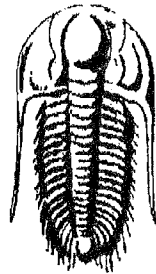


15-009-25302

6-16s-14w

IND

KCC
FEB 26 2009
CONFIDENTIAL



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc**

PO Box 60544
Plainfield, IL 60544

ATTN: Kevin Bailey

6-16s-14w-Barton KS

HUBERT **Radke #1-6**

Start Date: 2009.01.21 @ 00:57:09

End Date: 2009.01.21 @ 08:42:09

Job Ticket #: 36076 DST #: 1

RECEIVED

MAR 04 2009

KCC WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Russell Oil, Inc

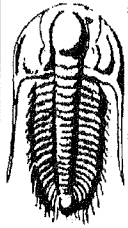
Radke #1-6

6-16s-14w-Barton KS

DST # 1

Totonto thru "C"

2009.01.21



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Russell Oil, Inc

PO Box 60544
Plainfield, IL 60544

ATTN: Kevin Bailey

Radke #1-6

6-16s-14w-Barton KS

Job Ticket: 36076

DST#: 1

Test Start: 2009.01.21 @ 00:57:09

GENERAL INFORMATION:

Formation: **Totonto thru "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:38:09

Time Test Ended: 08:42:09

Interval: **3055.00 ft (KB) To 3175.00 ft (KB) (TVD)**

Total Depth: 3175.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Reference Elevations: 1892.00 ft (KB)

1882.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6755 Inside

Press@RunDepth: 198.78 psig @ 3062.00 ft (KB)

Start Date: 2009.01.21

End Date: 2009.01.21

Start Time: 00:57:11

End Time: 08:42:09

Capacity: 7000.00 psig

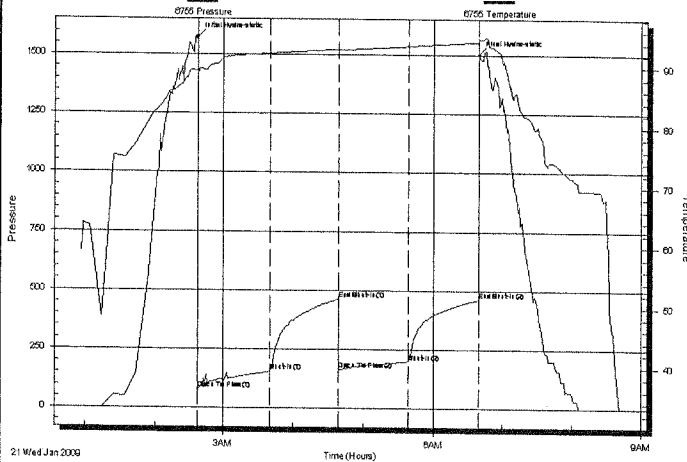
Last Calib.: 2009.01.21

Time On Btm: 2009.01.21 @ 02:37:39

Time Off Btm: 2009.01.21 @ 06:39:39

TEST COMMENT: IFP-Good Blow ,BOB in 11 Min.
ISI-Blow back Built to 1-1/2"
FFP-Good Blow ,BOB in 12 Min.
FSI-Blow back Built to 2"

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1573.83	89.44	Initial Hydro-static
1	78.51	89.02	Open To Flow (1)
63	154.47	92.29	Shut-In (1)
121	462.35	93.03	End Shut-In (1)
122	165.22	92.90	Open To Flow (2)
181	198.78	93.55	Shut-In (2)
242	461.17	94.28	End Shut-In (2)
242	1503.77	94.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.14
60.00	VSOCM-20%G-5%O-75%M	0.84
235.00	Frothy OCWM-50%G-24%O-2%VW-24%N3.30	
0.00	355' Gas In Pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil, Inc

PO Box 60544
Plainfield, IL 60544

ATTN: Kevin Bailey

Radke #1-6

6-16s-14w-Barton KS

Job Ticket: 36076

DST#: 1

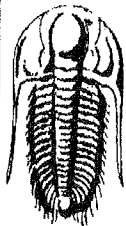
Test Start: 2009.01.21 @ 00:57:09

Tool Information

Drill Pipe:	Length: 3065.00 ft	Diameter: 3.80 inches	Volume: 42.99 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	37000.00 lb
		Total Volume:	42.99 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	3055.00 ft			Final	36000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	120.00 ft				
Tool Length:	141.00 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			3035.00	
Shut In Tool	5.00			3040.00	
Hydraulic tool	5.00			3045.00	
Packer	5.00			3050.00	21.00 Bottom Of Top Packer
Packer	5.00			3055.00	
Stubb	1.00			3056.00	
Perforations	5.00			3061.00	
Recorder	0.00	8360	Inside	3061.00	
Change Over Sub	1.00			3062.00	
Recorder	0.00	6755	Inside	3062.00	
Blank Spacing	94.00			3156.00	
Change Over Sub	1.00			3157.00	
Perforations	15.00			3172.00	
Bullnose	3.00			3175.00	120.00 Bottom Packers & Anchor
Total Tool Length:		141.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc

Radke #1-6

PO Box 60544
Plainfield, IL 60544

6-16s-14w-Barton KS

Job Ticket: 36076

DST#: 1

ATTN: Kevin Bailey

Test Start: 2009.01.21 @ 00:57:09

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 8.75 in³

Resistivity: ohm.m

Salinity: 7500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity: 35000 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.140
60.00	VSOCM-20%G-5%O-75%M	0.842
235.00	Frothy OCWM-50%G-24%O-2%W-24%M	3.296
0.00	355' Gas In Pipe	0.000

