

DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc**

PO Box 1469
Plainfield IL 60544

ATTN: Steve Angle

19 10 30 Sheridan KS

Ferguson A #1-19

Start Date: 2007.04.23 @ 07:21:01

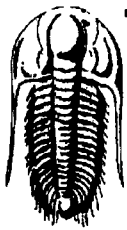
End Date: 2007.04.23 @ 14:39:25

Job Ticket #: 26460 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

Russell Oil Inc
PO Box 1469
Plainfield IL 60544
ATTN: Steve Angle

Ferguson A #1-19
19 10 30 Sheridan KS
Job Ticket: 26460 **DST#: 1**
Test Start: 2007.04.23 @ 07:21:01

GENERAL INFORMATION:

Formation: **KC**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 10:08:26
Time Test Ended: 14:39:25

Test Type: **Conventional Bottom Hole**
Tester: **Shane McBride**
Unit No: **40**

Interval: **4031.00 ft (KB) To 4162.00 ft (KB) (TVD)**
Total Depth: **4162.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2887.00 ft (KB)**
2876.00 ft (CF)
KB to GR/CF: **11.00 ft**

Serial #: 6667

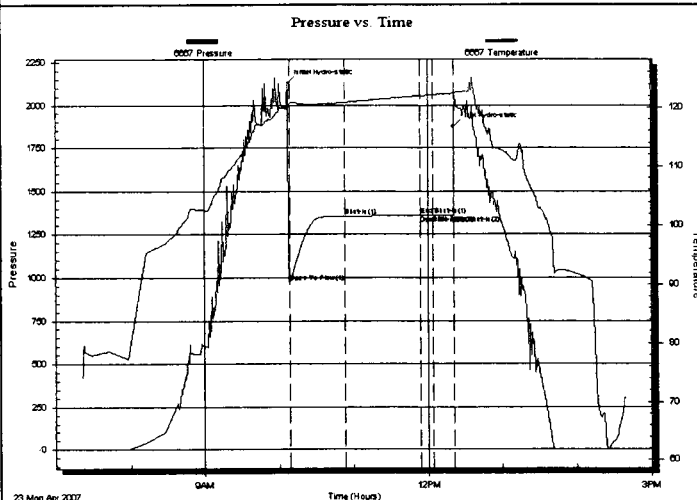
Inside

Press@RunDepth: **1356.33 psig @ 4032.00 ft (KB)**
Start Date: **2007.04.23** End Date: **2007.04.23**
Start Time: **07:21:01** End Time: **14:39:25**

Capacity: **7000.00 psig**
Last Calib.: **2007.04.23**
Time On Btm: **2007.04.23 @ 10:07:26**
Time Off Btm: **2007.04.23 @ 12:20:55**

TEST COMMENT: BOB in 1/2 min. died back to 6 "

No return
No blow
No return



PRESSURE SUMMARY

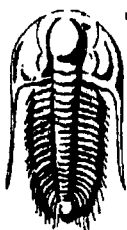
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2126.48	120.24	Initial Hydro-static
1	972.38	120.60	Open To Flow (1)
46	1354.37	120.87	Shut-In(1)
107	1356.39	121.99	End Shut-In(1)
107	1356.39	121.99	Open To Flow (2)
117	1356.33	122.15	Shut-In(2)
134	1356.61	122.42	End Shut-In(2)
134	1873.97	122.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2760.00	Water reversed out 100%W	36.16
180.00	MCW 50%M 50%W	2.52
150.00	SWCM 15%W 85%M	2.10

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 1469
Plainfield IL 60544

ATTN: Steve Angle

Ferguson A #1-19

19 10 30 Sheridan KS

Job Ticket: 26460

DST#: 1

Test Start: 2007.04.23 @ 07:21:01

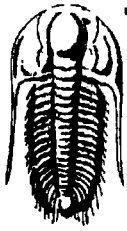
Tool Information

Drill Pipe:	Length: 3752.00 ft	Diameter: 3.80 inches	Volume: 52.63 bbl	Tool Weight:	1500.00 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: 280.00 ft	Diameter: 2.25 inches	Volume: 1.38 bbl	Weight to Pull Loose:	110000.0 lb
			Total Volume: 54.01 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	79000.00 lb
Depth to Top Packer:	4031.00 ft			Final	94000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	131.00 ft				
Tool Length:	150.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4017.00	
Hydraulic tool	5.00			4022.00	
Packer	5.00			4027.00	19.00 Bottom Of Top Packer
Packer	4.00		Inside	4031.00	
Stubb	1.00			4032.00	
Recorder	0.00	6667	Inside	4032.00	
Perforations	28.00			4060.00	
Change Over Sub	1.00			4061.00	
Drill Pipe	95.00			4156.00	
Change Over Sub	1.00			4157.00	
Recorder	0.00	11058	Inside	4157.00	
Bullnose	5.00			4162.00	131.00 Bottom Packers & Anchor

Total Tool Length: 150.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc

Ferguson A #1-19

PO Box 1469
Plainfield IL 60544

19 10 30 Sheridan KS

Job Ticket: 26460

DST#: 1

ATTN: Steve Angle

Test Start: 2007.04.23 @ 07:21:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

38500 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.68 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2760.00	Water reversed out 100%W	36.165
180.00	MCW 50%M 50%W	2.525
150.00	SWCM 15%W 85%M	2.104

