



## 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: 2012.07.14 @ 01:00:00

End Date: 2012.07.14 @ 06:35:00

Job Ticket #: 17364      DST #: 3

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

Printed: 2012.07.14 @ 06:54:45

Carrie Exploration & Development & General Partnership

25-19-11 Barton

Lundgren #c-2

DST # 3

Arbuckle

2012.07.14







# DRILL STEM TEST REPORT

TOOL DIAGRAM

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

25-19-11 Barton

Lundgren #c-2

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## Tool Information

|                           |                    |                       |                         |                                    |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe:               | Length: 3313.00 ft | Diameter: 3.80 inches | Volume: 46.47 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: 40000.00 lb  |
|                           |                    |                       | Total Volume: 46.47 bbl | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 17.00 ft           |                       |                         | String Weight: Initial 34000.00 lb |
| Depth to Top Packer:      | 3316.00 ft         |                       |                         | Final 34000.00 lb                  |
| Depth to Bottom Packer:   | 3332.00 ft         |                       |                         |                                    |
| Interval between Packers: | 16.00 ft           |                       |                         |                                    |
| Tool Length:              | 114.00 ft          |                       |                         |                                    |
| Number of Packers:        | 3                  | Diameter: 6.75 inches |                         |                                    |
| Tool Comments:            |                    |                       |                         |                                    |

## Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| S.I. Tool        | 5.00        |            |          | 3301.00    |                               |
| HYD S.I. Tool    | 5.00        |            |          | 3306.00    |                               |
| Packer           | 5.00        |            |          | 3311.00    | 20.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 3316.00    |                               |
| Anchor           | 16.00       |            |          | 3332.00    |                               |
| Recorder         | 0.00        |            |          | 3332.00    |                               |
| Blank Off Sub    | 0.00        |            |          | 3332.00    | 16.00 Tool Interval           |
| Packer           | 5.00        |            |          | 3337.00    |                               |
| Tail pipe        | 70.00       |            |          | 3407.00    |                               |
| Recorder         | 0.00        |            |          | 3407.00    |                               |
| Bullnose         | 3.00        |            |          | 3410.00    | 78.00 Bottom Packers & Anchor |

Total Tool Length: 114.00



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### FLUID SUMMARY

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### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: lb/gal  
Viscosity: 57.00 sec/qt  
Water Loss: 8.50 in<sup>3</sup>  
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<br>ft | Description               | Volume<br>bbl |
|--------------|---------------------------|---------------|
| 60.00        | muddy oil 30% mud 70% oil | 0.842         |
| 0.00         | 300 gas in pipe           | 0.000         |

Total Length: 60.00 ft      Total Volume: 0.842 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

