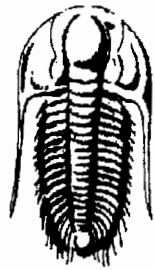


15-065-23110



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer, Inc.**

PO Box 352
Russell KS 67665

ATTN: Matt Drieling

1-9s-22w Graham

Buss Unit B 1

Start Date: 2005.11.27 @ 14:32:20

End Date: 2005.11.27 @ 20:50:50

Job Ticket #: 23599 DST #: 1

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer, Inc.

PO Box 352
Russell KS 67665

ATTN: Matt Drieling

Buss Unit B 1

1-9s-22w Graham

Job Ticket: 23599

DST#: 1

Test Start: 2005.11.27 @ 14:32:20

GENERAL INFORMATION:

Formation: LKC - C

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:09:35

Time Test Ended: 20:50:50

Test Type: Conventional Bottom Hole

Tester: Michael

Unit No: 22

Interval: 3444.00 ft (KB) To 3470.00 ft (KB) (TVD)

Total Depth: 3470.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2198.00 ft (KB)

2193.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8166

Inside

Press@RunDepth: 145.49 psig @ 3445.00 ft (KB)

Start Date: 2005.11.27

End Date:

2005.11.27

Start Time: 14:32:21

End Time:

20:50:50

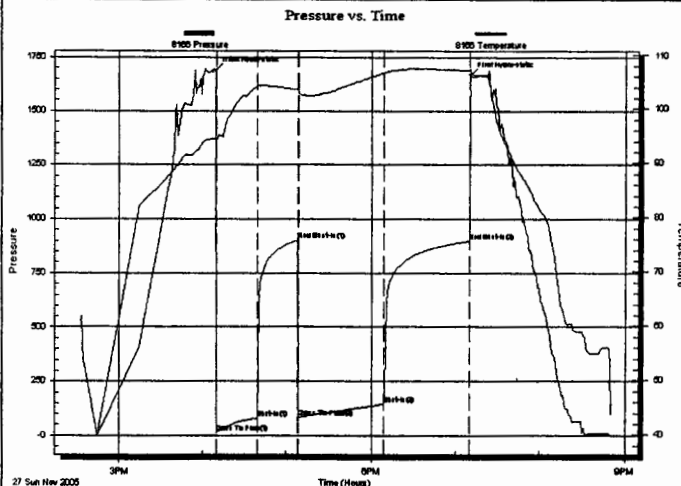
Capacity: 7000.00 psig

Last Calib.: 2005.11.27

Time On Btm: 2005.11.27 @ 16:09:20

Time Off Btm: 2005.11.27 @ 19:10:35

TEST COMMENT: IF- Steady building blow to 7"
ISI- No Blow
FF- Steady Building blow to 6"
FSI- No blow



PRESSURE SUMMARY

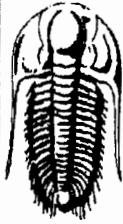
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1687.42	94.50	Initial Hydro-static
1	11.32	93.74	Open To Flow (1)
30	81.29	104.19	Shut-In(1)
60	902.86	103.51	End Shut-In(1)
60	83.09	103.06	Open To Flow (2)
120	145.49	106.63	Shut-In(2)
181	898.79	107.11	End Shut-In(2)
182	1668.17	107.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
280.00	Salt water 60,000 Chlorides	2.83

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer, Inc.

Buss Unit B 1

PO Box 352
Russell KS 67665

1-9s-22w Graham

Job Ticket: 23599

DST#: 1

ATTN: Matt Drieling

Test Start: 2005.11.27 @ 14:32:20

Tool Information

Drill Pipe:	Length: 3323.00 ft	Diameter: 3.80 inches	Volume: 46.61 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 45000.00 lb
		Total Volume: 47.21 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3444.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	47.00 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			3424.00	
Shut In Tool	5.00			3429.00	
Hydraulic tool	5.00			3434.00	
Packer	5.00			3439.00	21.00 Bottom Of Top Packer
Packer	5.00			3444.00	
Blank Spacing	1.00			3445.00	
Recorder	0.00	8166	Inside	3445.00	
Perforations	22.00			3467.00	
Recorder	0.00	10991	Outside	3467.00	
Bullnose	3.00			3470.00	26.00 Bottom Packers & Anchor
Total Tool Length:	47.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer, Inc.