Total Length: 3090.00 ft

Total Volume: 40.794 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

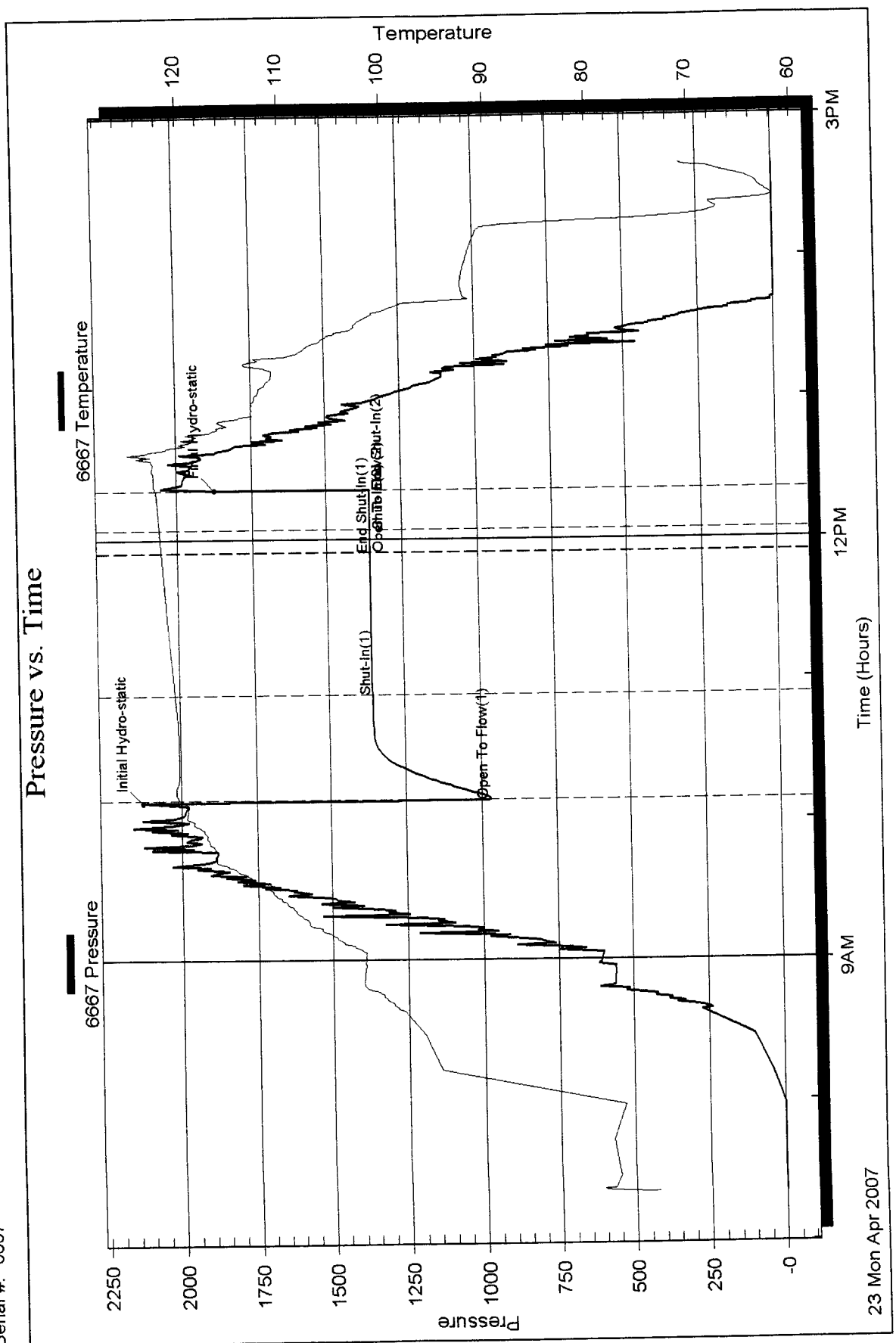
DST Test Number: 1

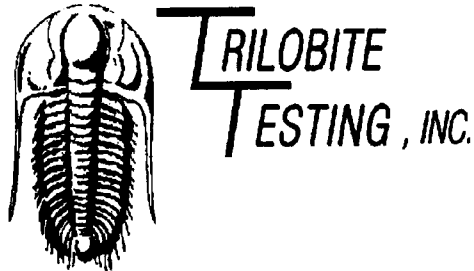
19 10 30 Sheridan KS

Inside Russell Oil Inc

Serial #: 6667

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc**

PO Box 1469
Plainfield IL 60544

ATTN: Steve Angle

19 10 30 Sheridan KS

Ferguson A #1-19

Start Date: 2007.04.23 @ 22:50:01

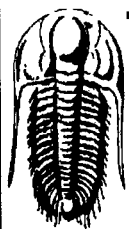
End Date: 2007.04.24 @ 05:55:55

Job Ticket #: 26461 DST #: 2

Trilobite Testing, Inc

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



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DRILL STEM TEST REPORT

Russell Oil Inc
PO Box 1469
Plainfield IL 60544
ATTN: Steve Angle

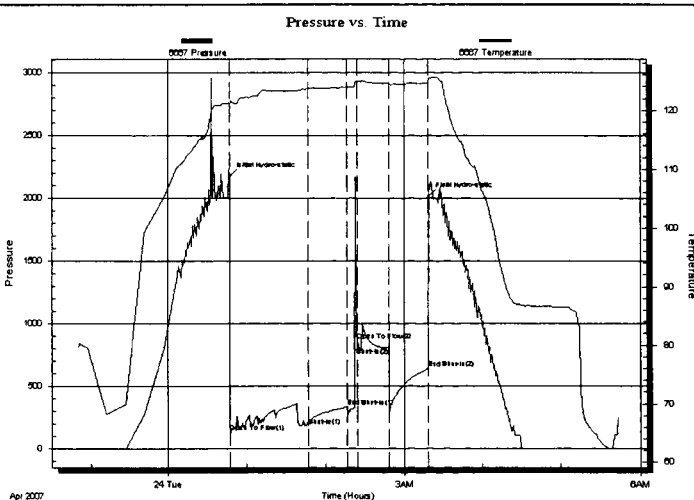
Ferguson A #1-19
19 10 30 Sheridan KS
Job Ticket: 26461 **DST#: 2**
Test Start: 2007.04.23 @ 22:50:01

GENERAL INFORMATION:

Formation: **KC**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 00:47:56
Time Test Ended: 05:55:55
Test Type: **Conventional Bottom Hole**
Tester: **Shane McBride**
Unit No: **40**
Interval: **4163.00 ft (KB) To 4220.00 ft (KB) (TVD)**
Reference Elevations: **2887.00 ft (KB)**
Total Depth: **4220.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
KB to GR/CF: **11.00 ft**

Serial #: 6667 **Inside**
Press@RunDepth: **806.45 psig @ 4164.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2007.04.23** End Date: **2007.04.24** Last Calib.: **2007.04.24**
Start Time: **22:50:01** End Time: **05:43:55** Time On Btm: **2007.04.24 @ 00:47:41**
Time Off Btm: **2007.04.24 @ 03:18:55**

TEST COMMENT: 7" blow (surging blow)
No return
No blow Flush tool good surge no blow flush again good surge no blow
No return



PRESSURE SUMMARY

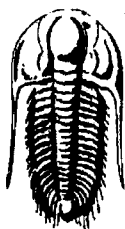
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2174.73	121.13	Initial Hydro-static
1	130.41	120.82	Open To Flow (1)
60	183.46	123.71	Shut-In (1)
89	336.82	123.87	End Shut-In (1)
97	863.38	124.88	Open To Flow (2)
121	806.45	124.55	Shut-In (2)
151	641.96	124.66	End Shut-In (2)
152	2011.23	125.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	GOCM 35%G 10%O 55%M	0.44
190.00	GSOCM 35%G 5%O 60%M	0.93
40.00	SGM 10%G 90%M	0.56

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 1469
Plainfield IL 60544

ATTN: Steve Angle

Ferguson A #1-19

19 10 30 Sheridan KS

Job Ticket: 26461

DST#: 2

Test Start: 2007.04.23 @ 22:50:01

Tool Information

Drill Pipe:	Length: 3878.00 ft	Diameter: 3.80 inches	Volume: 54.40 bbl	Tool Weight:	1500.00 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: 280.00 ft	Diameter: 2.25 inches	Volume: 1.38 bbl	Weight to Pull Loose:	130000.0 lb
			<u>Total Volume: 55.78 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	78000.00 lb
Depth to Top Packer:	4163.00 ft			Final	79000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	57.00 ft				
Tool Length:	76.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4149.00	
Hydraulic tool	5.00			4154.00	
Packer	5.00			4159.00	19.00 Bottom Of Top Packer
Packer	4.00		Inside	4163.00	
Stubb	1.00			4164.00	
Recorder	0.00	6667	Inside	4164.00	
Perforations	17.00			4181.00	
Change Over Sub	1.00			4182.00	
Drill Pipe	32.00			4214.00	
Change Over Sub	1.00			4215.00	
Recorder	0.00	11058	Inside	4215.00	
Bullnose	5.00			4220.00	57.00 Bottom Packers & Anchor

Total Tool Length: 76.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc

Ferguson A #1-19

PO Box 1469
Plainfield IL 60544

19 10 30 Sheridan KS

Job Ticket: 26461

DST#: 2

ATTN: Steve Angle

Test Start: 2007.04.23 @ 22:50:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.66 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	GOCM 35%G 10%O 55%M	0.443
190.00	GSOCM 35%G 5%O 60%M	0.934
40.00	SGM 10%G 90%M	0.561

Total Length: 320.00 ft

Total Volume: 1.938 bbl

Num Fluid Samples: 0

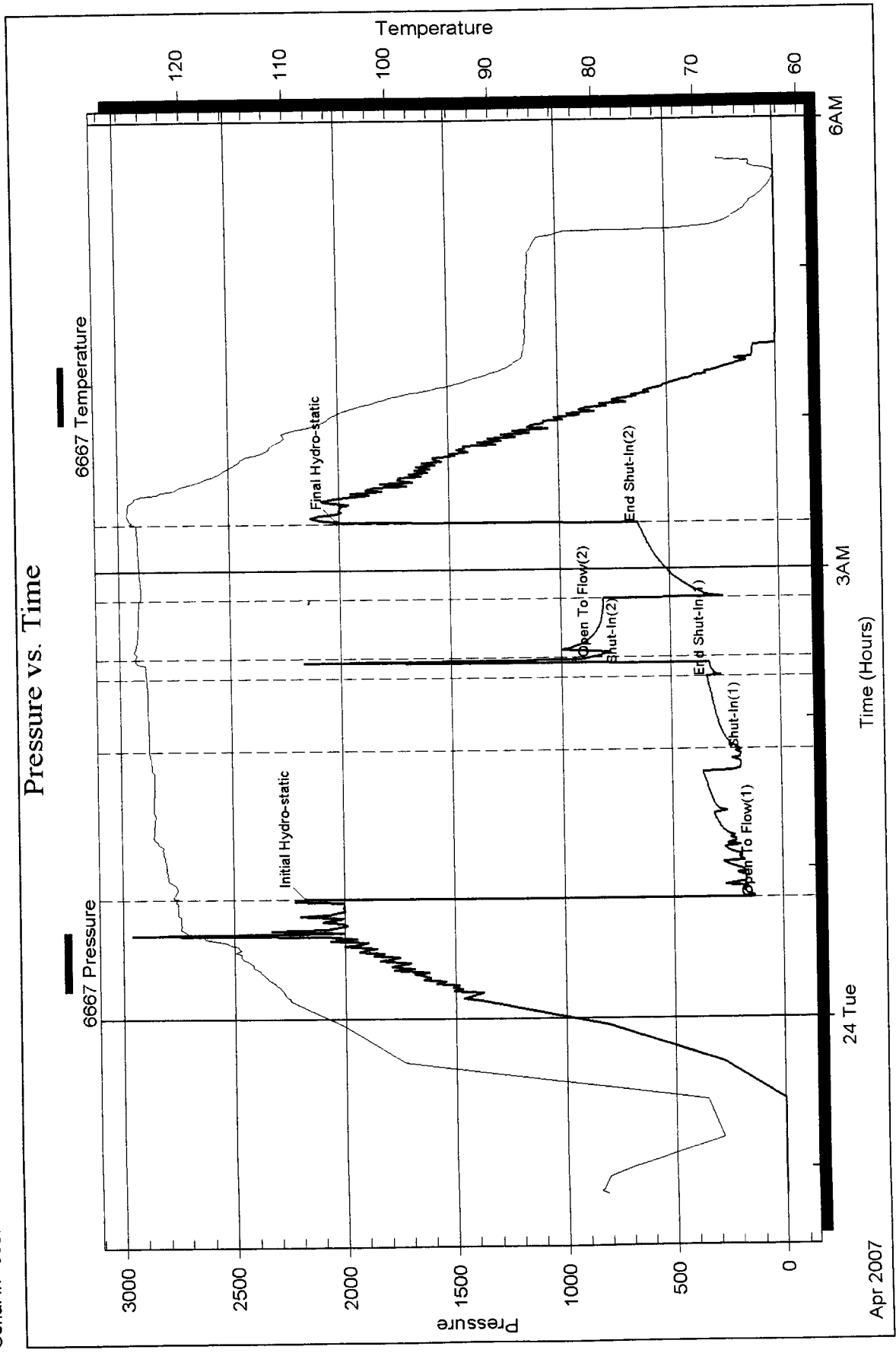
Num Gas Bombs: 0

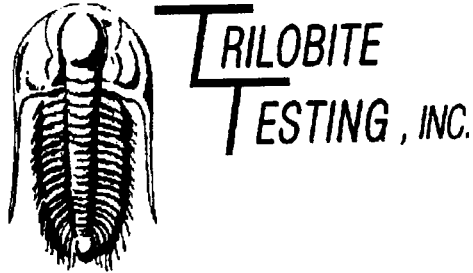
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc**

