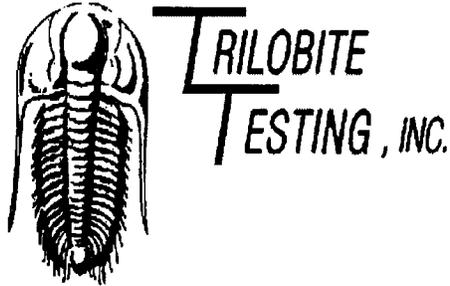


15-065-22950

19-8s-22w



DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc.**

P.O. Box 1469
Plainfield, IL 60544

ATTN: Leroy Holt II

19--8s--22w

Quint A # 2

Start Date: 2004.02.23 @ 08:39:08

End Date: 2004.02.23 @ 15:37:38

Job Ticket #: 18578 DST #: 1

Russell Oil, Inc.

Quint A # 2

19--8s--22w

DST # 1

L.Kc.-A&B

2004.02.23

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.

Quint A # 2

P.O.Box 1469
Plainfield, IL 60544

19-8s-22w

Job Ticket: 18578

DST#: 1

ATTN: Leroy Holt II

Test Start: 2004.02.23 @ 08:39:08

GENERAL INFORMATION:

Formation: **L.Kc.-A&B**

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

Time Tool Opened: 10:57:38

Time Test Ended: 15:37:38

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **3416.00 ft (KB) To 3468.00 ft (KB) (TVD)**

Reference Elevations: **2173.00 ft (KB)**

Total Depth: **3468.00 ft (KB) (TVD)**

2168.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

KB to GR/CF: 5.00 ft

Serial #: **6741**

Inside

Press@RunDepth: **130.40 psig @ 3420.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2004.02.23**

End Date:

2004.02.23

Last Calib.:

2004.02.23

Start Time: **08:39:09**

End Time:

15:37:38

Time On Btm:

2004.02.23 @ 10:57:08

Time Off Btm:

2004.02.23 @ 13:45:38

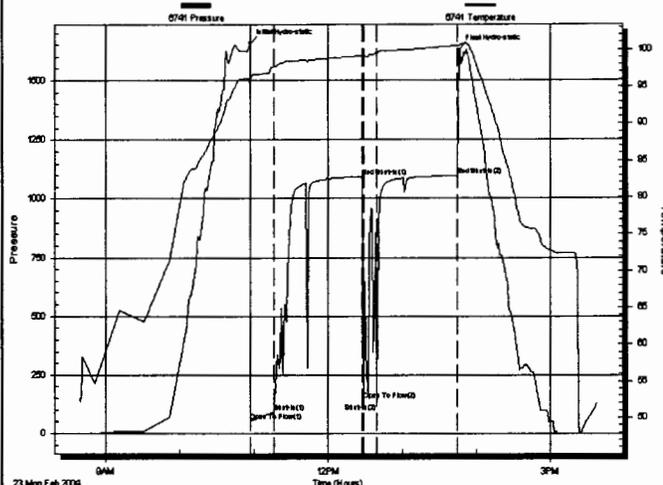
TEST COMMENT: **F-Weak built 2&1/2" 30 min. Decreasing to 1&1/2"**
FF-Dead Flush tool w weak blow 10 min dead.

ISI-Dead

FSI-Dead

Tool slid 10' to b

Pressure vs. Time



PRESSURE SUMMARY

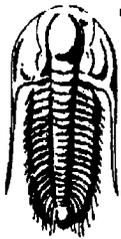
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1655.86	95.58	Initial Hydro-static
1	50.88	95.96	Open To Flow (1)
19	92.15	97.70	Shut-In(1)
91	1093.85	99.15	End Shut-In(1)
92	141.96	98.96	Open To Flow (2)
103	130.40	99.45	Shut-In(2)
168	1097.53	100.51	End Shut-In(2)
169	1628.72	100.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
195.00	Drilling mud with oil stain	0.96

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil, Inc.

