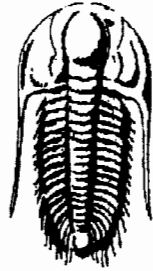


12-9s-22w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Box 352
Russell, Ks. 67665

ATTN: Brad Hutchison

12-9s-22w-Graham

Buss E #1

Start Date: 2005.10.06 @ 12:23:12

End Date: 2005.10.06 @ 17:11:57

Job Ticket #: 23806 DST #: 1

15-065-23099
SE NW SE
1700 PSL 1440 FEL

RECEIVED
JAN 25 2006
KCC WICHITA

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

John O Farmer

Buss E #1

12-9s-22w-Graham

DST # 1

LKC

2005.10.06



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer
PO Box 352
Russell, Ks. 67665
ATTN: Brad Hutchison

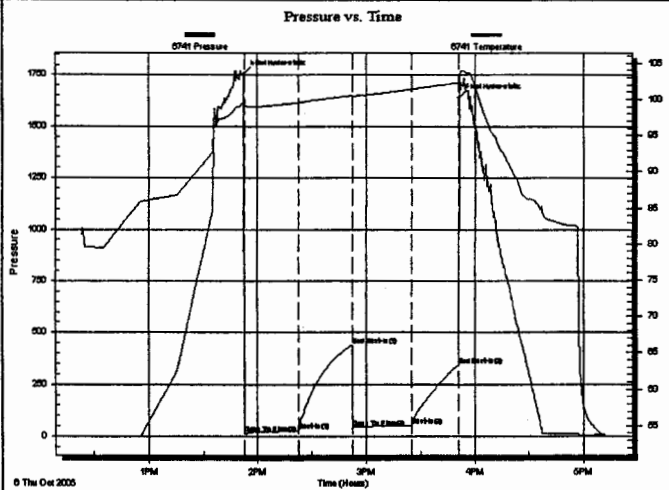
Buss E #1
12-9s-22w-Graham
Job Ticket: 23806 DST#: 1
Test Start: 2005.10.06 @ 12:23:12

GENERAL INFORMATION:

Formation: LKC
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:52:57
Time Test Ended: 17:11:57
Interval: 3485.00 ft (KB) To 3530.00 ft (KB) (TVD)
Total Depth: 3530.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 32
Reference Elevations: 2235.00 ft (KB)
2230.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6741 Inside
Press@RunDepth: 52.52 psig @ 3488.00 ft (KB)
Start Date: 2005.10.06 End Date: 2005.10.06
Start Time: 12:23:14 End Time: 17:11:57
Capacity: 7000.00 psig
Last Calib.: 2005.10.06
Time On Btm: 2005.10.06 @ 13:52:27
Time Off Btm: 2005.10.06 @ 15:51:27

TEST COMMENT: IFP-Weak Blow, Built to 1-3/4"
IS-Dead
FFP-Weak Blow, Built to 1/4"
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1755.73	99.47	Initial Hydro-static
1	13.25	99.11	Open To Flow (1)
31	26.85	99.52	Shut-In(1)
60	439.75	100.51	End Shut-In(1)
61	42.27	100.31	Open To Flow (2)
93	52.52	101.36	Shut-In(2)
119	341.49	102.28	End Shut-In(2)
119	1640.15	102.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

Buss E #1

PO Box 352
Russell, Ks. 67665

12-9s-22w-Graham

Job Ticket: 23806

DST#: 1

ATTN: Brad Hutchison

Test Start: 2005.10.06 @ 12:23:12

Tool Information

Drill Pipe:	Length: 3352.00 ft	Diameter: 3.80 inches	Volume: 47.02 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 44000.00 lb
			<u>Total Volume: 47.61 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3485.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	66.00 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			3465.00	
Shut In Tool	5.00			3470.00	
Hydraulic tool	5.00			3475.00	
Packer	5.00			3480.00	21.00 Bottom Of Top Packer
Packer	5.00			3485.00	
Stubb	1.00			3486.00	
Perforations	1.00			3487.00	
Change Over Sub	1.00			3488.00	
Recorder	0.00	6741	Inside	3488.00	
Blank Spacing	31.00			3519.00	
Change Over Sub	1.00			3520.00	
Perforations	7.00			3527.00	
Recorder	0.00	13221	Outside	3527.00	
Bullnose	3.00			3530.00	45.00 Bottom Packers & Anchor
Total Tool Length:	66.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

Buss E #1

PO Box 352
Russell, Ks. 67665

12-9s-22w-Graham

Job Ticket: 23806

DST#: 1

ATTN: Brad Hutchison

Test Start: 2005.10.06 @ 12:23:12

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: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

