



DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

2717 Canal Blvd Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

K-F Unit #1-34

34/17s/14w/Barton

Start Date: 2013.08.31 @ 03:30:00

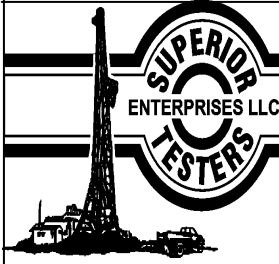
End Date: 2013.08.31 @ 08:06:00

Job Ticket #: 18490 DST #: 5

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

Printed: 2013.08.31 @ 08:30:44

Shelby Resources LLC 34/17s/14w/Barton K-F Unit #1-34 DST # 5 Arbuckle 2013.08.31



DRILL STEM TEST REPORT

Shelby Resources LLC

34/17s/14w/Barton

2717 Canal Blvd Suite C
Hays Ks, 67601

K-F Unit #1-34

Job Ticket: 18490

DST#: 5

ATTN: Jeremy Schwartz

Test Start: 2013.08.31 @ 03:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:47:00

Time Test Ended: 08:06:00

Interval: 3360.00 ft (KB) To 3367.00 ft (KB) (TVD)

Total Depth: 3367.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: 3330/28/Great Bend

Reference Elevations: 1856.00 ft (KB)

1843.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8405 Inside

Press @ Run Depth: 37.02 psia @ 3363.00 ft (KB)

Start Date: 2013.08.31

End Date: 2013.08.31

Start Time: 03:30:00

End Time: 08:06:00

Capacity: 5000.00 psia

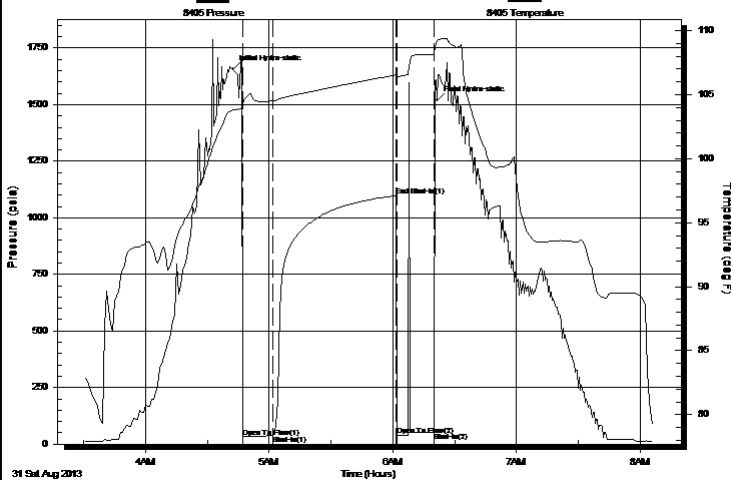
Last Calib.: 2013.08.31

Time On Btm: 2013.08.31 @ 04:42:30

Time Off Btm: 2013.08.31 @ 06:21:30

TEST COMMENT: 1st Open/ 15 Minutes. Weak blow built to 1/4 inch in 5 gallon bucket.
 1st Shut In/ 60 Minutes. No blow back.
 2nd Open/ 15 Minutes. No blow after five minute, flushed tool and gained no blow. Pulled test per geo.
 2nd Shut In/ N/A

Pressure vs. Time



PRESSURE SUMMARY

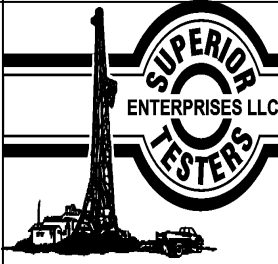
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1654.89	103.81	Initial Hydro-static
5	32.45	104.20	Open To Flow (1)
20	37.02	104.52	Shut-In(1)
79	1098.12	106.55	End Shut-In(1)
80	37.62	106.39	Open To Flow (2)
98	52.18	108.14	Shut-In(2)
99	1518.91	109.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	No gas	0.00
5.00	100% mud.	0.02