PO Box 1469
Plainfield IL 60544

ATTN: Steve Angle

19 10 30 Sheridan KS

Ferguson A #1-19

Start Date: 2007.04.24 @ 11:40:56

End Date: 2007.04.24 @ 21:45:21

Job Ticket #: 26462 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

Russell Oil Inc

PO Box 1469
Plainfield IL 60544

ATTN: Steve Angle

Ferguson A #1-19

19 10 30 Sheridan KS

Job Ticket: 26462

DST#: 3

Test Start: 2007.04.24 @ 11:40:56

GENERAL INFORMATION:

Formation: **KC**

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

Time Tool Opened: 14:04:36

Time Test Ended: 21:45:21

Interval: **4162.00 ft (KB) To 4220.00 ft (KB) (TVD)**

Total Depth: **4220.00 ft (KB) (TVD)**

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

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **40**

Reference Elevations: **2887.00 ft (KB)**

2876.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: 6667

Inside

Press@RunDepth: **190.38 psig @ 4163.00 ft (KB)**

Start Date: **2007.04.24**

End Date:

2007.04.24

Start Time: **11:40:56**

End Time:

21:35:21

Capacity: **7000.00 psig**

Last Calib.: **2007.04.24**

Time On Btm: **2007.04.24 @ 14:04:21**

Time Off Btm: **2007.04.24 @ 18:36:20**

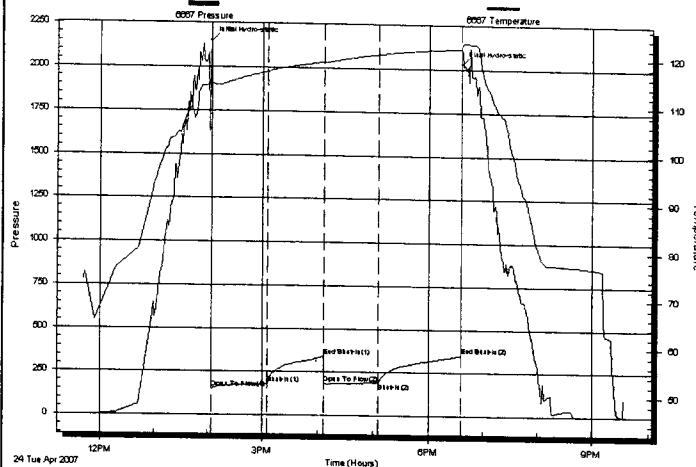
TEST COMMENT: Packers failed @ open reset packers held 1/2 " blow built to 6 1/2 " blow

No return

4 1/4 " blow

No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2151.61	115.06	Initial Hydro-static
1	154.44	114.50	Open To Flow (1)
61	179.97	117.03	Shut-In (1)
122	340.71	119.13	End Shut-In (1)
122	183.46	119.07	Open To Flow (2)
181	190.38	120.78	Shut-In (2)
272	352.06	122.19	End Shut-In (2)
272	2030.16	122.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
280.00	GOCM 35%G 20%O 45%M	1.38
85.00	SGM 10%G 90%M w /Oil spots	1.19

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 1469
Plainfield IL 60544

ATTN: Steve Angle

Ferguson A #1-19

19 10 30 Sheridan KS

Job Ticket: 26462

DST#: 3

Test Start: 2007.04.24 @ 11:40:56

Tool Information

Drill Pipe:	Length: 3878.00 ft	Diameter: 3.80 inches	Volume: 54.40 bbl	Tool Weight: 1500.00 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: 280.00 ft	Diameter: 2.25 inches	Volume: 1.38 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 55.78 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4162.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	77.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4148.00	
Hydraulic tool	5.00			4153.00	
Packer	5.00			4158.00	19.00 Bottom Of Top Packer
Packer	4.00		Inside	4162.00	
Stubb	1.00			4163.00	
Recorder	0.00	6667	Inside	4163.00	
Perforations	18.00			4181.00	
Change Over Sub	1.00			4182.00	
Drill Pipe	32.00			4214.00	
Change Over Sub	1.00			4215.00	
Recorder	0.00	11058	Inside	4215.00	
Bullnose	5.00			4220.00	58.00 Bottom Packers & Anchor

Total Tool Length: 77.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc

Ferguson A #1-19

PO Box 1469
Plainfield IL 60544

19 10 30 Sheridan KS

Job Ticket: 26462

DST#: 3

ATTN: Steve Angle

Test Start: 2007.04.24 @ 11:40:56

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.51 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
280.00	GOOM 35%G 20%O 45%M	1.377
85.00	SGM 10%G 90%M w/Oil spots	1.192

Total Length: 365.00 ft

Total Volume: 2.569 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

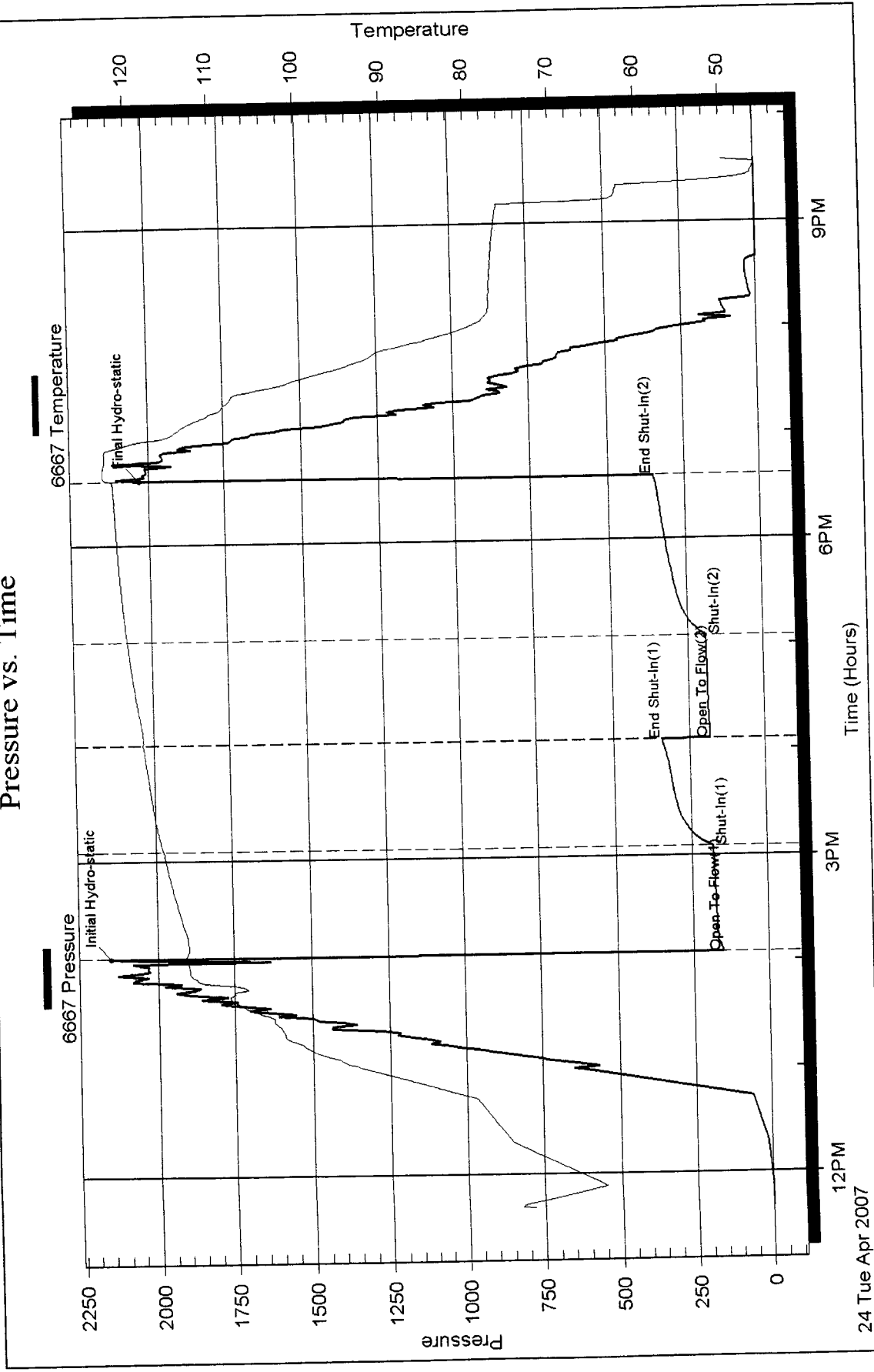
Serial #:

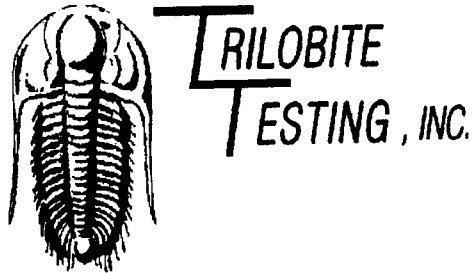
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc**

PO Box 1469
Plainfield IL 60544

ATTN: Steve Angle

19 10 30 Sheridan KS

Ferguson A #1-19

Start Date: 2007.04.26 @ 01:00:42

End Date: 2007.04.26 @ 10:10:22

Job Ticket #: 26463 DST #: 4

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil Inc

PO Box 1469
Plainfield IL 60544

ATTN: Steve Angle

Ferguson A #1-19

19 10 30 Sheridan KS

Job Ticket: 26463

DST#: 4

Test Start: 2007.04.26 @ 01:00:42

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:44:22

Time Test Ended: 10:10:22

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 40

Interval: **4220.00 ft (KB) To 4358.00 ft (KB) (TVD)**

Total Depth: 4358.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2887.00 ft (KB)

2876.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6667

Inside

Press@RunDepth: 242.86 psig @ 4221.00 ft (KB)

