



DRILL STEM TEST REPORT

Prepared For: **Sam Gary & Associates Inc**

1515 Wynkoop St Ste 700
Denver Colo 80202

ATTN: Clayton Comozzi

23-15-16-Ellis-Ks

Leas 1-23

Start Date: 2011.04.01 @ 01:02:25

End Date: 2011.04.01 @ 08:11:55

Job Ticket #: 042408 DST #: 3

Trilobite Testing, Inc
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Leas 1-23

1515 Wynkoop St Ste 700
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Test Start: 2011.04.01 @ 01:02:25

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:51:35

Time Test Ended: 08:11:55

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: 3438.00 ft (KB) To 3450.00 ft (KB) (TVD)

Reference Elevations: 1870.00 ft (KB)

Total Depth: 3450.00 ft (KB) (TVD)

1862.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8354 Inside

Press @ Run Depth: psig @ 3439.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.04.01 End Date: 2011.04.01

Last Calib.: 2011.04.01

Start Time: 01:12:25 End Time: 08:11:55

Time On Btm: 2011.04.01 @ 02:48:05

Time Off Btm: 2011.04.01 @ 06:02:55

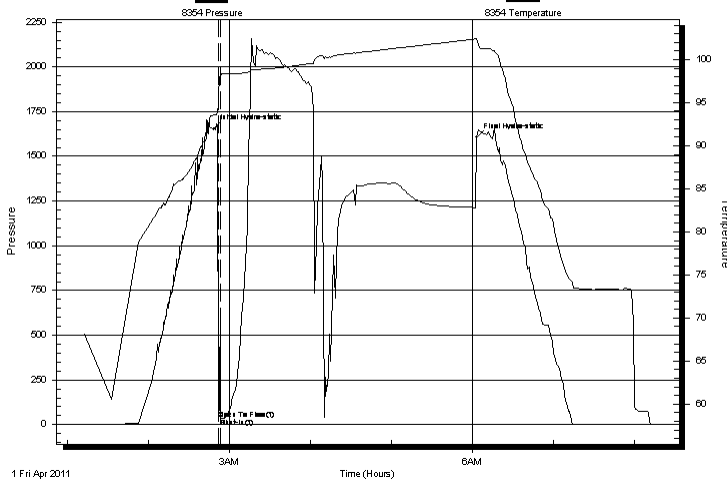
TEST COMMENT: IF-Weak 1/2" blow [slid tool 5' to bottom]

FF-Weak steady surface blow

Times-10-60-30-90

PLUGGED TOOL

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1654.14	93.56	Initial Hydro-static
4	29.70	95.65	Open To Flow (1)
5	33.29	98.04	Shut-In(1)
195	1605.16	102.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drig Mud	0.05
0.00	Plugged Tool	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: 3382.00 ft	Diameter: 3.80 inches	Volume: 47.44 bbl	Tool Weight:	3000.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 47.59 bbl</u>	Tool Chased	5.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3438.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	12.00 ft				
Tool Length:	47.00 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			3404.00	
Recorder	0.00	8520	Inside	3404.00	
Blank Spacing	5.00			3409.00	
Shut In Tool	5.00			3414.00	
Sampler	2.00			3416.00	
Hydraulic tool	5.00			3421.00	
Jars	5.00			3426.00	
Safety Joint	3.00			3429.00	
Packer	5.00			3434.00	35.00 Bottom Of Top Packer
Packer	4.00			3438.00	
Stubb	1.00			3439.00	
Recorder	0.00	8354	Inside	3439.00	
Recorder	0.00	8653	Outside	3439.00	
Perforations	8.00			3447.00	
Bullnose	3.00			3450.00	12.00 Bottom Packers & Anchor

Total Tool Length: 47.00



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FLUID SUMMARY

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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: ppm

Viscosity: 53.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 6300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drig Mud	0.049
0.00	Plugged Tool	0.000

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Plugged
Gas