Total Length: 305.00 ft

Total Volume: 4.278 bbl

Num Fluid Samples: 0

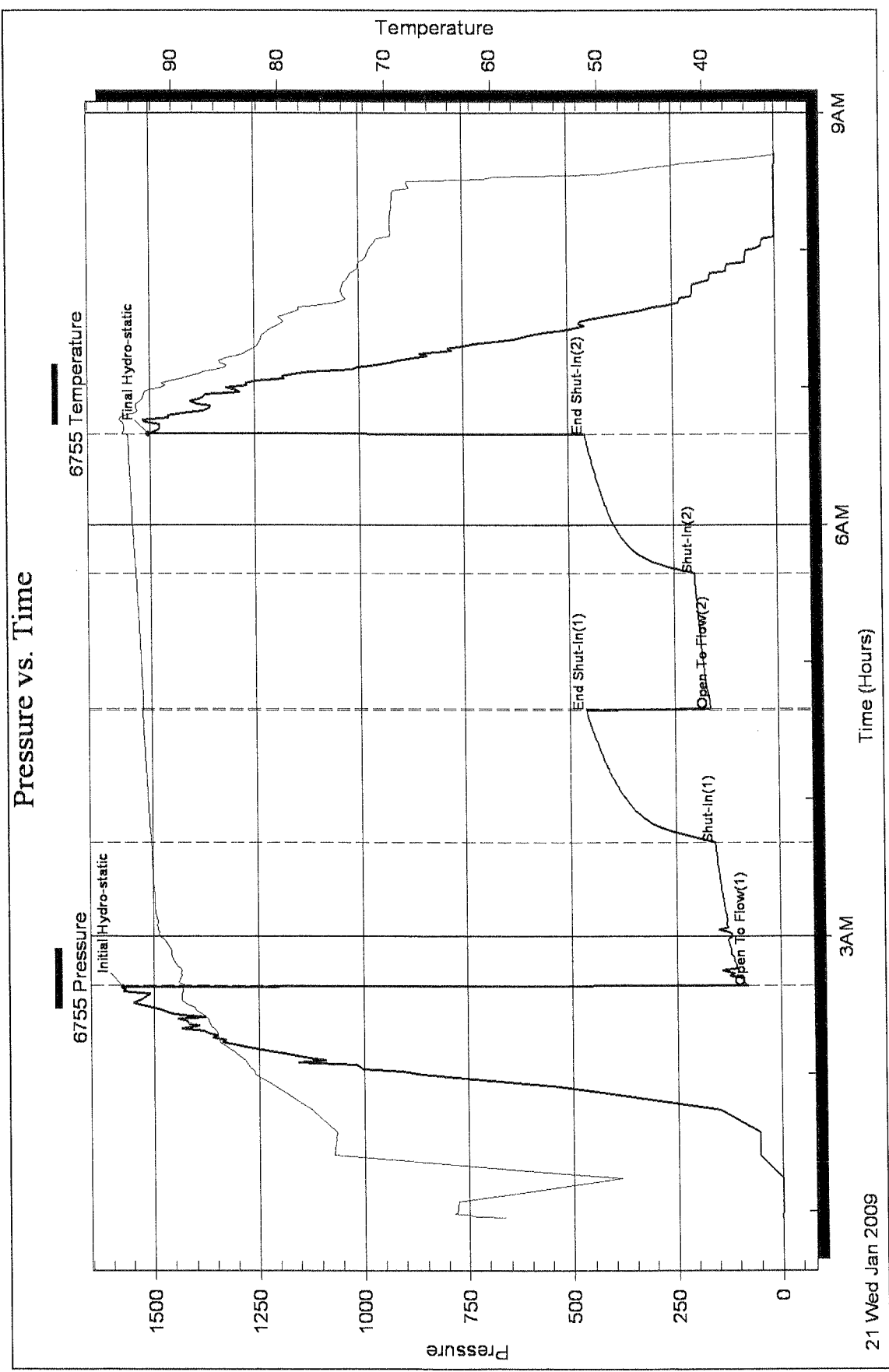
Num Gas Bombs: 0

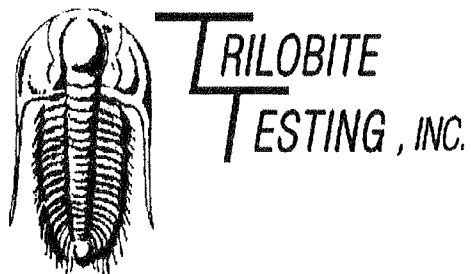
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .475 @ 30F





DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc**

PO Box 60544
Plainfield, IL 60544

ATTN: Kevin Bailey

6-16s-14w-Barton KS

Radke #1-6

Start Date: 2009.01.21 @ 15:37:49

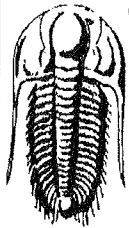
End Date: 2009.01.21 @ 20:25:49

Job Ticket #: 36077 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Russell Oil, Inc

PO Box 60544
Plainfield, IL 60544

ATTN: Kevin Bailey

Radke #1-6

6-16s-14w-Barton KS

Job Ticket: 36077

DST#: 2

Test Start: 2009.01.21 @ 15:37:49

GENERAL INFORMATION:

Formation: **"D-E-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:06:49

Time Test Ended: 20:25:49

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: 3175.00 ft (KB) To 3195.00 ft (KB) (TVD)

Total Depth: 3195.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1892.00 ft (KB)

1882.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6755 Inside

Press@RunDepth: 14.62 psig @ 3177.00 ft (KB)

Start Date: 2009.01.21

End Date: 2009.01.21

Start Time: 15:37:51

End Time: 20:25:49

Capacity: 7000.00 psig

Last Calib.: 2009.01.21

Time On Btm: 2009.01.21 @ 17:06:19

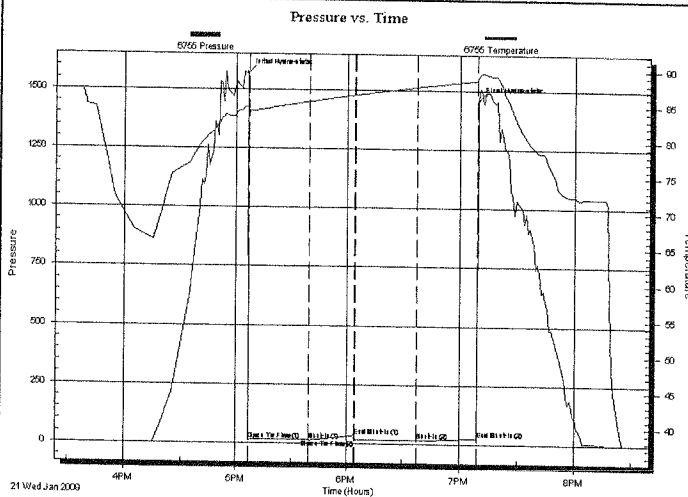
Time Off Btm: 2009.01.21 @ 19:09:19

TEST COMMENT: IFP-Weak Surface Blow, Building to 1/4"

ISI-Dead

FFP-Dead

FSI-Dead



PRESSURE SUMMARY

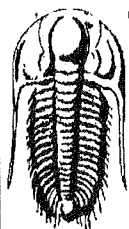
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1570.09	84.68	Initial Hydro-static
1	14.18	83.57	Open To Flow (1)
33	14.33	85.46	Shut-In (1)
58	34.67	86.41	End Shut-In (1)
59	14.26	86.42	Open To Flow (2)
91	14.62	87.56	Shut-In (2)
123	25.05	88.54	End Shut-In (2)
123	1456.99	89.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud	0.07

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil, Inc

Radke #1-6

PO Box 60544
Plainfield, IL 60544

6-16s-14w-Barton KS

Job Ticket: 36077

DST#: 2

ATTN: Kevin Bailey

Test Start: 2009.01.21 @ 15:37:49

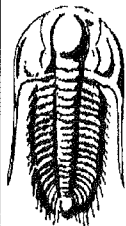
Tool Information

Drill Pipe:	Length: 3160.00 ft	Diameter: 3.80 inches	Volume: 44.33 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	35000.00 lb
			<u>Total Volume: 44.33 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	3175.00 ft			Final	35000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	41.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3155.00	
Shut In Tool	5.00			3160.00	
Hydraulic tool	5.00			3165.00	
Packer	5.00			3170.00	21.00 Bottom Of Top Packer
Packer	5.00			3175.00	
Stubb	1.00			3176.00	
Perforations	1.00			3177.00	
Recorder	0.00	8360	Inside	3177.00	
Recorder	0.00	6755	Inside	3177.00	
Perforations	15.00			3192.00	
Bullnose	3.00			3195.00	20.00 Bottom Packers & Anchor

Total Tool Length: 41.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc

Radke #1-6

PO Box 60544
Plainfield, IL 60544

6-16s-14w-Barton KS

Job Ticket: 36077

DST#: 2

ATTN: Kevin Bailey

Test Start: 2009.01.21 @ 15:37:49

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 8.74 in³

Resistivity: ohm.m

Salinity: 7500.00 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
5.00	Drilling Mud	0.070

Total Length:

5.00 ft

Total Volume:

0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

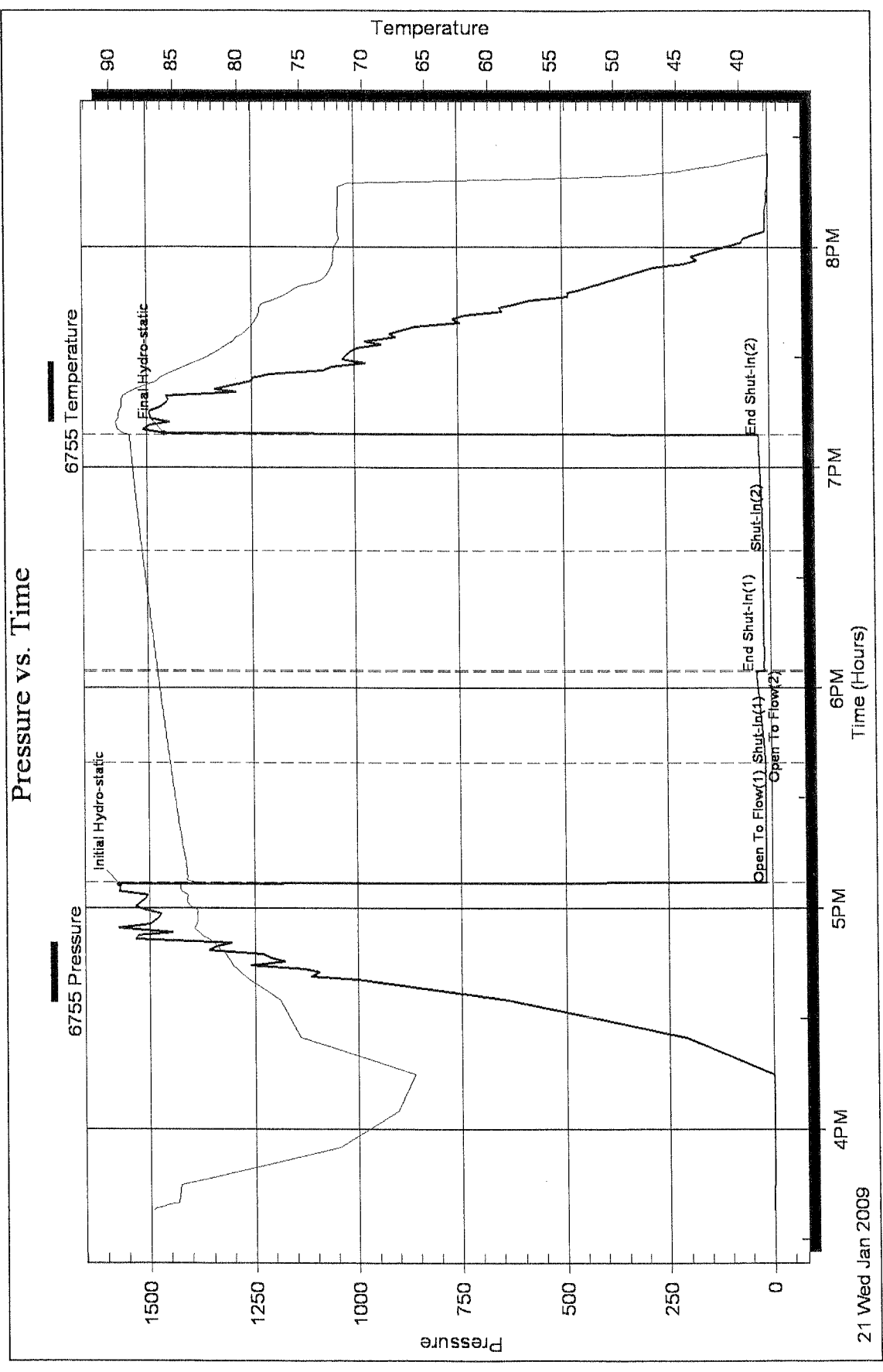
Serial #:

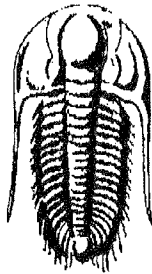
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc**

PO Box 60544
Plainfield, Il. 60544

ATTN: Kevin Bailey

6-16s-14w-Barton KS

Radke #1-6

Start Date: 2009.01.22 @ 10:15:35

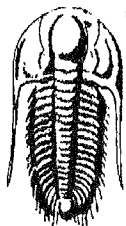
End Date: 2009.01.22 @ 18:12:05

Job Ticket #: 36079 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Russell Oil, Inc

PO Box 60544
Plainfield, IL 60544

ATTN: Kevin Bailey

Radke #1-6

6-16s-14w-Barton KS

Job Ticket: 36079

DST#: 3

Test Start: 2009.01.22 @ 10:15:35

GENERAL INFORMATION:

Formation: **"H-I-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:45:35

Time Test Ended: 18:12:05

Interval: **3220.00 ft (KB) To 3320.00 ft (KB) (TVD)**

Total Depth: 3320.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Reference Elevations: 1892.00 ft (KB)

1882.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6755

Inside

Press@RunDepth: 133.42 psig @ 3223.00 ft (KB)

Start Date: 2009.01.22

End Date:

2009.01.22

Start Time: 10:15:37

End Time:

18:12:05

Capacity: 7000.00 psig

Last Calib.: 2009.01.22

Time On Btm: 2009.01.22 @ 11:44:35

Time Off Btm: 2009.01.22 @ 15:49:05

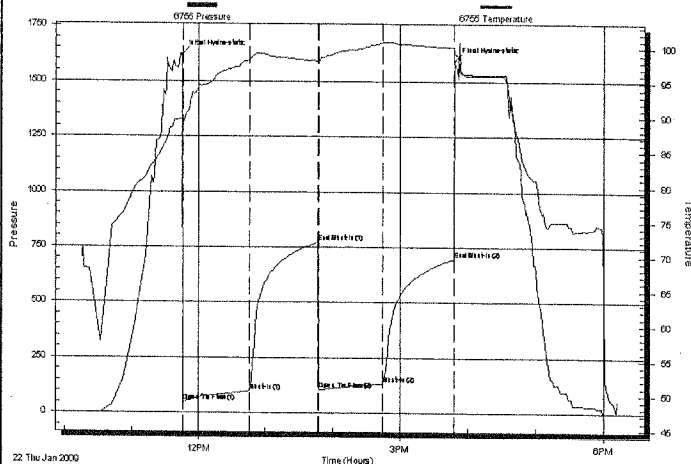
TEST COMMENT: IFP-Good Blow, BOB in 37 Mn.

ISI-Dead

FFP-Good Blow, Built to 11"

FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

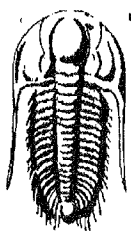
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1620.46	89.72	Initial Hydro-static
1	48.90	89.25	Open To Flow (1)
62	98.85	98.34	Shut-In (1)
123	771.26	98.16	End Shut-In (1)
123	103.45	97.93	Open To Flow (2)
181	133.42	100.82	Shut-In (2)
244	696.52	100.13	End Shut-In (2)
245	1592.36	99.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	SOCM-10%O-90%M	0.91
120.00	VSOCMW-2%O-53%W-45%M	1.68

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil, Inc

Radke #1-6

PO Box 60544
Plainfield, IL 60544

6-16s-14w-Barton KS

Job Ticket: 36079

DST#: 3

ATTN: Kevin Bailey

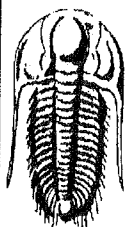
Test Start: 2009.01.22 @ 10:15:35

Tool Information

Drill Pipe:	Length: 3220.00 ft	Diameter: 3.80 inches	Volume: 45.17 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	40000.00 lb
		Total Volume:	45.17 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	34000.00 lb
Depth to Top Packer:	3220.00 ft			Final	37000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	100.00 ft				
Tool Length:	121.00 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			3200.00	
Shut In Tool	5.00			3205.00	
Hydraulic tool	5.00			3210.00	
Packer	5.00			3215.00	21.00 Bottom Of Top Packer
Packer	5.00			3220.00	
Stubb	1.00			3221.00	
Perforations	1.00			3222.00	
Recorder	0.00	8360	Inside	3222.00	
Change Over Sub	1.00			3223.00	
Recorder	0.00	6755	Inside	3223.00	
Blank Spacing	63.00			3286.00	
Change Over Sub	1.00			3287.00	
Perforations	30.00			3317.00	
Bullnose	3.00			3320.00	100.00 Bottom Packers & Anchor

Total Tool Length: 121.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc

Radke #1-6

PO Box 60544
Plainfield, IL 60544

6-16s-14w-Barton KS

Job Ticket: 36079

DST#: 3

ATTN: Kevin Bailey

Test Start: 2009.01.22 @ 10:15:35

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 9.96 in³

Resistivity: ohm.m

Salinity: 9000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity:

17000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	SOCM-10%O-90%M	0.912
120.00	VSOCMMV-2%O-53%V-45%M	1.683

Total Length: 185.00 ft

Total Volume: 2.595 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

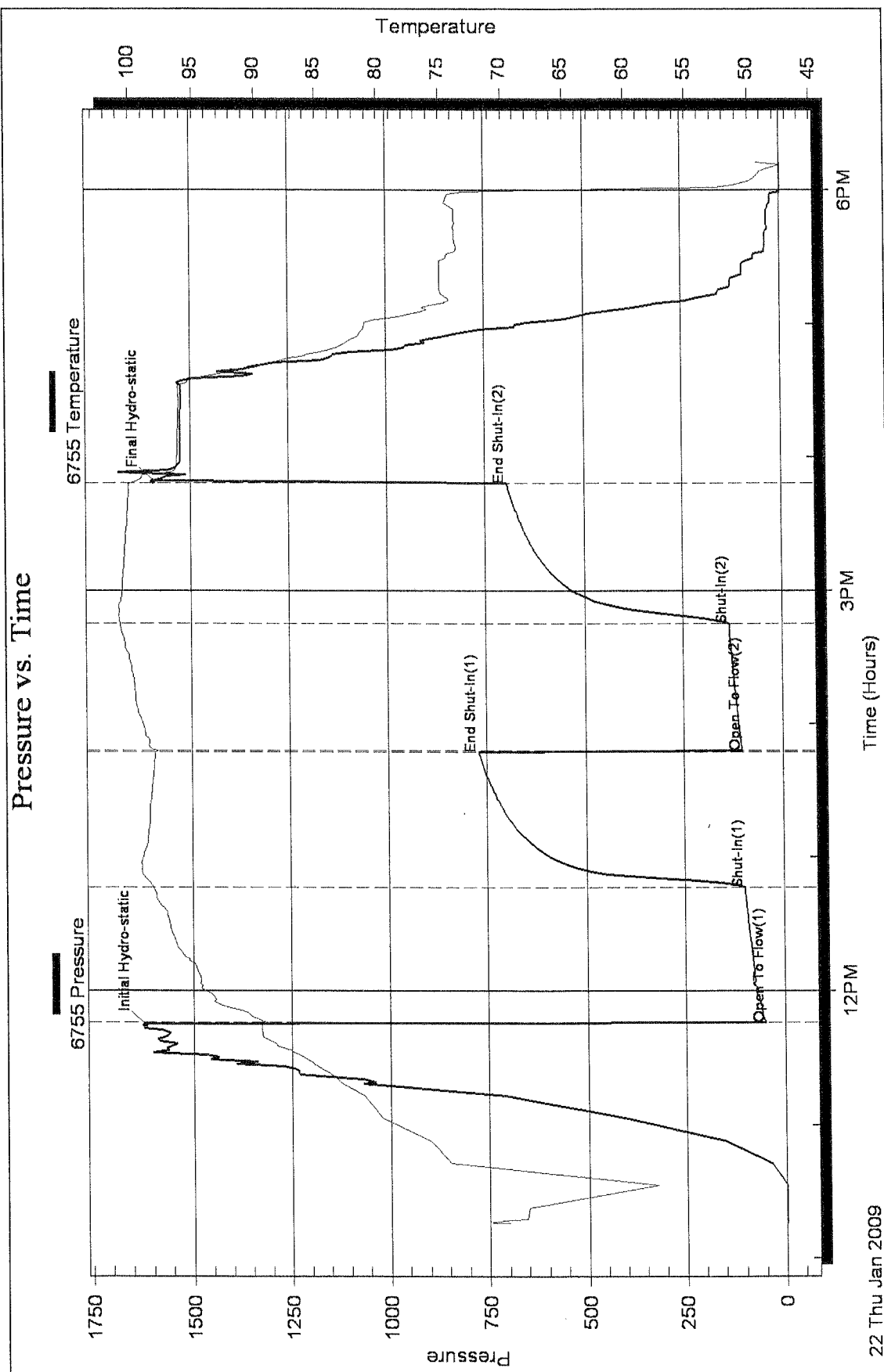
Serial #:

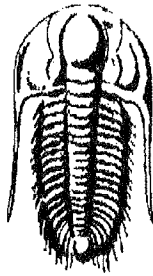
Laboratory Name:

Laboratory Location:

Recovery Comments: RW .419 @ 61F

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc**

PO Box 60544
Plainfield, IL 60544

ATTN: Kevin Bailey

6-16s-14w-Barton KS

Radke #1-6

Start Date: 2009.01.23 @ 01:30:05

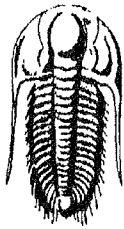
End Date: 2009.01.23 @ 06:41:35

Job Ticket #: 36080 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Russell Oil, Inc

PO Box 60544
Plainfield, IL 60544

ATTN: Kevin Bailey

Radke #1-6

6-16s-14w-Barton KS

Job Ticket: 36080

DST#: 4

Test Start: 2009.01.23 @ 01:30:05

GENERAL INFORMATION:

Formation: **Bottom KC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:17:05

Time Test Ended: 06:41:35

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3320.00 ft (KB) To 3350.00 ft (KB) (TVD)**

Total Depth: 3350.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1892.00 ft (KB)

1882.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6755 Inside

Press@RunDepth: 14.66 psig @ 3322.00 ft (KB)

Start Date: 2009.01.23

End Date: 2009.01.23

Start Time: 01:30:07

End Time: 06:41:35

Capacity: 7000.00 psig

Last Calib.: 2009.01.23

Time On Btm: 2009.01.23 @ 03:16:35

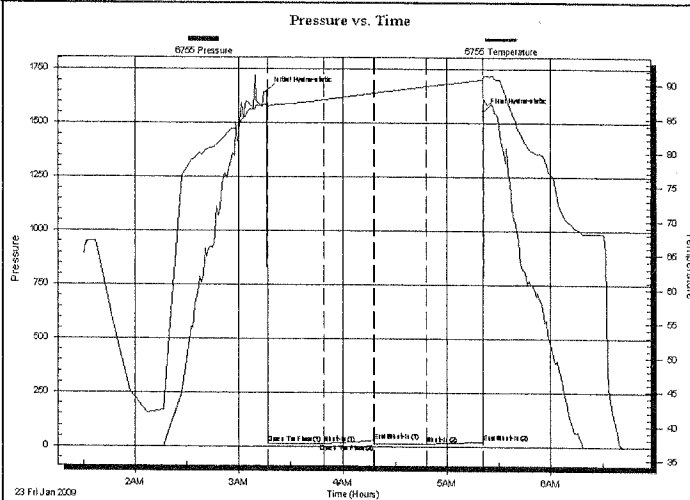
Time Off Btm: 2009.01.23 @ 05:21:05

TEST COMMENT: IFP-Weak Surface Blow, Died in 20 Min.

ISI-Dead

FFP-Dead

FSI-Dead



PRESSURE SUMMARY

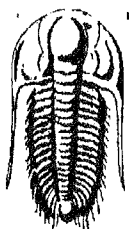
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1649.08	87.12	Initial Hydro-static
1	14.28	86.70	Open To Flow (1)
33	14.71	87.72	Shut-In(1)
61	29.17	88.72	End Shut-In(1)
62	13.94	88.74	Open To Flow (2)
92	14.66	89.72	Shut-In(2)
124	23.71	90.70	End Shut-In(2)
125	1556.65	91.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud W/Oil Spots	0.07

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil, Inc

PO Box 60544
Plainfield, IL 60544

ATTN: Kevin Bailey

Radke #1-6

6-16s-14w-Barton KS

Job Ticket: 36080

DST#: 4

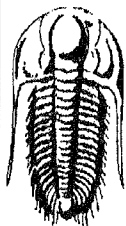
Test Start: 2009.01.23 @ 01:30:05

Tool Information

Drill Pipe:	Length: 3314.00 ft	Diameter: 3.80 inches	Volume: 46.49 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	35000.00 lb
		Total Volume:	46.49 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	3320.00 ft			Final	35000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	51.00 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			3300.00	
Shut In Tool	5.00			3305.00	
Hydraulic tool	5.00			3310.00	
Packer	5.00			3315.00	21.00 Bottom Of Top Packer
Packer	5.00			3320.00	
Stubb	1.00			3321.00	
Perforations	1.00			3322.00	
Recorder	0.00	8360	Inside	3322.00	
Recorder	0.00	6755	Inside	3322.00	
Perforations	25.00			3347.00	
Bullnose	3.00			3350.00	30.00 Bottom Packers & Anchor
Total Tool Length:		51.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc

Radke #1-6

PO Box 60544
Plainfield, IL 60544

6-16s-14w-Barton KS

Job Ticket: 36080

DST#: 4

ATTN: Kevin Bailey

Test Start: 2009.01.23 @ 01:30:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 8.75 in³

Resistivity: ohm.m

Salinity: 7500.00 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
5.00	Mud W/Oil Spots	0.070

Total Length:

5.00 ft

Total Volume:

