	20 %gas 60 %oil	%water 20 %mud
Rec. <u>186</u>	Feet of <u>90cm</u>	30 %gas 10 %oil	%water 60 %mud
Rec. <u>186</u>	Feet of <u>mc90</u>	20 %gas 40 %oil	%water 40 %mud
Rec. <u>558</u>	Feet of <u>mc90</u>	30 %gas 50 %oil	%water 20 %mud
Rec. <u>121</u>	Feet of <u>0cm</u>	%gas 40 %oil	%water 60 %mud
BHT <u>122</u>	*F Gravity <u>43</u>	*API D @ <u>70</u>	*F Corrected Gravity <u>44</u> *API
RW _____ @ _____	*F Chlorides _____	ppm Recovery _____	Chlorides <u>5000</u> ppm System

AK-1

Alpine

(A) Initial Hydrostatic Mud <u>2144</u> PSI	Recorder No. <u>6667</u>	Test <u>1200.00</u>
(B) First Initial Flow Pressure <u>58</u> PSI	(depth) <u>4176</u>	Jars <u>250.00</u>
(C) First Final Flow Pressure <u>280</u> PSI	Recorder No. <u>11058</u>	Safety Jt. <u>75.00</u>
(D) Initial Shut-In Pressure <u>1225</u> PSI	(depth) <u>4258</u>	Circ Sub <u>X N/C</u>
(E) Second Initial Flow Pressure <u>288</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure <u>428</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure <u>1210</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud <u>2085</u> PSI	Initial Shut-In <u>45</u>	Shale Packer _____

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Approved By [Signature]

Our Representative [Signature]

Final Flow <u>30</u>	
Final Shut-In <u>60</u>	
T-On Location <u>4:45</u>	
T-Started <u>11:23</u>	
T-Open <u>12:57</u>	
T-Pulled <u>15:42</u>	
T-Out <u>19:00</u>	

Mileage <u>—</u>
Sub Total: <u>1525</u>
Std. By _____
Acc. Chg: _____
Other: _____
Total: _____

CHART PAGE

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

11058 Grand Mesa
#3 Moore 1-8