Quint A # 2

P.O.Box 1469
Plainfield, IL 60544

19-8s-22w

Job Ticket: 18578

DST#: 1

ATTN: Leroy Holt II

Test Start: 2004.02.23 @ 08:39:08

Tool Information

Drill Pipe:	Length: 3080.00 ft	Diameter: 3.80 inches	Volume: 43.20 bbl	Tool Weight: 3300.00 lb
Heavy Wt. Pipe:	Length: 346.00 ft	Diameter: 2.25 inches	Volume: 1.70 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: 75000.00 lb
			<u>Total Volume: 44.90 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3416.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	72.00 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			3397.00	
Shut In Tool	5.00			3402.00	
Hydraulic tool	5.00			3407.00	
Packer	4.00			3411.00	20.00 Bottom Of Top Packer
Packer	5.00			3416.00	
Stubb	1.00			3417.00	
Perforations	2.00			3419.00	
Change Over Sub	1.00			3420.00	
Recorder	0.00	6741	Inside	3420.00	
Blank Spacing	31.00			3451.00	
Change Over Sub	1.00			3452.00	
Recorder	0.00	11084	Outside	3452.00	
Perforations	13.00			3465.00	
Bullnose	3.00			3468.00	52.00 Bottom Packers & Anchor

Total Tool Length: 72.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

Quint A # 2

P.O.Box 1469
Plainfield, IL 60544

19-8s-22w

Job Ticket: 18578

DST#: 1

ATTN: Leroy Holt II

Test Start: 2004.02.23 @ 08:39:08

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: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.18 in³

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
195.00	Drilling mud with oil stain	0.959

Total Length: 195.00 ft Total Volume: 0.959 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

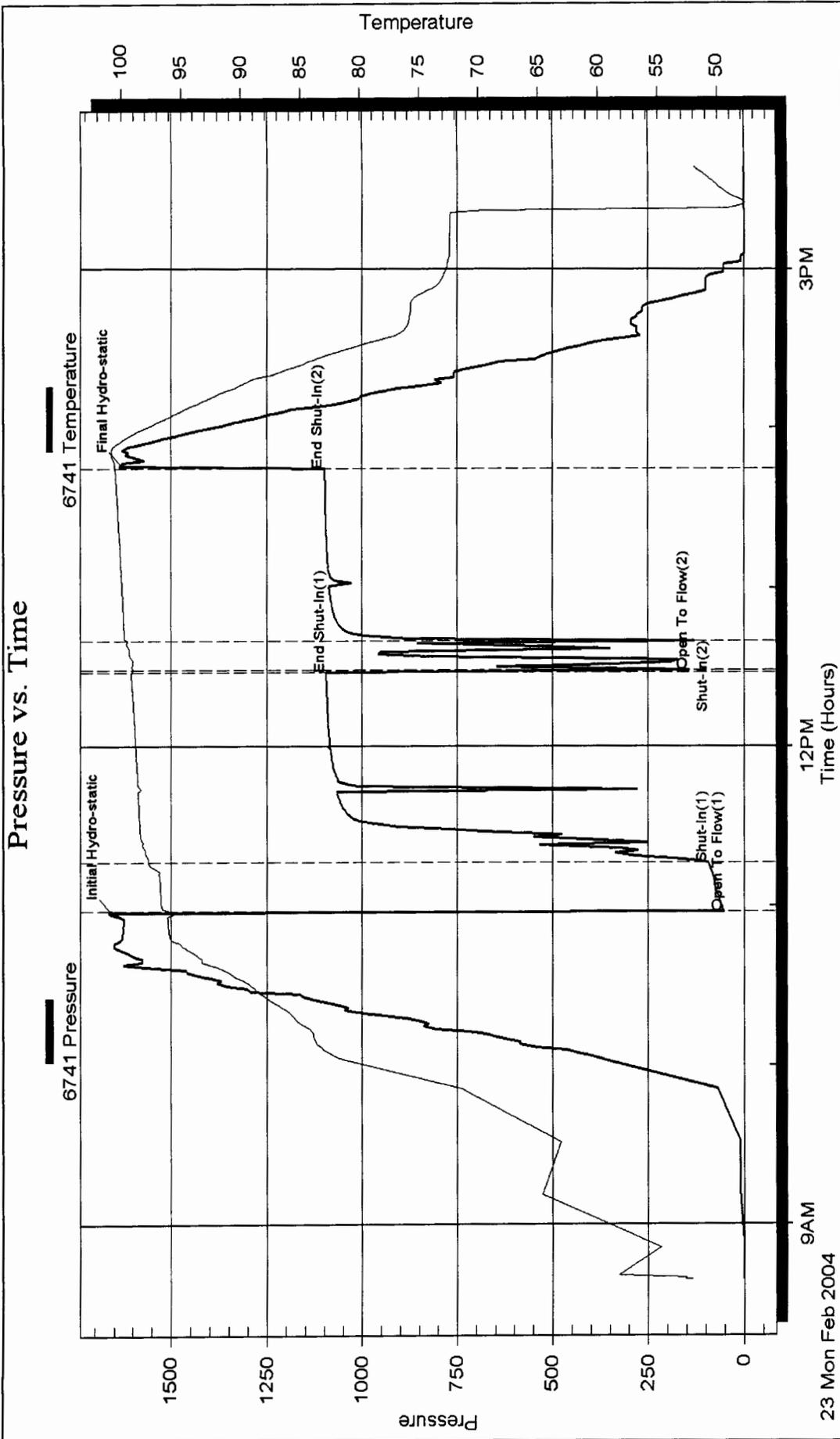
Recovery Comments:

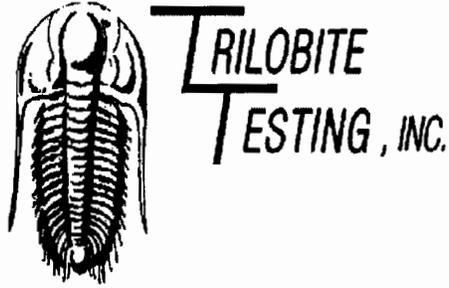
Serial #: 6741

Inside Russell Oil, Inc.

19--8s--22w

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc.**

P.O.Box 1469
Plainfield, IL 60544

ATTN: Leroy Holt II

19-8s-22w

Quint A # 2

Start Date: 2004.02.23 @ 20:37:10

End Date: 2004.02.24 @ 03:24:40

Job Ticket #: 18579 DST #: 2

Russell Oil, Inc.

Quint A # 2

19-8s-22w

DST # 2

L.Kc.-A&B

2004.02.23

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.
P.O. Box 1469
Plainfield, IL 60544
ATTN: Leroy Holt II

Quint A # 2
19-8s-22w
Job Ticket: 18579 **DST#: 2**
Test Start: 2004.02.23 @ 20:37:10

GENERAL INFORMATION:

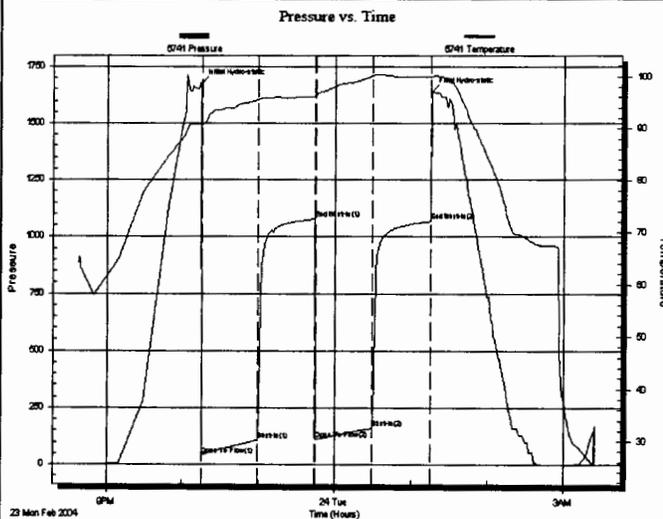
Formation: **L.Kc.-A&B**
Deviated: **No** Whipstock: ft (KB) Test Type: **Conventional Bottom Hole**
Time Tool Opened: 22:15:40 Tester: **John Schmidt**
Time Test Ended: 03:24:40 Unit No: **18**