0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 4

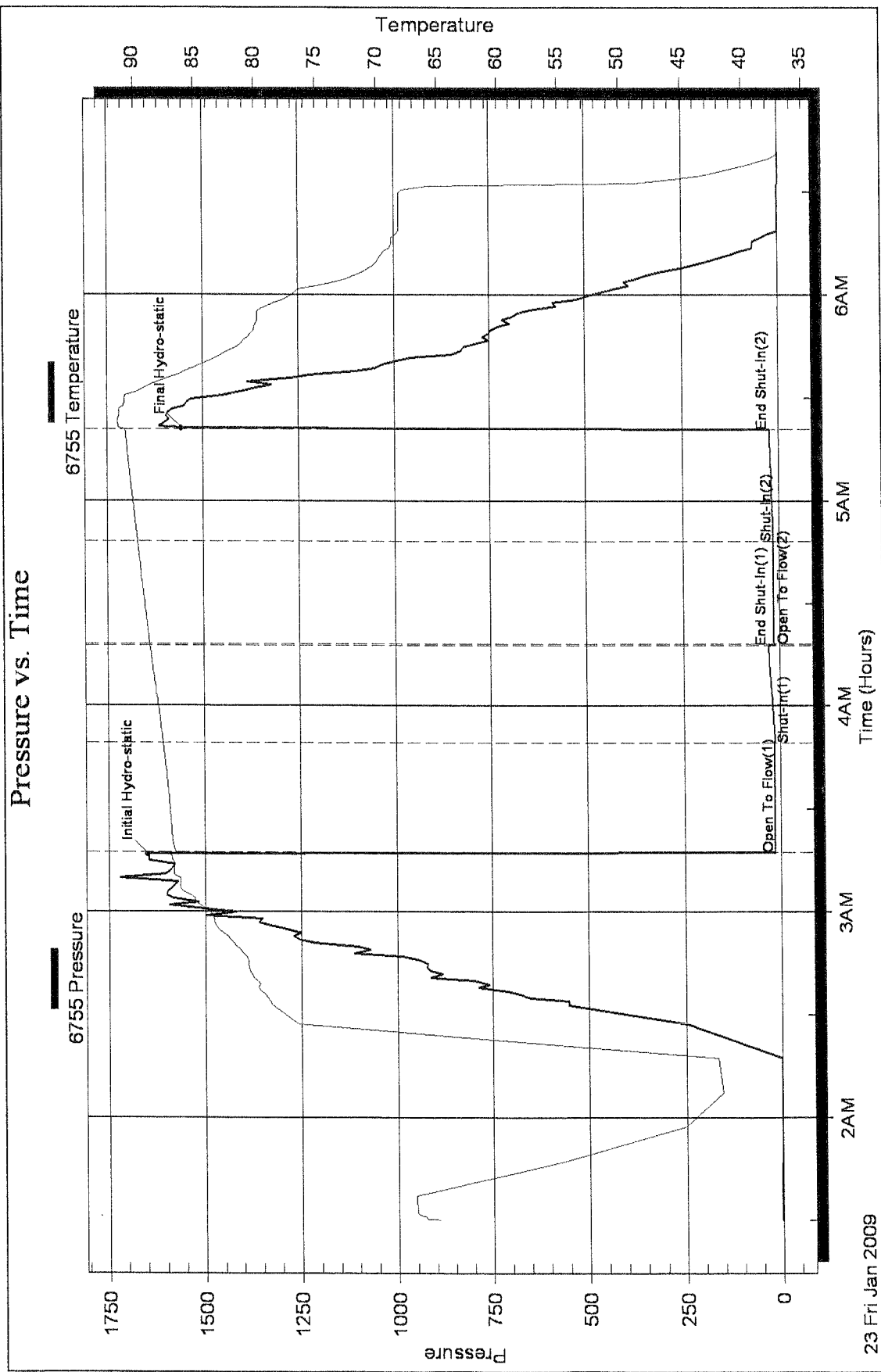
6-16s-14w -Barton KS

Russell Oil, Inc

Inside

Serial #: 6755

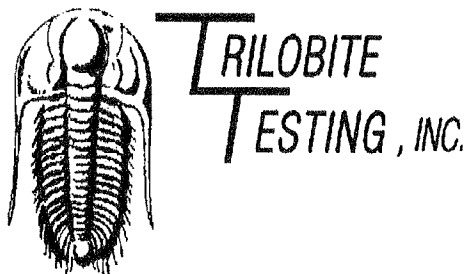
Pressure vs. Time



Ref. No: 36080

Trilobite Testing, Inc

Printed: 2009.01.27 @ 10:17:15 Page 5



DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc**

PO Box 60544
Plainfield, Il. 60544

ATTN: Kevin Bailey

6-16s-14w-Barton KS

Radke #1-6

Start Date: 2009.01.23 @ 14:08:06

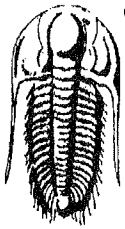
End Date: 2009.01.23 @ 18:28:06

Job Ticket #: 36081 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Russell Oil, Inc

PO Box 60544
Plainfield, IL 60544

ATTN: Kevin Bailey

Radke #1-6

6-16s-14w-Barton KS

Job Ticket: 36081

DST#: 5

Test Start: 2009.01.23 @ 14:08:06

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 18:28:06

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3350.00 ft (KB) To 3361.00 ft (KB) (TVD)**

Total Depth: 3361.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1892.00 ft (KB)

1882.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6755 Inside

Press@RunDepth: psig @ 3353.00 ft (KB)

Start Date: 2009.01.23

End Date:

2009.01.23

Start Time: 14:08:08

End Time:

18:28:06

Capacity: 7000.00 psig

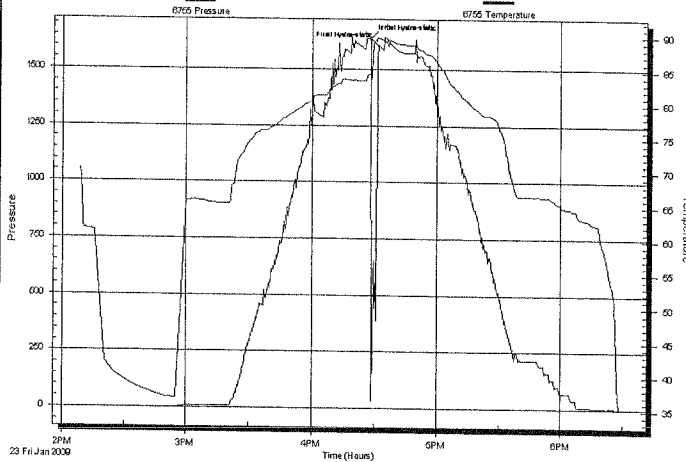
Last Calib.: 2009.01.23

Time On Btm: 2009.01.23 @ 16:28:06

Time Off Btm: 2009.01.23 @ 16:32:06

TEST COMMENT: IFP-Packer Failure, Pull Tool

Pressure vs. Time



PRESSURE SUMMARY

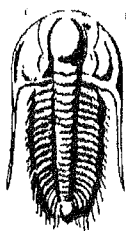
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1635.29	84.60	Initial Hydro-static
4	1600.55	89.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
450.00	Drilling Mud	6.31

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil, Inc

PO Box 60544
Plainfield, IL 60544

ATTN: Kevin Bailey

Radke #1-6

6-16s-14w-Barton KS

Job Ticket: 36081

DST#: 5

Test Start: 2009.01.23 @ 14:08:06

Tool Information

Drill Pipe:	Length: 3349.00 ft	Diameter: 3.80 inches	Volume: 46.98 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	50000.00 lb
		Total Volume:	46.98 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	37000.00 lb
Depth to Top Packer:	3350.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	11.00 ft				
Tool Length:	32.00 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			3330.00	
Shut In Tool	5.00			3335.00	
Hydraulic tool	5.00			3340.00	
Packer	5.00			3345.00	21.00 Bottom Of Top Packer
Packer	5.00			3350.00	
Stubb	1.00			3351.00	
Perforations	2.00			3353.00	
Recorder	0.00	8360	Inside	3353.00	
Recorder	0.00	6755	Inside	3353.00	
Perforations	5.00			3358.00	
Bullnose	3.00			3361.00	11.00 Bottom Packers & Anchor

