

12-9-22w

RECEIVED
SEP 06 2005
KCC WICHITA



DRILL STEM TEST REPORT

Prepared For: **John O Farmer INC.**

CONFIDENTIAL
PO Box 352
Russell KS 67665

ORIGINAL
ATTN: Brad Hutchison

KCC
SEP 09 2005

12-9s-22w Graham

Buss B #1

Start Date: 2005.06.30 @ 18:10:22

End Date: 2005.07.01 @ 01:21:22

Job Ticket #: 22850

DST #: 1

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

John O Farmer INC.

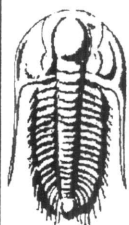
Buss B #1

12-9s-22w Graham

DST # 1

LKC C-D

2005.06.30



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer INC.

PO Box 352
Russell KS 67665

ATTN: Brad Hutchison

Buss B #1

12-9s-22w Graham

Job Ticket: 22850

DST#: 1

Test Start: 2005.06.30 @ 18:10:22

GENERAL INFORMATION:

Formation: LKC C-D

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:14:37

Time Test Ended: 01:21:22

Interval: 3509.00 ft (KB) To 3550.00 ft (KB) (TVD)

Total Depth: 3550.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Michael

Unit No: 15

Reference Elevations: 2252.00 ft (KB)

2244.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8166

Inside

Press@RunDepth: 173.57 psig @ 3513.00 ft (KB)

Start Date: 2005.06.30

End Date:

2005.07.01

Start Time: 18:10:23

End Time:

01:21:22

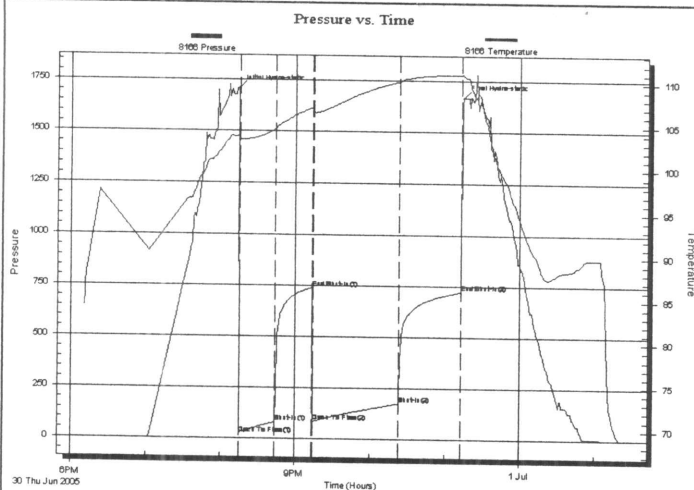
Capacity: 7000.00 psig

Last Calib.: 2005.07.01

Time On Btm: 2005.06.30 @ 20:14:22

Time Off Btm: 2005.06.30 @ 23:14:37

TEST COMMENT: IF-Slow building blow to 8"
IS- no blow
FF- Slow building blow to 7"



PRESSURE SUMMARY

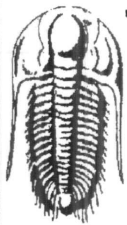
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1707.66	103.91	Initial Hydro-static
1	17.91	103.35	Open To Flow (1)
30	79.11	104.64	Shut-In(1)
59	738.07	107.09	End Shut-In(1)
60	83.28	106.85	Open To Flow (2)
128	173.57	110.15	Shut-In(2)
179	721.98	110.94	End Shut-In(2)
181	1667.67	110.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
328.00	Salt water 65000 Ch	4.33
2.00	Clean oil	0.03

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 B #1

PO Box 352
Russell KS 67665

12-9s-22w Graham

Job Ticket: 22850

DST#: 1

ATTN: Brad Hutchison

Test Start: 2005.06.30 @ 18:10:22

Tool Information

Drill Pipe:	Length: 3485.00 ft	Diameter: 3.80 inches	Volume: 48.89 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	50000.00 lb
		Total Volume:	49.04 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3509.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	41.00 ft				
Tool Length:	62.00 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			3489.00	
Shut In Tool	5.00			3494.00	
Hydraulic tool	5.00			3499.00	
Packer	5.00			3504.00	21.00 Bottom Of Top Packer
Packer	5.00			3509.00	
Blank Spacing	1.00			3510.00	
Perforations	2.00			3512.00	
Change Over Sub	1.00			3513.00	
Recorder	0.00	8166	Inside	3513.00	
Drill Pipe	30.00			3543.00	
Change Over Sub	1.00			3544.00	
Recorder	0.00	10991	Outside	3544.00	
Perforations	3.00			3547.00	
Bullnose	3.00			3550.00	41.00 Bottom Packers & Anchor

Total Tool Length: 62.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer INC.

Buss B #1

PO Box 352
Russell KS 67665

12-9s-22w Graham

Job Ticket: 22850

DST#: 1

ATTN: Brad Hutchison

Test Start: 2005.06.30 @ 18:10:22

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 9.58 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
328.00	Salt water 65000 Ch	4.328
2.00	Clean oil	0.028

Total Length: 330.00 ft

Total Volume: 4.356 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

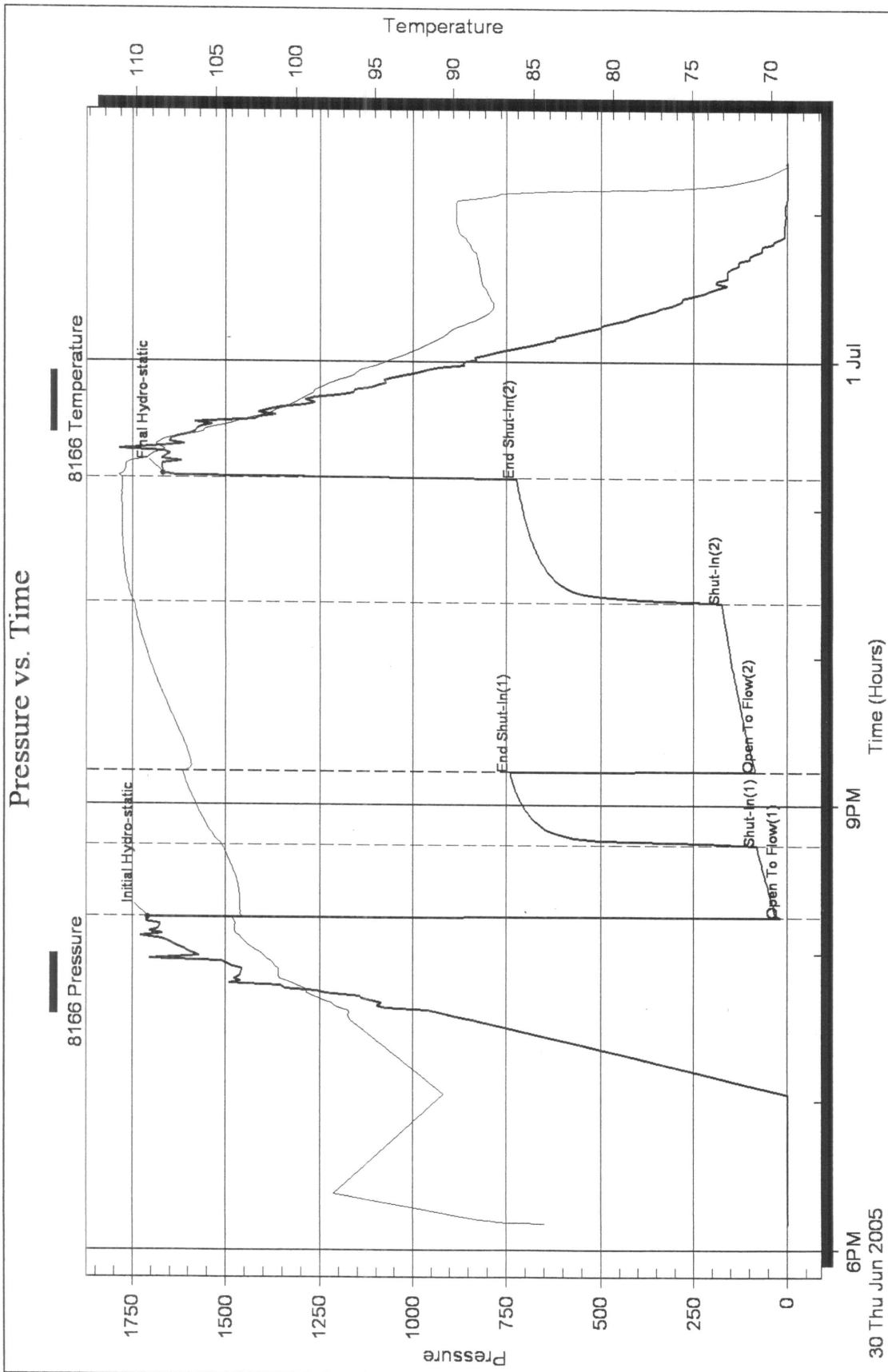
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **John O Farmer INC.**

