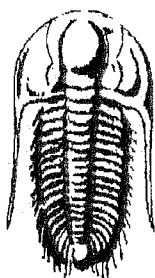


15-135-24705

36-18s-22w

AND



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating Co**

1700 N Waterfront Pkwy Bldg 600
Wichita KS 67206-5514

ATTN: Ronald N Sinclair

36 18 22W Ness KS

Foos # 1-36

Start Date: 2007.09.26 @ 00:00:00

End Date: 2007.09.26 @ 00:00:00

Job Ticket #: 29021 DST #: 1

CONFIDENTIAL
OCT 24 2007
KCC

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Grand Mesa Operating Co

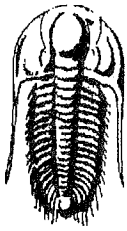
Foos # 1-36

36 18 22W Ness KS

DST # 1

Miss.

2007.09.26



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Grand Mesa Operating Co

1700 N Waterfront Pkwy Bldg 600
Wichita KS 67206-5514

ATTN: Ronald N Sinclair

Foos # 1-36

36 18 22W Ness KS

Job Ticket: 29021

DST#: 1

Test Start: 2007.09.26 @ 00:00:00

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: **4213.00 ft (KB) To 4273.00 ft (KB) (TVD)**

Total Depth: 4273.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2143.00 ft (KB)

2138.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6669

Inside

Press@RunDepth: psig @ 4218.00 ft (KB)

Start Date: 2007.09.26

End Date:

2007.09.26

Capacity:

7000.00 psig

Start Time: 01:56:31

End Time:

07:32:25

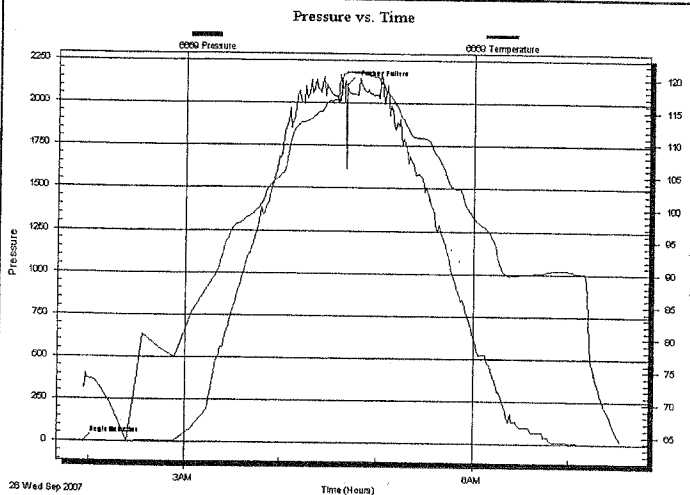
Last Calib.:

2007.09.27

Time On Btm:

Time Off Btm:

TEST COMMENT: Packer failure



PRESSURE SUMMARY

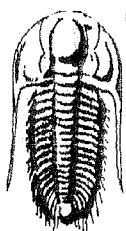
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	-1.32	72.44	Begin Selection
165	2107.16	121.00	--Packer Failure

Recovery

Length (ft)	Description	Volume (bbl)

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

Foos # 1-36

1700 N Waterfront Pkwy Bldg 600
Wichita KS 67206-5514

36 18 22W Ness KS

Job Ticket: 29021

DST#: 1

ATTN: Ronald N Sinclair

Test Start: 2007.09.26 @ 00:00:00

Tool Information

Drill Pipe:	Length: 4094.00 ft	Diameter: 3.80 inches	Volume: 57.43 bbl	Tool Weight:	2600.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	lb
		Total Volume:	58.03 bbl	Tool Chased	ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	lb
Depth to Top Packer:	4213.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	60.00 ft				
Tool Length:	88.00 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			4186.00	
Shut In Tool	5.00			4191.00	
Hydraulic tool	5.00			4196.00	
Jars	5.00			4201.00	
Safety Joint	3.00			4204.00	
Packer	4.00			4208.00	28.00 Bottom Of Top Packer
Packer	5.00			4213.00	
Stubb	1.00			4214.00	
Perforations	3.00			4217.00	
Change Over Sub	1.00			4218.00	
Recorder	0.00	6669	Inside	4218.00	
Blank Spacing	31.00			4249.00	
Change Over Sub	1.00			4250.00	
Recorder	0.00	11084	Outside	4250.00	
Perforations	20.00			4270.00	
Bullnose	3.00			4273.00	60.00 Bottom Packers & Anchor
Total Tool Length:		88.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Co

Foos # 1-36

1700 N Waterfront Pkwy Bldg 600
Wichita KS 67206-5514

36 18 22W Ness KS

Job Ticket: 29021

DST#: 1

ATTN: Ronald N Sinclair

Test Start: 2007.09.26 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 75.00 sec/qt

