



DRILL STEM TEST REPORT

Prepared For: **LB Exploration Incorporated**

2135 2ND Road
Holyrood, Kansas 67450+9021

ATTN: Steven Peterson

Kingston #4

34/16S/14W/Barton

Start Date: 2012.05.27 @ 06:52:00

End Date: 2012.05.27 @ 11:47:30

Job Ticket #: 17643 DST #: 2

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

Printed: 2012.05.27 @ 12:00:28



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34/16S/14W/Barton
Kingston #4
 Job Ticket: 17643 **DST#: 2**
 Test Start: 2012.05.27 @ 06:52:00

GENERAL INFORMATION:

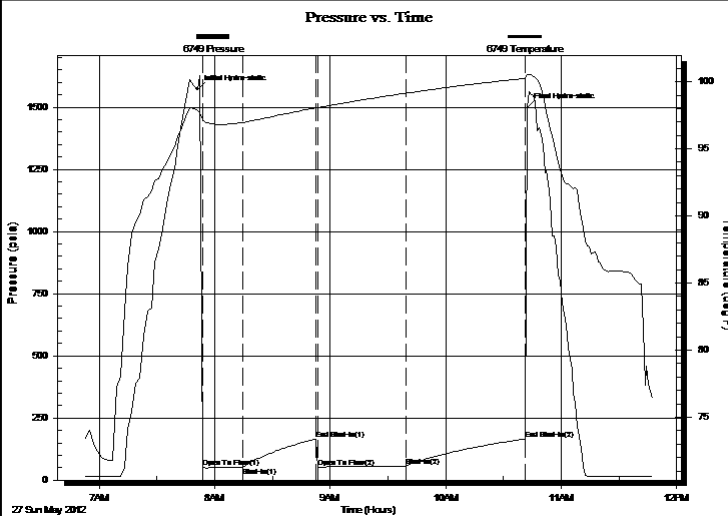
Formation: **Lansing/Kansas City**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:53:30
 Time Test Ended: 11:47:30
 Interval: **3246.00 ft (KB) To 3286.00 ft (KB) (TVD)**
 Total Depth: 3286.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3325 Great Bend/45
 Reference Elevations: 1973.00 ft (KB)
 1966.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6749

Inside

Press @ Run Depth: 56.66 psia @ 3282.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.05.27 End Date: 2012.05.27 Last Calib.: 2012.05.27
 Start Time: 06:52:00 End Time: 11:47:30 Time On Btm: 2012.05.27 @ 07:51:00
 Time Off Btm: 2012.05.27 @ 10:42:30

TEST COMMENT: 1ST Open 20 Minutes/Good blow/Blow to bottom of bucket of water in 7 1/2 minutes
 1ST Shut In 40 Minutes/No blow back
 2ND Open 45 Minutes/Strong blow/Blow to bottom of bucket of water in 10 seconds
 2ND Shut In 60 Minutes/No blow back



PRESSURE SUMMARY

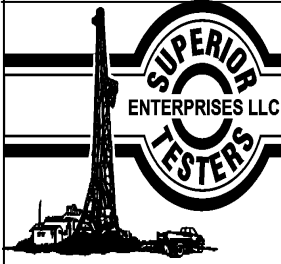
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1572.80	97.85	Initial Hydro-static
3	50.20	97.20	Open To Flow (1)
24	52.09	96.96	Shut-In(1)
62	165.47	98.06	End Shut-In(1)
63	51.39	98.06	Open To Flow (2)
109	56.66	99.14	Shut-In(2)
171	165.59	100.25	End Shut-In(2)
172	1496.73	100.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	620 Feet of gas in pipe	0.00
40.00	Slightly gassy oil cut mud	0.58
0.00	Gas 5% Oil 5% Mud 90%	0.00

Gas Rates

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



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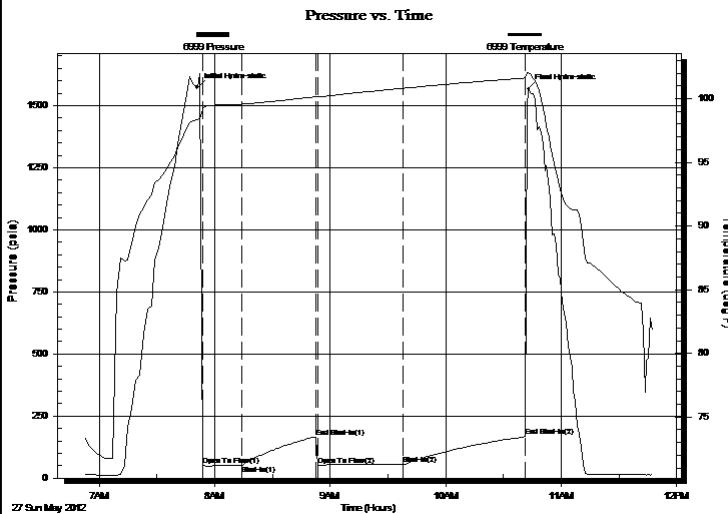
34/16S/14W/Barton
Kingston #4
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 Interval: **3246.00 ft (KB) To 3286.00 ft (KB) (TVD)**
 Total Depth: 3286.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3325 Great Bend/45
 Reference Elevations: 1973.00 ft (KB)
 1966.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6999 Outside
 Press @ Run Depth: 167.12 psia @ 3283.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.05.27 End Date: 2012.05.27 Last Calib.: 2012.05.27
 Start Time: 06:52:00 End Time: 11:47:30 Time On Btm: 2012.05.27 @ 07:51:00
 Time Off Btm: 2012.05.27 @ 10:43:00

TEST COMMENT: 1ST Open 20 Minutes/Good blow/Blow to bottom of bucket of water in 7 1/2 minutes
 1ST Shut In 40 Minutes/No blow back
 2ND Open 45 Minutes/Strong blow/Blow to bottom of bucket of water in 10 seconds
 2ND Shut In 60 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1573.11	98.34	Initial Hydro-static
3	49.89	99.12	Open To Flow (1)
23	51.69	99.58	Shut-In(1)
62	166.64	100.15	End Shut-In(1)
63	51.53	100.14	Open To Flow (2)
107	56.21	100.82	Shut-In(2)
171	167.12	101.62	End Shut-In(2)
172	1568.59	102.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	620 Feet of gas in pipe	0.00
40.00	Slightly gassy oil cut mud	0.58
0.00	Gas 5% Oil 5% Mud 90%	0.00

Gas Rates

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



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TOOL DIAGRAM

LB Exploration Incorporated
 2135 2ND Road
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Tool Information

Drill Pipe:	Length: 3225.00 ft	Diameter: 3.88 inches	Volume: 47.16 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: 60000.00 lb
			<u>Total Volume: 47.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3246.00 ft			Final 35500.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3224.00	
Hydraulic Tool	5.00			3229.00	
Jars	5.00			3234.00	
Safety Joint	2.00			3236.00	
Packer	5.00			3241.00	27.00 Bottom Of Top Packer
Packer	5.00			3246.00	
Anchor	35.00			3281.00	
Recorder	1.00	6749	Inside	3282.00	
Recorder	1.00	6999	Outside	3283.00	
Bullnose	3.00			3286.00	40.00 Bottom Packers & Anchor
Total Tool Length:	67.00				



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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: 11.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	620 Feet of gas in pipe	0.000
40.00	Slightly gassy oil cut mud	0.585
0.00	Gas 5% Oil 5% Mud 90%	0.000

Total Length: 40.00 ft Total Volume: 0.585 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 6749

Inside

LB Exploration Incorporated

Kingston #4

DST Test Number: 2

Pressure vs. Time

