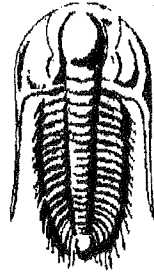


15-009-25260

5-16s-14w

IND



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

370 W. Wichita Ave.
Russell, KS 67665

ATTN: Brad Hutchison

5 16s 14w Barton KS

Nuss B # 1

Start Date: 2008.10.15 @ 08:04:15

End Date: 2008.10.15 @ 15:45:15

Job Ticket #: 32922 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

John O Farmer, Inc.

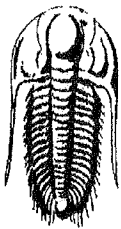
Nuss B # 1

5 16s 14w Barton KS

DST # 1

Arbuckle

2008.10.15



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer, Inc.
370 W. Wichita Ave.
Russell, KS 67665
ATTN: Brad Hutchison

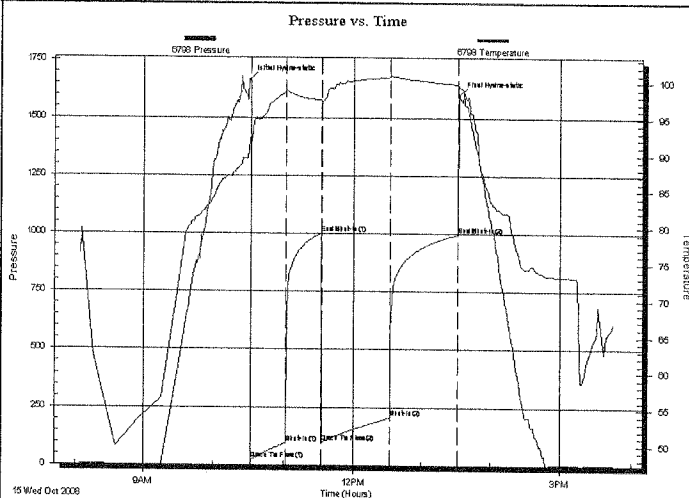
Nuss B # 1
5 16s 14w Barton KS
Job Ticket: 32922 **DST#: 1**
Test Start: 2008.10.15 @ 08:04:15

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:31:45
Time Test Ended: 15:45:15
Interval: **3384.00 ft (KB) To 3420.00 ft (KB) (TVD)**
Total Depth: 3420.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Jerry Adams
Unit No: 45
Reference Elevations: 1938.00 ft (KB)
1933.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6798 Inside
Press@RunDepth: 205.23 psig @ 3385.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.10.15 End Date: 2008.10.15 Last Calib.: 2008.10.15
Start Time: 08:04:16 End Time: 15:45:15 Time On Btm: 2008.10.15 @ 10:30:45
Time Off Btm: 2008.10.15 @ 13:32:45

TEST COMMENT: IF: Fair blow . BOB in 14 mins
IS: No blow
FF: Fair blow . BOB in 20 mins
FSI: Very weak surface blow



PRESSURE SUMMARY

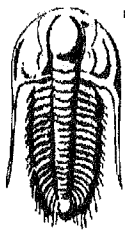
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1665.28	92.18	Initial Hydro-static
1	22.19	91.97	Open To Flow (1)
31	96.11	98.75	Shut-In(1)
61	1002.13	97.57	End Shut-In(1)
62	99.58	97.34	Open To Flow (2)
121	205.23	100.78	Shut-In(2)
181	995.98	99.75	End Shut-In(2)
182	1600.25	99.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	MCW 70%w 30%o	5.05
30.00	SO&WCM 10%o 20%w 70%o	0.42
30.00	Clean Oil 100%o	0.42
0.00	RW= .230 @ 61 deg.	0.00
0.00	Grav. = 35 API @ 65 deg.	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer, Inc.

