



## DRILL STEM TEST REPORT

Prepared For: **Daystar Petroleum Inc**

522 N Main ST Po Box 560  
Eureka KS 67045

ATTN: Matthew Osborn/ Just

**Johnson #7**

**12-18-8 Rice co**

Start Date: 2012.11.16 @ 13:34:58

End Date: 2012.11.16 @ 23:57:28

Job Ticket #: 49502                      DST #: 2

Trilobite Testing, Inc

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Printed: 2012.11.17 @ 01:15:07



# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

Daystar Petroleum Inc  
522 N Main ST Po Box 560  
Eureka KS 67045  
ATTN: Matthew Osborn/ Just

**12-18-8 Rice co**  
**Johnson #7**  
Job Ticket: 49502      **DST#: 2**  
Test Start: 2012.11.16 @ 13:34:58

### GENERAL INFORMATION:

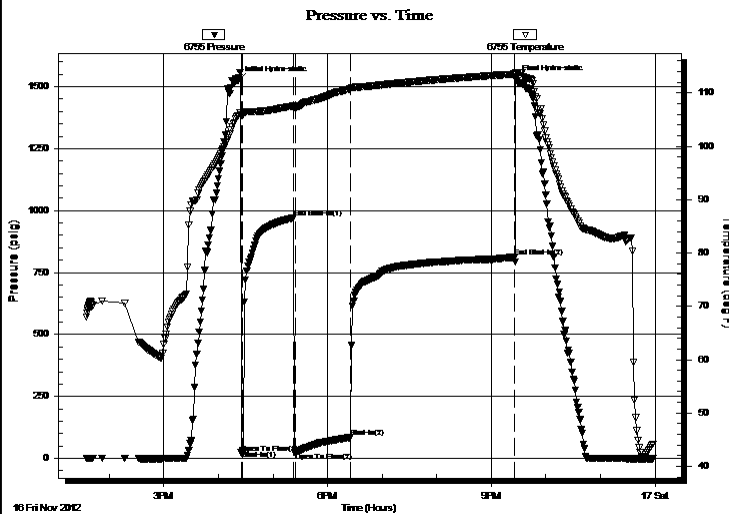
Formation: **Arbuckle**  
Deviated: No    Whipstock:                      ft (KB)                      Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 16:25:13                      Tester: Chris Staats  
Time Test Ended: 23:57:28                      Unit No: 47  
**Interval: 3171.00 ft (KB) To 3193.00 ft (KB) (TVD)**                      Reference Elevations: 1762.00 ft (KB)  
Total Depth: 3193.00 ft (KB) (TVD)                      1752.00 ft (CF)  
Hole Diameter: 7.88 inches    Hole Condition: Fair                      KB to GR/CF: 10.00 ft

### Serial #: 6755      Inside

Press @ Run Depth: 84.72 psig @ 3172.00 ft (KB)                      Capacity: 8000.00 psig  
Start Date: 2012.11.16                      End Date: 2012.11.16                      Last Calib.: 2012.11.17  
Start Time: 13:35:03                      End Time: 23:57:28                      Time On Btm: 2012.11.16 @ 16:22:13  
Time Off Btm: 2012.11.16 @ 21:26:58

TEST COMMENT: IF: Weak blow 4"  
IS: No blow back  
FF: Strong blow BOB 40 min  
FS: Weak blow back

### PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1525.39	105.77	Initial Hydro-static
3	21.86	105.91	Open To Flow (1)
5	31.06	105.95	Shut-In(1)
61	970.00	107.54	End Shut-In(1)
62	25.20	107.27	Open To Flow (2)
123	84.72	110.71	Shut-In(2)
304	811.26	113.52	End Shut-In(2)
305	1530.45	113.79	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
0.00	310' GIP	0.00
3.00	OIL	0.01
60.00	O,M,W 1%oil 39%mud 60%w ater	0.30
120.00	O,M,W 1%oil 9%mud 90%w ater	1.19

### Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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\* Recovery from multiple tests



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**TOOL DIAGRAM**

Daystar Petroleum Inc  
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**DST#: 2**

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## Tool Information

Drill Pipe:	Length: 3042.00 ft	Diameter: 3.80 inches	Volume: 42.67 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 43.25 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	3171.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3144.00	
Shut In Tool	5.00			3149.00	
Hydraulic tool	5.00			3154.00	
Jars	5.00			3159.00	
Safety Joint	3.00			3162.00	
Packer	5.00			3167.00	28.00 Bottom Of Top Packer
Packer	4.00			3171.00	
Stubb	1.00			3172.00	
Recorder	0.00	6773	Outside	3172.00	
Recorder	0.00	6755	Inside	3172.00	
Perforations	18.00			3190.00	
Bullnose	3.00			3193.00	22.00 Bottom Packers & Anchor

**Total Tool Length: 50.00**



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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:

98 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7200.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	310' GIP	0.000
3.00	OIL	0.015
60.00	O,M,W 1%oil 39%mud 60%w ater	0.295
120.00	O,M,W 1%oil 9%mud 90%w ater	1.191

Total Length: 183.00 ft

Total Volume: 1.501 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