Water Loss: 11.58 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length:

ft

Total Volume:

bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

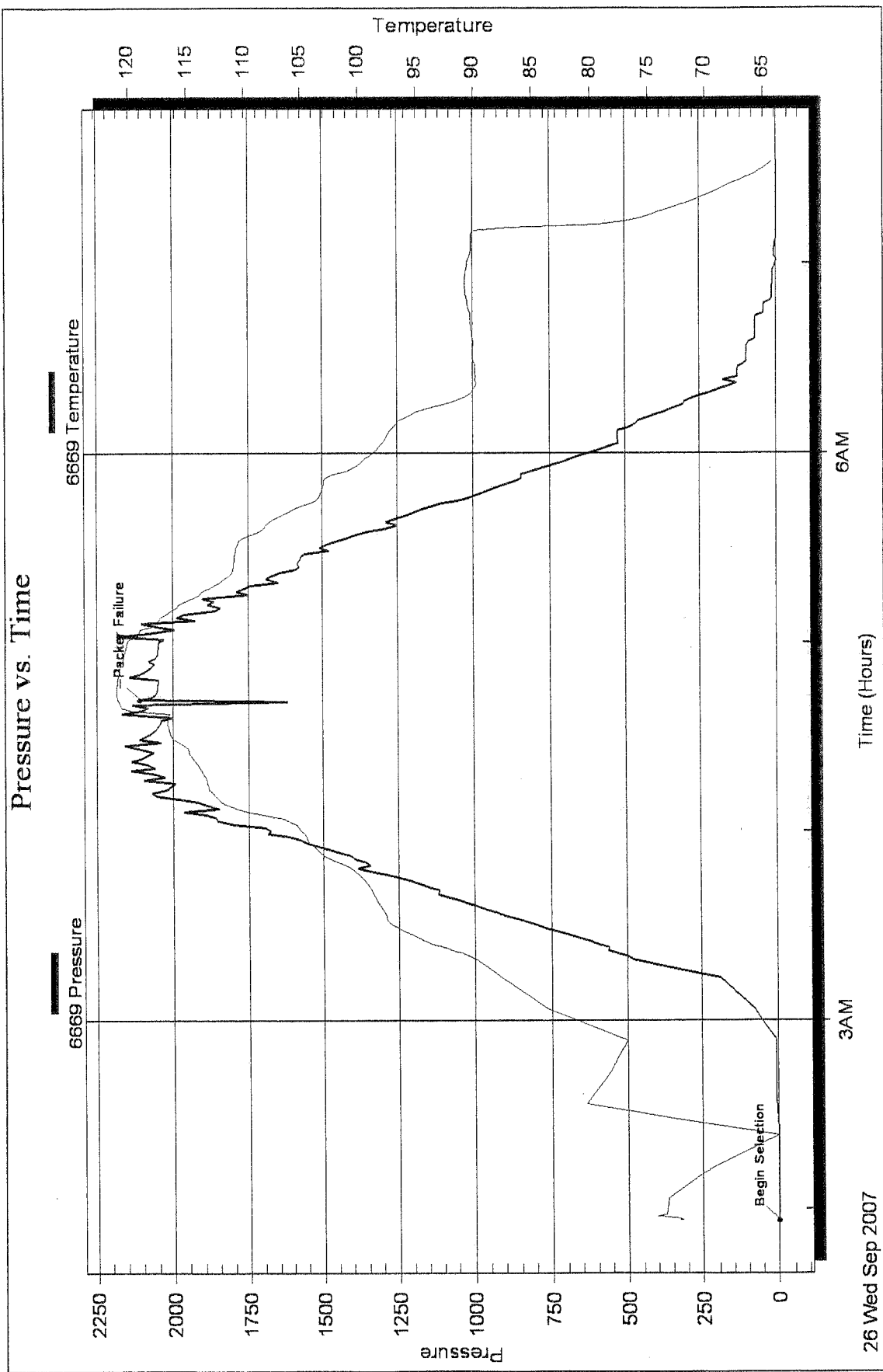
Serial #:

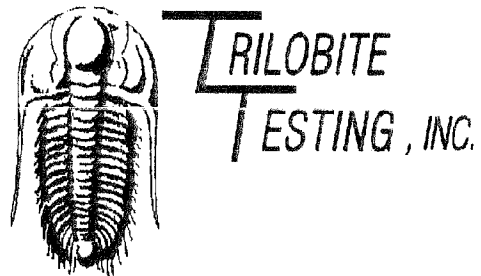
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating Co**

1700 N Waterfront Pkwy Bldg 600
Wichita KS 67206-5514

ATTN: Ronald N Sinclair

36 18 22W Ness KS

Foos # 1-36

Start Date: 2007.09.26 @ 01:56:26

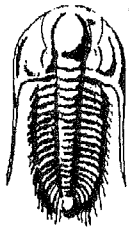
End Date: 2007.09.26 @ 17:18:26

Job Ticket #: 29022 DST #: 2

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 Co

Foos # 1-36

1700 N Waterfront Pkwy Bldg 600
Wichita KS 67206-5514

36 18 22W Ness KS

Job Ticket: 29022

DST#: 2

ATTN: Ronald N Sinclair

Test Start: 2007.09.26 @ 01:56:26

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:19:56

Time Test Ended: 17:18:26

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: 4206.00 ft (KB) To 4273.00 ft (KB) (TVD)

