



## DRILL STEM TEST REPORT

Prepared For: **Carrie Exploration**

210 West 22nd Hays Kansas  
67601

ATTN: Herb

**John Roth C3**

**34-19s-11w-Barton**

Start Date: 2012.11.27 @ 05:03:00

End Date: 2012.11.27 @ 11:54:00

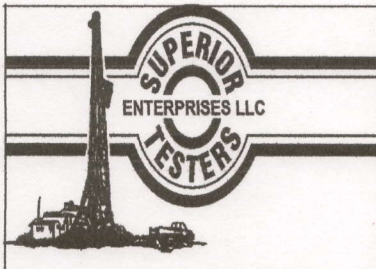
Job Ticket #: 17874                      DST #: 2

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

Printed: 2012.11.27 @ 22:10:11

Carrie Exploration    34-19s-11w-Barton    John Roth C3    DST # 2    Lansing D-F    2012.11.27





# DRILL STEM TEST REPORT

Carrie Exploration  
 210 West 22nd Hays Kansas  
 67601  
 ATTN: Herb

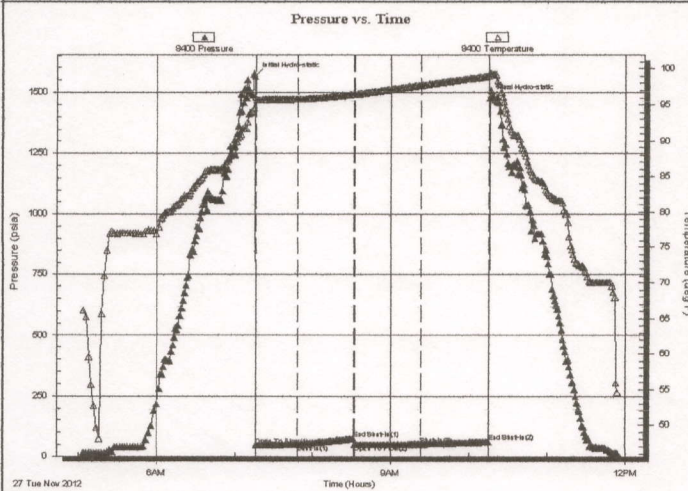
**34-19s-11w-Barton**  
**John Roth C3**  
 Job Ticket: 17874      **DST#: 2**  
 Test Start: 2012.11.27 @ 05:03:00

## GENERAL INFORMATION:

Formation: **Lansing D-F**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:16:00  
 Time Test Ended: 11:54:00  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Dustin Ellis  
 Unit No: 3315-Great Bend-25  
 Interval: **3088.00 ft (KB) To 3135.00 ft (KB) (TVD)**  
 Total Depth: 3135.00 ft (KB) (TVD)  
 Reference Elevations: 1785.00 ft (KB)  
 1777.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 KB to GR/CF: 8.00 ft

**Serial #: 8400 Inside**  
 Press@RunDepth: 61.73 psia @ 3132.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2012.11.27 End Date: 2012.11.27 Last Calib.: 2012.11.27  
 Start Time: 05:03:00 End Time: 11:54:00 Time On Btmr: 2012.11.27 @ 07:15:30  
 Time Off Btmr: 2012.11.27 @ 10:15:30

**TEST COMMENT:** 1st Open 30 minutes Fair blow blew 1 inch. into the bucket.  
 1st Shut in 45 minutes No blow back  
 2nd Open 45 minutes Weak surface blow died off.  
 2nd Shut in 60 minutes No blow back



## PRESSURE SUMMARY

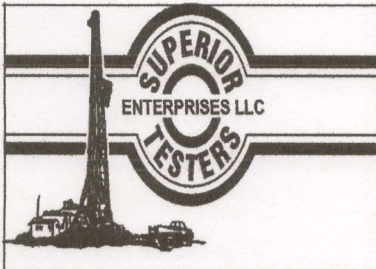
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1566.31	96.08	Initial Hydro-static
1	46.71	95.72	Open To Flow (1)
33	49.45	95.78	Shut-In(1)
76	74.43	96.47	End Shut-In(1)
77	48.78	96.49	Open To Flow (2)
127	51.75	97.72	Shut-In(2)
180	61.73	99.00	End Shut-In(2)
180	1477.58	99.42	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
18.00	Mud 100%	0.25

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Carrie Exploration

**34-19s-11w-Barton**

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ATTN: Herb

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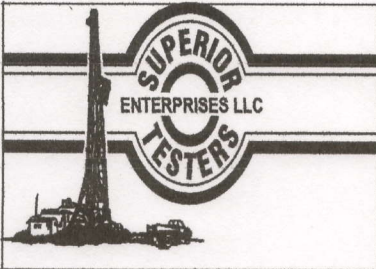
**Tool Information**

