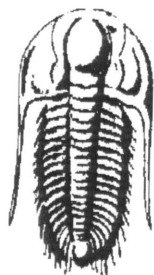


15-33-19w

15-033-21529-0000

KGS✓



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Ares Energy**

303 West, Wall Street, Suite 900 Midland, TX
79701

ATTN: Henry Clanton

15 33 19 Comanche KS

Bunnell 15-6

Start Date: 2008.08.13 @ 20:39:47

End Date: 2008.08.14 @ 07:06:35

Job Ticket #: 31013 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



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TESTING, INC.

DRILL STEM TEST REPORT

Ares Energy

303 West, Wall Street, Suite 900 Midland, TX
79701

ATTN: Henry Clanton

Bunnell 15-6

15 33 19 Comanche KS

Job Ticket: 31013

DST#: 1

Test Start: 2008.08.13 @ 20:39:47

GENERAL INFORMATION:

Formation: **Miss**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 00:07:16

Time Test Ended: 07:06:35

Test Type: Conventional Bottom Hole

Tester: Chris Hagman

Unit No: 34

Interval: 5256.00 ft (KB) To 5350.00 ft (KB) (TVD)

Total Depth: 5350.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2015.00 ft (KB)

2005.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6753

Inside

Press@RunDepth: 63.71 psig @ 5258.00 ft (KB)

Start Date: 2008.08.13

End Date:

2008.08.14

Start Time: 20:39:47

End Time:

07:06:35

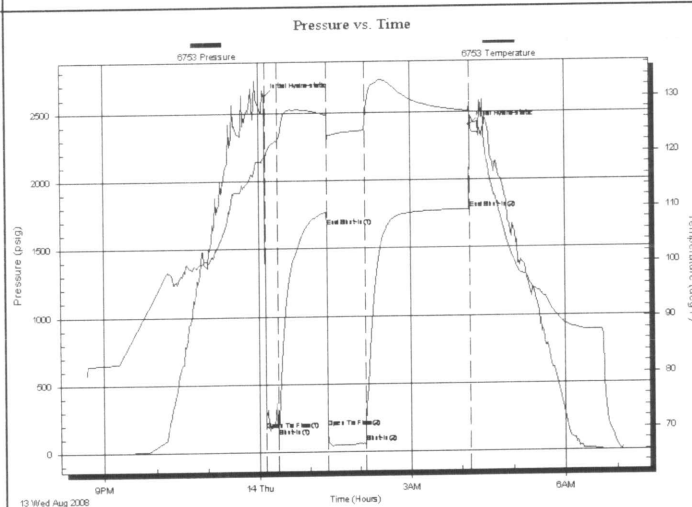
Capacity: 7000.00 psig

Last Calib.: 2008.08.14

Time On Btm: 2008.08.14 @ 00:07:06

Time Off Btm: 2008.08.14 @ 04:09:56

TEST COMMENT: IF BOB 1.5 min strong surging blow
ISI No blow back
FF BOB ASAO GTS 30 sec strong steady blow
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2619.28	119.04	Initial Hydro-static
1	168.62	118.07	Open To Flow (1)
16	180.30	122.26	Shut-In(1)
74	1659.63	126.63	End Shut-In(1)
74	179.49	121.86	Open To Flow (2)
119	63.71	123.95	Shut-In(2)
243	1780.26	127.31	End Shut-In(2)
243	2398.70	128.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
93.00	gassy mud 10%G,90%M	0.46

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	10.00	9.13
Last Gas Rate	0.38	12.00	96.71
Max. Gas Rate	0.38	12.00	96.71



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ares Energy

Bunnell 15-6

303 West, Wall Street, Suite 900 Midland, TX
79701

15 33 19 Comanche KS

Job Ticket: 31013

DST#: 1

ATTN: Henry Clanton

Test Start: 2008.08.13 @ 20:39:47

Tool Information

Drill Pipe:	Length: 5085.00 ft	Diameter: 3.80 inches	Volume: 71.33 bbl	Tool Weight: 2000.00 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: 177.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 90000.00 lb
			Total Volume: 72.20 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 82000.00 lb
Depth to Top Packer:	5256.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	94.00 ft			
Tool Length:	122.00 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		5229.00	
Shut In Tool	5.00		5234.00	
Hydraulic tool	5.00		5239.00	
Jars	5.00		5244.00	
Safety Joint	3.00		5247.00	
Packer	5.00		5252.00	28.00 Bottom Of Top Packer
Packer	4.00		5256.00	
Stubb	1.00		5257.00	
Perforations	1.00		5258.00	
Recorder	0.00	8322 Inside	5258.00	
Recorder	0.00	6753 Inside	5258.00	
Perforations	25.00		5283.00	
Change Over Sub	1.00		5284.00	
Drill Pipe	62.00		5346.00	
Change Over Sub	1.00		5347.00	
Bullnose	3.00		5350.00	94.00 Bottom Packers & Anchor
Total Tool Length:	122.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Ares Energy

Bunnell 15-6

303 West, Wall Street, Suite 900 Midland, TX
79701

15 33 19 Comanche KS

Job Ticket: 31013

DST#: 1

ATTN: Henry Clanton

Test Start: 2008.08.13 @ 20:39:47

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: 4400 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
93.00	gassy mud 10%G,90%M	0.457

Total Length: 93.00 ft Total Volume: 0.457 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments: RW=1.215@82F=4400ppm



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Ares Energy

Bunnell 15-6

303 West, Wall Street, Suite 900 Midland, TX
79701

15 33 19 Comanche KS

Job Ticket: 31013

DST#: 1

ATTN: Henry Clanton

Test Start: 2008.08.13 @ 20:39:47

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	10	0.13	10.00	9.13
2	10	0.13	10.00	9.13
2	10	0.13	10.00	9.13
2	20	0.38	11.00	93.05
2	30	0.38	11.00	93.05
2	40	0.38	12.00	96.71

Pressure vs. Time