Nuss B # 1

370 W. Wichita Ave.
Russell, KS 67665

5 16s 14w Barton KS

Job Ticket: 32922

DST#: 1

ATTN: Brad Hutchison

Test Start: 2008.10.15 @ 08:04:15

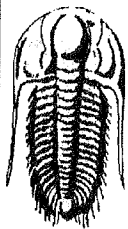
Tool Information

Drill Pipe:	Length: 3383.00 ft	Diameter: 3.80 inches	Volume: 47.45 bbl	Tool Weight: 2100.00 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: 46000.00 lb
			<u>Total Volume: 47.45 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3384.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3369.00	
Hydraulic tool	5.00			3374.00	
Packer	5.00			3379.00	20.00 Bottom Of Top Packer
Packer	5.00			3384.00	
Stubb	1.00			3385.00	
Recorder	0.00	6798	Inside	3385.00	
Recorder	0.00	8358	Inside	3385.00	
Perforations	32.00			3417.00	
Bullnose	3.00			3420.00	36.00 Bottom Packers & Anchor
Total Tool Length:	56.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer, Inc.

Nuss B # 1

370 W. Wichita Ave.
Russell, KS 67665

5 16s 14w Barton KS

Job Ticket: 32922

DST#: 1

ATTN: Brad Hutchison

Test Start: 2008.10.15 @ 08:04:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 10.77 in³

Resistivity: 0.00 ohm.m

Salinity: 6300.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 34.5 deg API

Water Salinity: 38000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
360.00	MCW 70%w 30%m	5.050
30.00	SO&WCM 10%o 20%w 70%m	0.421
30.00	Clean Oil 100%o	0.421
0.00	RW= .230 @ 61 deg.	0.000
0.00	Grav. = 35 API @ 65 deg.	0.000

Total Length: 420.00 ft Total Volume: 5.892 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