Total Depth: 4273.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2143.00 ft (KB)

2138.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6669

Inside

Press@RunDepth: 924.15 psig @ 4218.00 ft (KB)

Start Date: 2007.09.26

End Date:

2007.09.26

Capacity: 7000.00 psig

Last Calib.: 2007.09.26

Start Time: 07:33:25

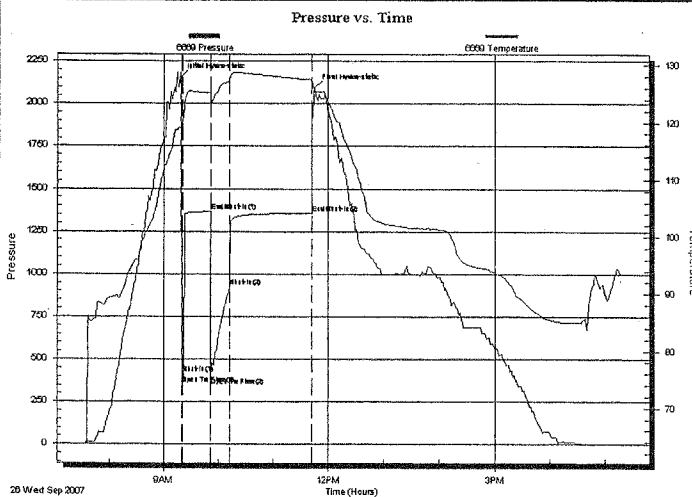
End Time:

17:18:25

Time On Btm: 2007.09.26 @ 09:18:56

Time Off Btm: 2007.09.26 @ 11:44:56

TEST COMMENT: IF Strong BOB in 1-min.
ISI Weak built to 2 "
FF Strong BOB in 30 Sec.
FSI Dead



PRESSURE SUMMARY

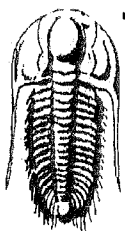
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2155.74	119.51	Initial Hydro-static
1	352.34	119.25	Open To Flow (1)
2	414.50	120.61	Shut-In (1)
33	1364.60	125.11	End Shut-In (1)
33	390.04	124.13	Open To Flow (2)
54	924.15	127.30	Shut-In (2)
143	1357.71	127.40	End Shut-In (2)
146	2090.73	125.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
123.00	GMCWO 20%G 25%M 25%W 30%Oil	0.60
1877.00	GO 10%G 90%O	26.33
312.00	GMO 5%G 45%M 50%O	4.38
0.00	250 GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Co

Foos # 1-36

1700 N Waterfront Pkwy Bldg 600
Wichita KS 67206-5514

36 18 22W Ness KS

Job Ticket: 29022

DST#: 2

ATTN: Ronald N Sinclair

Test Start: 2007.09.26 @ 01:56:26

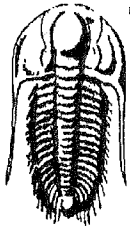
Tool Information

Drill Pipe:	Length: 4065.00 ft	Diameter: 3.80 inches	Volume: 57.02 bbl	Tool Weight:	2700.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	75000.00 lb
		Total Volume:	57.62 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	4206.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	67.00 ft				
Tool Length:	95.00 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			4179.00	
Shut In Tool	5.00			4184.00	
Hydraulic tool	5.00			4189.00	
Jars	5.00			4194.00	
Safety Joint	3.00			4197.00	
Packer	4.00			4201.00	28.00 Bottom Of Top Packer
Packer	5.00			4206.00	
Stubb	1.00			4207.00	
Perforations	10.00			4217.00	
Change Over Sub	1.00			4218.00	
Recorder	0.00	6669	Inside	4218.00	
Blank Spacing	31.00			4249.00	
Change Over Sub	1.00			4250.00	
Recorder	0.00	11084	Outside	4250.00	
Perforations	20.00			4270.00	
Bullnose	3.00			4273.00	67.00 Bottom Packers & Anchor
Total Tool Length:	95.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Co

Foos # 1-36

1700 N Waterfront Pkwy Bldg 600
Wichita KS 67206-5514

36 18 22W Ness KS

Job Ticket: 29022

DST#: 2

ATTN: Ronald N Sinclair

Test Start: 2007.09.26 @ 01:56:26

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

15000 ppm

Viscosity: 75.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	GIMCWO 20%G 25%M 25%W 30%Oil	0.605
1877.00	GO 10%G 90%O	26.329
312.00	GMO 5%G 45%M 50%O	4.377
0.00	250 GIP	0.000

Total Length: 2312.00 ft

Total Volume: 31.311 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

