



DRILL STEM TEST REPORT

Prepared For: **L B Exploration Inc**

2135 2nd Rd Holyrood KS 67450+9021

ATTN: Steven Petermann

J Paul Magnison 26#1

26-33-13 Barber

Start Date: 2013.04.07 @ 10:47:00

End Date: 2013.04.07 @ 17:47:30

Job Ticket #: 17451 DST #: 2

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

Printed: 2013.04.07 @ 17:58:47



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 Test Start: 2013.04.07 @ 10:47:00

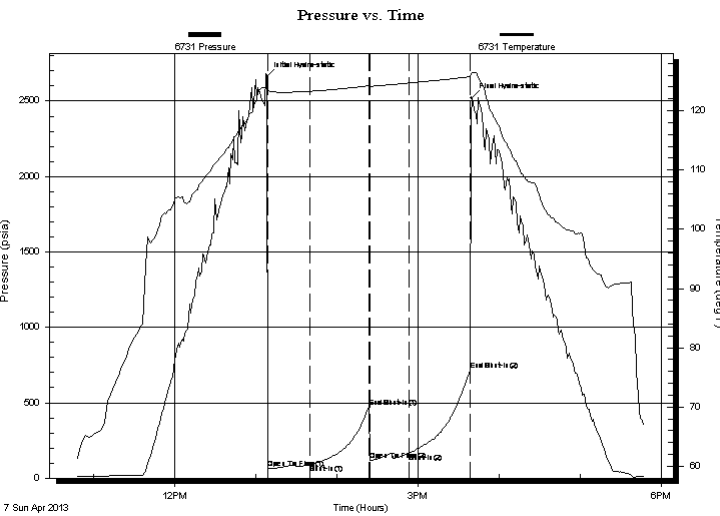
GENERAL INFORMATION:

Formation: **Misemer Sand/Viola**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:09:00
 Time Test Ended: 17:47:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-Pratt -100
 Interval: **4908.00 ft (KB) To 4953.00 ft (KB) (TVD)**
 Total Depth: 4953.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Reference Elevations: 1625.00 ft (KB)
 1613.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 6731

Press@RunDepth: 166.05 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.04.07 End Date: 2013.04.07 Last Calib.: 2013.04.07
 Start Time: 10:47:00 End Time: 17:47:30 Time On Btm: 2013.04.07 @ 13:08:00
 Time Off Btm: 2013.04.07 @ 15:39:30

TEST COMMENT: 1st Opening 30 Minutes-Very weak blow built 1/2 inch into water
 1st Shut-in 45 Minutes-No blow back
 2nd Opening 30 Minutes-Very weak surge flushed tool weak surge did not build
 2nd Shut-in 45 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2662.65	124.26	Initial Hydro-static
1	63.78	123.49	Open To Flow (1)
32	93.40	123.29	Shut-In(1)
76	472.35	124.21	End Shut-In(1)
77	116.83	124.12	Open To Flow (2)
105	166.05	124.67	Shut-In(2)
151	713.93	125.76	End Shut-In(2)
152	2520.61	126.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	MUD	0.21

Gas Rates

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



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TOOL DIAGRAM

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Tool Information

Drill Pipe:	Length: 4895.00 ft	Diameter: 3.80 inches	Volume: 68.66 bbl	Tool Weight:	1000.00 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:	75000.00 lb
			<u>Total Volume: 68.66 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	4908.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	45.00 ft				
Tool Length:	65.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments: Shale packer

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4893.00	
Hydraulic Tool	5.00			4898.00	
Packer	5.00			4903.00	20.00 Bottom Of Top Packer
Packer	5.00			4908.00	
Anchor	40.00			4948.00	
Recorder	1.00	6731	Inside	4949.00	
Recorder	1.00	8159	Outside	4950.00	
Bullnose	3.00			4953.00	45.00 Bottom Packers & Anchor

Total Tool Length: 65.00



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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: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 7500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	MUD	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: Shale packer

Pressure vs. Time