Gas Rates

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



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K-F Unit #1-34

Job Ticket: 18490

DST#: 5

ATTN: Jeremy Schwartz

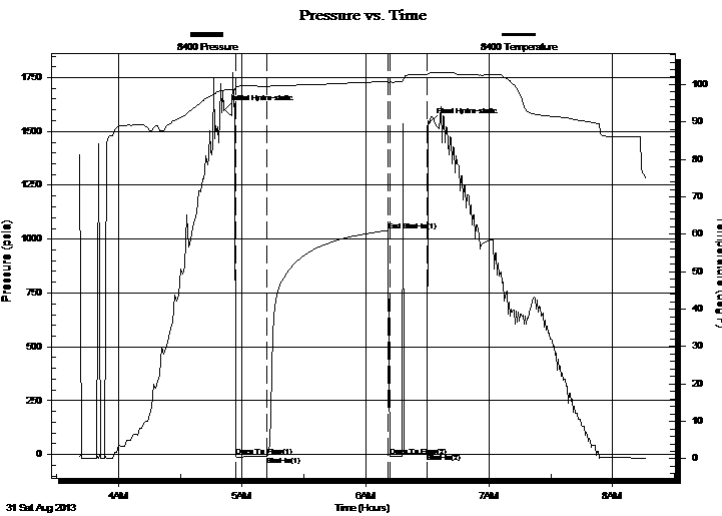
Test Start: 2013.08.31 @ 03:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:47:00
 Time Test Ended: 08:06:00
 Interval: **3360.00 ft (KB) To 3367.00 ft (KB) (TVD)**
 Total Depth: 3367.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 3330/28/Great Bend
 Reference Elevations: 1856.00 ft (KB)
 1843.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8400 Outside
 Press @RunDepth: 1040.28 psia @ 3364.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.08.31 End Date: 2013.08.31 Last Calib.: 2013.08.31
 Start Time: 03:30:00 End Time: 08:16:30 Time On Btm: 2013.08.31 @ 04:51:30
 Time Off Btm: 2013.08.31 @ 06:31:00

TEST COMMENT: 1st Open/ 15 Minutes. Weak blow built to 1/4 inch in 5 gallon bucket.
 1st Shut In/ 60 Minutes. No blow back.
 2nd Open/ 15 Minutes. No blow after five minute, flushed tool and gained no blow . Pulled test per geo.
 2nd Shut In/ N/A



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1601.28	98.55	Initial Hydro-static
6	-9.89	99.09	Open To Flow (1)
21	-9.67	99.55	Shut-In(1)
80	1040.28	100.88	End Shut-In(1)
81	-6.79	100.67	Open To Flow (2)
99	4.32	102.64	Shut-In(2)
100	1540.51	103.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	No gas	0.00
5.00	100% mud.	0.02

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources LLC

34/17s/14w/Barton

2717 Canal Blvd Suite C
Hays Ks, 67601

K-F Unit #1-34

Job Ticket: 18490

DST#: 5

ATTN: Jeremy Schwartz

Test Start: 2013.08.31 @ 03:30:00

Tool Information

Drill Pipe:	Length: 3018.00 ft	Diameter: 3.80 inches	Volume: 42.33 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: 329.68 ft	Diameter: 2.25 inches	Volume: 1.62 bbl	Weight to Pull Loose: 92000.00 lb
			<u>Total Volume: 43.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.68 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3360.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	7.00 ft			
Tool Length:	36.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3332.00	
Shut-In Tool	5.00			3337.00	
Hydroic Tool	5.00			3342.00	
Jars	6.00			3348.00	
Safety Joint	2.00			3350.00	
Packer	5.00			3355.00	29.00 Bottom Of Top Packer
Packer	5.00			3360.00	
Perforations	2.00			3362.00	
Recorder	1.00	8405	Inside	3363.00	
Recorder	1.00	8400	Outside	3364.00	
Bullnose	3.00			3367.00	7.00 Bottom Packers & Anchor

Total Tool Length: 36.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

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DST#: 5

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Test Start: 2013.08.31 @ 03:30:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 63.00 sec/qt
Water Loss: 12.00 in³
Resistivity: ohm.m
Salinity: 9100.00 ppm
Filter Cake: 2.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psia

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	No gas	0.000
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:

Pressure vs. Time