Buss Unit B 1

PO Box 352
Russell KS 67665

1-9s-22w Graham

Job Ticket: 23599

DST#: 1

ATTN: Matt Drieling

Test Start: 2005.11.27 @ 14:32:20

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: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
280.00	Salt water 60,000 Chlorides	2.825

Total Length: 280.00 ft

Total Volume: 2.825 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

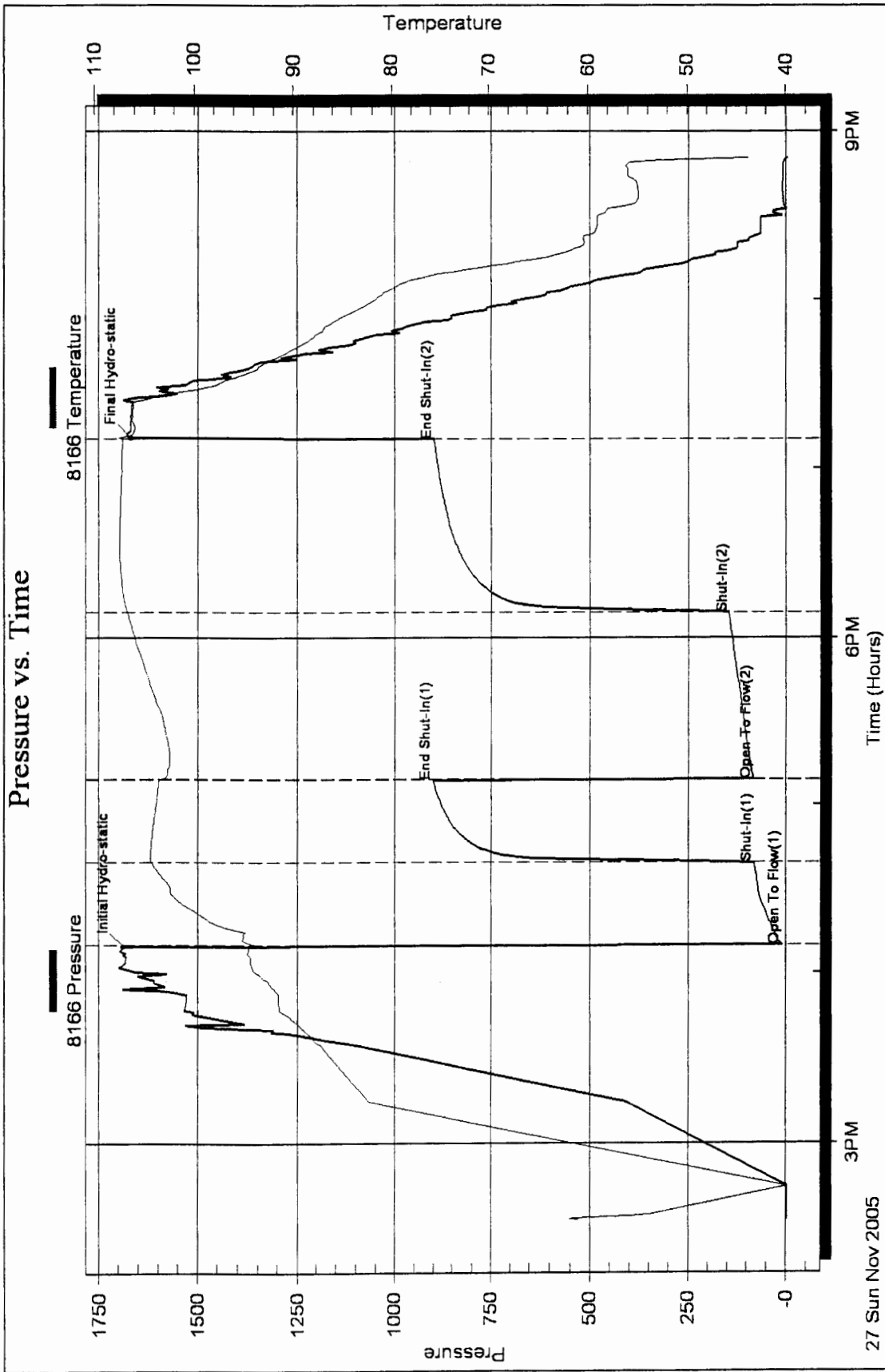
Serial #:

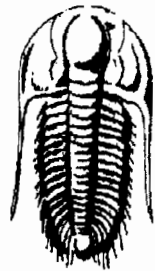
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer, Inc.**

PO Box 352
Russell KS 67665

ATTN: Matt Drieling

1-9s-22w Graham

Buss Unit B 1

Start Date: 2005.11.29 @ 20:12:33

End Date: 2005.11.30 @ 01:45:03

Job Ticket #: 23600 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer, Inc.

