



DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

2717 Canal BLVD.
Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

Nancy #2-17

17/17s/13w/Barton

Start Date: 2013.10.24 @ 07:32:00

End Date: 2013.10.24 @ 12:10:00

Job Ticket #: 18509 DST #: 4

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

Printed: 2013.10.24 @ 12:24:38



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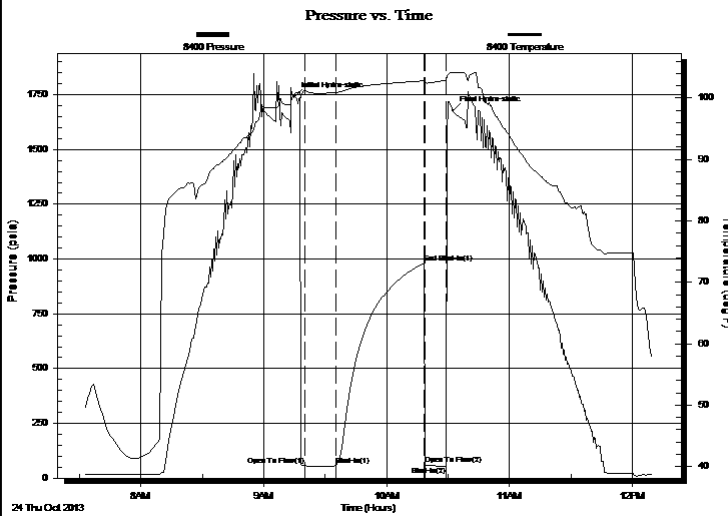
17/17s/13w/Barton
Nancy #2-17
 Job Ticket: 18509 **DST#: 4**
 Test Start: 2013.10.24 @ 07:32:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 09:20:00
 Tester: Shane Konzem
 Time Test Ended: 12:10:00
 Unit No: 3330/30/Great Bend
 Interval: **3449.00 ft (KB) To 3485.00 ft (KB) (TVD)**
 Reference Elevations: 1997.00 ft (KB)
 Total Depth: 3485.00 ft (KB) (TVD)
 1984.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Poor
 KB to GR/CF: 13.00 ft

Serial #: 8400 Inside
 Press @ RunDepth: 58.82 psia @ 3481.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.10.24 End Date: 2013.10.24 Last Calib.: 2013.10.24
 Start Time: 07:32:00 End Time: 12:10:00 Time On Btm: 2013.10.24 @ 09:15:00
 Time Off Btm: 2013.10.24 @ 10:32:30

TEST COMMENT: 1st Open/ 15 Minutes. Weak surface blow .
 1st Shut In/ 45 Minutes. No blow back.
 2nd Open/ 20 Minutes. No blow , 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	1740.84	100.71	Initial Hydro-static
5	57.09	101.25	Open To Flow (1)
20	58.82	100.93	Shut-In(1)
64	981.62	102.81	End Shut-In(1)
64	61.72	102.47	Open To Flow (2)
74	52.61	102.93	Shut-In(2)
78	1677.75	104.17	Final Hydro-static

Recovery

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

Gas Rates

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



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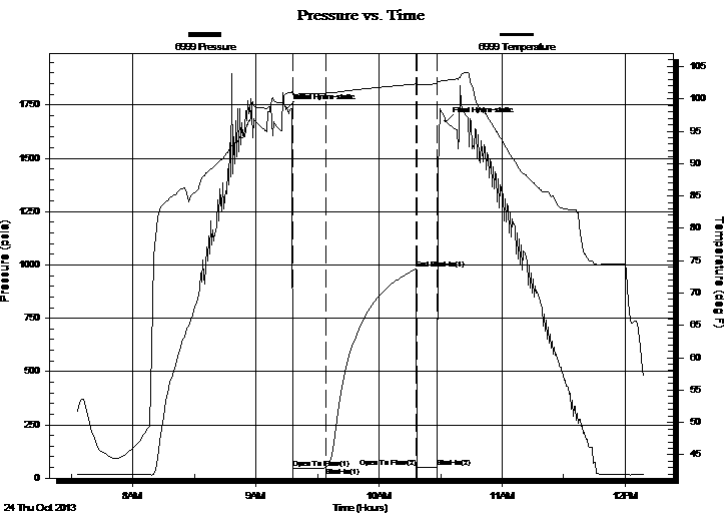
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 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 3330/30/Great Bend
 Reference Elevations: 1997.00 ft (KB)
 1984.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6999 Outside
 Press @ RunDepth: 981.19 psia @ 3482.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.10.24 End Date: 2013.10.24 Last Calib.: 2013.10.24
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 1st Shut In/ 45 Minutes. No blow back.
 2nd Open/ 20 Minutes. No blow, 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	1732.91	100.86	Initial Hydro-static
3	46.87	100.74	Open To Flow (1)
19	50.92	100.88	Shut-In(1)
63	981.19	102.30	End Shut-In(1)
64	49.22	101.97	Open To Flow (2)
74	49.50	102.34	Shut-In(2)
78	1672.11	102.88	Final Hydro-static

Recovery

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

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: 3122.00 ft	Diameter: 3.80 inches	Volume: 43.79 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: 329.44 ft	Diameter: 2.25 inches	Volume: 1.62 bbl	Weight to Pull Loose: 84000.00 lb
			<u>Total Volume: 45.41 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.44 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3449.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	65.00 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			3421.00	
Shut-In Tool	5.00			3426.00	
Hydroic Tool	5.00			3431.00	
Jars	6.00			3437.00	
Safety Joint	2.00			3439.00	
Packer	5.00			3444.00	29.00 Bottom Of Top Packer
Packer	5.00			3449.00	
Perforations	31.00			3480.00	
Recorder	1.00	8400	Inside	3481.00	
Recorder	1.00	6999	Outside	3482.00	
Bullnose	3.00			3485.00	36.00 Bottom Packers & Anchor

Total Tool Length: 65.00



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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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6700.00 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:

