

**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Pratt Well Service, Inc.

**21-3s-28w Decatur, KS**

PO Box 847  
Pratt, KS 67129

**Betts #1-21**

Job Ticket: 55905

**DST#: 2**

ATTN: Austin Garner

Test Start: 2014.08.08 @ 06:43:00

## GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:24:00

Time Test Ended: 13:28:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Donovan Baumann

Unit No: 66

Interval: **3767.00 ft (KB) To 3795.00 ft (KB) (TVD)**

Reference Elevations: 2704.00 ft (KB)

Total Depth: 3795.00 ft (KB) (TVD)

2691.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

**Serial #: 8874**

**Inside**

Press@RunDepth: 1208.74 psig @ 3768.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.08

End Date: 2014.08.08

Last Calib.: 2014.08.08

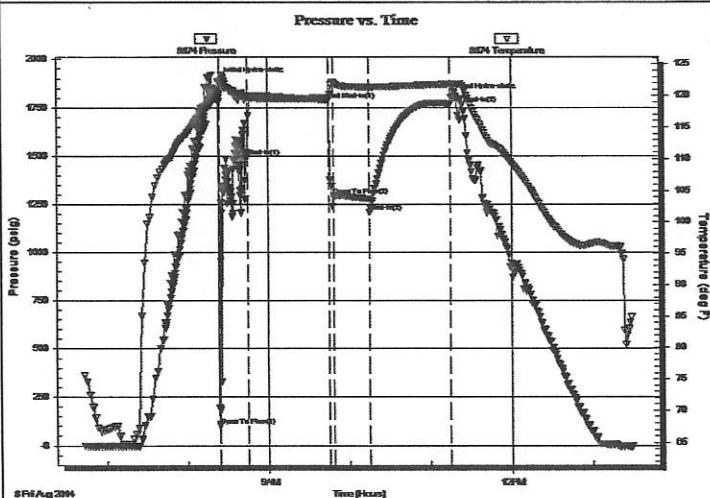
Start Time: 06:44:00

End Time: 13:28:30

Time On Btm: 2014.08.08 @ 08:23:20

Time Off Btm: 2014.08.08 @ 11:15:30

TEST COMMENT: 20 - IF - Surface blow built to BOB in 1 min.  
60 - ISI - No return  
30 - FF - Surface blow built to BOB in 1 min. dead in 23 min  
60 - FSI - No return



## PRESSURE SUMMARY

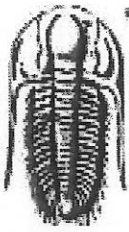
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1885.57	119.64	Initial Hydro-static
1	97.70	119.99	Open To Flow (1)
22	1495.99	119.63	Shut-In(1)
82	1788.30	119.77	End Shut-In(1)
85	1292.88	122.10	Open To Flow (2)
112	1208.74	121.29	Shut-In(2)
172	1767.27	121.84	End Shut-In(2)
173	1804.32	121.86	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2016.00	OSM-100M - oil spots	28.28

## Gas Rates

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



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**TOOL DIAGRAM**

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**Betts #1-21**

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Test Start: 2014.08.08 @ 06:43:00

### Tool Information

Drill Pipe:	Length: 3761.00 ft	Diameter: 3.80 inches	Volume: 52.76 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 52.76 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3767.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3740.00	
Shut In Tool	5.00			3745.00	
Hydraulic tool	5.00			3750.00	
Jars	5.00			3755.00	
Safety Joint	3.00			3758.00	
Packer	5.00			3763.00	28.00 Bottom Of Top Packer
Packer	4.00			3767.00	
Stubb	1.00			3768.00	
Recorder	0.00	8653	Outside	3768.00	
Recorder	0.00	8874	Inside	3768.00	
Perforations	22.00			3790.00	
Change Over Sub	0.00			3790.00	
Drill Pipe	0.00			3790.00	
Change Over Sub	0.00			3790.00	
Bullnose	5.00			3795.00	28.00 Bottom Packers & Anchor

**Total Tool Length: 56.00**