



DRILL STEM TEST REPORT

Prepared For: **LB Exploration Inc.**

2135 2nd RD.
Holyrod Ks, 67450-9021

ATTN: Steve Petermann

Spencer's Bluffs #6

16/32s/13w/Barber

Start Date: 2013.11.06 @ 12:30:00

End Date: 2013.11.06 @ 19:24:00

Job Ticket #: 18517 DST #: 6

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

Printed: 2013.11.06 @ 19:42:38



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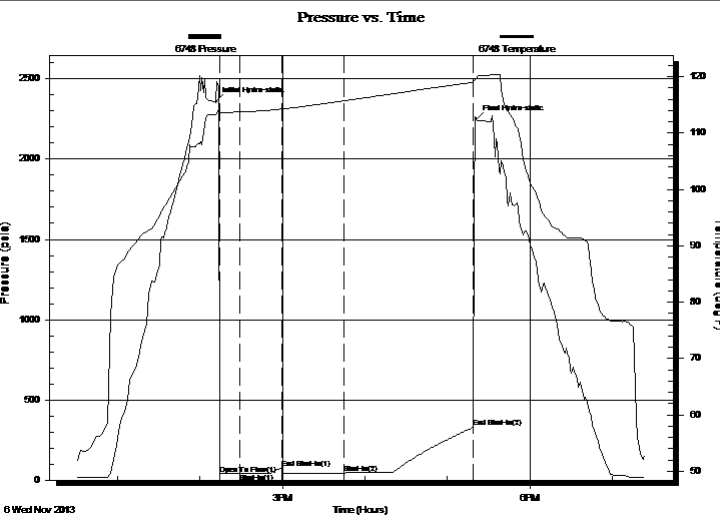
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Spencer's Bluffs #6
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 Test Start: 2013.11.06 @ 12:30:00

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:14:30
 Time Test Ended: 19:24:00
 Interval: **4617.00 ft (KB) To 4640.00 ft (KB) (TVD)**
 Total Depth: 4640.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 3330/196/Great Bend
 Reference Elevations: 1828.00 ft (KB)
 1815.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6748 Outside
 Press @ Run Depth: 327.25 psia @ 4637.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.11.06 End Date: 2013.11.06 Last Calib.: 2013.11.06
 Start Time: 12:30:00 End Time: 19:23:30 Time On Btm: 2013.11.06 @ 14:11:30
 Time Off Btm: 2013.11.06 @ 17:21:00

TEST COMMENT: 1st Open/ 15 Minutes. Good blow built to bottom of 5 gallon bucket in 5 min utes.
 1st Shut In/ 30 Minutes. Blow back built to 1.5 inches in 5 gallon bucket.
 2nd Open/ 45 Minutes. Fair blow built to bottom of 5 gallon bucket in 40 minutes.
 2nd Shut In/ 90 Minutes. BLOW back built to 5 inches in 5 gallon bucket.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2357.47	113.29	Initial Hydro-static
3	38.95	113.67	Open To Flow (1)
18	42.21	113.73	Shut-In(1)
48	71.30	114.26	End Shut-In(1)
93	43.25	115.69	Shut-In(2)
188	327.25	118.96	End Shut-In(2)
190	2248.77	119.73	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	550 feet 100% gas.	0.00
20.00	5% Oil, 95% mud	0.28

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: 4612.00 ft	Diameter: 3.80 inches	Volume: 64.69 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 76000.00 lb
			<u>Total Volume: 64.69 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4617.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4597.00	
Shut-In Tool	5.00			4602.00	
Hydroic Tool	5.00			4607.00	
Packer	5.00			4612.00	21.00 Bottom Of Top Packer
Packer	5.00			4617.00	
Perforations	18.00			4635.00	
Recorder	1.00	6663	Inside	4636.00	
Recorder	1.00	6748	Outside	4637.00	
Bullnose	3.00			4640.00	23.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



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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: 66.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 7000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	550 feet 100% gas.	0.000
20.00	5% Oil, 95% mud	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time