PO Box 352
Russell KS 67665

ATTN: Brad Hutchison

12-9s-22w Graham

Buss B #1

Start Date: 2005.07.01 @ 14:35:32

End Date: 2005.07.01 @ 20:53:47

Job Ticket #: 22151 DST #: 2

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: Brad Hutchison

Buss B #1

12-9s-22w Graham

Job Ticket: 22151

DST#: 2

Test Start: 2005.07.01 @ 14:35:32

GENERAL INFORMATION:

Formation: LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:04:17

Time Test Ended: 20:53:47

Interval: 3600.00 ft (KB) To 3680.00 ft (KB) (TVD)

Total Depth: 3550.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Michael

Unit No: 15

Reference Elevations: 2252.00 ft (KB)

2244.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8166

Inside

Press@RunDepth: 62.82 psig @ 3604.00 ft (KB)

Start Date: 2005.07.01

End Date:

2005.07.01

Start Time: 14:35:33

End Time:

20:53:47

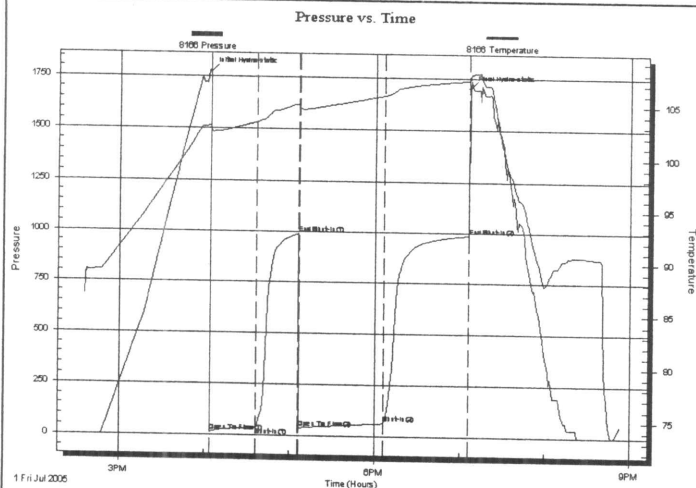
Capacity: 7000.00 psig

Last Calib.: 2005.07.01

Time On Btm: 2005.07.01 @ 16:04:02

Time Off Btm: 2005.07.01 @ 19:06:17

TEST COMMENT: IF- Slow building 3 1/2" blow
IS- No blow
FF- Slow building 5 3/4" blow



PRESSURE SUMMARY

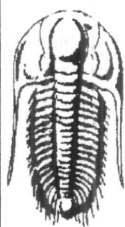
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1775.90	103.02	Initial Hydro-static
1	14.10	102.24	Open To Flow (1)
32	36.17	103.32	Shut-In(1)
62	986.95	105.04	End Shut-In(1)
63	35.07	104.67	Open To Flow (2)
122	62.82	105.86	Shut-In(2)
182	984.68	107.33	End Shut-In(2)
183	1702.85	107.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
165.00	Heavy oil cut mud 26%o 64% m	2.04
0.00	135 GIP	0.00

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.

PO Box 352
Russell KS 67665

ATTN: Brad Hutchison

Buss B #1

12-9s-22w Graham

Job Ticket: 22151

DST#: 2

Test Start: 2005.07.01 @ 14:35:32

Tool Information

Drill Pipe:	Length: 3582.00 ft	Diameter: 3.80 inches	Volume: 50.25 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	54000.00 lb
		Total Volume:	50.40 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3600.00 ft			Final	49000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	80.00 ft				
Tool Length:	101.00 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			3580.00	
Shut In Tool	5.00			3585.00	
Hydraulic tool	5.00			3590.00	
Packer	5.00			3595.00	21.00 Bottom Of Top Packer
Packer	5.00			3600.00	
Blank Spacing	1.00			3601.00	
Perforations	2.00			3603.00	
Change Over Sub	1.00			3604.00	
Recorder	0.00	8166	Inside	3604.00	
Drill Pipe	62.00			3666.00	
Change Over Sub	1.00			3667.00	
Recorder	0.00	10991	Outside	3667.00	
Perforations	10.00			3677.00	
Bullnose	3.00			3680.00	80.00 Bottom Packers & Anchor
Total Tool Length:		101.00			



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer INC.

