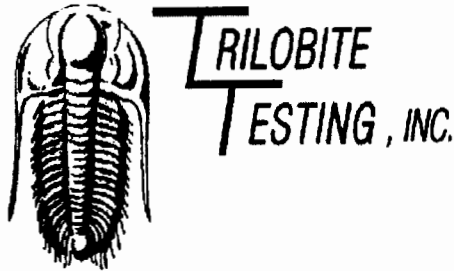


27-7s-22w



### DRILL STEM TEST REPORT

Prepared For: **Werth Exploration Trust**

1308 Schwaller Ave  
Hays KS 67601

ATTN: Andy Werth

**27 7S 22W Graham KS**

**Stevenson #4**

*Stevenson Sol 4*

Start Date: 2006.07.01 @ 20:27:02

End Date: 2006.07.02 @ 03:32:31

Job Ticket #: 25349      DST #: 1

*15 - 065 - 23192 - 00 - 00*

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Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Werth Exploration Trust

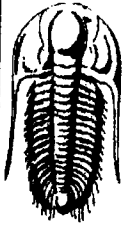
Stevenson #4

27 7S 22W Graham KS

DST # 1

LKC D-F

2006.07.01



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## DRILL STEM TEST REPORT

Werth Exploration Trust

1308 Schwaller Ave  
Hays KS 67601

ATTN: Andy Werth

**Stevenson #4**

**27 7S 22W Graham KS**

Job Ticket: 25349

DST#: 1

Test Start: 2006.07.01 @ 20:27:02

### GENERAL INFORMATION:

Formation: **LKC D-F**

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

Time Tool Opened: 22:08:31

Time Test Ended: 03:32:31

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **28**

Interval: **3518.00 ft (KB) To 3548.00 ft (KB) (TVD)**

Total Depth: **3548.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **2218.00 ft (KB)**

**2213.00 ft (CF)**

KB to GR/CF: **5.00 ft**

**Serial #: 8167**

**Inside**

Press@RunDepth: **782.75 psig @ 3521.01 ft (KB)**

Start Date: **2006.07.01**

End Date:

**2006.07.02**

Start Time: **20:27:02**

End Time:

**03:32:31**

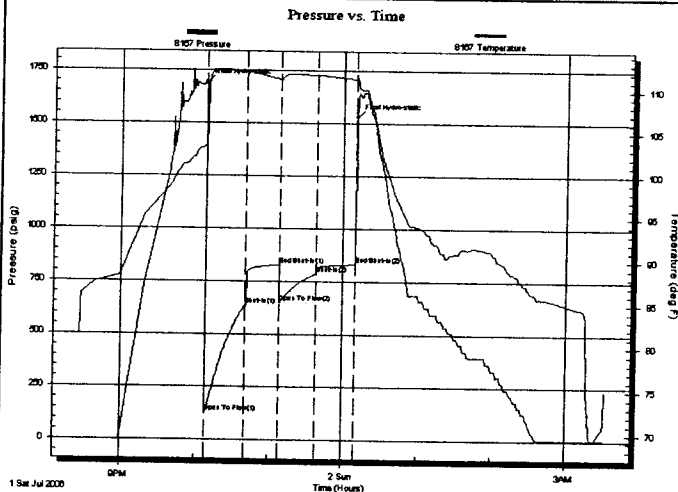
Capacity: **7000.00 psig**

Last Calib.: **2006.07.02**

Time On Btm: **2006.07.01 @ 22:08:01**

Time Off Btm: **2006.07.02 @ 00:10:31**

TEST COMMENT: **FFP Strg bl in 1 min**  
**FFP Strg binl in 5 min**  
**Times 30 30 30 30**  
**ISI No Po bl**



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1691.04	103.38	Initial Hydro-static
1	131.00	103.49	Open To Flow (1)
33	632.86	112.17	Shut-In(1)
60	826.96	111.25	End Shut-In(1)
61	647.80	111.19	Open To Flow(2)
90	782.75	111.74	Shut-In(2)
122	828.91	111.26	End Shut-In(2)
123	1528.46	111.40	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
300.00	GCMWO 10%O 64%O 22%W 4%M	4.21
180.00	GCMWO 15%G 48%O 37%W 4%M	2.52
300.00	GOCMW 10%G 30%O 50%W 10%M	4.21
120.00	O&GCW 5%G 20%O 75%W	1.68
780.00	Water	10.94

### Gas Rates

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



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## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Werth Exploration Trust

**Stevenson #4**

1308 Schwaller Ave  
Hays KS 67601

**27 7S 22W Graham KS**

Job Ticket: 25349

**DST#: 1**

ATTN: Andy Werth

Test Start: 2006.07.01 @ 20:27:02

### Tool Information

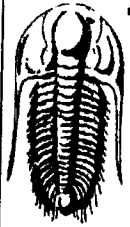
Drill Pipe:	Length: 3528.00 ft	Diameter: 3.80 inches	Volume: 49.49 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume: 49.49 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3518.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.02 ft			
Tool Length:	51.02 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			3498.00	
Shut In Tool	5.00			3503.00	
Hydraulic tool	5.00			3508.00	
Packer	5.00			3513.00	21.00 Bottom Of Top Packer
Packer	5.00			3518.00	
Stubb	1.00			3519.00	
Perforations	2.00			3521.00	
Recorder	0.01	8167	Inside	3521.01	
Perforations	24.00			3545.01	
Recorder	0.01	13534	Outside	3545.02	
Bullnose	3.00			3548.02	30.02 Bottom Packers & Anchor

