



## DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

P.O. Box 47  
Great Bend KS 67530-0047

ATTN: Derek Patterson

### **Ney Unit # 7**

#### **32 15s 12w Russell**

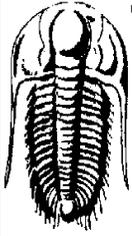
Start Date: 2012.08.28 @ 15:22:00

End Date: 2012.08.28 @ 21:29:00

Job Ticket #: 47650                      DST #: 2

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
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Printed: 2012.08.28 @ 21:53:28



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Carmen Schmitt Inc  
P.O. Box 47  
Great Bend KS 67530-0047  
ATTN: Derek Patterson

**32 15s 12w Russell**  
**Ney Unit # 7**  
Job Ticket: 47650      **DST#: 2**  
Test Start: 2012.08.28 @ 15:22:00

## GENERAL INFORMATION:

Formation: **LKC "G- J"**  
Deviated: No      Whipstock: 1859.00 ft (KB)      Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 17:02:45      Tester: Jim Svaty  
Time Test Ended: 21:29:00      Unit No: 58  
**Interval: 3116.00 ft (KB) To 3219.00 ft (KB) (TVD)**      Reference Elevations: 1859.00 ft (KB)  
Total Depth: 3219.00 ft (KB) (TVD)      1854.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Fair      KB to GR/CF: 5.00 ft

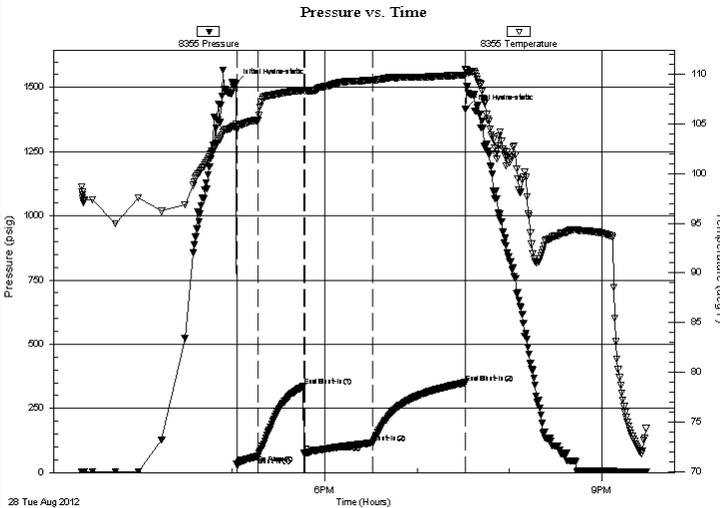
## Serial #: 8355

Inside

Press@RunDepth: 116.46 psig @ 3121.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.08.28      End Date: 2012.08.28      Last Calib.: 2012.08.28  
Start Time: 15:22:05      End Time: 21:28:29      Time On Btm: 2012.08.28 @ 17:02:30  
Time Off Btm: 2012.08.28 @ 19:31:30

TEST COMMENT: 15-IFP- BOB in 11min  
30-ISIP- No Blow  
45-FFP- BOB in 5 1/2 min  
60-FSIP- Weak Surface Blow Died in 5min

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1515.55	104.93	Initial Hydro-static
1	32.82	104.36	Open To Flow (1)
14	62.69	105.33	Shut-In(1)
44	335.68	108.37	End Shut-In(1)
45	75.19	108.33	Open To Flow (2)
89	116.46	109.39	Shut-In(2)
149	350.28	109.89	End Shut-In(2)
149	1417.17	110.50	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
205.00	OCM 12%o 88%m	1.01
0.00	464 GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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





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# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Carmen Schmitt Inc  
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Job Ticket: 47650      **DST#: 2**  
Test Start: 2012.08.28 @ 15:22:00

**Tool Information**

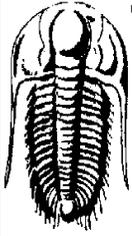
Drill Pipe:	Length: 2852.00 ft	Diameter: 3.80 inches	Volume: 40.01 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 242.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 41.20 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3116.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	103.00 ft				
Tool Length:	131.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Change Over Sub	1.00			3089.00	
Shut In Tool	5.00		Fluid	3094.00	
Hydraulic tool	5.00			3099.00	
Jars	5.00			3104.00	
Safety Joint	3.00			3107.00	
Packer	5.00		Inside	3112.00	28.00      Bottom Of Top Packer
Packer	4.00			3116.00	
Stubb	1.00			3117.00	
Perforations	3.00			3120.00	
Change Over Sub	1.00			3121.00	
Recorder	0.00	8355	Inside	3121.00	
Recorder	0.00	8674	Outside	3121.00	
Blank Spacing	94.00			3215.00	
Change Over Sub	1.00			3216.00	
Bullnose	3.00			3219.00	103.00      Bottom Packers & Anchor

**Total Tool Length: 131.00**



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# DRILL STEM TEST REPORT

## FLUID SUMMARY

Carmen Schmitt Inc  
P.O. Box 47  
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ATTN: Derek Patterson

