



DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

2717 Canal Blvd. Suite C
Hays Kansas 67601

ATTN: Keith Reavis

Beren Trust 2-9

9-17s-14w-Barton

Start Date: 2012.07.02 @ 05:27:00

End Date: 2012.07.02 @ 12:19:00

Job Ticket #: 17691 DST #: 1

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

Printed: 2012.07.02 @ 10:34:02



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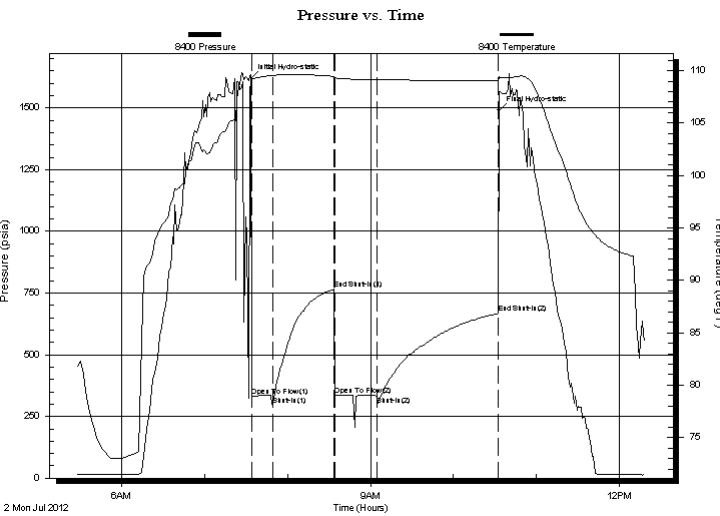
9-17s-14w-Barton
Beren Trust 2-9
 Job Ticket: 17691 **DST#: 1**
 Test Start: 2012.07.02 @ 05:27:00

GENERAL INFORMATION:

Formation: **Lansing D-F**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 07:34:00 Tester: Dustin Ellis
 Time Test Ended: 12:19:00 Unit No: 3315-Great Bend-42
 Interval: **3270.00 ft (KB) To 3295.00 ft (KB) (TVD)** Reference Elevations: 1970.00 ft (KB)
 Total Depth: 3295.00 ft (KB) (TVD) 1961.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8400 Outside
 Press @ RunDepth: 294.09 psia @ 3292.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.07.02 End Date: 2012.07.02 Last Calib.: 2012.07.02
 Start Time: 05:27:00 End Time: 12:19:00 Time On Btm: 2012.07.02 @ 07:33:30
 Time Off Btm: 2012.07.02 @ 10:33:00

TEST COMMENT: 1st Open 15 minutes Weak surface blow
 1st Shut in 45 minutes No blow back
 2nd Open 30 minutes Very weak blow after 10 minutes died. Flushed no help.
 2nd Shut in 90 minutes No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1620.43	109.60	Initial Hydro-static
1	332.99	109.19	Open To Flow (1)
16	295.22	109.53	Shut-In(1)
60	766.49	109.47	End Shut-In(1)
61	336.93	109.24	Open To Flow (2)
92	294.09	109.10	Shut-In(2)
179	667.62	109.02	End Shut-In(2)
180	1490.51	109.48	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
540.00	Mud 100%	5.64

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



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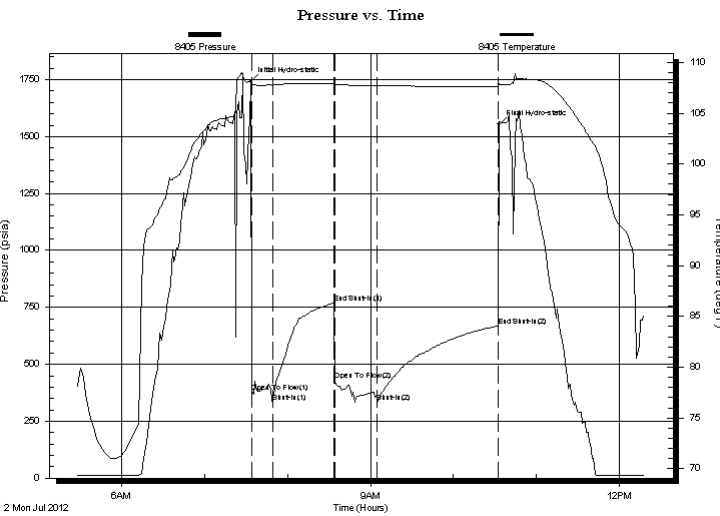
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Serial #: 8405 Inside
 Press @ Run Depth: 668.42 psia @ 3291.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.07.02 End Date: 2012.07.02 Last Calib.: 2012.07.02
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 1st Shut in 45 minutes No blow back
 2nd Open 30 minutes Very weak blow after 10 minutes died. Flushed no help.
 2nd Shut in 90 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1741.90	108.11	Initial Hydro-static
1	375.72	107.86	Open To Flow (1)
16	334.40	107.78	Shut-In(1)
60	768.47	107.91	End Shut-In(1)
61	429.83	107.83	Open To Flow (2)
92	332.37	107.68	Shut-In(2)
179	668.42	107.62	End Shut-In(2)
180	1552.79	107.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
540.00	Mud 100%	5.64