**Total Tool Length: 51.02**

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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Werth Exploration Trust

**Stevenson #4**

1308 Schwaller Ave  
Hays KS 67601

**27 7S 22W Graham KS**

Job Ticket: 25349

**DST#: 1**

ATTN: Andy Werth

Test Start: 2006.07.01 @ 20:27:02

## 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:

45000 ppm

Viscosity: 42.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.75 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	GCMWO 10%O 64%O 22%W 4%M	4.208
180.00	GCMWO 15%G 48%O 37%W 4%M	2.525
300.00	GOCMW 10%G 30%O 50%W 10%M	4.208
120.00	O&GCW 5%G 20%O 75%W	1.683
780.00	Water	10.941

Total Length: 1680.00 ft

Total Volume:

23.565 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .14 @ 82F

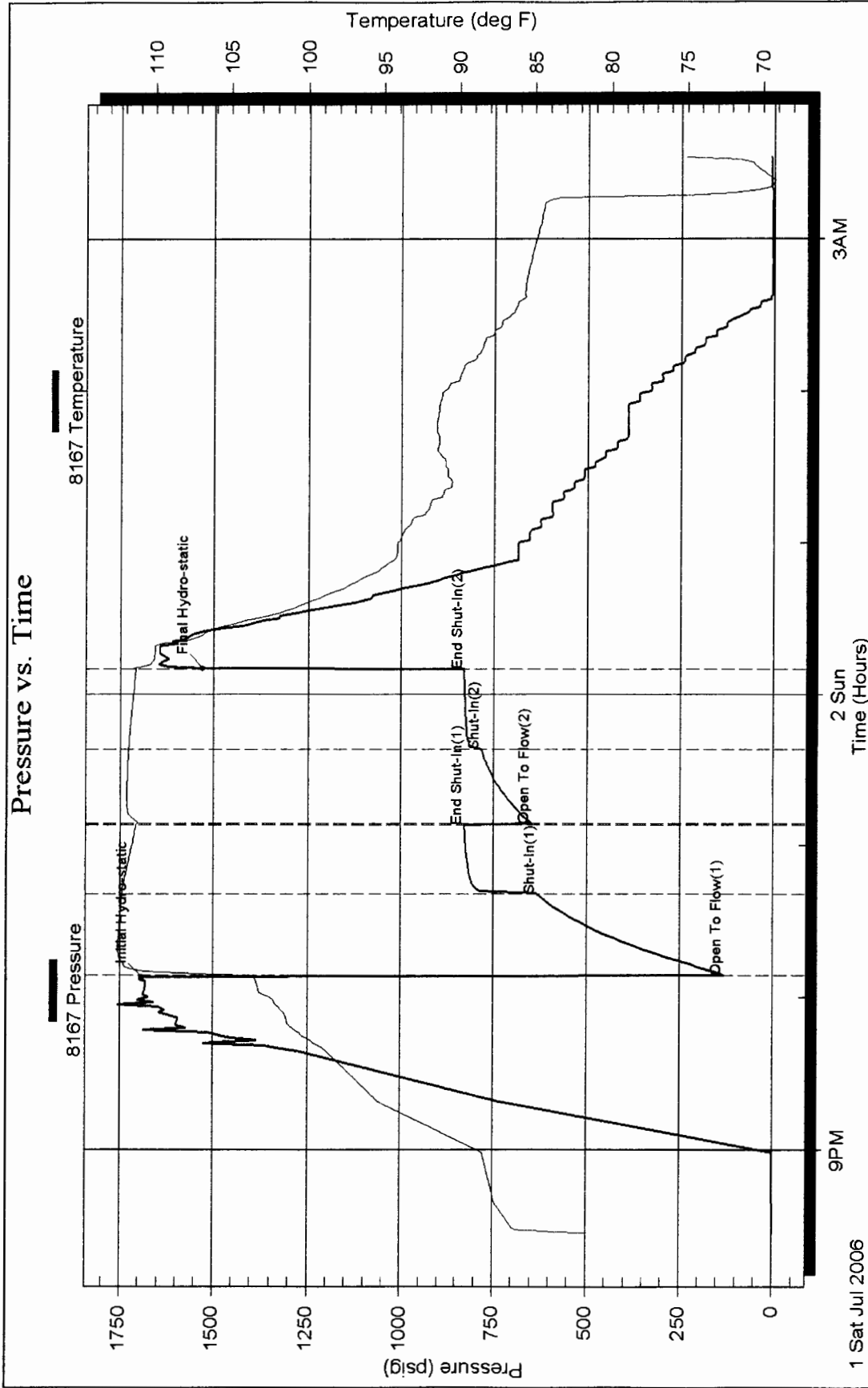
Serial #: 8167

Inside

Werth Exploration Trust

27 7S 22W Graham KS

DST Test Number: 1



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Ref. No: 25349