



DRILL STEM TEST REPORT

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

ATTN:

Lundgren #c-2

25-19-11 Barton

Start Date: 2012.07.12 @ 11:40:00

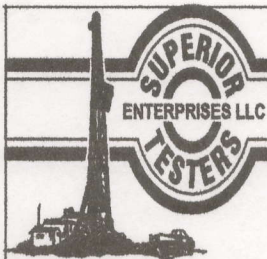
End Date: 2012.07.12 @ 16:50:00

Job Ticket #: 17362 DST #: 1

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

Printed: 2012.07.12 @ 17:08:18

Carrie Exploration & Development & General Partnership
25-19-11 Barton
Lundgren #c-2
DST # 1
Lansing a,b,c,d,e,f,
2012.07.12



DRILL STEM TEST REPORT

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

25-19-11 Barton

Lundgren #c-2

Job Ticket: 17362

DST#: 1

ATTN:

Test Start: 2012.07.12 @ 11:40:00

GENERAL INFORMATION:

Formation: **Lansing a,b,c,d,e,f,**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 13:07:30

Time Test Ended: 16:50:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-80

Interval: **3052.00 ft (KB) To 3150.00 ft (KB) (TVD)**

Total Depth: **3150.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1778.00 ft (KB)**

1769.00 ft (CF)

KB to GRV/CF: **9.00 ft**

Serial #: 6731

Press@RunDepth: **76.69 psia @ ft (KB)**

Start Date: **2012.07.12**

End Date: **2012.07.12**

Capacity: **5000.00 psia**

Last Calib.: **2012.07.12**

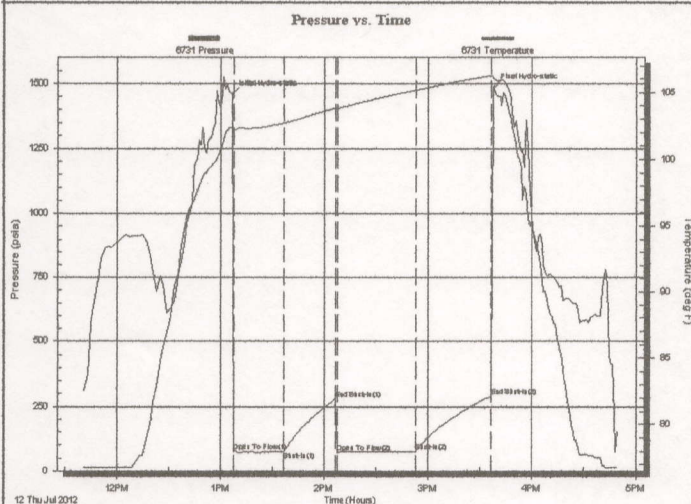
Start Time: **11:40:00**

End Time: **16:50:00**

Time On Btm: **2012.07.12 @ 13:06:30**

Time Off Btm: **2012.07.12 @ 15:38:00**

TEST COMMENT: 1st Opening 30 Minutes-Fair blow built bottom of bucket in 7 minutes
1st Shut-in 30 Minutes-No blow back
2nd Opening 45 Minutes-Strong blow built bottom of bucket in 1 minutes
2nd Shut-in 45 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1458.69	102.36	Initial Hydro-static
1	72.98	102.20	Open To Flow (1)
30	73.95	102.71	Shut-In(1)
60	277.69	103.82	End Shut-In(1)
61	72.44	103.80	Open To Flow (2)
106	76.69	105.17	Shut-In(2)
150	290.45	106.25	End Shut-In(2)
152	1486.04	105.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	gassy oil cut mud 5%gas 5%oil 90%mud	0.42
0.00	960 gas in pipe	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

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

25-19-11 Barton

Lundgren #c-2

Job Ticket: 17362

DST#: 1

ATTN:

Test Start: 2012.07.12 @ 11:40:00

Tool Information

Drill Pipe:	Length: 3052.00 ft	Diameter: 3.80 inches	Volume: 42.81 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: 45000.00 lb
			Total Volume: 42.81 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3052.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	98.00 ft			
Tool Length:	118.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3037.00	
Hydrolic Tool	5.00			3042.00	
Packer	5.00			3047.00	20.00 Bottom Of Top Packer
Packer	5.00			3052.00	
Anchor	0.00			3052.00	
Change Over Sub	0.75			3052.75	
Drill Pipe	63.50		Outside	3116.25	
Change Over Sub	0.75		Outside	3117.00	
Anchor	28.00			3145.00	
Recorder	1.00		Inside	3146.00	
Recorder	1.00		Outside	3147.00	
Bullnose	3.00			3150.00	98.00 Bottom Packers & Anchor