Total Tool Length: 32.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc

Radke #1-6

PO Box 60544
Plainfield, IL 60544

6-16s-14w-Barton KS

Job Ticket: 36081

DST#: 5

ATTN: Kevin Bailey

Test Start: 2009.01.23 @ 14:08:06

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 8.75 in³

Resistivity: ohm.m

Salinity: 7500.00 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
450.00	Drilling Mud	6.312

Total Length: 450.00 ft

Total Volume: 6.312 bbl

Num Fluid Samples: 0

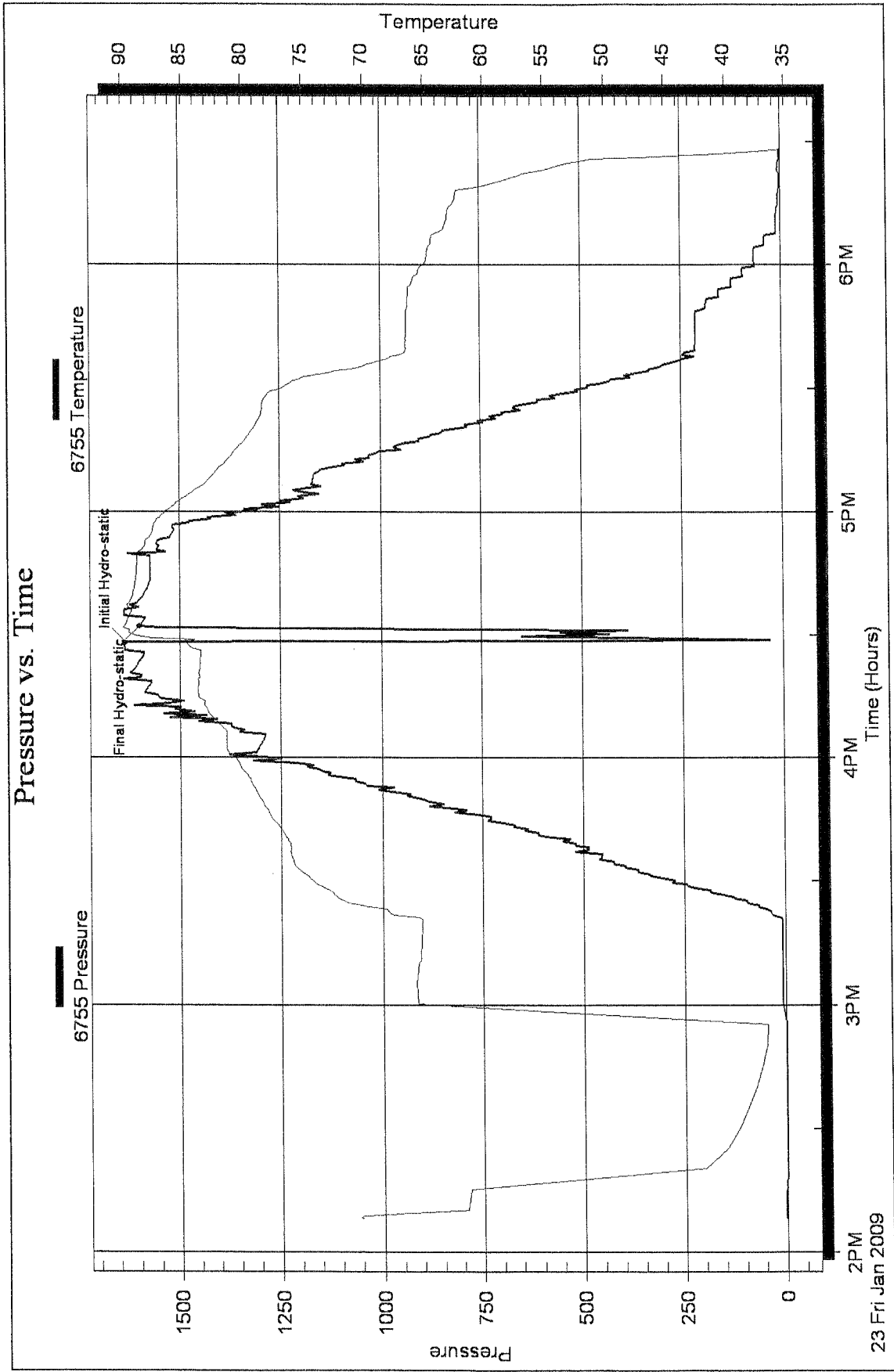
Num Gas Bombs: 0

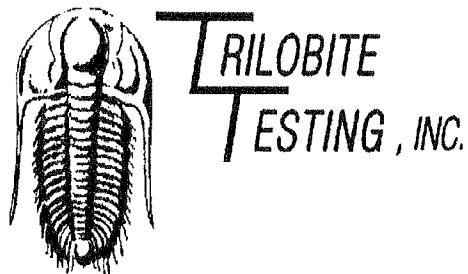
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc**

PO Box 60544
Plainfield, Il. 60544

ATTN: Kevin Bailey

6-16s-14w-Barton KS

Radke #1-6

Start Date: 2009.01.23 @ 18:51:30

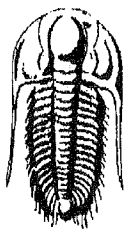
End Date: 2009.01.24 @ 02:40:30

Job Ticket #: 36082 DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil, Inc

PO Box 60544
Plainfield, IL 60544

ATTN: Kevin Bailey

Radke #1-6

6-16s-14w-Barton KS

Job Ticket: 36082

DST#: 6

Test Start: 2009.01.23 @ 18:51:30

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:01:30

Time Test Ended: 02:40:30

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3320.00 ft (KB) To 3361.00 ft (KB) (TVD)**

Total Depth: 3361.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1892.00 ft (KB)

1882.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6755 Inside

Press@RunDepth: 41.98 psig @ 3323.00 ft (KB)

Start Date: 2009.01.23

End Date:

2009.01.24

Start Time: 18:51:32

End Time:

02:40:30

Capacity: 7000.00 psig

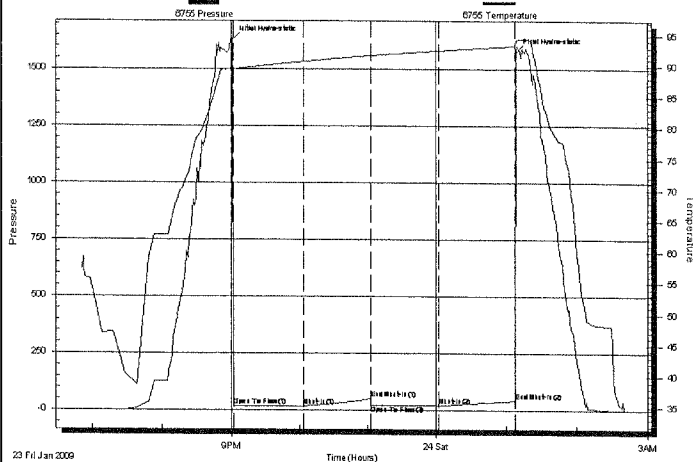
Last Calib.: 2009.01.24

Time On Btm: 2009.01.23 @ 21:01:00

Time Off Btm: 2009.01.24 @ 01:08:00

TEST COMMENT: IFP-Weak Blow,Built to 1",Died in 30 Min.
ISI-Dead
FFP-Very Weak Surface Blow for 10 Min.
FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

