

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Wiepking-Fullerton Energy**

4600 S. Downing St.
Englewood CO 80101

ATTN: Gregg Smith

19-10-55 Linclon,CO

Aloha Mula #4

Start Date: 2011.06.22 @ 08:10:15

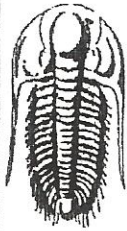
End Date: 2011.06.22 @ 19:12:15

Job Ticket #: 43158 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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Aloha Mula #4

4600 S. Downing St.
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19-10-55 Lincoln, CO

Job Ticket: 43158

DST#: 2

ATTN: Gregg Smith

Test Start: 2011.06.22 @ 08:10:15

GENERAL INFORMATION:

Formation: Cherokee A Porosity

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:35:00

Time Test Ended: 19:12:15

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: 7118.00 ft (KB) To 7147.00 ft (KB) (TVD)

Total Depth: 7147.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 5267.00 ft (KB)

5257.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6669

Outside

Press@RunDepth: 51.67 psig @ 7142.00 ft (KB)

Start Date: 2011.06.22

End Date:

2011.06.22

Capacity: 8000.00 psig

Last Calib.: 2011.06.22

Start Time: 08:10:15

End Time:

19:12:15

Time On Btm: 2011.06.22 @ 11:33:30

Time Off Btm: 2011.06.22 @ 15:36:45

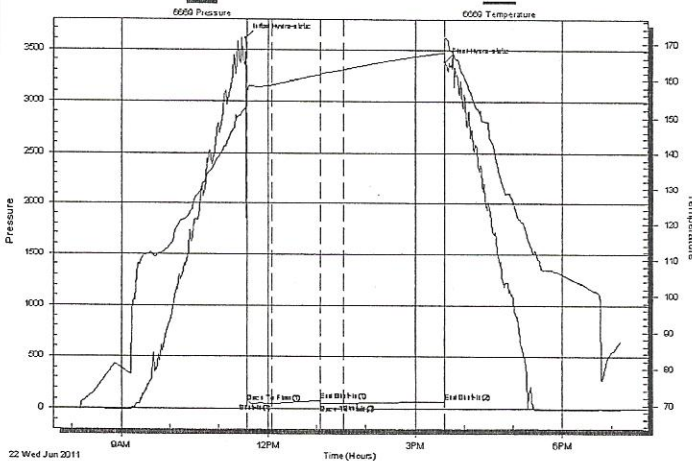
TEST COMMENT: IF: Built to 1" blow and died to 1/2" blow

IS: No return blow

FF: No blow

FS: No return blow

Pressure vs. Time



PRESSURE SUMMARY

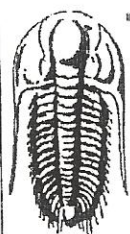
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3607.52	152.69	Initial Hydro-static
2	57.02	156.53	Open To Flow (1)
32	49.48	158.70	Shut-In(1)
92	79.95	161.63	End Shut-In(1)
92	45.27	161.64	Open To Flow (2)
120	51.67	162.99	Shut-In(2)
242	73.15	167.68	End Shut-In(2)
244	3382.01	171.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
94.00	m 100% m	0.46

Gas Rates

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



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TOOL DIAGRAM

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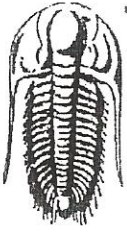
Test Start: 2011.06.22 @ 08:10:15

Tool Information

Drill Pipe:	Length: 6555.00 ft	Diameter: 3.80 inches	Volume: 91.95 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: 20000.00 lb
Drill Collar:	Length: 541.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 140000.0 lb
			<u>Total Volume: 94.61 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 100000.0 lb
Depth to Top Packer:	7118.00 ft			Final 101000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	60.00 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			7088.00	
Shut In Tool	5.00			7093.00	
Sampler	3.00			7096.00	
Hydraulic tool	5.00			7101.00	
Jars	5.00			7106.00	
Safety Joint	3.00			7109.00	
Packer	5.00			7114.00	31.00 Bottom Of Top Packer
Packer	4.00			7118.00	
Stubb	1.00			7119.00	
Perforations	23.00			7142.00	
Recorder	0.00	8358	Outside	7142.00	
Recorder	0.00	6669	Outside	7142.00	
Bullnose	5.00			7147.00	29.00 Bottom Packers & Anchor

Total Tool Length: 60.00



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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: 72.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: 0.00 ohm m

Gas Cushion Pressure:

psig

Salinity: 400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
94.00	m 100% m	0.462

Total Length: 94.00 ft Total Volume: 0.462 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler= 50ML of mud

Pressure vs. Time