Buss B #1

PO Box 352
Russell KS 67665

12-9s-22w Graham

Job Ticket: 22151

DST#: 2

ATTN: Brad Hutchison

Test Start: 2005.07.01 @ 14:35:32

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 9.48 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
165.00	Heavy oil cut mud 26%o 64%m	2.041
0.00	135 GIP	0.000

Total Length: 165.00 ft

Total Volume: 2.041 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

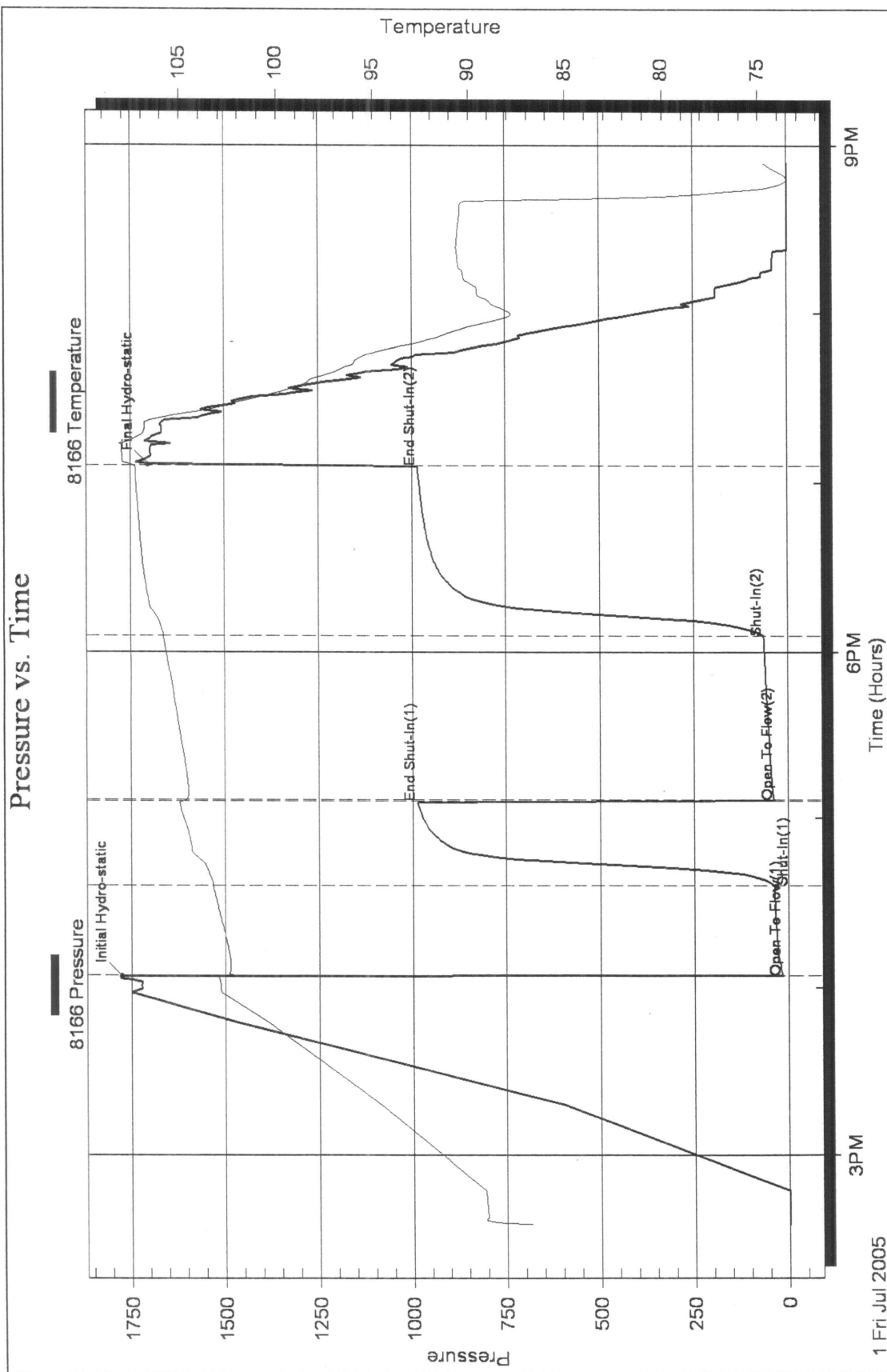
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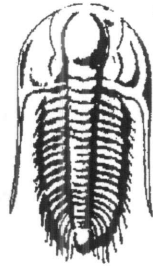
Laboratory Name:

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: Brad Hutchison

12-9s-22w Graham

Buss B #1

Start Date: 2005.07.02 @ 21:10:56

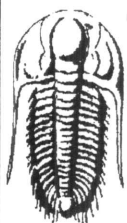
End Date: 2005.07.03 @ 06:29:56

Job Ticket #: 22152 DST #: 3

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: Brad Hutchison

Buss B #1

12-9s-22w Graham

Job Ticket: 22152

DST#: 3

Test Start: 2005.07.02 @ 21:10:56

GENERAL INFORMATION:

Formation: **ARB**

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

Time Tool Opened: 23:43:56

Time Test Ended: 06:29:56

Interval: **3813.00 ft (KB) To 3850.00 ft (KB) (TVD)**

Total Depth: **3898.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Test Type: **Conventional Straddle**

Tester: **Michael**

Unit No: **15**

Reference Elevations: **2252.00 ft (KB)**

2244.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8166 **Inside**

Press@RunDepth: **683.26 psig @ 3849.00 ft (KB)**

Start Date: **2005.07.02**

End Date:

2005.07.03

Start Time: **21:10:57**

End Time:

06:29:56

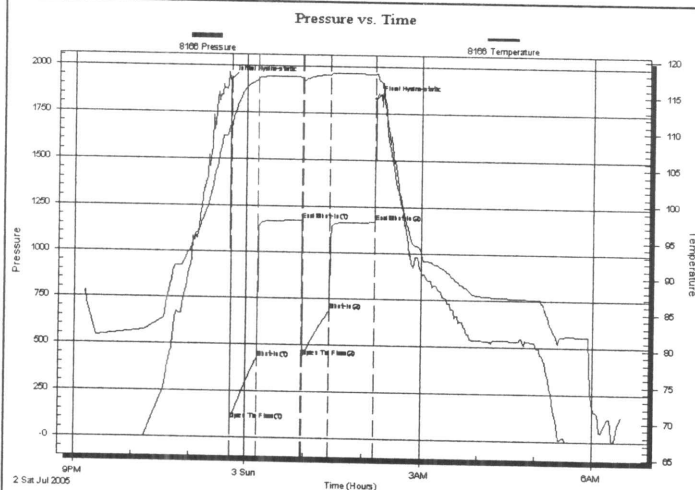
Capacity: **7000.00 psig**

Last Calib.: **2005.07.03**

Time On Btm: **2005.07.02 @ 23:43:11**

Time Off Btm: **2005.07.03 @ 02:12:41**

TEST COMMENT: IF- Bottom of the bucket 3m
IS- 1/4' blow
FF- Bottom of the bucket 3m
FS-1/4" blow



PRESSURE SUMMARY

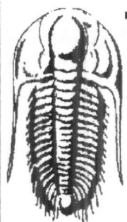
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1922.29	110.57	Initial Hydro-static
1	92.98	110.35	Open To Flow (1)
28	426.31	116.97	Shut-In(1)
74	1171.95	117.44	End Shut-In(1)
75	434.36	117.20	Open To Flow (2)
103	683.26	117.83	Shut-In(2)
149	1166.22	117.88	End Shut-In(2)
150	1829.01	118.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1665.00	Slightly gassy Clean oil 26 Gravity	23.08
0.00	120 GIP	0.00

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 B #1

PO Box 352
Russell KS 67665

12-9s-22w Graham

Job Ticket: 22152

DST#: 3

ATTN: Brad Hutchison

Test Start: 2005.07.02 @ 21:10:56

Tool Information

Drill Pipe:	Length: 3767.00 ft	Diameter: 3.80 inches	Volume: 52.84 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: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume: 52.99 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3813.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	3850.00 ft			
Interval between Packers:	37.00 ft			
Tool Length:	105.00 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			3798.00	
Hydraulic tool	5.00			3803.00	
Packer	5.00			3808.00	20.00 Bottom Of Top Packer
Packer	5.00			3813.00	
Stubb	1.00			3814.00	
Perforations	35.00			3849.00	
Recorder	0.00	8166	Inside	3849.00	
Recorder	0.00	11020	Outside	3849.00	
Blank Off Sub	1.00			3850.00	37.00 Tool Interval
Packer	0.00			3850.00	
Stubb	2.00			3852.00	
Change Over Sub	1.00			3853.00	
Blank Spacing	32.00			3885.00	
Change Over Sub	1.00			3886.00	
Perforations	9.00			3895.00	
Recorder	0.00	11090	Below	3895.00	
Bullnose	3.00			3898.00	48.00 Bottom Packers & Anchor
Total Tool Length:	105.00				



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer INC.

Buss B #1

PO Box 352
Russell KS 67665

12-9s-22w Graham

Job Ticket: 22152

DST#: 3

ATTN: Brad Hutchison

Test Start: 2005.07.02 @ 21:10:56

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 9.56 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1665.00	Slightly gassy Clean oil 26 Gravity	23.082
0.00	120 GIP	0.000

Total Length: 1665.00 ft

Total Volume: 23.082 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