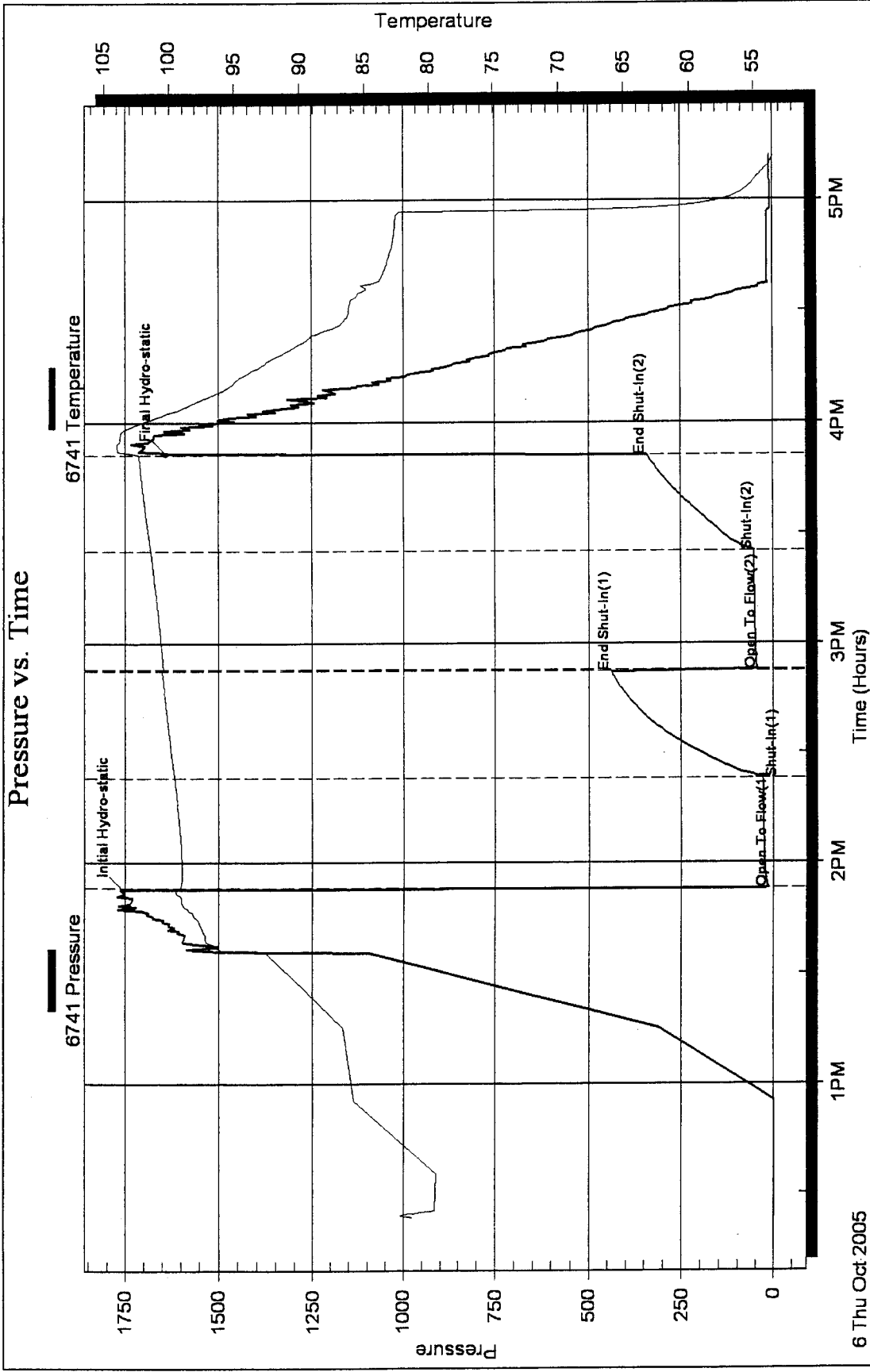
Length ft	Description	Volume bbl
20.00	Mud	0.098

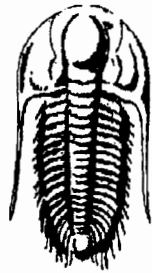
Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Box 352
Russell, Ks. 67665

ATTN: Brad Hutchison

12-9s-22w-Graham

Buss E #1

Start Date: 2005.10.07 @ 18:30:54

End Date: 2005.10.08 @ 00:48:39

Job Ticket #: 23807 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer

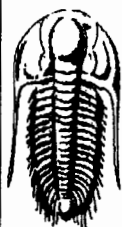
Buss E #1

12-9s-22w-Graham

DST # 2

Arbuckle

2005.10.07



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer
PO Box 352
Russell, Ks. 67665
ATTN: Brad Hutchison