Start Date: 2007.04.26

End Date:

2007.04.26

Capacity: 7000.00 psig

Last Calib.: 2007.04.26

Start Time: 01:00:42

End Time:

09:55:22

Time On Btm: 2007.04.26 @ 03:43:52

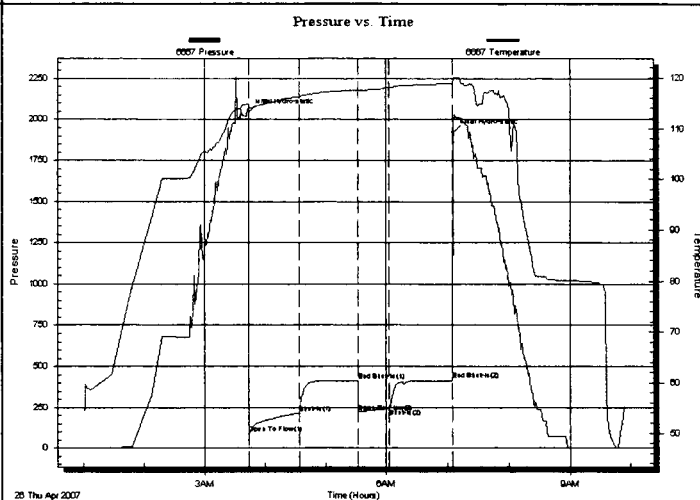
Time Off Btm: 2007.04.26 @ 07:05:36

TEST COMMENT: BOB in 10 min.

Surface return in 4 min. died in 35 min.

7" blow

Surface return in 4 min. died in 30 min.



PRESSURE SUMMARY

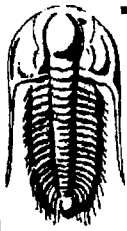
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2045.88	114.82	Initial Hydro-static
1	88.73	114.29	Open To Flow (1)
50	216.15	116.28	Shut-In(1)
109	414.60	117.60	End Shut-In(1)
109	221.38	117.53	Open To Flow (2)
139	242.86	118.03	Shut-In(2)
202	415.52	118.83	End Shut-In(2)
202	1921.93	119.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	GOCM 25%G 20%O 55%M	0.44
400.00	GSOCM 25%G 10%O 65%M	3.88

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 1469
Plainfield IL 60544

ATTN: Steve Angle

Ferguson A #1-19

19 10 30 Sheridan KS

Job Ticket: 26463

DST#: 4

Test Start: 2007.04.26 @ 01:00:42

Tool Information

Drill Pipe:	Length: 3945.00 ft	Diameter: 3.80 inches	Volume: 55.34 bbl
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl
Drill Collar:	Length: 280.00 ft	Diameter: 2.25 inches	Volume: 1.38 bbl
			Total Volume: 56.72 bbl

Tool Weight:	1500.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	115000.0 lb
Tool Chased	0.00 ft
String Weight: Initial	80000.00 lb
Final	82000.00 lb

Drill Pipe Above KB: 24.00 ft
Depth to Top Packer: 4220.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 138.00 ft
Tool Length: 157.00 ft
Number of Packers: 2
Tool Comments:

Diameter: 6.75 inches

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4206.00	
Hydraulic tool	5.00			4211.00	
Packer	5.00			4216.00	19.00 Bottom Of Top Packer
Packer	4.00		Inside	4220.00	
Stubb	1.00			4221.00	
Recorder	0.00	6667	Inside	4221.00	
Perforations	5.00			4226.00	
Change Over Sub	1.00			4227.00	
Drill Pipe	125.00			4352.00	
Change Over Sub	1.00			4353.00	
Recorder	0.00	11058	Inside	4353.00	
Bullnose	5.00			4358.00	138.00 Bottom Packers & Anchor
Total Tool Length:		157.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc

Ferguson A #1-19

PO Box 1469
Plainfield IL 60544

19 10 30 Sheridan KS

Job Ticket: 26463

DST#: 4

ATTN: Steve Angle

Test Start: 2007.04.26 @ 01:00:42

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.31 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	GOCM 25%G 20%O 55%M	0.443
400.00	GSOCM 25%G 10%O 65%M	3.880

Total Length: 490.00 ft

Total Volume: 4.323 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

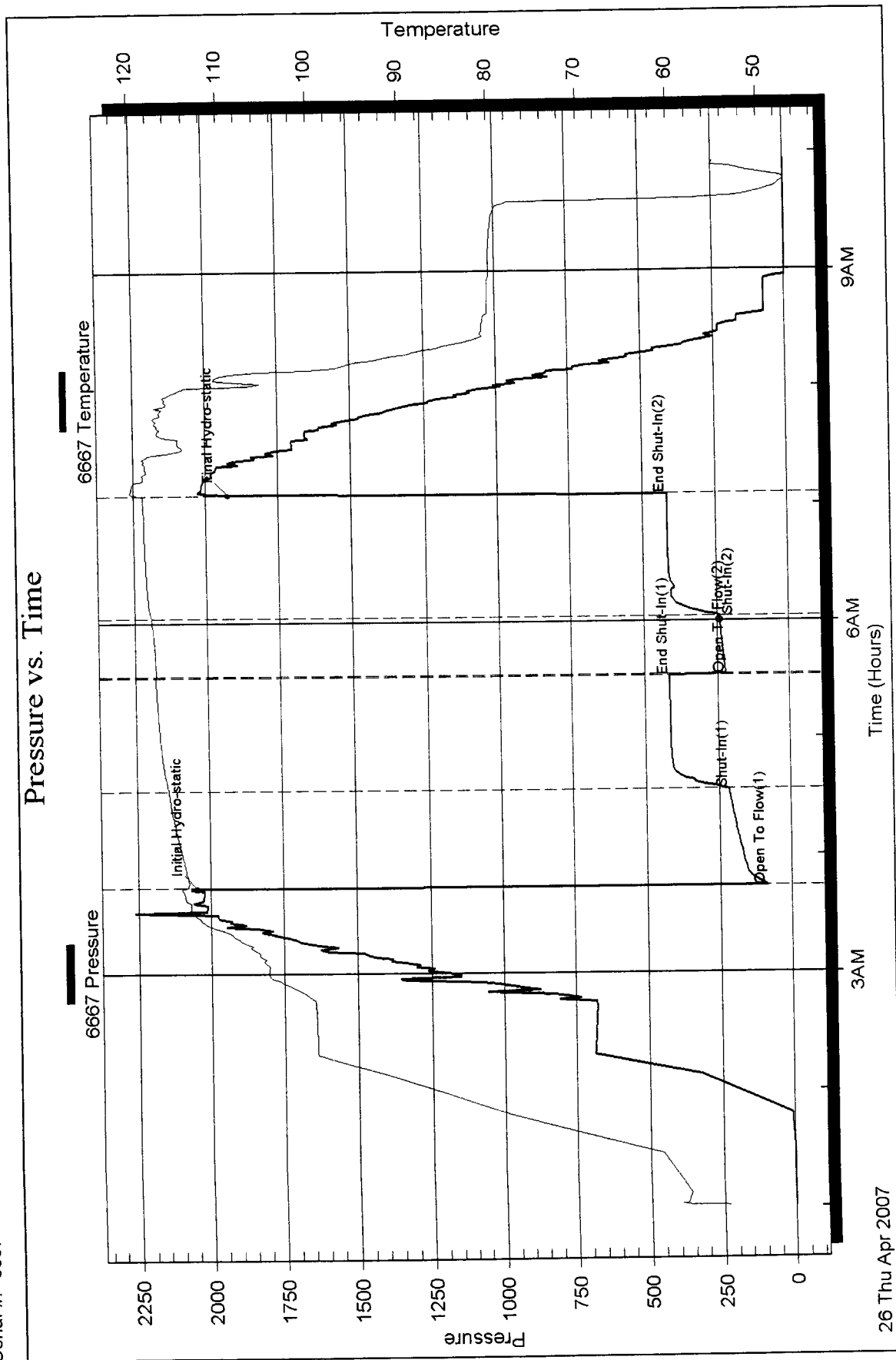
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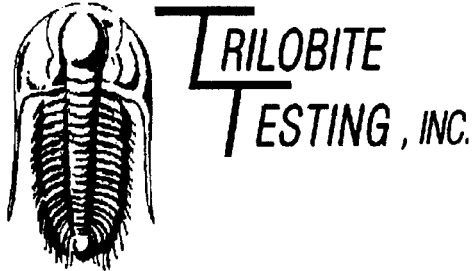
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc**

PO Box 1469
Plainfield IL 60544

ATTN: Steve Angle

19 10 30 Sheridan KS

Ferguson A #1-19

Start Date: 2007.04.28 @ 02:50:09

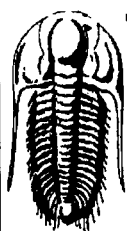
End Date: 2007.04.28 @ 12:10:19

Job Ticket #: 26464 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Russell Oil Inc

PO Box 1469
Plainfield IL 60544

ATTN: Steve Angle

Ferguson A #1-19

19 10 30 Sheridan KS

Job Ticket: 26464

DST#: 5

Test Start: 2007.04.28 @ 02:50:09

GENERAL INFORMATION:

Formation: J

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:56:34

Time Test Ended: 12:10:19

Test Type: Conventional Straddle

Tester: Shane McBride

Unit No: 40

Interval: 4130.00 ft (KB) To 4176.00 ft (KB) (TVD)

Reference Elevations: 2887.00 ft (KB)

Total Depth: 4530.00 ft (KB) (TVD)

2876.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6667

Inside

Press@RunDepth: 265.73 psig @ 4131.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2007.04.28

End Date:

2007.04.28

Last Calib.:

2007.04.28

Start Time: 02:50:09

End Time:

11:50:19

Time On Btm:

2007.04.28 @ 04:55:19

Time Off Btm:

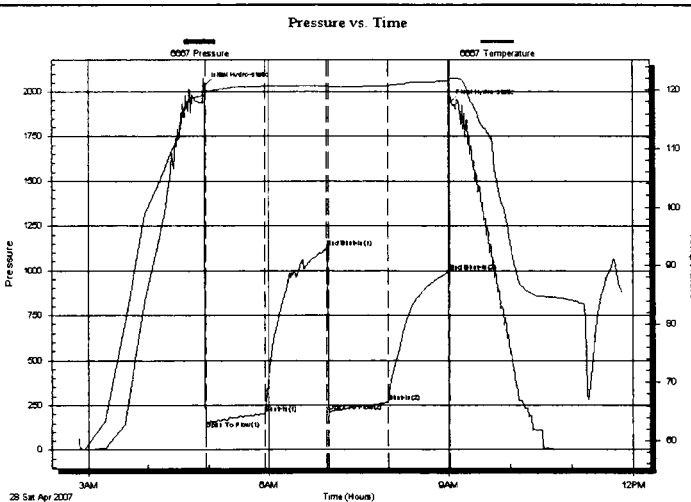
2007.04.28 @ 09:00:49

TEST COMMENT: BOB in 9 min.

