



DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

2717 Canal Blvd Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

Fenwick #1-35

35/21s/16w/Pawnee

Start Date: 2014.02.22 @ 22:00:00

End Date: 2014.02.23 @ 05:00:30

Job Ticket #: 19203 DST #: 1

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

Printed: 2014.02.23 @ 05:42:30

Shelby Resources LLC
35/21s/16w/Pawnee
Fenwick #1-35
DST # 1
LKC "B-D"
2014.02.22



DRILL STEM TEST REPORT

Shelby Resources LLC
 2717 Canal Blvd Suite C
 Hays Ks. 67601
 ATTN: Jeremy Schwartz

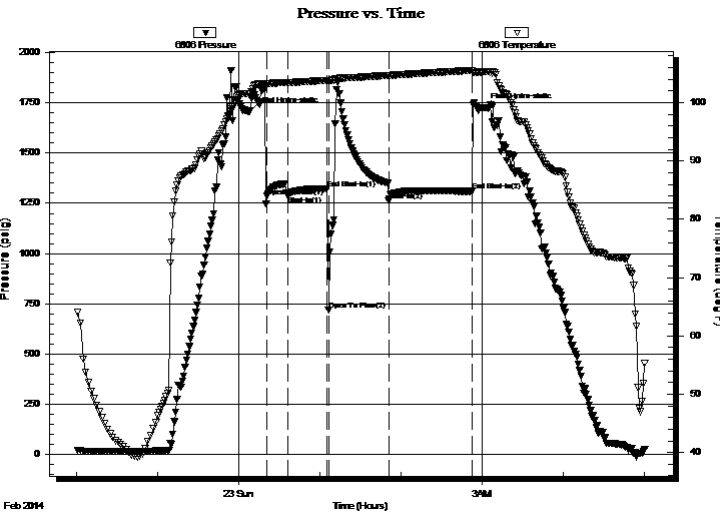
35/21s/16w/Pawnee
Fenwick #1-35
 Job Ticket: 19203 **DST#: 1**
 Test Start: 2014.02.22 @ 22:00:00

GENERAL INFORMATION:

Formation: **LKC "B-D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:21:00
 Time Test Ended: 05:00:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 3330/60/Great Bend
 Interval: **3535.00 ft (KB) To 3563.00 ft (KB) (TVD)**
 Reference Elevations: 1988.00 ft (KB)
 Total Depth: 3535.00 ft (KB) (TVD) 1975.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 13.00 ft

Serial #: 6806 Inside
 Press@RunDepth: 1263.28 psig @ 3559.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.02.22 End Date: 2014.02.23 Last Calib.: 2014.02.23
 Start Time: 22:00:00 End Time: 05:00:30 Time On Btm: 2014.02.23 @ 00:08:30
 Time Off Btm: 2014.02.23 @ 03:01:30

TEST COMMENT: 1st Open/ 15 Minutes. Weak surface blow.
 1st Shut In/ 30 Minutes. No blow back.
 2nd Open/ 45 Minutes. No blow, flushed tool had good flush bubbles and gained a weak surface blow.
 2nd Shut In/ 60 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1708.76	101.56	Initial Hydro-static
13	1284.63	103.20	Open To Flow (1)
28	1285.31	103.44	Shut-In(1)
57	1323.34	103.84	End Shut-In(1)
58	717.41	103.72	Open To Flow (2)
103	1263.28	104.65	Shut-In(2)
164	1310.39	105.54	End Shut-In(2)
173	1726.18	105.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% mud	0.02

Gas Rates

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



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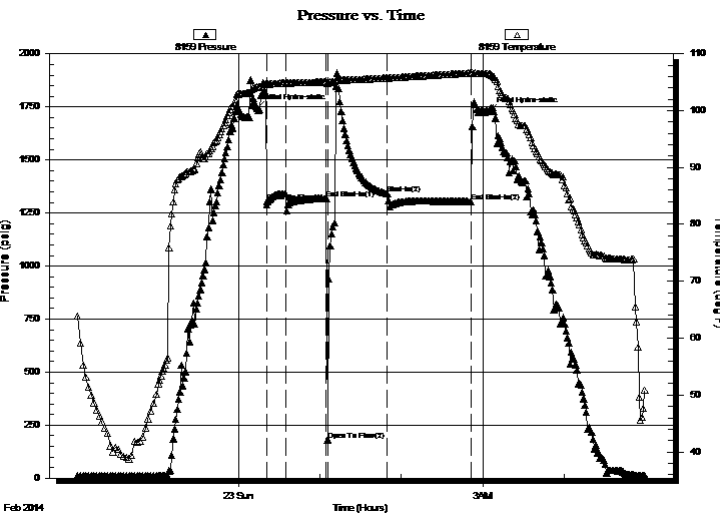
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 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 13.00 ft

Serial #: 8159 Outside
 Press@RunDepth: 1304.38 psig @ 3560.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.02.22 End Date: 2014.02.23 Last Calib.: 2014.02.23
 Start Time: 22:00:00 End Time: 04:59:30 Time On Btm: 2014.02.23 @ 00:13:30
 Time Off Btm: 2014.02.23 @ 03:05:00

TEST COMMENT: 1st Open/ 15 Minutes. Weak surface blow.
 1st Shut In/ 30 Minutes. No blow back.
 2nd Open/ 45 Minutes. No blow, flushed tool had good flush bubbles and gained a weak surface blow.
 2nd Shut In/ 60 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1742.84	104.13	Initial Hydro-static
8	1303.67	104.62	Open To Flow (1)
21	1341.00	104.84	Shut-In(1)
51	1316.45	105.07	End Shut-In(1)
52	180.94	104.79	Open To Flow (2)
96	1340.65	105.73	Shut-In(2)
158	1304.38	106.61	End Shut-In(2)
172	1728.73	106.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% mud	0.02

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources LLC

35/21s/16w/Pawnee

2717 Canal Blvd Suite C
Hays Ks. 67601

Fenwick #1-35

Job Ticket: 19203

DST#: 1

ATTN: Jeremy Schwartz

Test Start: 2014.02.22 @ 22:00:00

Tool Information

Drill Pipe:	Length: 3218.00 ft	Diameter: 3.80 inches	Volume: 45.14 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: 299.19 ft	Diameter: 2.25 inches	Volume: 1.47 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 46.61 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.19 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3535.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Pressures may possibly be inaccurate due to possible issues with the shut in tool.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3512.00	
Hydraulic tool	5.00			3517.00	
Jars	6.00			3523.00	
Safety Joint	2.00			3525.00	
Top Packer	5.00			3530.00	
Packer	5.00			3535.00	28.00 Bottom Of Top Packer
Anchor	23.00			3558.00	
Recorder	1.00	6806	Inside	3559.00	
Recorder	1.00	8159	Outside	3560.00	
Bull Plug	3.00			3563.00	28.00 Anchor Tool
Total Tool Length:	56.00				



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FLUID SUMMARY

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Job Ticket: 19203

DST#: 1

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Test Start: 2014.02.22 @ 22:00:00

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: 62.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 4100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

