



## DRILL STEM TEST REPORT

Prepared For: **Bengalia Land and Cattle Company**

PO Box 521008  
Tulsa, Oklahoma  
74152+1008

ATTN:

**Myles McGehee #1-7**

**7/25S/30W/Gray**

Start Date: 2014.06.04 @ 23:45:00

End Date: 2014.06.05 @ 09:43:00

Job Ticket #: 18269                      DST #: 4

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2014.06.05 @ 09:52:22



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Job Ticket: 18269 **DST#: 4**

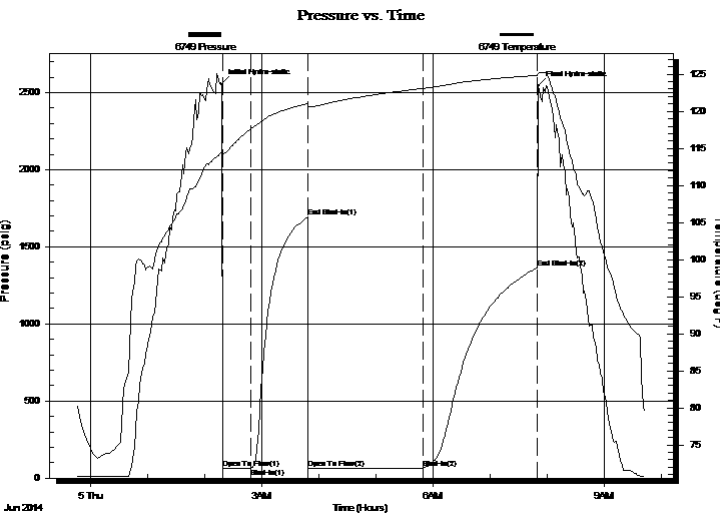
Test Start: 2014.06.04 @ 23:45:00

## GENERAL INFORMATION:

Formation: **St Louis**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 02:18:30  
 Time Test Ended: 09:43:00  
 Interval: **5030.00 ft (KB) To 5087.00 ft (KB) (TVD)**  
 Total Depth: 5087.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 3325 Scott City/110  
 Reference Elevations: 2837.00 ft (KB)  
 2827.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 6749 Inside**  
 Press@RunDepth: 66.35 psig @ 5082.45 ft (KB) Capacity: 5000.00 psig  
 Start Date: 2014.06.04 End Date: 2014.06.05 Last Calib.: 2014.06.05  
 Start Time: 23:45:00 End Time: 09:43:00 Time On Btm: 2014.06.05 @ 02:17:00  
 Time Off Btm: 2014.06.05 @ 07:51:00

**TEST COMMENT:** 1ST Open 30 Mintues/Weak blow /Blow bult to 1/2 inch then died in 20 minutes  
 1ST Shut In 60 Minutes/No blow back  
 2ND Open 120 Minutes/Dead no blow  
 2ND Shut In 120 Minutes/No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2557.09	114.53	Initial Hydro-static
2	61.35	114.22	Open To Flow (1)
32	63.45	117.63	Shut-In(1)
91	1692.42	121.04	End Shut-In(1)
92	64.93	120.50	Open To Flow (2)
213	66.35	123.11	Shut-In(2)
334	1365.73	124.84	End Shut-In(2)
334	2543.47	125.12	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100%	0.21

## Gas Rates

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



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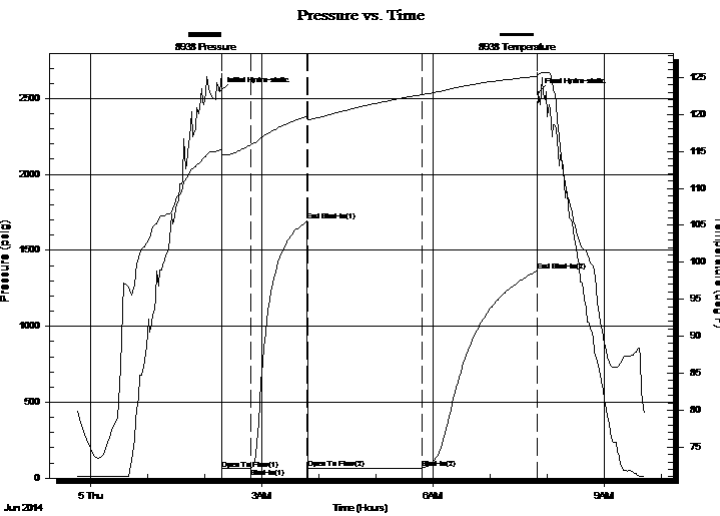
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 Hole Diameter: 7.80 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 3325 Scott City/110  
 Reference Elevations: 2837.00 ft (KB)  
 2827.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8938 Outside**  
 Press@RunDepth: 1364.63 psig @ 5083.45 ft (KB) Capacity: 5000.00 psig  
 Start Date: 2014.06.04 End Date: 2014.06.05 Last Calib.: 2014.06.05  
 Start Time: 23:45:00 End Time: 09:42:30 Time On Btm: 2014.06.05 @ 02:16:00  
 Time Off Btm: 2014.06.05 @ 07:50:30

**TEST COMMENT:** 1ST Open 30 Mintues/Weak blow /Blow bult to 1/2 inch then died in 20 minutes  
 1ST Shut In 60 Minutes/No blow back  
 2ND Open 120 Minutes/Dead no blow  
 2ND Shut In 120 Minutes/No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2547.97	115.17	Initial Hydro-static
2	60.62	114.60	Open To Flow (1)
32	62.85	115.87	Shut-In(1)
92	1691.60	119.75	End Shut-In(1)
92	63.98	119.29	Open To Flow (2)
213	65.35	122.67	Shut-In(2)
334	1364.63	125.13	End Shut-In(2)
335	2537.16	125.44	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100%	0.21

## Gas Rates

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



# DRILL STEM TEST REPORT

TOOL DIAGRAM

Bengalia Land and Cattle Company

7/25S/30W/Gray

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Job Ticket: 18269

DST#: 4

Test Start: 2014.06.04 @ 23:45:00

## Tool Information

Drill Pipe:	Length: 5028.00 ft	Diameter: 3.80 inches	Volume: 70.53 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 95000.00 lb
			Total Volume: 70.53 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 86000.00 lb
Depth to Top Packer:	5030.00 ft			Final 86000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.45 ft			
Tool Length:	84.45 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Shale packer used

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			5007.00	
Hydraulic tool	5.00			5012.00	
Jars	6.00			5018.00	
Safety Joint	2.00			5020.00	
Top Packer	5.00			5025.00	
Packer	5.00			5030.00	28.00 Bottom Of Top Packer
Anchor	4.00			5034.00	
Change Over Sub	0.75			5034.75	
Drill Pipe	30.95			5065.70	
Change Over Sub	0.75			5066.45	
Anchor	15.00			5081.45	
Recorder	1.00	6749	Inside	5082.45	
Recorder	1.00	8938	Outside	5083.45	
Bullnose	3.00			5086.45	56.45 Anchor Tool

**Total Tool Length: 84.45**



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FLUID SUMMARY

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Test Start: 2014.06.04 @ 23:45:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 57.00 sec/qt  
Water Loss: 8.40 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 4400.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100%	0.210

Total Length: 15.00 ft      Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