Return blow in 5 min. built to 3 "

BOB in 14 min

Return blow in 4 min. built to 4 "



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2030.94	119.07	Initial Hydro-static
2	114.13	119.56	Open To Flow (1)
61	201.36	120.69	Shut-In(1)
122	1128.56	120.71	End Shut-In(1)
125	211.67	120.53	Open To Flow (2)
185	265.73	120.76	Shut-In(2)
246	994.52	121.49	End Shut-In(2)
246	1936.08	121.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
280.00	GOCM 40%G 30%O 30%M	1.38
280.00	GOCM 30%G 25%O 45%M	3.93

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Inc

PO Box 1469
Plainfield IL 60544

ATTN: Steve Angle

Ferguson A #1-19

19 10 30 Sheridan KS

Job Ticket: 26464

DST#: 5

Test Start: 2007.04.28 @ 02:50:09

Tool Information

Drill Pipe: Length: 3842.00 ft Diameter: 3.80 inches Volume: 53.89 bbl
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl
Drill Collar: Length: 280.00 ft Diameter: 2.25 inches Volume: 1.38 bbl
Total Volume: 55.27 bbl

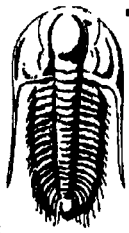
Tool Weight: 1500.00 lb
Weight set on Packer: 35000.00 lb
Weight to Pull Loose: 110000.0 lb
Tool Chased 0.00 ft
String Weight: Initial 85000.00 lb
Final 87000.00 lb

Drill Pipe Above KB: 12.00 ft
Depth to Top Packer: 4130.00 ft
Depth to Bottom Packer: 4176.00 ft
Interval between Packers: 46.00 ft
Tool Length: 419.00 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			4111.00	
Shut In Tool	5.00			4116.00	
Hydraulic tool	5.00			4121.00	
Packer	5.00			4126.00	20.00 Bottom Of Top Packer
Packer	4.00		Inside	4130.00	
Stubb	1.00			4131.00	
Recorder	0.00	6667	Inside	4131.00	
Perforations	5.00			4136.00	
Change Over Sub	1.00			4137.00	
Drill Pipe	31.00			4168.00	
Recorder	0.00	11057	Inside	4168.00	
Change Over Sub	1.00			4169.00	
Perforations	3.00			4172.00	
Blank Off Sub	1.00			4173.00	
top of s packer	3.00			4176.00	46.00 Tool Interval
Packer	1.00			4177.00	
Stubb	1.00			4178.00	
Anchor	27.00			4205.00	
Change Over Sub	1.00			4206.00	
Drill Pipe	317.00			4523.00	
Change Over Sub	1.00			4524.00	
Recorder	0.00	11058	Outside	4524.00	
Bullnose	5.00			4529.00	353.00 Bottom Packers & Anchor
Total Tool Length:		419.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc

Ferguson A #1-19

PO Box 1469
Plainfield IL 60544

19 10 30 Sheridan KS

Job Ticket: 26464

DST#: 5

ATTN: Steve Angle

Test Start: 2007.04.28 @ 02:50:09

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.93 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
280.00	GOCM 40%G 30%O 30%M	1.377
280.00	GOCM 30%G 25%O 45%M	3.928

Total Length: 560.00 ft

Total Volume: 5.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

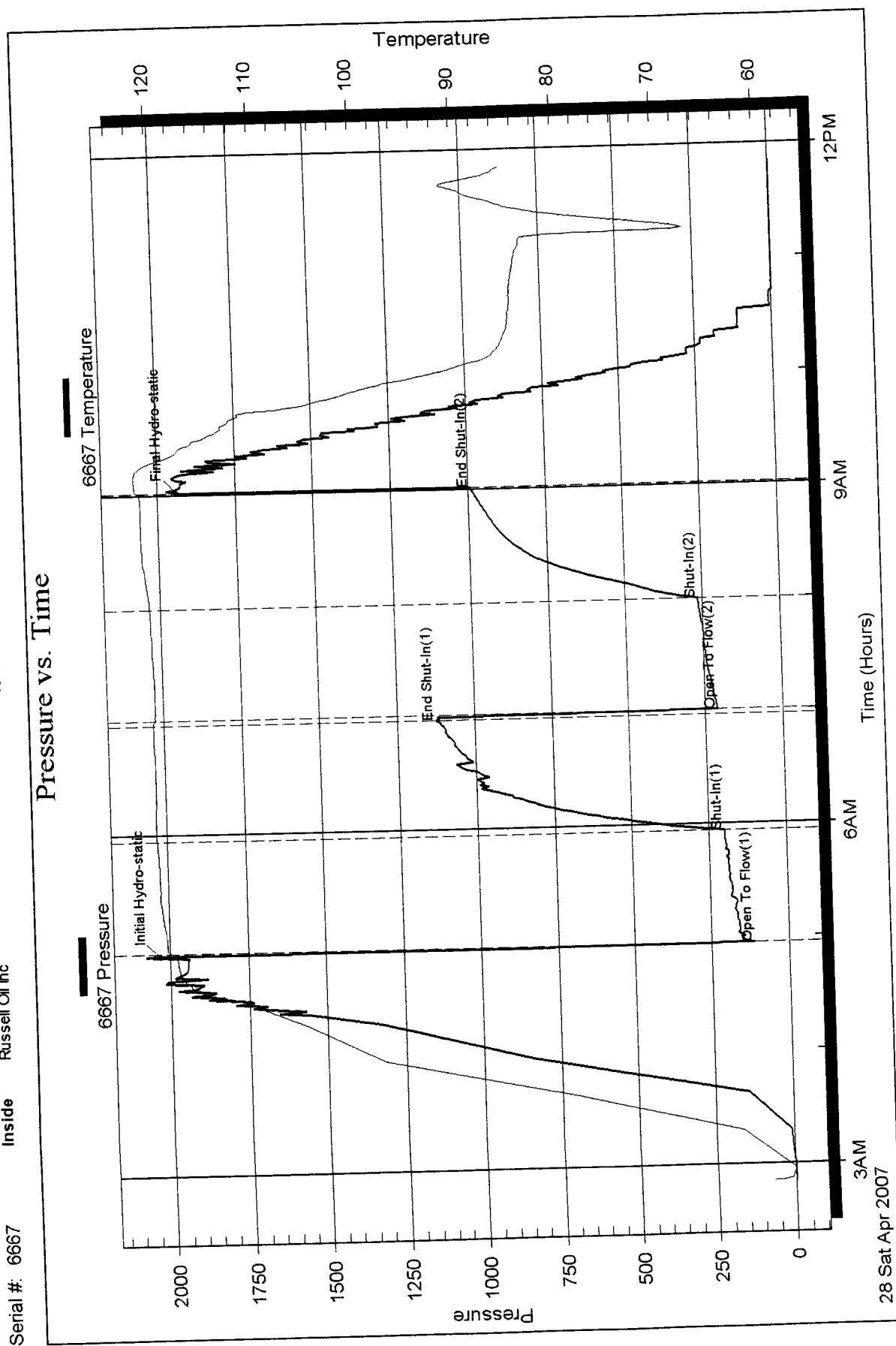
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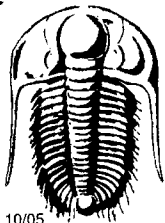
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26460

10085

Test Ticket

Well Name & No. <u>Ferguson A #1-19</u>	Test No. <u>#1</u>	Date <u>1/23/67</u>
Company <u>Russell Oil Inc</u>	Zone Tested <u>KC</u>	
Address <u>P.O. Box 1469, Plainfield, IL 60544</u>	Elevation <u>2887</u> KB <u>2874</u> GL	
Co. Rep / Geo. <u>Steve Angle</u>	Rig <u>H2 #1</u>	
Location: Sec. <u>19</u> Twp. <u>10</u> Rge. <u>30</u>	Co. <u>Sheridan</u> State <u>KS</u>	
Comment: _____	Release date / time: _____	

Interval Tested <u>4031</u>	<u>4162</u>	Initial Str Wt./Lbs. <u>79,000</u>	Unseated Str Wt./Lbs. <u>94,000</u>
Anchor Length _____	<u>131</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>110,000</u>
Top Packer Depth _____	<u>4026</u>	Tool Weight <u>1500</u>	
Bottom Packer Depth _____	<u>4031</u>	Hole Size 7 7/8" <u>✓</u>	Rubber Size 6 3/4" <u>✓</u>
Total Depth _____	<u>4162</u>	Wt. Pipe Run _____	Drill Collar Run <u>280'</u>
Mud Wt. <u>9.3</u> LCM <u>#1</u> Vis. <u>50</u> WL <u>8.8</u>		Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3752</u>
Blow Description <u>B.O.B. in 1/2 min, died back to 6" in.</u>			