Interval: **3418.00 ft (KB) To 3468.00 ft (KB) (TVD)** Reference Elevations: 2173.00 ft (KB)
Total Depth: **3468.00 ft (KB) (TVD)** 2168.00 ft (CF)
Hole Diameter: **7.88 inches** Hole Condition: **Poor** KB to GR/CF: 5.00 ft

Serial #: 6741 **Inside**
Press@RunDepth: 160.39 psig @ 3423.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2004.02.23 End Date: 2004.02.24 Last Calib.: 2004.02.24
Start Time: 20:37:11 End Time: 03:24:40 Time On Btm: 2004.02.23 @ 22:14:40
Time Off Btm: 2004.02.24 @ 01:15:40

TEST COMMENT: **F-Weak built to 5" in.** **ISI-Dead**
FF-Weak built to 3" in. **FSI-Dead**

Tool slid 5' to bottom---Lost 8' mud in hole.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1671.69	90.76	Initial Hydro-static
1	39.95	90.70	Open To Flow (1)
45	107.41	95.51	Shut-In(1)
90	1076.73	96.12	End Shut-In(1)
90	111.41	95.96	Open To Flow (2)
135	160.39	100.13	Shut-In(2)
181	1066.51	99.91	End Shut-In(2)
181	1637.38	99.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
135.00	MSW-80%W-20%M	0.66
180.00	SWOCM-10%W-5%O--85%M	0.89

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil, Inc.
P.O. Box 1469
Plainfield, IL 60544
ATTN: Leroy Holt II

Quint A # 2
19-8s-22w
Job Ticket: 18579 **DST#: 2**
Test Start: 2004.02.23 @ 20:37:10

Tool Information

Drill Pipe:	Length: 3080.00 ft	Diameter: 3.80 inches	Volume: 43.20 bbl	Tool Weight: 3300.00 lb
Heavy Wt. Pipe:	Length: 346.00 ft	Diameter: 2.25 inches	Volume: 1.70 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: 65000.00 lb
			<u>Total Volume: 44.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3418.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	70.00 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			3399.00	
Shut In Tool	5.00			3404.00	
Hydraulic tool	5.00			3409.00	
Packer	4.00			3413.00	20.00 Bottom Of Top Packer
Packer	5.00			3418.00	
Stubb	1.00			3419.00	
Perforations	3.00			3422.00	
Change Over Sub	1.00			3423.00	
Recorder	0.00	6741	Inside	3423.00	
Blank Spacing	29.00			3452.00	
Change Over Sub	1.00			3453.00	
Recorder	0.00	11084	Outside	3453.00	
Perforations	12.00			3465.00	
Bullnose	3.00			3468.00	50.00 Bottom Packers & Anchor

Total Tool Length: 70.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

Quint A # 2

P.O.Box 1469
Plainfield, L. 60544

19-8s-22w

Job Ticket: 18579

DST#: 2

ATTN: Leroy Holt II

Test Start: 2004.02.23 @ 20:37:10

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:

60000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
135.00	MSW-80%W--20%M	0.664
180.00	SWOCM-10%W--5%O--85%M	0.885