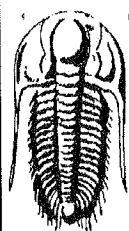
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1628.28	89.74	Initial Hydro-static
1	16.67	88.91	Open To Flow (1)
62	18.13	90.71	Shut-In(1)
121	50.65	91.69	End Shut-In(1)
122	19.50	91.68	Open To Flow(2)
181	20.43	92.48	Shut-In(2)
247	41.98	93.24	End Shut-In(2)
247	1575.41	94.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
12.00	Drilling Mud	0.17

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil, Inc

PO Box 60544
Plainfield, IL 60544

ATTN: Kevin Bailey

Radke #1-6

6-16s-14w-Barton KS

Job Ticket: 36082

DST#: 6

Test Start: 2009.01.23 @ 18:51:30

Tool Information

Drill Pipe:	Length: 3318.00 ft	Diameter: 3.80 inches	Volume: 46.54 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	37000.00 lb
		Total Volume:	46.54 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	37000.00 lb
Depth to Top Packer:	3320.00 ft			Final	37000.00 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	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3300.00	
Shut In Tool	5.00			3305.00	
Hydraulic tool	5.00			3310.00	
Packer	5.00			3315.00	21.00 Bottom Of Top Packer
Packer	5.00			3320.00	
Stubb	1.00			3321.00	
Perforations	1.00			3322.00	
Recorder	0.00	8360	Inside	3322.00	
Change Over Sub	1.00			3323.00	
Recorder	0.00	6755	Inside	3323.00	
Blank Spacing	31.00			3354.00	
Change Over Sub	1.00			3355.00	
Perforations	3.00			3358.00	
Bullnose	3.00			3361.00	41.00 Bottom Packers & Anchor
Total Tool Length:		62.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc

Radke #1-6

PO Box 60544
Plainfield, IL 60544

6-16s-14w-Barton KS

Job Ticket: 36082

DST#: 6

ATTN: Kevin Bailey

Test Start: 2009.01.23 @ 18:51:30

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: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
12.00	Drilling Mud	0.168

Total Length: 12.00 ft

Total Volume: 0.168 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 6

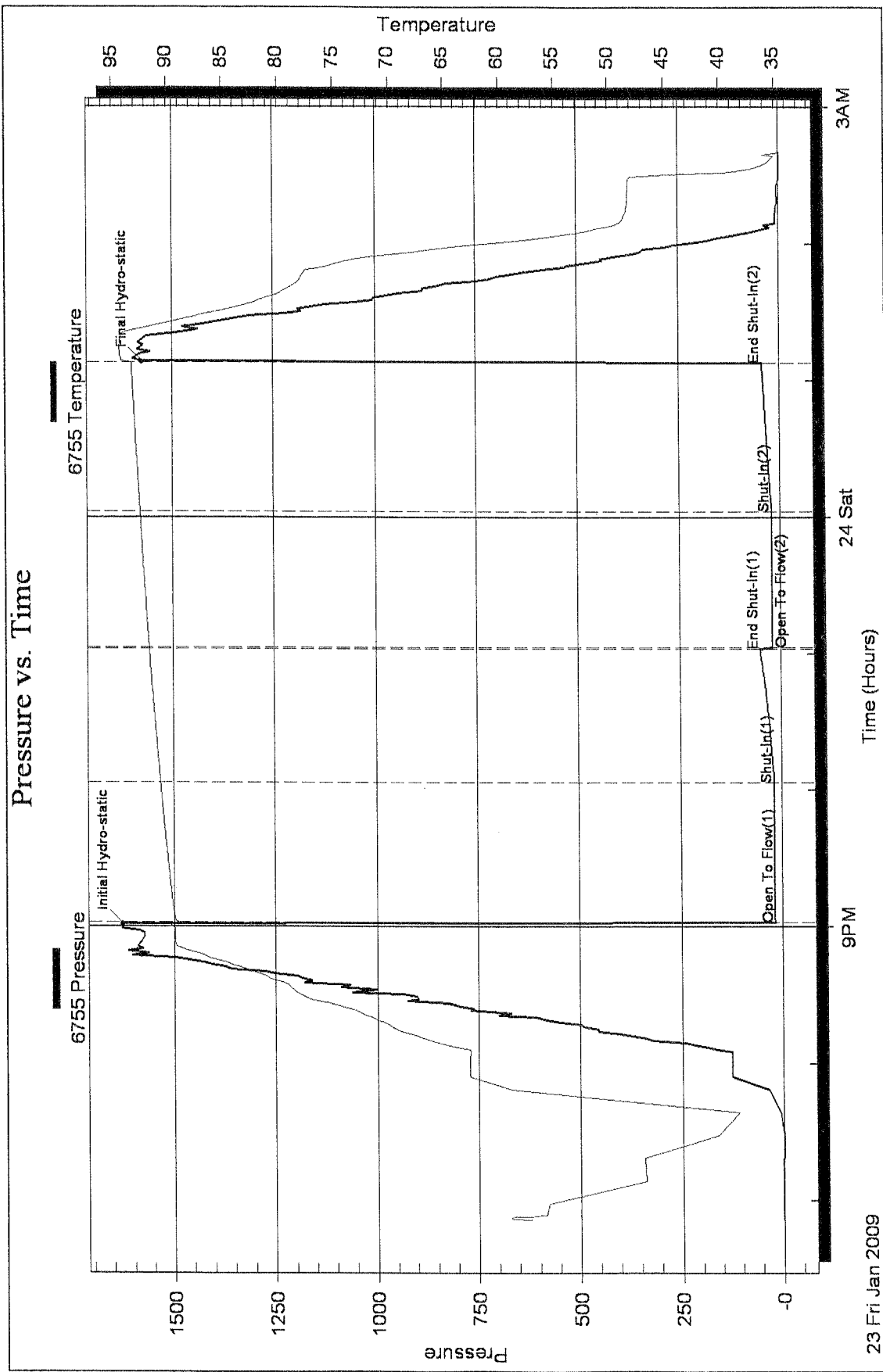
6-16s-14w -Barton KS

Russell Oil, Inc

Inside

Serial #: 6755

Pressure vs. Time



Ref. No: 36082

Trilobite Testing, Inc