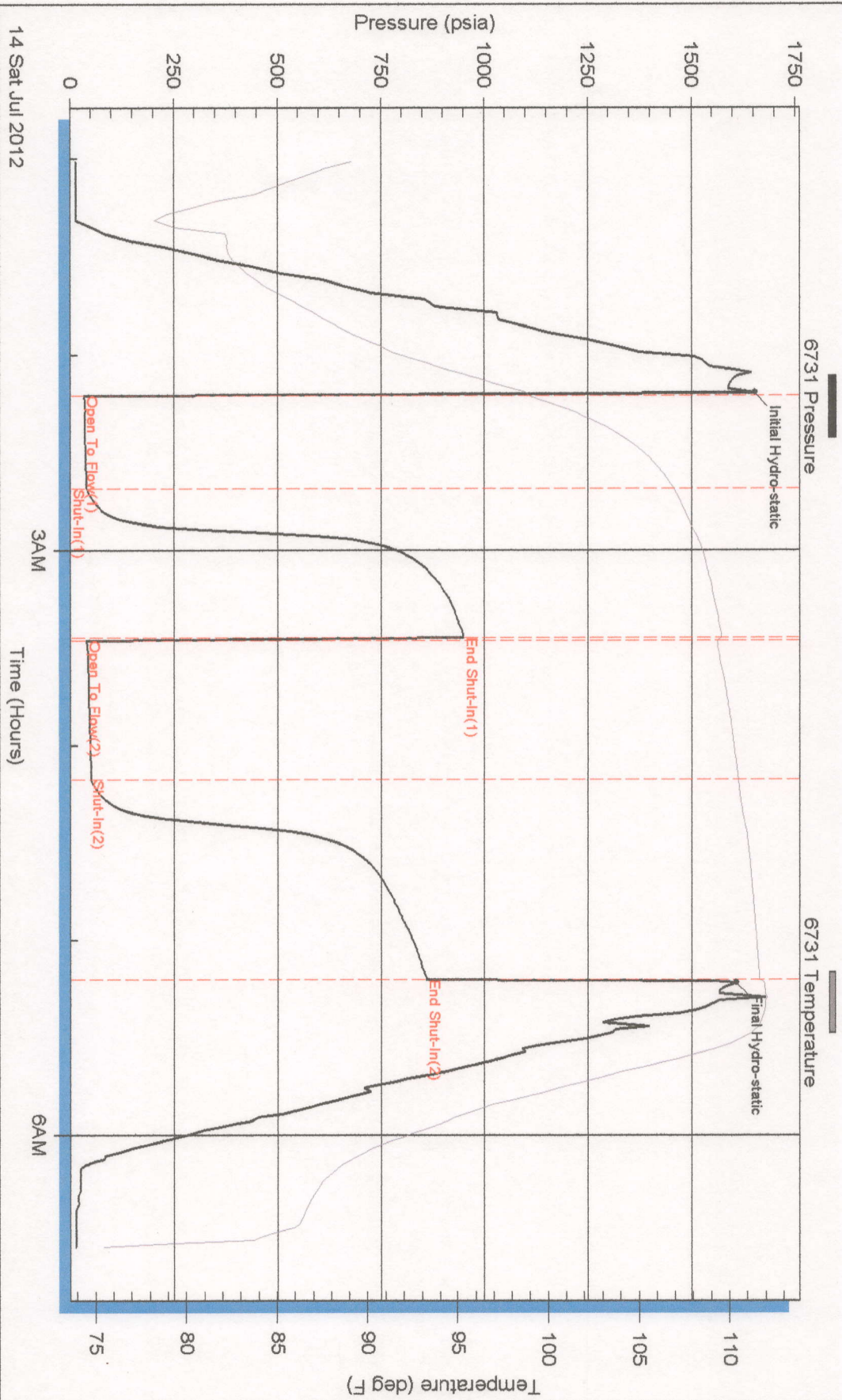
Serial #: 6731

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Lundgren #c-2

DST Test Number: 3

## Pressure vs. Time

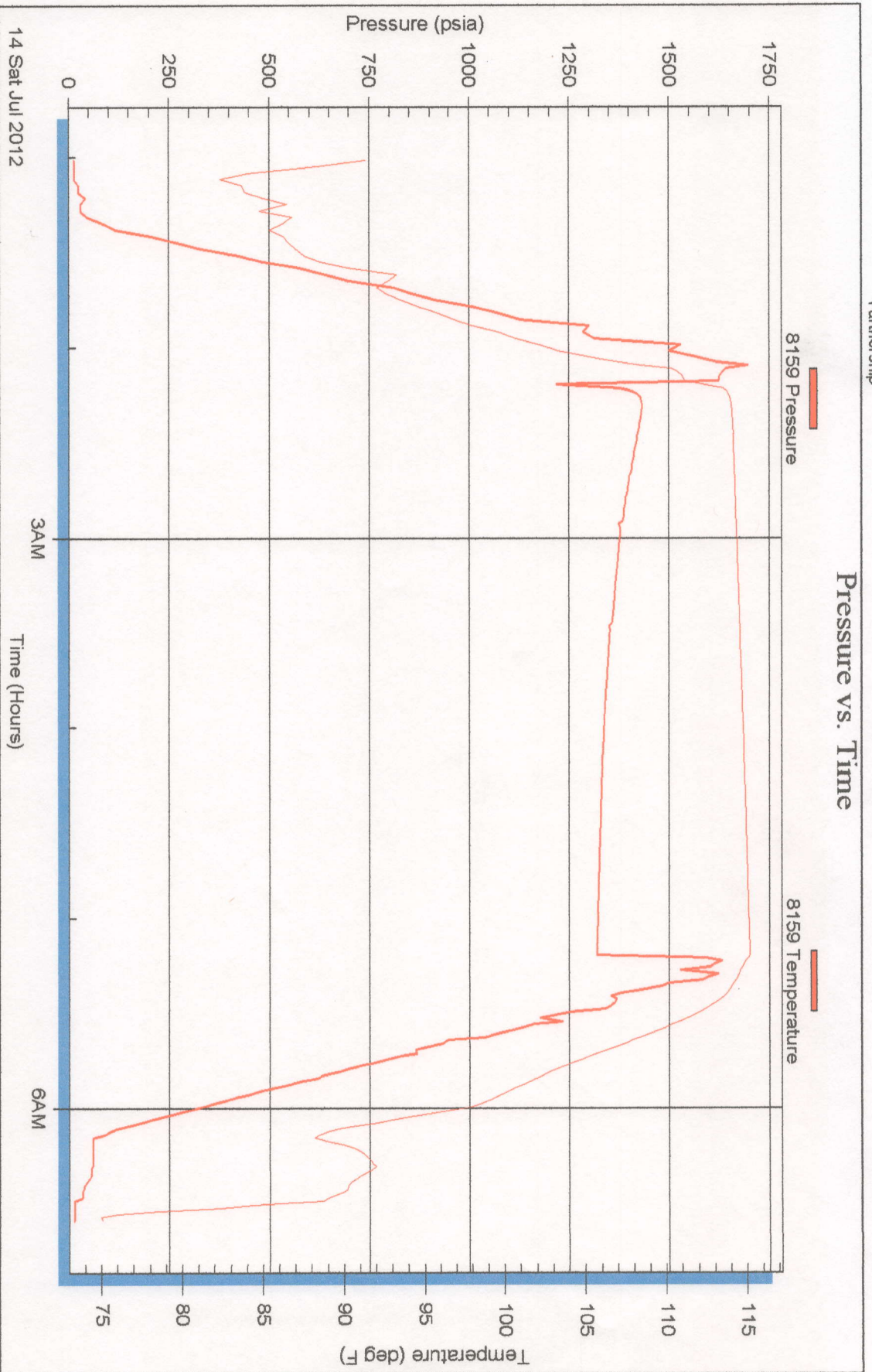


Serial #: 8159

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Lundgren #c-2

DST Test Number: 3



Serial #: 8525

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DST Test Number: 3

### Pressure vs. Time