No return

No blow

No return

Recovery - Total Feet <u>3090</u>	GIP _____	Ft. in DC <u>280'</u>	Ft. in DP <u>2810'</u>
Rec. <u>130'</u>	Feet of <u>SWCM</u>	%gas _____ %oil <u>15</u> %water <u>85</u> %mud _____	
Rec. <u>180'</u>	Feet of <u>mcw</u>	%gas _____ %oil <u>50</u> %water <u>50</u> %mud _____	
Rec. <u>2760'</u>	Feet of <u>Water (Reversed out)</u>	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud _____	
BHT <u>122°</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____ °API _____
RW <u>.189</u> @ <u>70°</u> °F	Chlorides <u>38,500</u> ppm	Recovery <u>38,500</u>	Chlorides <u>1500</u> ppm System

(A) Initial Hydrostatic Mud _____	AK-1 <u>2163</u> PSI	Alpine _____	Recorder No. <u>6667</u>	Test X <u>\$1200.00</u>
(B) First Initial Flow Pressure _____	<u>972</u> PSI	(depth) _____	<u>4032</u>	Jars _____
(C) First Final Flow Pressure _____	<u>1354</u> PSI	Recorder No. <u>11058</u>	<u>4157</u>	Safety Jt. _____
(D) Initial Shut-In Pressure _____	<u>1356</u> PSI	(depth) _____		Circ Sub X <u>\$50.00</u>
(E) Second Initial Flow Pressure _____	<u>1356</u> PSI	Recorder No. _____		Sampler _____
(F) Second Final Flow Pressure _____	<u>1356</u> PSI	(depth) _____		Straddle _____
(G) Final Shut-In Pressure _____	<u>1356</u> PSI	Initial Opening <u>45</u>		Ext. Packer _____
(Q) Final Hydrostatic Mud _____	<u>2051</u> PSI	Initial Shut-In <u>600</u>		Shale Packer _____

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Approved By _____

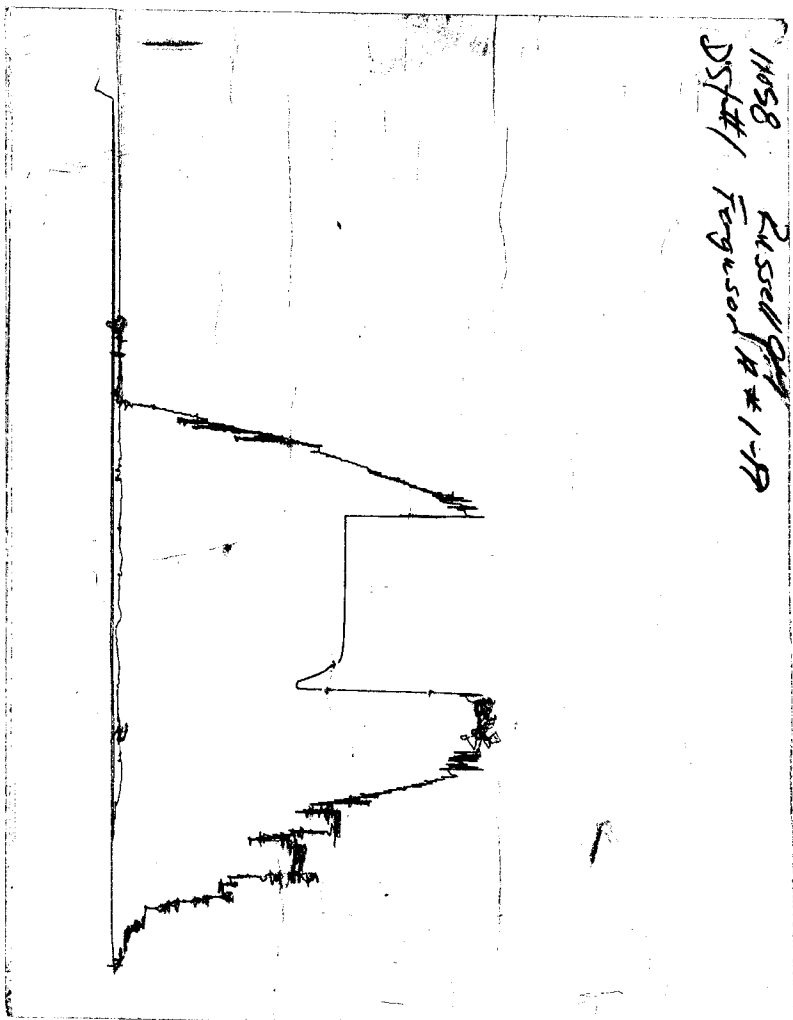
Our Representative _____

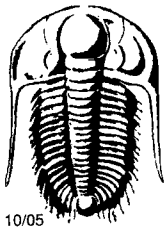
Final Flow <u>10</u>	
Final Shut-In <u>15</u>	
T-On Location <u>05:45</u>	<u>4.11</u>
T-Started <u>07:20</u>	<u>4.11</u>
T-Open <u>10:07</u>	<u>4.11</u>
T-Pulled <u>12:17</u>	<u>P.M.</u>
T-Out <u>14:50</u>	<u>P.M.</u>

Mileage <u>X 116.27</u>	<u>\$145.00</u>
Sub Total: <u>\$1395.00</u>	
Std. By _____	
Acc. Chg. X <u>\$150.00</u>	
Other: _____	
Total: <u>\$1545.00</u>	

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26461

Test Ticket

Well Name & No. Ferguson A # 1-19 Test No. #2 Date 4/24/07
 Company Russell Oil Inc. Zone Tested KC
 Address P.O. Box 1469 Plainfield, IL 60544 Elevation 2887 KB 2876 GL
 Co. Rep / Geo. Steve Angle Rig H2 #1
 Location: Sec. 19 Twp. 10 Rge. 30 Co. Sheridan State Ks
 Comment: _____ Release date / time: _____

Interval Tested 4163 4220 Initial Str Wt./Lbs. 78000 Unseated Str Wt./Lbs. 79000
 Anchor Length _____ 57 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 130000
 Top Packer Depth _____ 4158 Tool Weight 1500
 Bottom Packer Depth _____ 4163 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth _____ 4220 Wt. Pipe Run _____ Drill Collar Run 280'
 Mud Wt. 9.3 LCM #1 Vis. 50 WL 8.8 Drill Pipe Size 4 1/2 X H Ft. Run 3878'
 Blow Description 7' in blow (surging blow)
No return

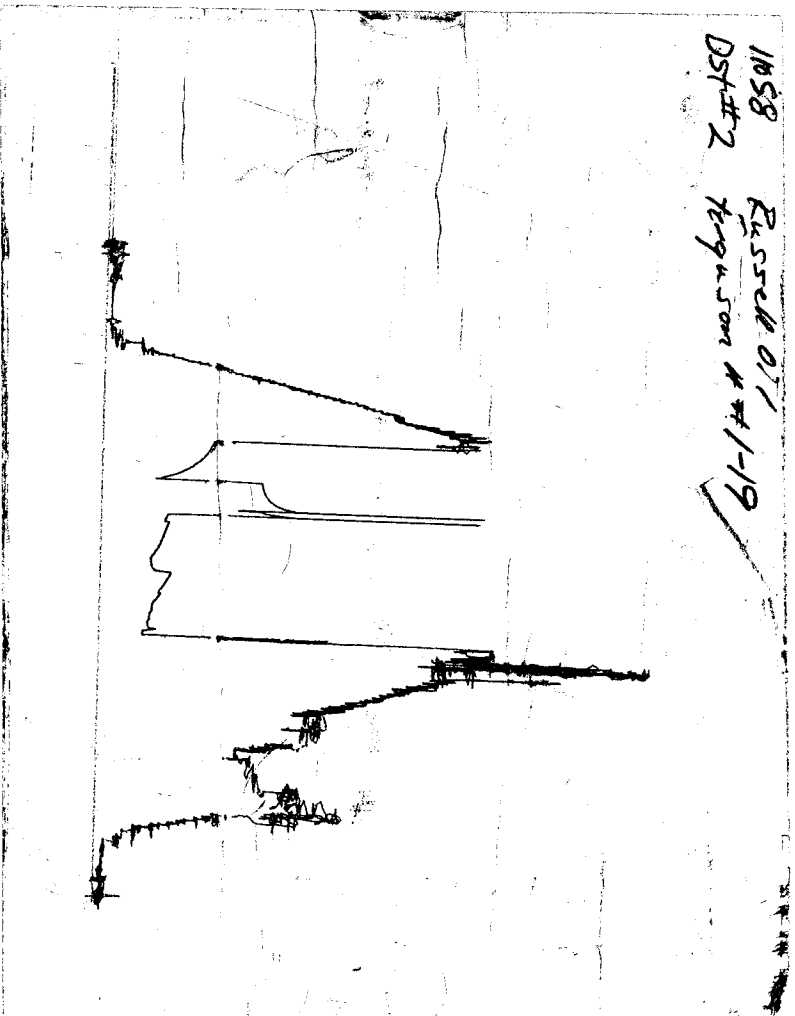
No blow, Flush tool (good surge) No blow, Flush again (good surge) No blow
No return