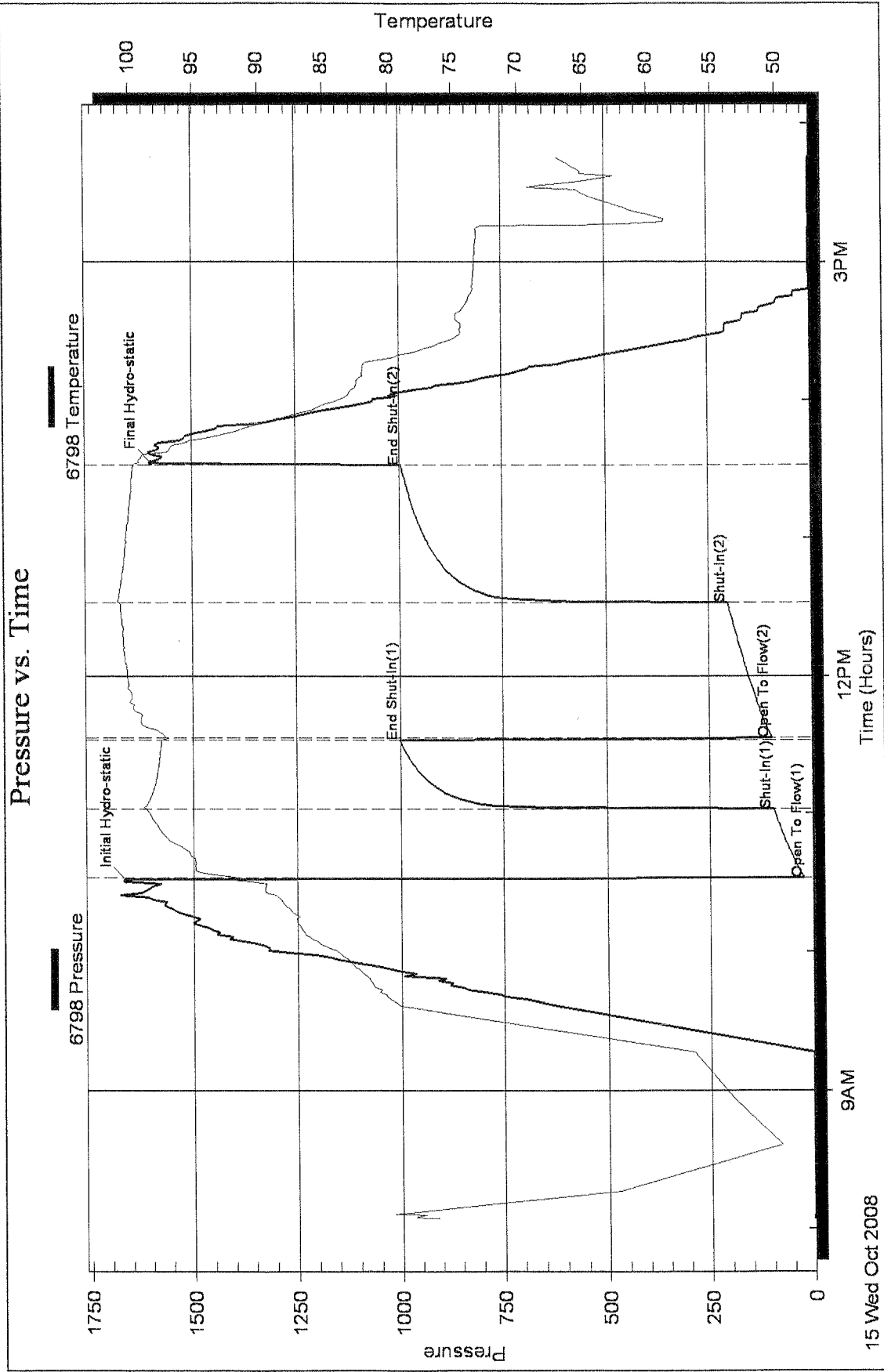
Serial #: none

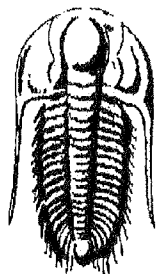
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

370 W. Wichita Ave.
Russell, KS 67665

ATTN: Brad Hutchison

5 16s 14w Barton KS

Nuss B # 1

Start Date: 2008.10.16 @ 04:34:10

End Date: 2008.10.16 @ 10:16:10

Job Ticket #: 33724 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

John O Farmer, Inc.

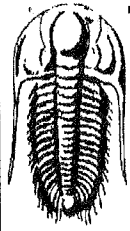
Nuss B # 1

5 16s 14w Barton KS

DST # 2

Arbuckle

2008.10.16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer, Inc.

Nuss B # 1

370 W. Wichita Ave.
Russell, KS 67665

5 16s 14w Barton KS

Job Ticket: 33724

DST#: 2

ATTN: Brad Hutchison

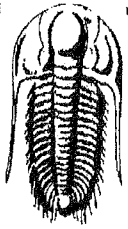
Test Start: 2008.10.16 @ 04:34:10

Tool Information

Drill Pipe:	Length: 3381.00 ft	Diameter: 3.82 inches	Volume: 47.93 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 250000.0 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			Total Volume: 47.93 bbl	Tool Chased: 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3382.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	3410.00 ft			
Interval between Packers:	28.00 ft			
Tool Length:	119.00 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			3362.00	
Shut In Tool	5.00			3367.00	
Hydraulic tool	5.00			3372.00	
Packer	5.00			3377.00	21.00 Bottom Of Top Packer
Packer	5.00			3382.00	
Stubb	1.00			3383.00	
Perforations	3.00			3386.00	
Recorder	0.00	6672	Inside	3386.00	
Perforations	20.00			3406.00	
Recorder	0.00	13401		3406.00	
Blank Off Sub	1.00			3407.00	
Stubb	3.00			3410.00	28.00 Tool Interval
Packer	1.00			3411.00	
Stubb	1.00			3412.00	
Change Over Sub	1.00			3413.00	
Recorder	0.00	6669	Outside	3413.00	
Blank Spacing	63.00			3476.00	
Change Over Sub	1.00			3477.00	
Bullnose	3.00			3480.00	70.00 Bottom Packers & Anchor
Total Tool Length:	119.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer, Inc.

Nuss B # 1

370 W. Wichita Ave.
Russell, KS 67665

5 16s 14w Barton KS

Job Ticket: 33724

DST#: 2

ATTN: Brad Hutchison

Test Start: 2008.10.16 @ 04:34:10

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
75.00	WM 10%W,90%M	1.063

Total Length: 75.00 ft Total Volume: 1.063 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .44 @ 51F 27000ppm

