



DRILL STEM TEST REPORT

Prepared For: **Carrie Exploration & Development & General Partner**
210 W 22nd Hays KS 67601

ATTN: Herb Deines

Peace Creek C-1

25-22s-10w Reno

Start Date: 2013.10.27 @ 06:35:00

End Date: 2013.10.27 @ 13:26:00

Job Ticket #: 18450 DST #: 1

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

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Peace Creek C-1

Job Ticket: 18450

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Test Start: 2013.10.27 @ 06:35:00

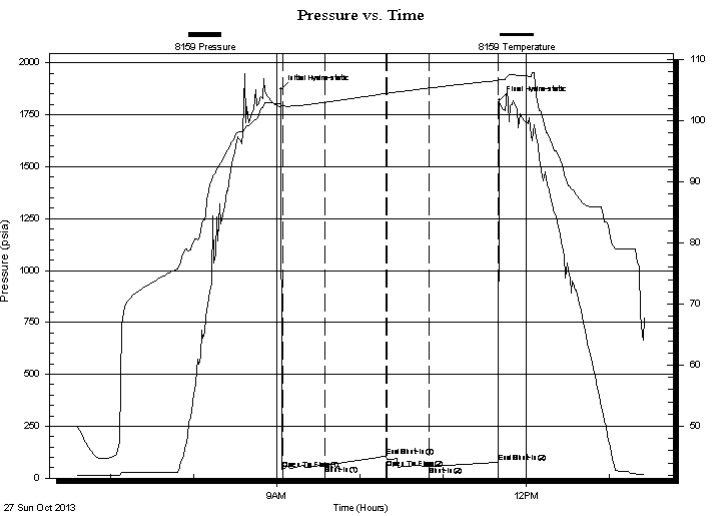
GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 09:04:00 Tester: Jared Scheck
 Time Test Ended: 13:26:00 Unit No: 3320-Great Bend-
 Interval: **3681.00 ft (KB) To 3704.00 ft (KB) (TVD)** Reference Elevations: 1750.00 ft (KB)
 Total Depth: 3704.00 ft (KB) (TVD) 1740.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8159

Press@RunDepth: 54.82 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.10.27 End Date: 2013.10.27 Last Calib.: 2013.10.27
 Start Time: 06:35:00 End Time: 13:26:00 Time On Btm: 2013.10.27 @ 09:03:00
 Time Off Btm: 2013.10.27 @ 11:40:30

TEST COMMENT: 1st Opening 30 Minutes-Weak surface blow built 1/2 inch into bucket w water in 30 minutes
 1st Shut-in 45 Minutes-No blow back
 2nd Opening 30 Minutes-Weak surface blow built 1/2 inch into w ater in 30 minutes
 2nd Shut-in 45 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1872.08	102.78	Initial Hydro-static
1	43.69	102.42	Open To Flow (1)
32	62.18	102.96	Shut-In(1)
76	105.74	104.41	End Shut-In(1)
77	88.20	104.43	Open To Flow (2)
107	54.82	105.30	Shut-In(2)
157	76.72	106.53	End Shut-In(2)
158	1819.00	106.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	spot oil cut mud 1%oil 99%mud	0.35

Gas Rates

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

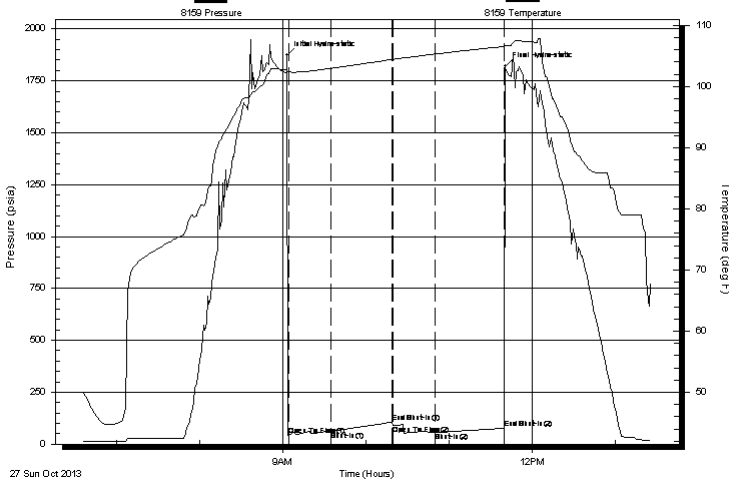
Recovery Table

Length

Description

Volume

Pressure vs. Time





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TOOL DIAGRAM

Carrie Exploration & Development & General Partnership
210 W 22nd Hays KS 67601

25-22s-10w Reno

Peace Creek C-1

Job Ticket: 18450

DST#: 1

ATTN: Herb Deines

Test Start: 2013.10.27 @ 06:35:00

Tool Information

Drill Pipe:	Length: 3692.00 ft	Diameter: 3.80 inches	Volume: 51.79 bbl	Tool Weight: 1000.00 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: 56000.00 lb
			<u>Total Volume: 51.79 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3681.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: ruined packer

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			3666.00	
Hydrolic Tool	5.00			3671.00	
Packer	5.00			3676.00	20.00 Bottom Of Top Packer
Packer	5.00			3681.00	
Anchor	18.00			3699.00	
Recorder	1.00		Inside	3700.00	
Recorder	1.00		Outside	3701.00	
Bullnose	3.00			3704.00	23.00 Bottom Packers & Anchor

Total Tool Length: 43.00



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FLUID SUMMARY

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25-22s-10w Reno

Peace Creek C-1

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DST#: 1

ATTN: Herb Deines

Test Start: 2013.10.27 @ 06:35:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 37.00 sec/qt
Water Loss: in³
Resistivity: ohm.m
Salinity: 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
25.00	spot oil cut mud 1%oil 99%mud	0.351

Total Length: 25.00 ft Total Volume: 0.351 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: ruined packer

Serial #: 8159

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Peace Creek C-1

DST Test Number: 1

Pressure vs. Time

