



DRILL STEM TEST REPORT

Prepared For: **Caerus Kansas LLC**

1390 East 8th Street Suite B
Hays Kansas 67601

ATTN: Justin Carter

Benton 1-42

1-18s-14w-Barton

Start Date: 2012.07.09 @ 12:31:00

End Date: 2012.07.09 @ 18:55:00

Job Ticket #: 17699 DST #: 5

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

Printed: 2012.07.09 @ 05:11:51



DRILL STEM TEST REPORT

Caerus Kansas LLC
 1390 East 8th Street Suite B
 Hays Kansas 67601
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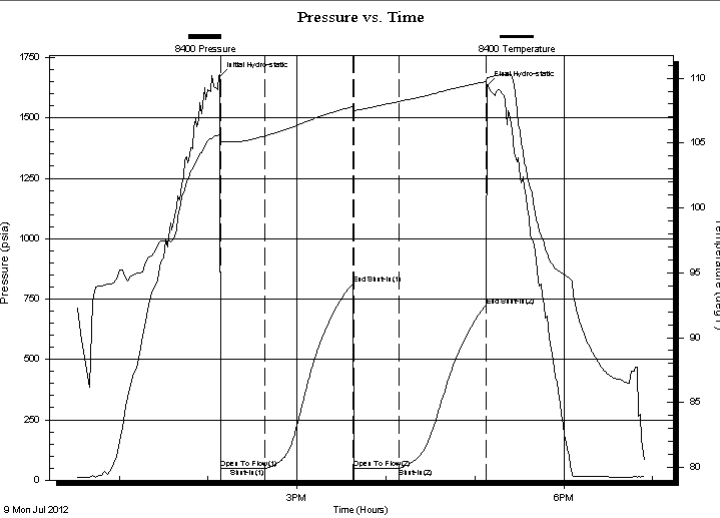
1-18s-14w-Barton
Benton 1-42
 Job Ticket: 17699 **DST#: 5**
 Test Start: 2012.07.09 @ 12:31:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:08:30
 Time Test Ended: 18:55:00
 Interval: **3298.00 ft (KB) To 3338.00 ft (KB) (TVD)**
 Total Depth: 3338.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-22
 Reference Elevations: 1838.00 ft (KB)
 1828.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8400 Outside
 Press @ RunDepth: 49.58 psia @ 3335.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.07.09 End Date: 2012.07.09 Last Calib.: 2012.07.09
 Start Time: 12:31:00 End Time: 18:55:00 Time On Btm: 2012.07.09 @ 14:08:00
 Time Off Btm: 2012.07.09 @ 17:08:30

TEST COMMENT: 1st Open 30 minutes Weak surface blow
 1st Shut in 60 No blow back
 2nd Open 30 minutes No blow dead
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1673.20	105.67	Initial Hydro-static
1	48.69	105.14	Open To Flow (1)
31	47.87	105.55	Shut-In(1)
90	813.40	107.81	End Shut-In(1)
91	48.63	107.53	Open To Flow (2)
121	49.58	108.20	Shut-In(2)
180	723.02	109.73	End Shut-In(2)
181	1633.57	110.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil cut mud 1% Oil 99% Mud	0.07
1.00	Clean oil 100%	0.01

Gas Rates

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



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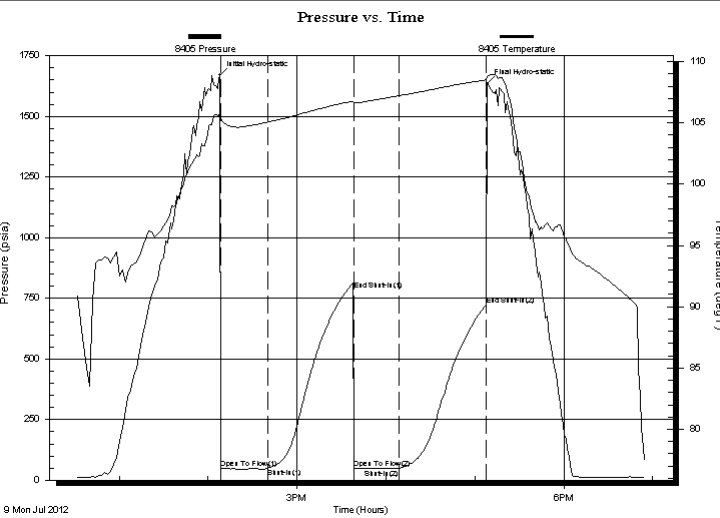
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 1828.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8405 Inside
 Press @ Run Depth: 721.96 psia @ 3334.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.07.09 End Date: 2012.07.09 Last Calib.: 2012.07.09
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TEST COMMENT: 1st Open 30 minutes Weak surface blow
 1st Shut in 60 No blow back
 2nd Open 30 minutes No blow dead
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1669.98	105.76	Initial Hydro-static
1	46.96	105.40	Open To Flow (1)
33	49.70	105.06	Shut-In(1)
90	786.18	106.77	End Shut-In(1)
91	47.22	106.63	Open To Flow (2)
121	46.76	107.21	Shut-In(2)
180	721.96	108.50	End Shut-In(2)
181	1635.01	108.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil cut mud 1% Oil 99% Mud	0.07
1.00	Clean oil 100%	0.01

Gas Rates

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



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TOOL DIAGRAM

Caerus Kansas LLC
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 Hays Kansas 67601
 ATTN: Justin Carter

