



DRILL STEM TEST REPORT

Prepared For: **Wiepking-Fullerton Energy**

4600 S. Downing St.
Englewood CO 80101

ATTN: Gregg Smith

19-10-55 Linclon,CO

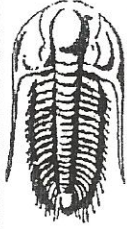
Aloha Mula #4

Start Date: 2011.06.21 @ 14:16:15

End Date: 2011.06.22 @ 01:39:45

Job Ticket #: 43157 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
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**TRILOBITE
TESTING, INC.**

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Wiepking-Fullerton Energy

Aloha Mula #4

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19-10-55 Lincoln, CO

Job Ticket: 43157

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Test Start: 2011.06.21 @ 14:16:15

GENERAL INFORMATION:

Formation: Marmaton Torch

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:50:00

Time Test Ended: 01:39:45

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: 7014.00 ft (KB) To 7030.00 ft (KB) (TVD)

Reference Elevations: 5267.00 ft (KB)

Total Depth: 7030.00 ft (KB) (TVD)

5257.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8358

Outside

Press@RunDepth: 643.56 psig @ 7025.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.21

End Date: 2011.06.21

Last Calib.: 2011.06.21

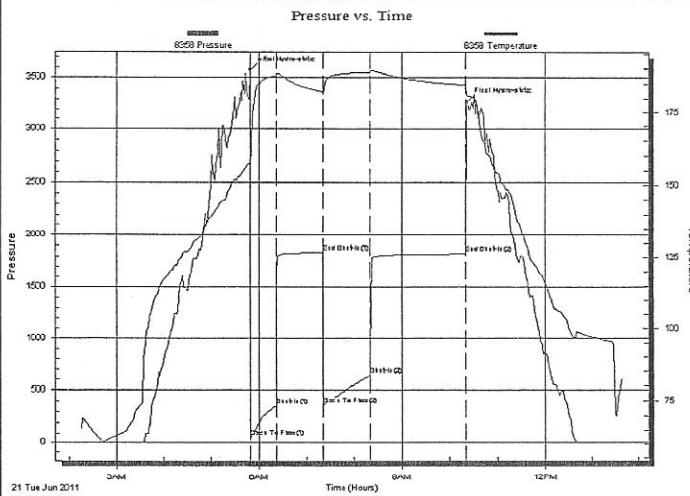
Start Time: 02:16:00

End Time: 13:39:30

Time On Btm: 2011.06.21 @ 05:48:45

Time Off Btm: 2011.06.21 @ 10:22:30

TEST COMMENT: IF:BOB in 10 min.
IS:Built to 1" blow in 45 min. then died to weak surface blow
FF:BOB in 18 min.
FS:Built to 4" blow and died to 1 1/2 blow



PRESSURE SUMMARY

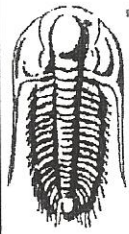
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3568.79	157.55	Initial Hydro-static
1	55.52	157.29	Open To Flow (1)
33	355.15	187.63	Shut-In(1)
92	1833.36	182.42	End Shut-In(1)
93	361.59	181.72	Open To Flow (2)
152	643.56	188.83	Shut-In(2)
273	1823.44	184.70	End Shut-In(2)
274	3284.10	180.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1388.00	gcsw	14.54
0.00	GIP= 1034	0.00

Gas Rates

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



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TOOL DIAGRAM

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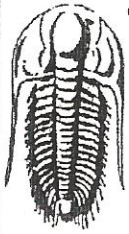
Tool Information

Drill Pipe:	Length: 6459.00 ft	Diameter: 3.80 inches	Volume: 90.60 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 Full Loose: 140000.0 lb
			<u>Total Volume: 93.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 98000.00 lb
Depth to Top Packer:	7014.00 ft			Final 130000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	47.00 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			6984.00	
Shut In Tool	5.00			6989.00	
Sampler	3.00			6992.00	
Hydraulic tool	5.00			6997.00	
Jars	5.00			7002.00	
Safety Joint	3.00			7005.00	
Packer	5.00			7010.00	31.00 Bottom Of Top Packer
Packer	4.00			7014.00	
Stubb	1.00			7015.00	
Perforations	10.00			7025.00	
Recorder	0.00	8358	Outside	7025.00	
Recorder	0.00	6669	Outside	7025.00	
Bullnose	5.00			7030.00	16.00 Bottom Packers & Anchor

Total Tool Length: 47.00



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ATTN: Gregg Smith

Test Start: 2011.06.21 @ 14:16:15

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:

24000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.12 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1388.00	gcsw	14.542
0.00	GIP= 1034	0.000

Total Length: 1388.00 ft Total Volume: 14.542 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Recovery 1100 ML of salt water

Sampler Analysis = Resistivity .325 ohms @ 72.6* =24,000 ppm

Pressure vs. Time