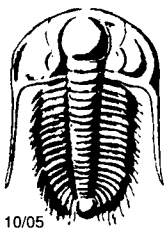
Recovery - Total Feet 320 GIP _____ Ft. in DC 280 Ft. in DP 46'
 Rec. 40 Feet of sgm 10 %gas _____ %oil _____ %water 90 %mud _____
 Rec. 190 Feet of gsocm 35 %gas 5 %oil _____ %water 60 %mud _____
 Rec. 90 Feet of gocm 35 %gas 10 %oil _____ %water 55 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 125 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1500 ppm System

AK-1 Alpine
 (A) Initial Hydrostatic Mud 2178 PSI Recorder No. 6667 Test x \$1200.00
 (B) First Initial Flow Pressure 130 PSI (depth) 4164' Jars _____
 (C) First Final Flow Pressure 183 PSI Recorder No. 11058 Safety Jt. _____
 (D) Initial Shut-In Pressure 336 PSI (depth) 4215' Circ Sub x N/K
 (E) Second Initial Flow Pressure 863 PSI Recorder No. _____ Sampler _____
 (F) Second Final Flow Pressure 806 PSI (depth) _____ Straddle _____
 (G) Final Shut-In Pressure 641 PSI Initial Opening 60 Ext. Packer _____
 (Q) Final Hydrostatic Mud 2090 PSI Initial Shut-In 30 Shale Packer _____
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 Final Flow 30 Ruined Packer x2 \$520
 Final Shut-In 30 Mileage x 116 ET \$145.00
 T-On Location 22:20 p.m. Sub Total: \$1865
 T-Started 22:50 p.m. Std. By _____
 T-Open 00:45 a.m. Acc. Chg. x \$150.00
 T-Pulled 03:15 a.m. Other: _____
 T-Out 05:55 a.m. Total: \$1815.00
 Approved By _____
 Our Representative [Signature]

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26462

Test Ticket

Well Name & No. <u>Ferguson A #1-19</u>	Test No. <u>#3</u>	Date <u>4/24/07</u>
Company <u>Russell Oil Inc.</u>	Zone Tested <u>KC</u>	
Address <u>P.O. Box 1469 Plainfield, IL 60544</u>	Elevation <u>2887</u>	KB <u>2876</u> GL
Co. Rep / Geo. <u>Steve Angle</u>	Rig <u>H2 #1</u>	
Location: Sec. <u>19</u> Twp. <u>10</u> Rge. <u>30</u>	Co. <u>Sheridan</u>	State <u>Ks</u>
Comment: _____		Release date / time: _____

Interval Tested 4162 4220 Initial Str Wt./Lbs. 78000 Unseated Str Wt./Lbs. 79000
 Anchor Length 58 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 110000
 Top Packer Depth 4157 Tool Weight 1500
 Bottom Packer Depth 4162 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4220 Wt. Pipe Run — Drill Collar Run 280'
 Mud Wt. 9.4 LCM #1 Vis. 44 WL 9.6 Drill Pipe Size 4 1/2" x H Ft. Run 3878'
 Blow Description Packers failed @ open, Reset packers & held 1/2" in blow built to 6 1/2" in.
No return
4 1/4" in blow
No return

Recovery - Total Feet 365 GIP — Ft. in DC 280 Ft. in DP 85
 Rec. 85 Feet of Sgm w/oil spots 10% gas spots %oil %water 90 %mud
 Rec. 280 Feet of gdc 35% gas 20 %oil %water 45 %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 122 °F Gravity — °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 2100 ppm System

AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>2161</u> PSI	Recorder No. <u>6667</u>	Test x <u>#1000.00</u>
(B) First Initial Flow Pressure	<u>154</u> PSI	(depth) <u>4163</u>	Jars _____
(C) First Final Flow Pressure	<u>179</u> PSI	Recorder No. <u>11058</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>340</u> PSI	(depth) <u>4215</u>	Circ Sub x <u>NK</u>
(E) Second Initial Flow Pressure	<u>183</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>190</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>352</u> PSI	Initial Opening <u>60</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2108</u> PSI	Initial Shut-In <u>60</u>	Shale Packer _____
		Final Flow <u>60</u>	Ruined Packer _____
		Final Shut-In <u>90</u>	Mileage <u>116 RT</u> <u>\$145.00</u>
		T-On Location <u>10:45</u> <u>AM</u>	Sub Total: <u>\$1,100.00</u>
		T-Started <u>11:40</u> <u>AM</u>	Std. By <u>11:55</u> <u>\$1445.00</u>
		T-Open <u>14:05</u> <u>P.M.</u>	Acc. Chg x <u>\$150.00</u>
		T-Pulled <u>18:35</u> <u>P.M.</u>	Other: _____
		T-Out <u>21:45</u> <u>P.M.</u>	Total: <u>\$1595.00</u>

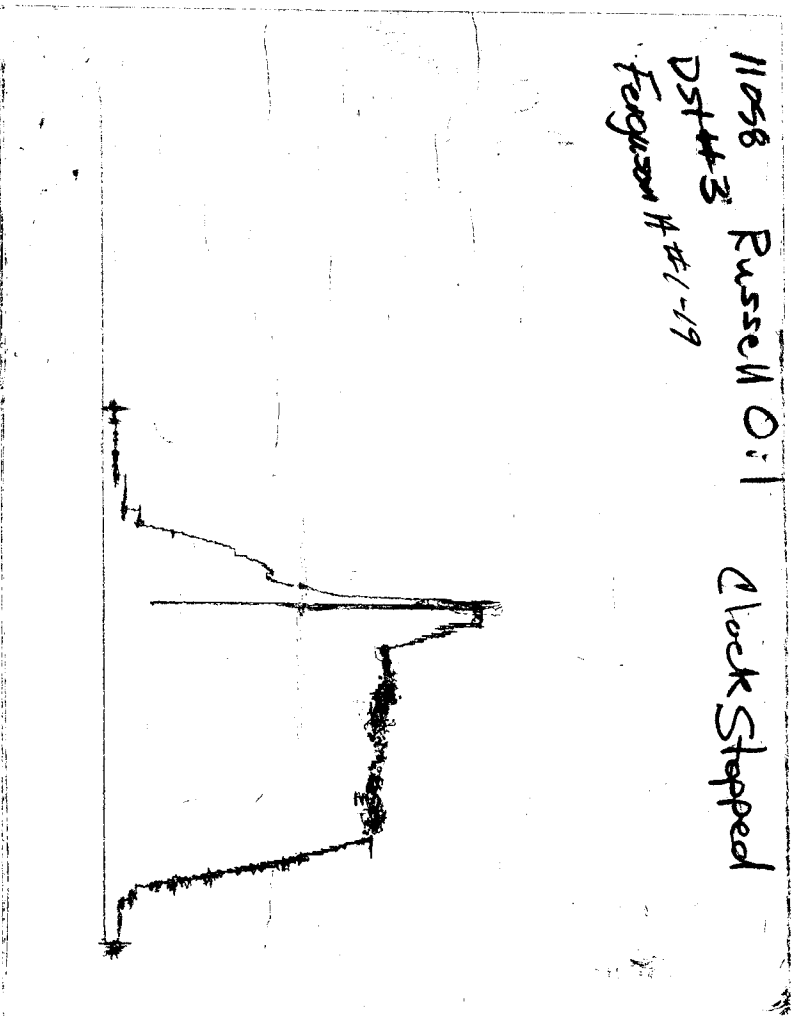
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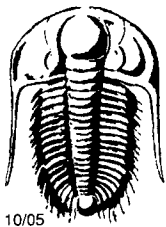
Approved By _____

Our Representative [Signature]

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26463

Test Ticket

Well Name & No. Ferguson A #1-19 Test No. #4 Date 4/26/07
 Company Russell O. L. Inc. Zone Tested Pawnee
 Address P.O. Box 1469 Plainfield, IL 60544 Elevation 2887 KB 2876 GL
 Co. Rep / Geo. Steve Angle Rig H2 #1
 Location: Sec. 19 Twp. 10 Rge. 30 Co. Sheridan State Ks
 Comment: _____ Release date / time: _____

Interval Tested 4220 4358 Initial Str Wt./Lbs. 80,000 Unseated Str Wt/Lbs. 82,000
 Anchor Length _____ 138 Wt. Set Lbs 25,000 Wt. Pulled Loose/Lbs. 115,000
 Top Packer Depth _____ 4215 Tool Weight 1500
 Bottom Packer Depth _____ 4220 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth _____ 4358 Wt. Pipe Run _____ Drill Collar Run 280'
 Mud Wt. 9.1 LCM Tr Vis. 43 WL 10.4 Drill Pipe Size 4 1/2 XH Ft. Run 3945'

Blow Description B.O.B. in 10 min

Surface return in 4min, dried in 35min.

7 1/2" blow

Surface return in 4min.

