



DRILL STEM TEST REPORT

Prepared For: **L B Exploration Inc**

2135 2nd Rd Holyrood KS 67450+9021

ATTN: Steven Petermann

Kingston #5

3-17-14w Barton

Start Date: 2013.07.17 @ 13:15:00

End Date: 2013.07.17 @ 17:47:00

Job Ticket #: 17012 DST #: 5

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

Printed: 2013.07.17 @ 18:11:51



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Kingston #5
 Job Ticket: 17012 **DST#: 5**
 Test Start: 2013.07.17 @ 13:15:00

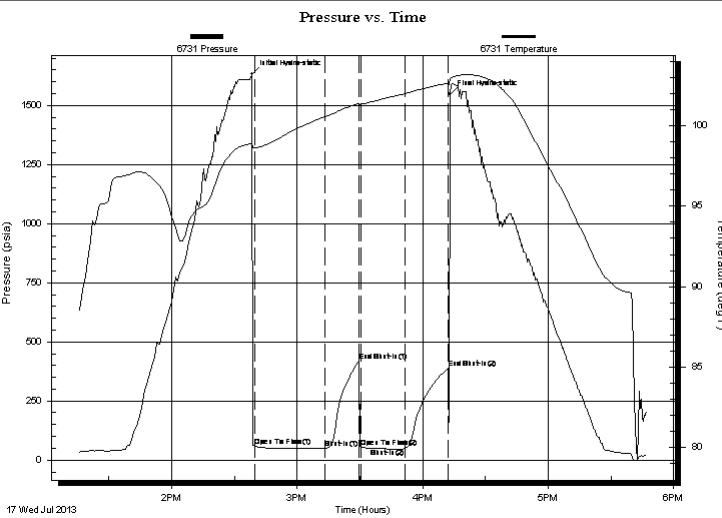
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:39:30
 Time Test Ended: 17:47:00
Interval: 3455.00 ft (KB) To 3467.00 ft (KB) (TVD)
 Total Depth: 3467.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320 Great Bend-
 Reference Elevations: 1965.00 ft (KB)
 1955.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6731

Press@RunDepth: 49.79 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.07.17 End Date: 2013.07.17 Last Calib.: 2013.07.17
 Start Time: 13:15:00 End Time: 17:47:00 Time On Btm: 2013.07.17 @ 14:38:30
 Time Off Btm: 2013.07.17 @ 16:13:00

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 1/4 inch into bucket w ater in 30 minutes
 1st Shut-in 20 Minutes-No blow back
 2nd Opening 20 Minutes-Very weak surge did not build
 2nd Shut-in 20 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1631.14	98.96	Initial Hydro-static
1	59.78	98.63	Open To Flow (1)
35	49.45	100.55	Shut-In(1)
51	419.39	101.39	End Shut-In(1)
52	55.35	101.33	Open To Flow (2)
73	49.79	101.99	Shut-In(2)
94	388.19	102.63	End Shut-In(2)
95	1547.11	102.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	spot oil cut mud 1% oil 99% mud	0.14

Gas Rates

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



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Kingston #5
 Job Ticket: 17012 **DST#: 5**
 Test Start: 2013.07.17 @ 13:15:00

GENERAL INFORMATION:

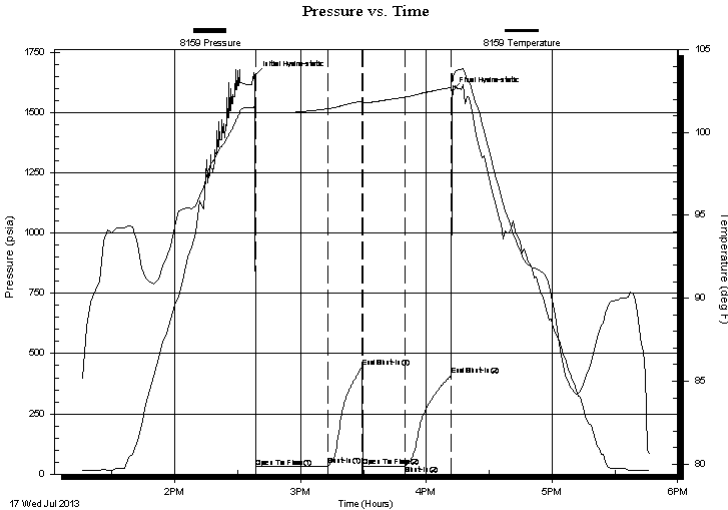
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 14:39:30 Tester: Jared Scheck
 Time Test Ended: 17:47:00 Unit No: 3320 Great Bend-
Interval: 3455.00 ft (KB) To 3467.00 ft (KB) (TVD) Reference Elevations: 1965.00 ft (KB)
 Total Depth: 3467.00 ft (KB) (TVD) 1955.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8159

Press@RunDepth: 410.56 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.07.17 End Date: 2013.07.17 Last Calib.: 2013.07.17
 Start Time: 13:15:00 End Time: 17:47:00 Time On Btm: 2013.07.17 @ 14:38:20
 Time Off Btm: 2013.07.17 @ 16:12:20

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 1/4 inch into bucket w ater in 30 minutes
 1st Shut-in 20 Minutes-No blow back
 2nd Opening 20 Minutes-Very weak surge did not build
 2nd Shut-in 20 Minutes-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1651.42	101.61	Initial Hydro-static
1	30.10	101.20	Open To Flow (1)
35	35.44	101.43	Shut-In(1)
51	442.40	101.89	End Shut-In(1)
52	34.24	101.77	Open To Flow (2)
72	35.89	102.13	Shut-In(2)
94	410.56	102.71	End Shut-In(2)
94	1588.81	103.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	spot oil cut mud 1% oil 99%mud	0.14

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

L B Exploration Inc
 2135 2nd Rd Holyrood KS 67450+9021
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3-17-14w Barton
Kingston #5
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 Test Start: 2013.07.17 @ 13:15:00

Tool Information

Drill Pipe:	Length: 3444.00 ft	Diameter: 3.80 inches	Volume: 48.31 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:	70000.00 lb
			<u>Total Volume: 48.31 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3455.00 ft			Final	5000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	12.00 ft				
Tool Length:	32.00 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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Shut-In Tool	5.00			3440.00	
Hydraulic Tool	5.00			3445.00	
Packer	5.00			3450.00	20.00 Bottom Of Top Packer
Packer	5.00			3455.00	
Anchor	7.00			3462.00	
Recorder	1.00	6731	Inside	3463.00	
Recorder	1.00	8159	Outside	3464.00	
Bullnose	3.00			3467.00	12.00 Bottom Packers & Anchor

Total Tool Length: 32.00



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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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 7000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	spot oil cut mud 1% oil 99% mud	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