Total Length: 315.00 ft

Total Volume: 1.549 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

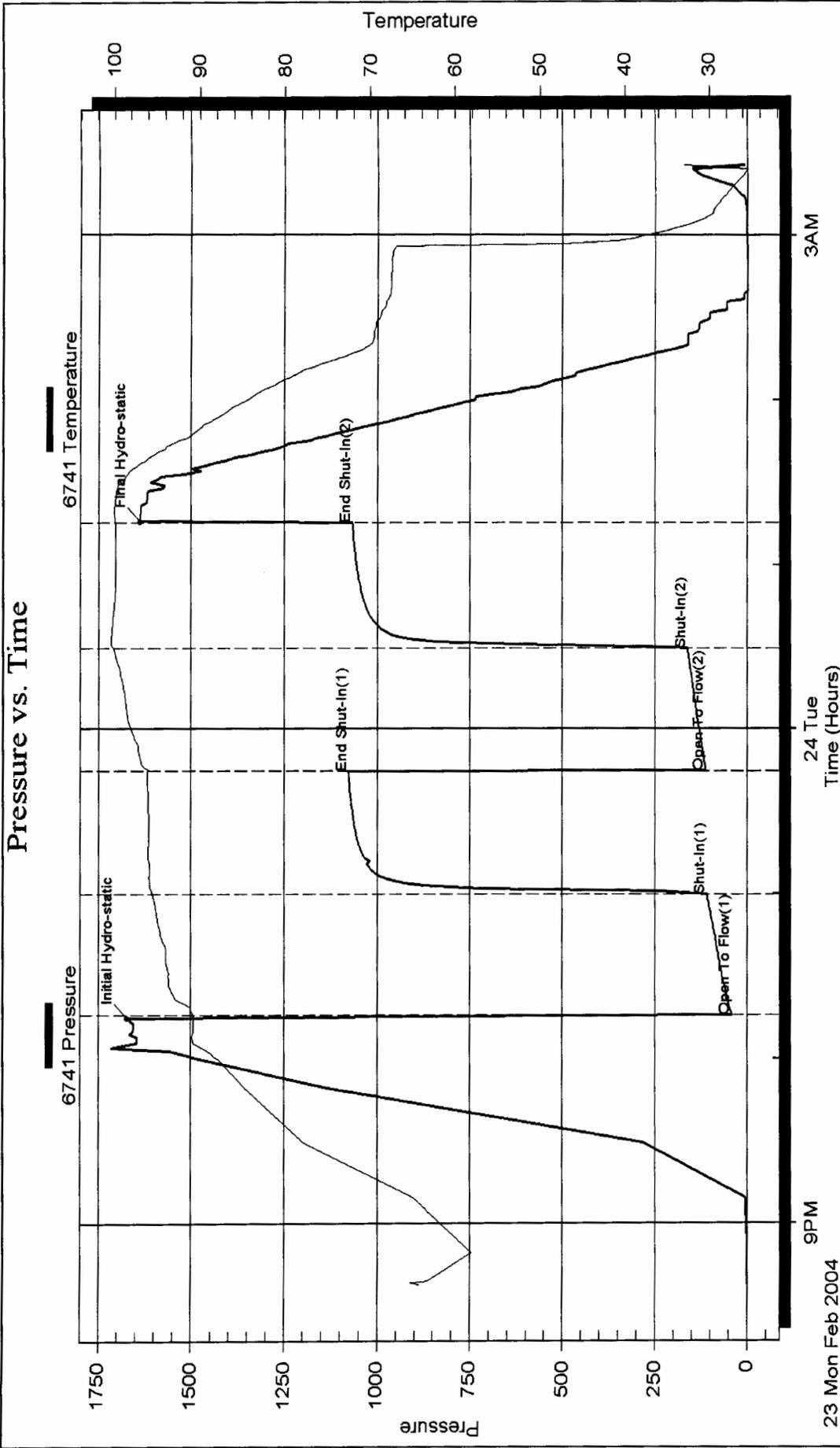
Serial #:

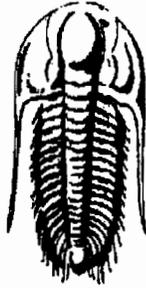
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc.**

P.O.Box 1469
Plainfield, IL. 60544

ATTN: Leroy Holt II

19--8s--22w

Quint A # 2

Start Date: 2004.02.24 @ 12:29:43

End Date: 2004.02.24 @ 19:46:13

Job Ticket #: 18580 DST #: 3

Russell Oil, Inc.

Quint A # 2

19--8s--22w

DST # 3

L.Kc.-70 & 90

2004.02.24

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.

