



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

**Sandra Leas #1-25**

1515 Wynkoop st  
suite 700  
Denver Co 80202  
ATTN: Neil D sharp

**25-15s-16w-Ellis**

Job Ticket: 43825

**DST#: 1**

Test Start: 2011.06.25 @ 17:36:13

## GENERAL INFORMATION:

Formation: **Lansing-H&J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:36:43

Time Test Ended: 01:10:13

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 44

**Interval: 3214.00 ft (KB) To 3270.00 ft (KB) (TVD)**

Reference Elevations: 1810.00 ft (KB)

Total Depth: 3270.00 ft (KB) (TVD)

1800.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8321**

**Inside**

Press @ Run Depth: 43.60 psig @ 3252.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.25

End Date:

2011.06.26

Last Calib.:

2011.06.26

Start Time: 17:36:14

End Time:

01:09:13

Time On Btm:

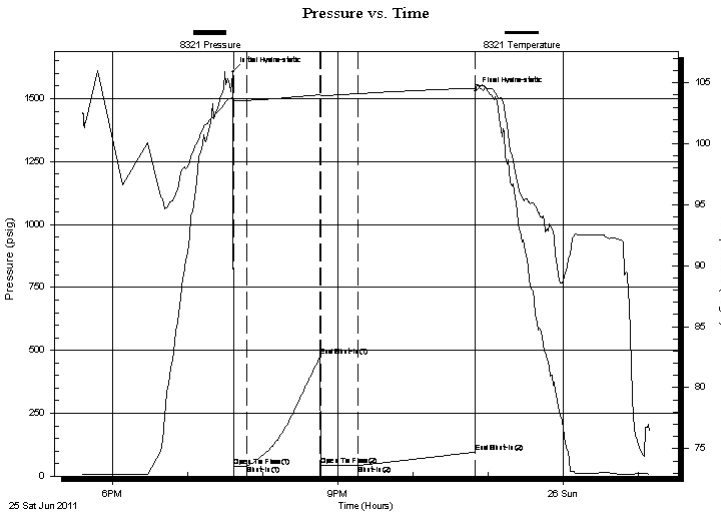
2011.06.25 @ 19:36:13

Time Off Btm:

2011.06.25 @ 22:49:43

**TEST COMMENT:** IFP-10 min-Weak surface blow  
ISI-60 min Dead no blow back  
FFP-30 min-Dead no blow  
FSI-90 min-Dead no blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1606.15	103.80	Initial Hydro-static
1	38.12	103.51	Open To Flow (1)
11	41.03	103.56	Shut-In(1)
70	476.12	104.03	End Shut-In(1)
70	41.53	103.93	Open To Flow (2)
100	43.60	104.12	Shut-In(2)
193	95.77	104.57	End Shut-In(2)
194	1529.19	104.92	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
8.00	OCM 10%O90%M	0.11

## 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: 3190.00 ft	Diameter: 3.80 inches	Volume: 44.75 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 44.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3214.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	91.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:  
500 ML Of fluid 50 ML of Oil 450 ML of mud

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Recorder	0.00	8737	Fluid	3179.00	
Drill Pipe	5.00			3184.00	
Shut In Tool	5.00			3189.00	
Sampler	3.00			3192.00	
Hydraulic tool	5.00			3197.00	
Jars	5.00			3202.00	
Safety Joint	3.00			3205.00	
Packer	4.00			3209.00	35.00 Bottom Of Top Packer
Packer	5.00			3214.00	
Stubb	1.00			3215.00	
Perforations	4.00			3219.00	
Change Over Sub	1.00			3220.00	
Drill Pipe	31.00			3251.00	
Change Over Sub	1.00			3252.00	
Recorder	0.00	8321	Inside	3252.00	
Recorder	0.00	8679	Outside	3252.00	
Perforations	15.00			3267.00	
Bullnose	3.00			3270.00	56.00 Bottom Packers & Anchor

**Total Tool Length: 91.00**



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**FLUID SUMMARY**

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## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 10.19 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 6000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
8.00	OCM 10%O90%M	0.112

Total Length: 8.00 ft      Total Volume: 0.112 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