Total Tool Length: 118.00



DRILL STEM TEST REPORT

FLUID SUMMARY

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

25-19-11 Barton

Lundgren #c-2

Job Ticket: 17362

DST#: 1

ATTN:

Test Start: 2012.07.12 @ 11:40:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 45.00 sec/qt
Water Loss: 10.80 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
30.00	gassy oil cut mud 5%gas 5%oil 90%mud	0.421
0.00	960 gas in pipe	0.000

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

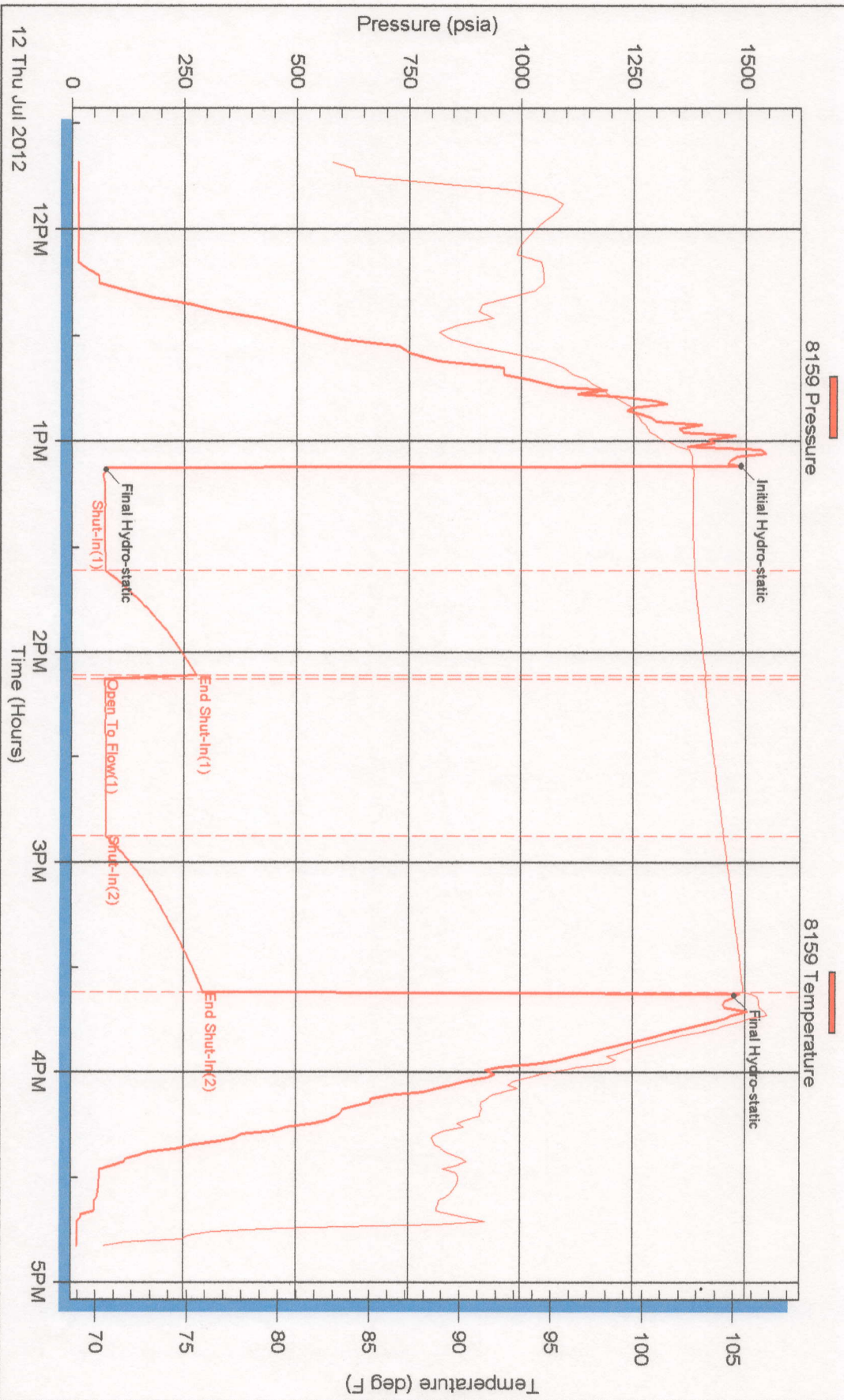
Serial #: 8159

Carrie Exploration & Development & General Partnership

Lundgren #c-2

DST Test Number: 1

Pressure vs. Time



Serial #: 6731

Carrie Exploration & Development & General Partnership

Lundgren #c-2

DST Test Number: 1

Pressure vs. Time