Drill Pipe:	Length: 3077.00 ft	Diameter: 3.80 inches	Volume: 43.16 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: 45000.00 lb
			<u>Total Volume: 43.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3088.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	67.00 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			3073.00	
Hydraulic Tool	5.00			3078.00	
Packer	5.00			3083.00	20.00 Bottom Of Top Packer
Packer	5.00			3088.00	
Anchor	42.00			3130.00	
Recorder	1.00	6663	Outside	3131.00	
Recorder	1.00	8400	Inside	3132.00	
Bull Plug	3.00			3135.00	47.00 Bottom Packers & Anchor

**Total Tool Length: 67.00**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Carrie Exploration

**34-19s-11w-Barton**

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**John Roth C3**

Job Ticket: 17874

**DST#: 2**

ATTN: Herb

Test Start: 2012.11.27 @ 05:03:00

### 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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.60 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
18.00	Mud 100%	0.252

Total Length: 18.00 ft      Total Volume: 0.252 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

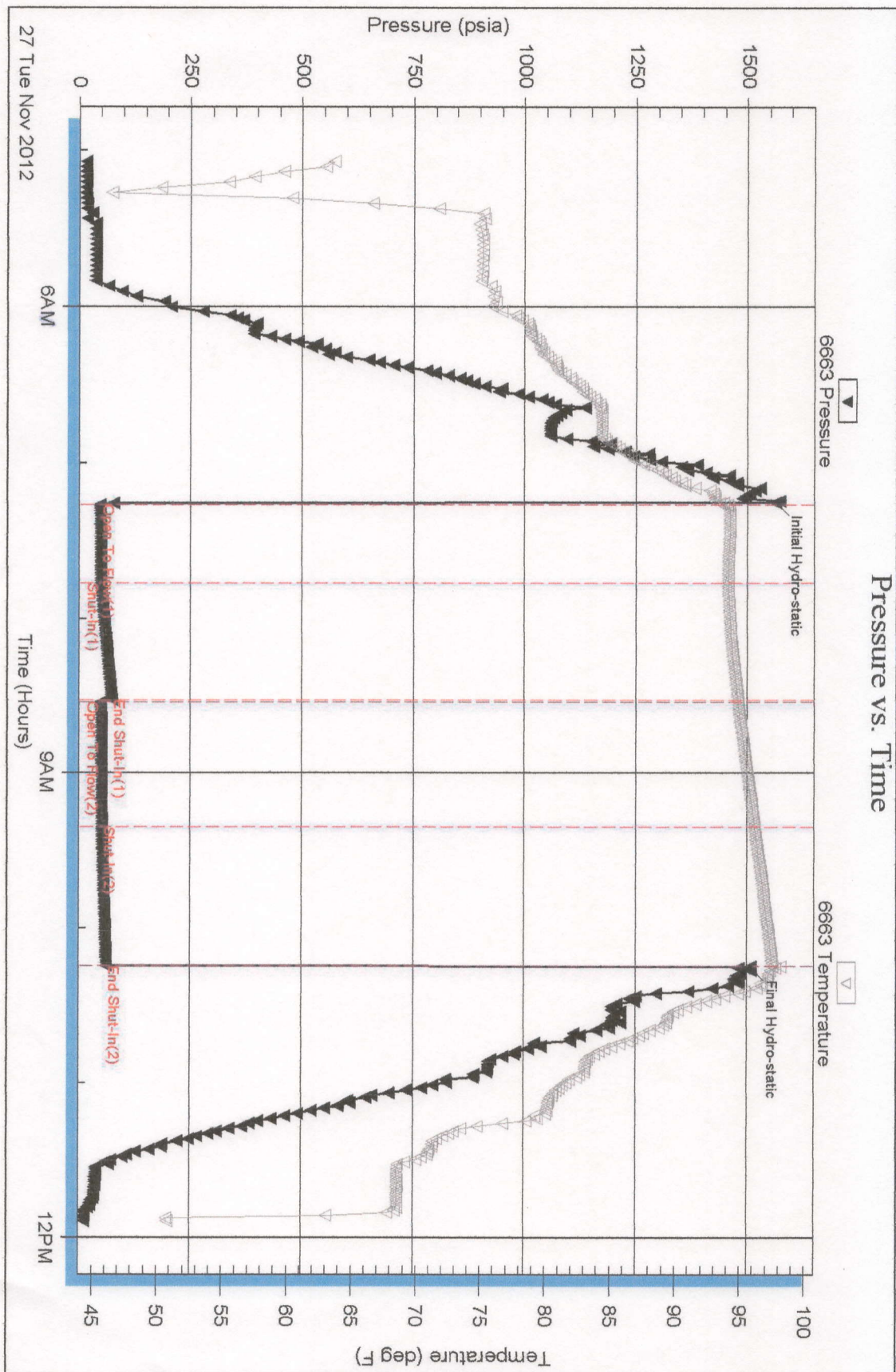
Serial #: 6663

Outside

Carrie Exploration

John Roth C3

DST Test Number: 2



Superior Testers Enterprises LLC

Ref. No: 17874

Printed: 2012.11.27 @ 22:10:12

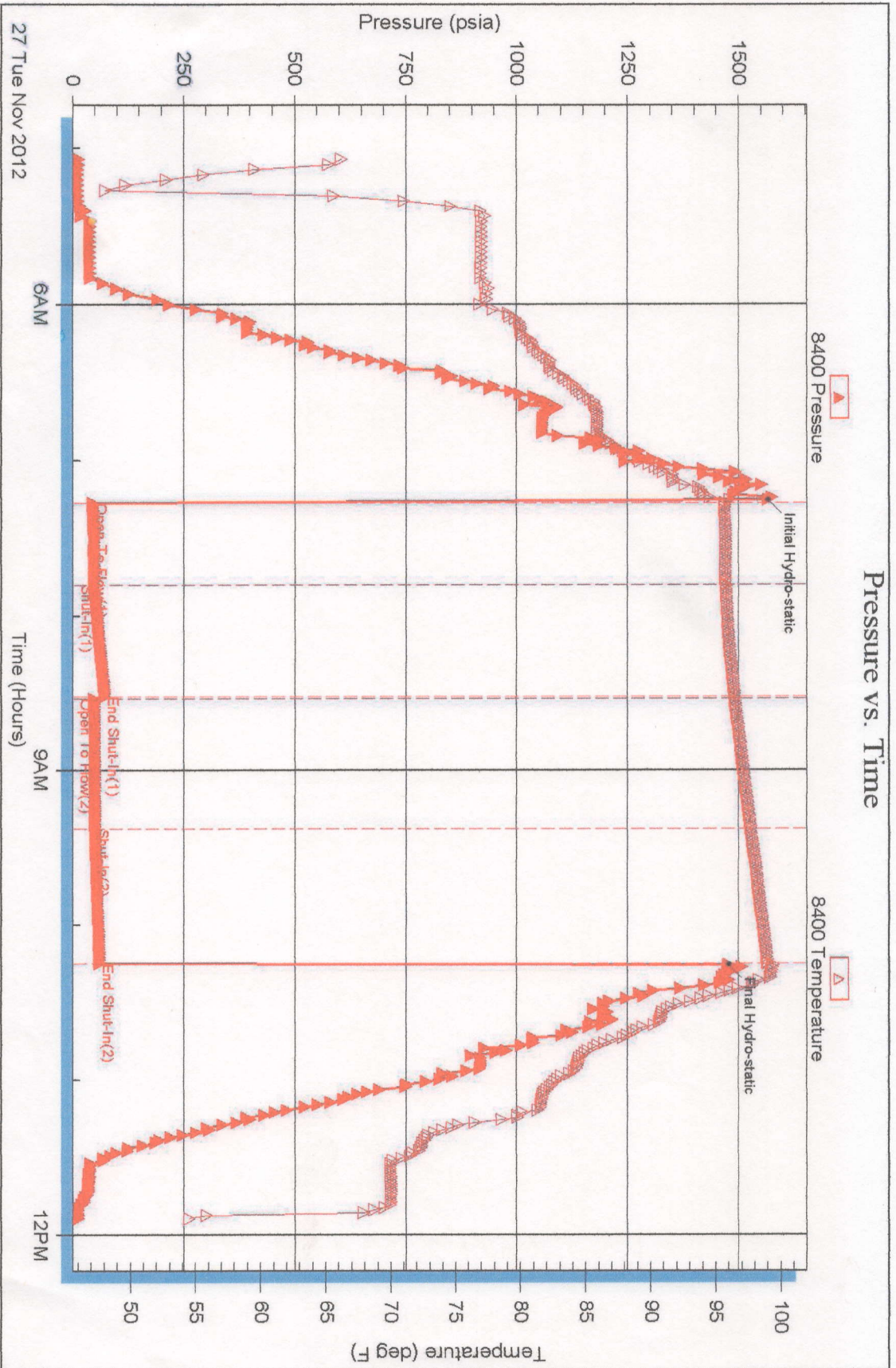
Serial #: 8400

Inside

Carrie Exploration

John Roth C3

DST Test Number: 2



27 Tue Nov 2012

6AM

9AM

12PM

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