**32 15s 12w Russell**  
**Ney Unit # 7**  
Job Ticket: 47650      **DST#: 2**  
Test Start: 2012.08.28 @ 15:22:00

### 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: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3800.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
205.00	OCM 12%o 88%m	1.008
0.00	464 GIP	0.000

Total Length: 205.00 ft      Total Volume: 1.008 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:



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## DRILL STEM TEST REPORT

**GAS RATES**

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ATTN: Derek Patterson

**32 15s 12w Russell**  
**Ney Unit # 7**  
Job Ticket: 47650      **DST#: 2**  
Test Start: 2012.08.28 @ 15:22:00

### Gas Rates Information

Temperature:            59 (deg F)  
Relative Density:      0.65  
Z Factor:                0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
		0.00	0.00	0.00

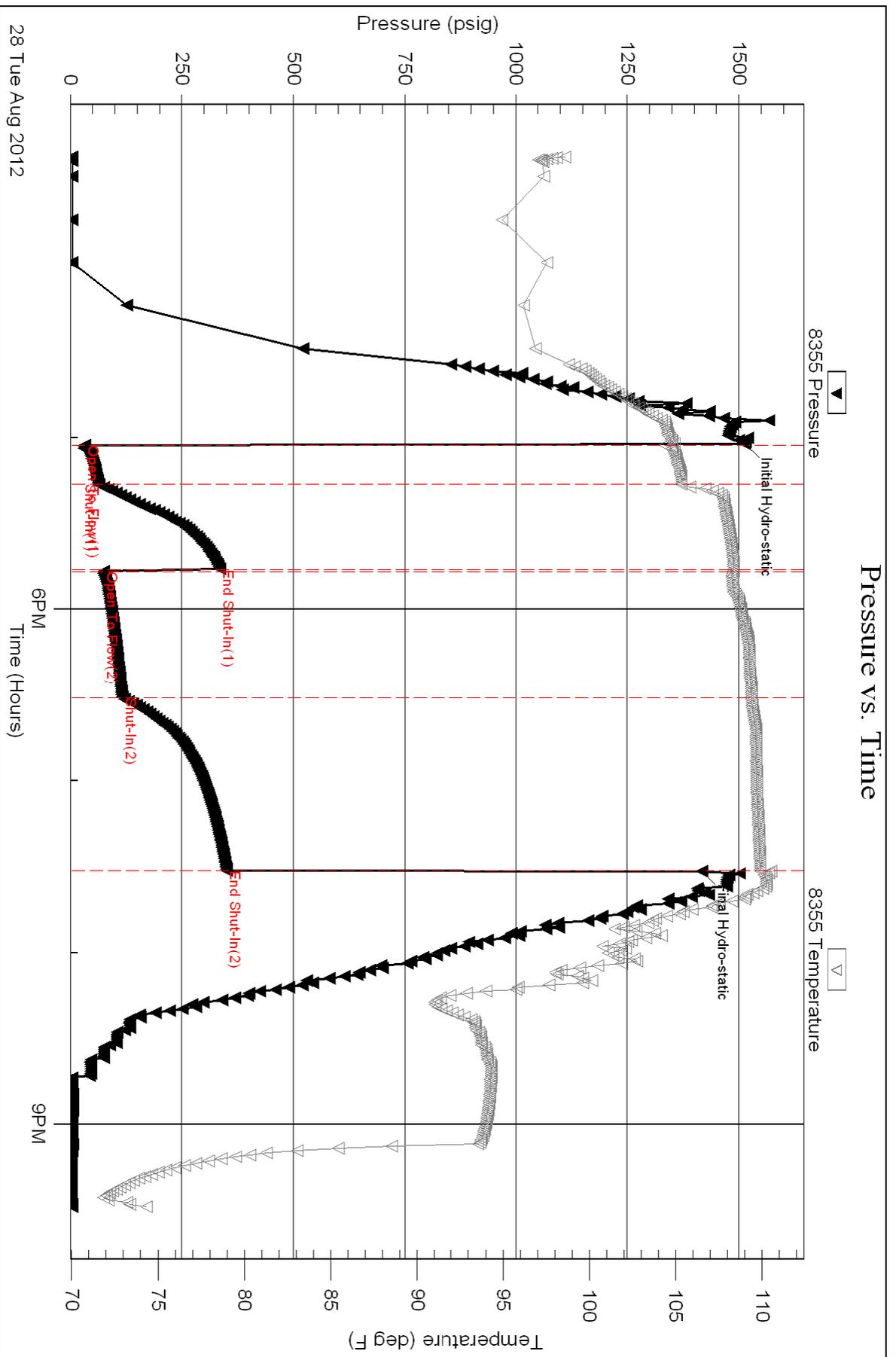
Serial #: 8355

Inside

Carmen Schmitt Inc

Ney Unit # 7

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 47650

Printed: 2012.08.28 @ 21:53:30

Serial #: 8674

Outside

Carmen Schmitt Inc

Ney Unit # 7

DST Test Number: 2