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: 3062.00 ft	Diameter: 3.80 inches	Volume: 42.95 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: 211.91 ft	Diameter: 2.25 inches	Volume: 1.04 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 43.99 bbl</u>	Tool Chased 8.00 ft
Drill Pipe Above KB:	31.91 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3270.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 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			3247.00	
Hydraulic Tool	5.00			3252.00	
Jars	6.00			3258.00	
Safety Joint	2.00			3260.00	
Packer	5.00			3265.00	28.00 Bottom Of Top Packer
Packer	5.00			3270.00	
Anchor	20.00			3290.00	
Recorder	1.00	8405	Inside	3291.00	
Recorder	1.00	8400	Outside	3292.00	
Bull Plug	3.00			3295.00	25.00 Bottom Packers & Anchor
Total Tool Length:	53.00				



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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: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 3500.00 ppm			
Filter Cake: 1.00 inches			

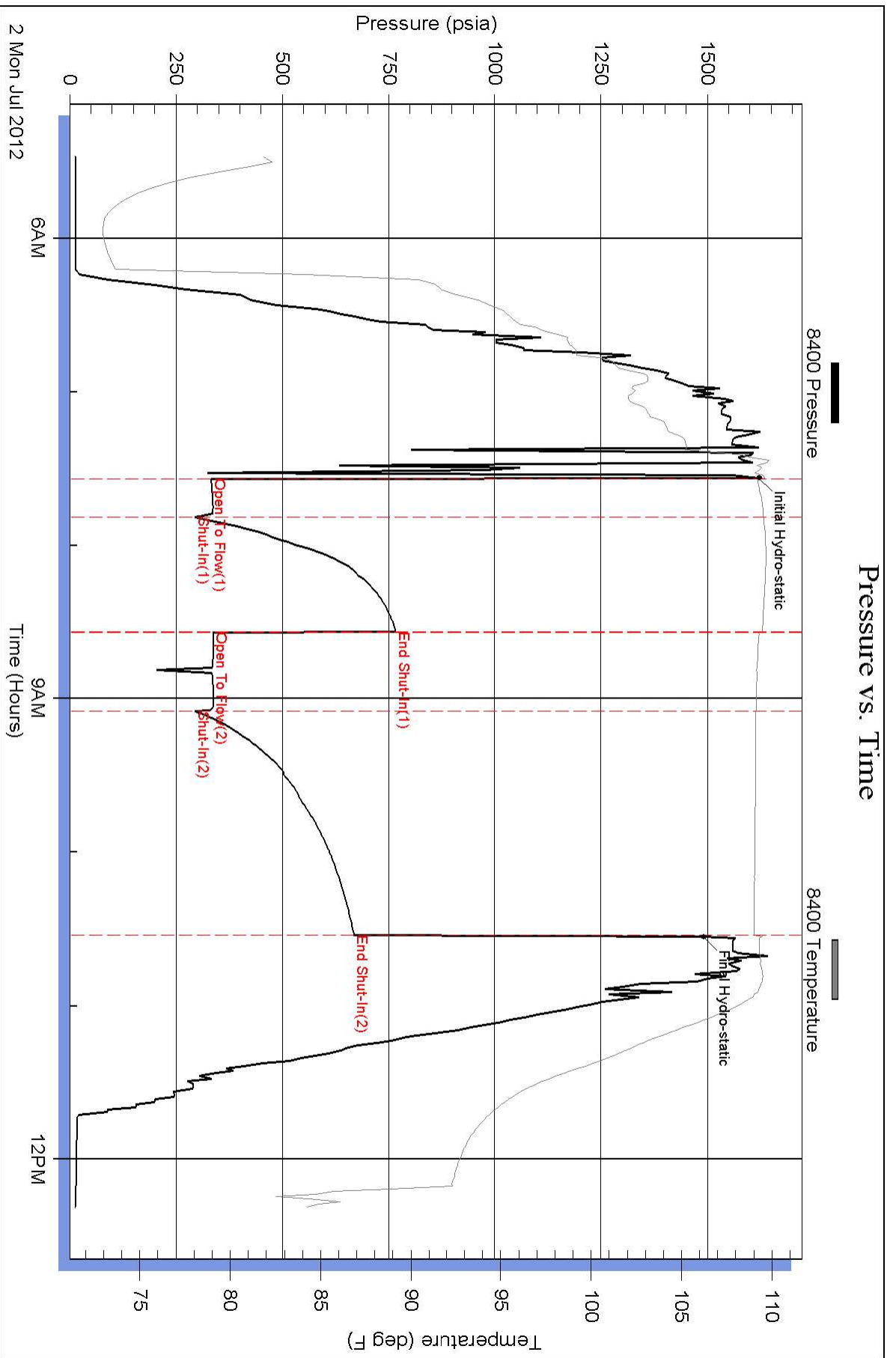
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
540.00	Mud 100%	5.644

Total Length: 540.00 ft Total Volume: 5.644 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time



Pressure vs. Time