1-18s-14w-Barton
Benton 1-42
 Job Ticket: 17699 **DST#: 5**
 Test Start: 2012.07.09 @ 12:31:00

Tool Information

Drill Pipe:	Length: 3298.00 ft	Diameter: 3.80 inches	Volume: 46.26 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: 55000.00 lb
			<u>Total Volume: 46.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3298.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	68.00 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			3275.00	
Hydraulic Tool	5.00			3280.00	
Jars	6.00			3286.00	
Safety Joint	2.00			3288.00	
Packer	5.00			3293.00	28.00 Bottom Of Top Packer
Packer	5.00			3298.00	
Anchor	35.00			3333.00	
Recorder	1.00	8405	Inside	3334.00	
Recorder	1.00	8400	Outside	3335.00	
Bull Plug	3.00			3338.00	40.00 Bottom Packers & Anchor
Total Tool Length:	68.00				



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FLUID SUMMARY

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Job Ticket: 17699

DST#: 5

ATTN: Justin Carter

Test Start: 2012.07.09 @ 12:31:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 52.00 sec/qt
Water Loss: 7.99 in³
Resistivity: ohm.m
Salinity: 5000.00 ppm
Filter Cake: 1.00 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
5.00	Oil cut mud 1%Oil 99%Mud	0.070
1.00	Clean oil 100%	0.014

Total Length: 6.00 ft Total Volume: 0.084 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

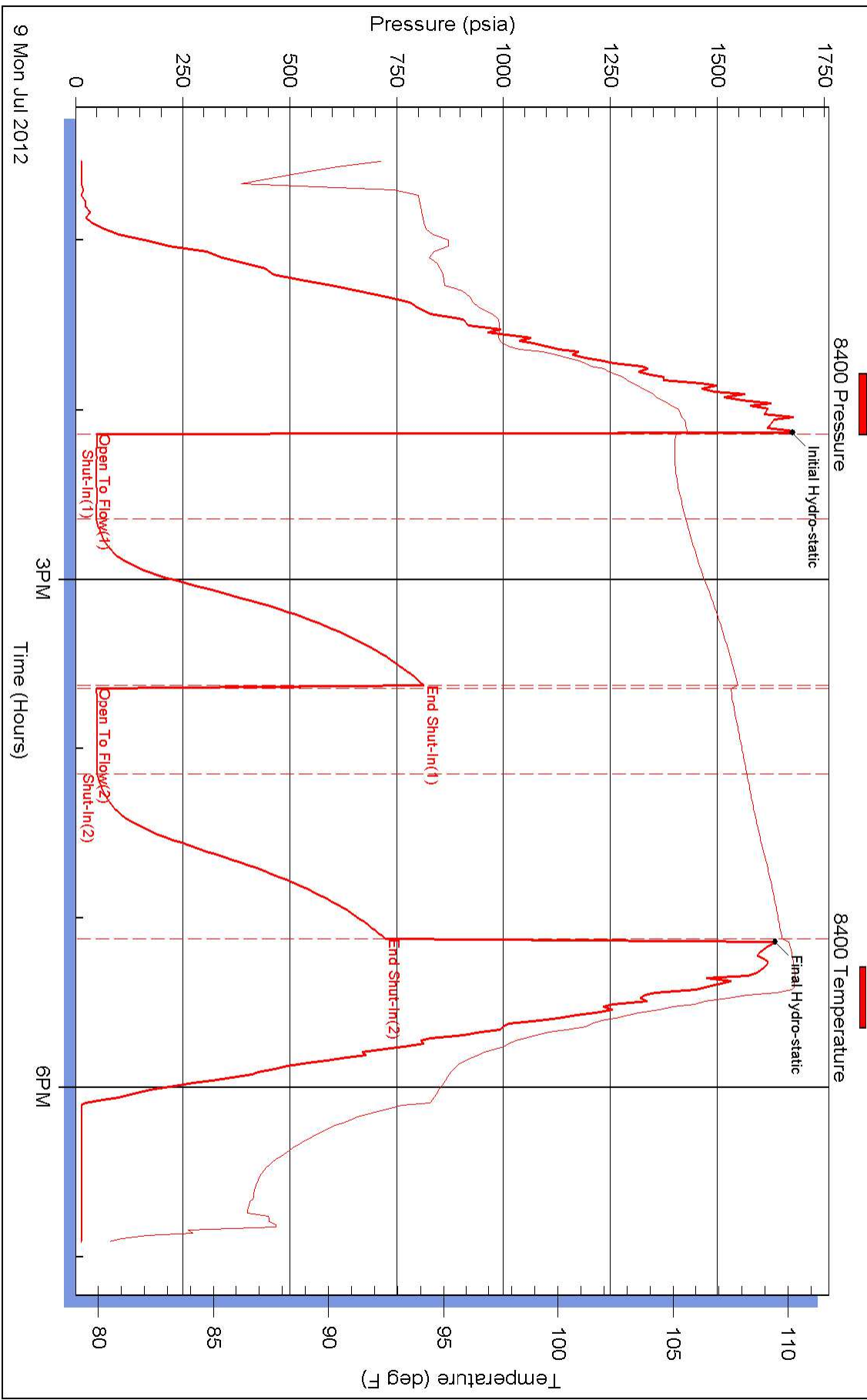
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time