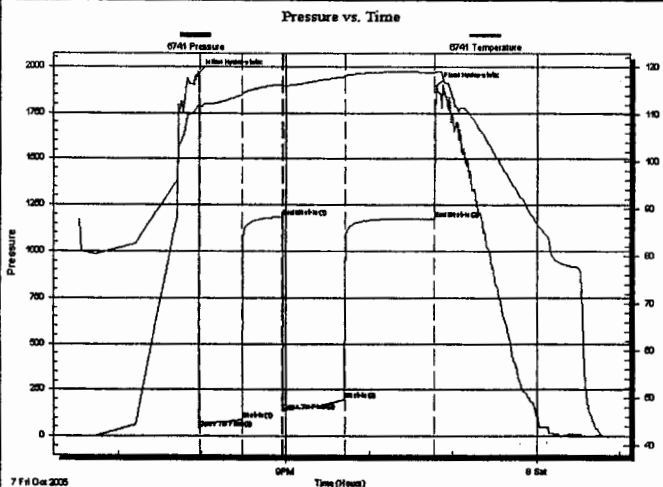
Buss E #1
12-9s-22w-Graham
Job Ticket: 23807 **DST#: 2**
Test Start: 2005.10.07 @ 18:30:54

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No Whipstock:** **ft (KB)**
Time Tool Opened: 19:58:24
Time Test Ended: 00:48:39
Interval: **3792.00 ft (KB) To 3813.00 ft (KB) (TVD)**
Total Depth: **3871.00 ft (KB) (TVD)**
Hole Diameter: **7.80 inches** Hole Condition: **Good**
Test Type: **Conventional Straddle**
Tester: **Jason McLemore**
Unit No: **32**
Reference Elevations: **2235.00 ft (KB)**
2230.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 6741 **Inside**
Press@RunDepth: **197.40 psig @ 3804.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2005.10.07** End Date: **2005.10.08** Last Calib.: **2005.10.08**
Start Time: **18:30:56** End Time: **00:48:39** Time On Btrm: **2005.10.07 @ 19:58:09**
Time Off Btrm: **2005.10.07 @ 22:48:24**

TEST COMMENT: IFP-Fair Blow ,BOB in 19 Mn. Good Roll in Bucket
ISI-Dead
FFP-Fair Blow ,BOB in 19 Mn. Good Roll in Bucket
FSI-



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1962.93	112.15	Initial Hydro-static
1	41.66	111.62	Open To Flow (1)
31	89.77	114.20	Shut-In(1)
60	1183.90	116.40	End Shut-In(1)
60	135.64	116.18	Open To Flow (2)
105	197.40	118.01	Shut-In(2)
169	1175.99	118.92	End Shut-In(2)
171	1895.10	119.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
435.00	Muddy Water	5.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

Buss E #1

PO Box 352
Russell, Ks. 67665

12-9s-22w-Graham

Job Ticket: 23807

DST#: 2

ATTN: Brad Hutchison

Test Start: 2005.10.07 @ 18:30:54

Tool Information

Drill Pipe:	Length: 3665.00 ft	Diameter: 3.80 inches	Volume: 51.41 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 44000.00 lb
		Total Volume: 52.00 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3792.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	3813.00 ft			
Interval between Packers:	21.00 ft			
Tool Length:	100.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3772.00	
Shut In Tool	5.00			3777.00	
Hydraulic tool	5.00			3782.00	
Packer	5.00			3787.00	21.00 Bottom Of Top Packer
Packer	5.00			3792.00	
Stubb	1.00			3793.00	
Perforations	11.00			3804.00	
Recorder	0.00	6741	Inside	3804.00	
Perforations	5.00			3809.00	
Blank Off Sub	1.00			3810.00	
Blank Spacing	3.00			3813.00	21.00 Tool Interval
Packer	1.00			3814.00	
Stubb	1.00			3815.00	
Perforations	18.00			3833.00	
Change Over Sub	1.00			3834.00	
Recorder	0.00	13252	Below	3834.00	
Blank Spacing	31.00			3865.00	
Change Over Sub	1.00			3866.00	
Perforations	2.00			3868.00	
Bullnose	3.00			3871.00	58.00 Bottom Packers & Anchor

Total Tool Length: 100.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

Buss E #1

PO Box 352
Russell, Ks. 67665

12-9s-22w-Graham

Job Ticket: 23807

DST#: 2

ATTN: Brad Hutchison

Test Start: 2005.10.07 @ 18:30:54

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:

25500 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
435.00	Muddy Water	5.009

Total Length: 435.00 ft

Total Volume: 5.009 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