Buss Unit B 1

1-9s-22w Graham

DST # 2

LKC

2005.11.29



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer, Inc.

PO Box 352
Russell KS 67665

ATTN: Matt Drieling

Buss Unit B 1

1-9s-22w Graham

Job Ticket: 23600

DST#: 2

Test Start: 2005.11.29 @ 20:12:33

GENERAL INFORMATION:

Formation: LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:11:03

Time Test Ended: 01:45:03

Test Type: Conventional Bottom Hole

Tester: Michael

Unit No: 22

Interval: 3535.00 ft (KB) To 3630.00 ft (KB) (TVD)

Total Depth: 3630.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2198.00 ft (KB)

2193.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8166

Inside

Press@RunDepth: 31.19 psig @ 3541.00 ft (KB)

Start Date: 2005.11.29

End Date:

2005.11.30

Capacity: 7000.00 psig

Last Calib.: 2005.11.29

Start Time: 20:12:34

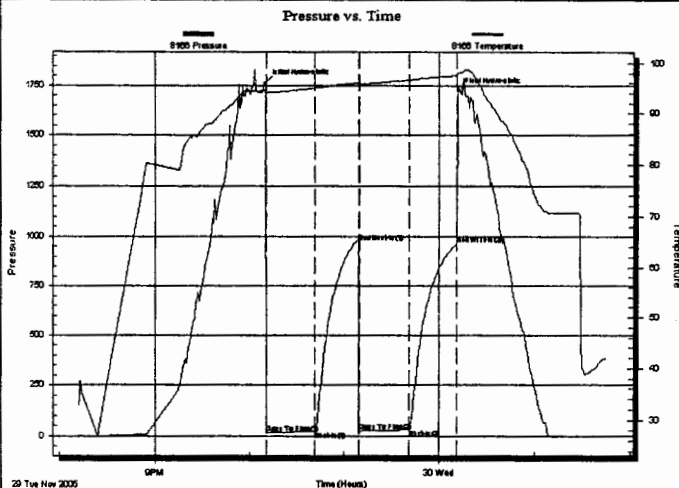
End Time:

01:45:03

Time On Btm: 2005.11.29 @ 22:10:33

Time Off Btm: 2005.11.30 @ 00:11:33

TEST COMMENT: IF- Built to 1" in 10m Leveled off
ISI- No blow
FF- Weak surface blow
FSI- No blow



PRESSURE SUMMARY

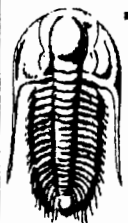
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1762.68	94.56	Initial Hydro-static
1	15.42	93.90	Open To Flow (1)
32	22.37	95.00	Shut-In(1)
59	969.64	96.03	End Shut-In(1)
59	25.22	95.83	Open To Flow (2)
91	31.19	96.64	Shut-In(2)
121	962.80	97.53	End Shut-In(2)
121	1721.36	98.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
33.00	Drilling mud	0.16

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer, Inc.

Buss Unit B 1

PO Box 352
Russell KS 67665

1-9s-22w Graham

Job Ticket: 23600

DST#: 2

ATTN: Matt Drieling

Test Start: 2005.11.29 @ 20:12:33

Tool Information

Drill Pipe:	Length: 3417.00 ft	Diameter: 3.80 inches	Volume: 47.93 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 43000.00 lb
		Total Volume:	48.53 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3535.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	95.00 ft			
Tool Length:	116.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3515.00	
Shut In Tool	5.00			3520.00	
Hydraulic tool	5.00			3525.00	
Packer	5.00			3530.00	21.00 Bottom Of Top Packer
Packer	5.00			3535.00	
Blank Spacing	1.00			3536.00	
Perforations	4.00			3540.00	
Change Over Sub	1.00			3541.00	
Recorder	0.00	8166	Inside	3541.00	
Drill Pipe	62.00			3603.00	
Change Over Sub	1.00			3604.00	
Recorder	0.00	10991	Outside	3604.00	
Perforations	23.00			3627.00	
Perforations	3.00			3630.00	95.00 Bottom Packers & Anchor

Total Tool Length: 116.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer, Inc.

Buss Unit B 1

PO Box 352
Russell KS 67665

1-9s-22w Graham

Job Ticket: 23600

DST#: 2

ATTN: Matt Drieling

Test Start: 2005.11.29 @ 20:12:33

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
33.00	Drilling mud	0.162

Total Length: 33.00 ft

Total Volume: 0.162 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