Recovery - Total Feet 490 GIP _____ Ft. in DC 280' Ft. in DP 210'
 Rec. 400 Feet of 950cm 25 %gas 10 %oil %water 65 %mud
 Rec. 90 Feet of 90cm 25 %gas 20 %oil %water 55 %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 119° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1400 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	2071 PSI	Recorder No.	<u>6667</u>	Test # <u>1200.00</u>
(B) First Initial Flow Pressure			<u>88</u> PSI	(depth)	<u>4221</u>	Jars _____
(C) First Final Flow Pressure			<u>216</u> PSI	Recorder No.	<u>11058</u>	Safety Jt. _____
(D) Initial Shut-In Pressure			<u>414</u> PSI	(depth)	<u>4353</u>	Circ Sub <u>N/C</u>
(E) Second Initial Flow Pressure			<u>221</u> PSI	Recorder No.		Sampler _____
(F) Second Final Flow Pressure			<u>242</u> PSI	(depth)		Straddle _____
(G) Final Shut-In Pressure			<u>415</u> PSI	Initial Opening	<u>45</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud			<u>2005</u> PSI	Initial Shut-In	<u>60</u>	Shale Packer _____

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Approved By J. Angle

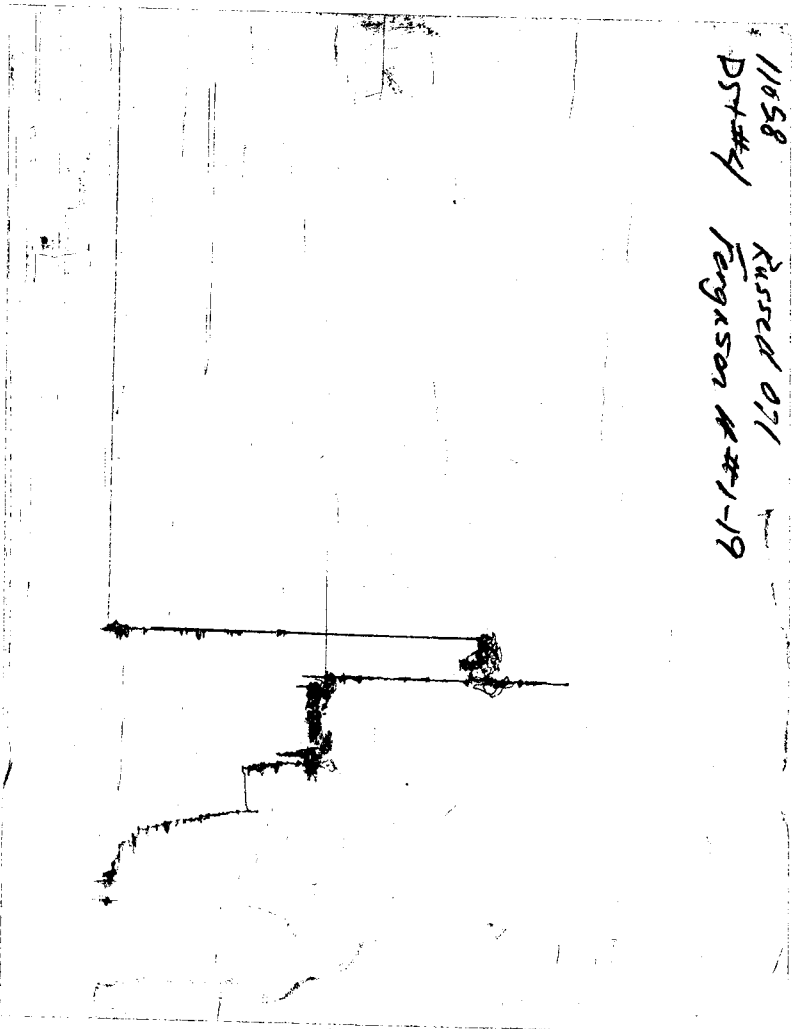
Our Representative Steve Angle

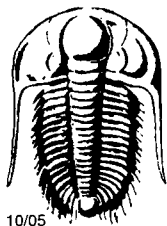
Final Flow 30
 Final Shut-In 60
 T-On Location 00130 A.M.
 T-Started 01:00 A.M.
 T-Open 03:45 A.M.
 T-Pulled 07:00 A.M.
 T-Out 10:10 A.M.

Ruined Packer _____
 Mileage 116 \$145.00
 Sub Total: 1345.00
 Std. By _____
 Acc. Chgt \$750.00
 Other: _____
 Total: \$1495.00

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26464

Test Ticket

Well Name & No. <u>Ferguson A #1-19</u>	Test No. <u>#5</u>	Date <u>4/28/07</u>
Company <u>Russell Oil Inc</u>	Zone Tested <u>5</u>	
Address <u>P.O. Box 1469 Plainfield, IL 60544</u>	Elevation <u>2887</u>	KB <u>2876</u> GL
Co. Rep / Geo. <u>Steve Angie</u>	Rig <u>H₂ #1</u>	
Location: Sec. <u>19</u> Twp. <u>10</u> Rge. <u>30</u>	Co. <u>Sheridan</u>	State <u>Ks</u>
Comment: <u>3' of fill on bottom</u>	Release date / time:	

Interval Tested <u>4/130</u>	<u>4/176</u>	Initial Str Wt./Lbs. <u>85,000</u>	Unseated Str Wt./Lbs. <u>87,000</u>
Anchor Length	<u>46</u>	Wt. Set Lbs. <u>35,000</u>	Wt. Pulled Loose/Lbs. <u>110,000</u>
Top Packer Depth <u>4/125</u>	<u>4/130</u>	Tool Weight <u>1500</u>	
Bottom Packer Depth	<u>4/176</u>	Hole Size 7 7/8" ☒	Rubber Size 6 3/4" ☒
Total Depth	<u>4530</u>	Wt. Pipe Run	Drill Collar Run <u>280'</u>
Mud Wt. <u>9.1</u> LCM <u>Tr</u> Vis. <u>46</u> WL <u>10</u>		Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3842</u>

Blow Description B.O.B. in 9 min
Return blow in 5 min built to 3"~.

B.O.B. in 14 min
Return blow in 4 min built to 4"~.

Recovery - Total Feet <u>560'</u>	GIP <u>450'</u>	Ft. in DC <u>280'</u>	Ft. in DP <u>280'</u>
Rec. <u>280'</u>	Feet of <u>gocm</u>	<u>30</u> %gas <u>25</u> %oil	%water <u>45</u> %mud
Rec. <u>280'</u>	Feet of <u>gocm</u>	<u>40</u> %gas <u>30</u> %oil	%water <u>30</u> %mud
Rec.	Feet of	%gas	%oil
Rec.	Feet of	%gas	%oil
Rec.	Feet of	%gas	%oil
BHT <u>121°</u>	°F Gravity	°API D @	°F Corrected Gravity
RW	@	°F	Chlorides ppm Recovery
			Chlorides <u>1300</u> ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	2076 PSI	Recorder No. <u>6667</u>	Test x <u>\$1200.00</u>
(B) First Initial Flow Pressure			114 PSI	(depth) <u>4131</u>	Jars
(C) First Final Flow Pressure			201 PSI	Recorder No. <u>11057</u>	Safety Jt.
(D) Initial Shut-In Pressure			1128 PSI	(depth) <u>4168</u>	Circ Subx <u>NK</u>
(E) Second Initial Flow Pressure			211 PSI	Recorder No. <u>11058</u>	Sampler
(F) Second Final Flow Pressure			265 PSI	(depth) <u>4525</u>	Straddlex <u>\$600.00</u>
(G) Final Shut-In Pressure			994 PSI	Initial Opening <u>60</u>	Ext. Packer
(Q) Final Hydrostatic Mud			1936 PSI	Initial Shut-In <u>60</u>	Shale Packer

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Approved By [Signature]

Our Representative [Signature]

T-On Location

T-Started 02:05 A.M.
T-Open 04:57 A.M.
T-Pulled 08:57 A.M.
T-Out 12:10 P.M.

Ruined Packerx \$200.00
Mileagex 116 RT \$145.00
Sub Total: \$2205
Std. B)
Acc. Chg: x \$150.00
Other:
Total: \$2355

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

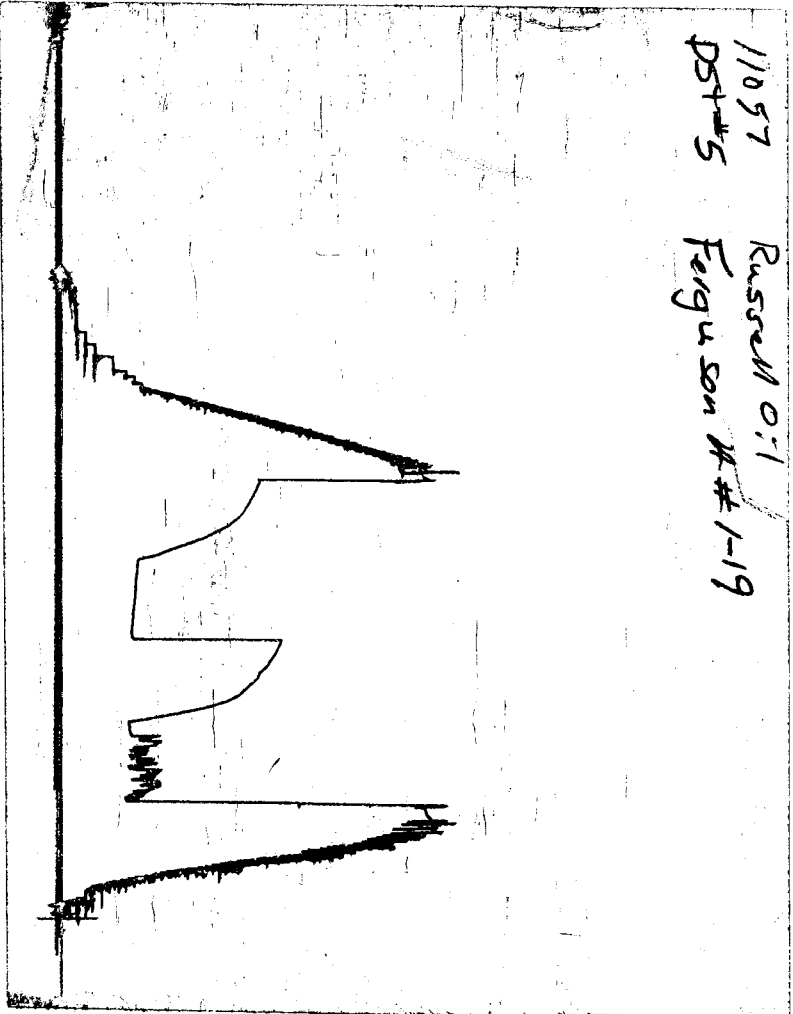


CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