Quint A # 2

P.O.Box 1469
Plainfield, IL 60544

19-8s-22w

Job Ticket: 18580

DST#: 3

ATTN: Leroy Holt II

Test Start: 2004.02.24 @ 12:29:43

GENERAL INFORMATION:

Formation: **L.Kc.-70 & 90**

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

Time Tool Opened: 14:19:43

Time Test Ended: 19:46:13

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **3482.00 ft (KB) To 3507.00 ft (KB) (TVD)**

Reference Elevations: **2173.00 ft (KB)**

Total Depth: **3507.00 ft (KB) (TVD)**

2168.00 ft (CF)

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

KB to GRVCF: **5.00 ft**

Serial #: **6741** Inside

Press@RunDepth: **175.96 psig @ 3484.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2004.02.24**

End Date: **2004.02.24**

Last Calib.: **2004.02.24**

Start Time: **12:29:44**

End Time: **19:46:13**

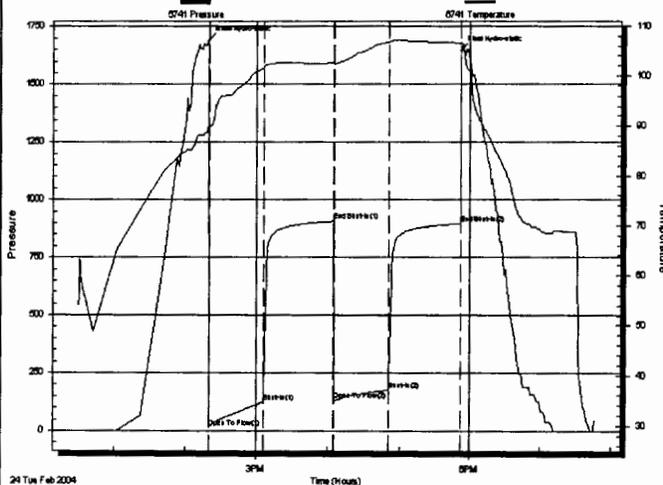
Time On Btm: **2004.02.24 @ 14:19:13**

Time Off Btm: **2004.02.24 @ 17:52:13**

TEST COMMENT: **F-Strong blow B.O.B. 30 min.**
FF-Strong blow B.O.B. 37 min.

IS-Weak Surface blow back.
FSI-Good blow back 1/2" in.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1689.95	90.15	Initial Hydro-static
1	14.69	90.17	Open To Flow (1)
47	124.76	101.73	Shut-In (1)
106	907.32	102.61	End Shut-In (1)
107	130.63	102.51	Open To Flow (2)
152	175.96	106.75	Shut-In (2)
213	897.11	106.58	End Shut-In (2)
213	1644.28	106.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	MOGCW-20%M-15%O-5%G-60%W	0.74
260.00	GMCO-10%G-15%M-10%W-65%oil	1.86
0.00	150 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.

Quint A # 2

P.O. Box 1469
Plainfield, IL 60544

19-8s-22w

Job Ticket: 18580

DST#: 3

ATTN: Leroy Holt II

Test Start: 2004.02.24 @ 12:29:43

Tool Information

Drill Pipe:	Length: 3140.00 ft	Diameter: 3.80 inches	Volume: 44.05 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 346.00 ft	Diameter: 2.25 inches	Volume: 1.70 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
			<u>Total Volume: 45.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3482.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	45.00 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			3463.00	
Shut In Tool	5.00			3468.00	
Hydraulic tool	5.00			3473.00	
Packer	4.00			3477.00	20.00 Bottom Of Top Packer
Packer	5.00			3482.00	
Stubb	1.00			3483.00	
Perforations	1.00			3484.00	
Recorder	0.00	6741	Inside	3484.00	
Perforations	20.00			3504.00	
Recorder	0.00	13308	Outside	3504.00	
Bullnose	3.00			3507.00	25.00 Bottom Packers & Anchor

Total Tool Length: 45.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

Quint A # 2

P.O.Box 1469
Plainfield, L.L. 60544

19-8s-22w

Job Ticket: 18580

DST#: 3

ATTN: Leroy Holt II

Test Start: 2004.02.24 @ 12:29:43

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:	90000 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	MOGCW-20%M-15%O-5%G-60%W	0.738
260.00	GMCO-10%G-15%M-10%W-65%oil	1.862
0.00	150 gas in pipe	0.000

Total Length: 410.00 ft Total Volume: 2.600 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

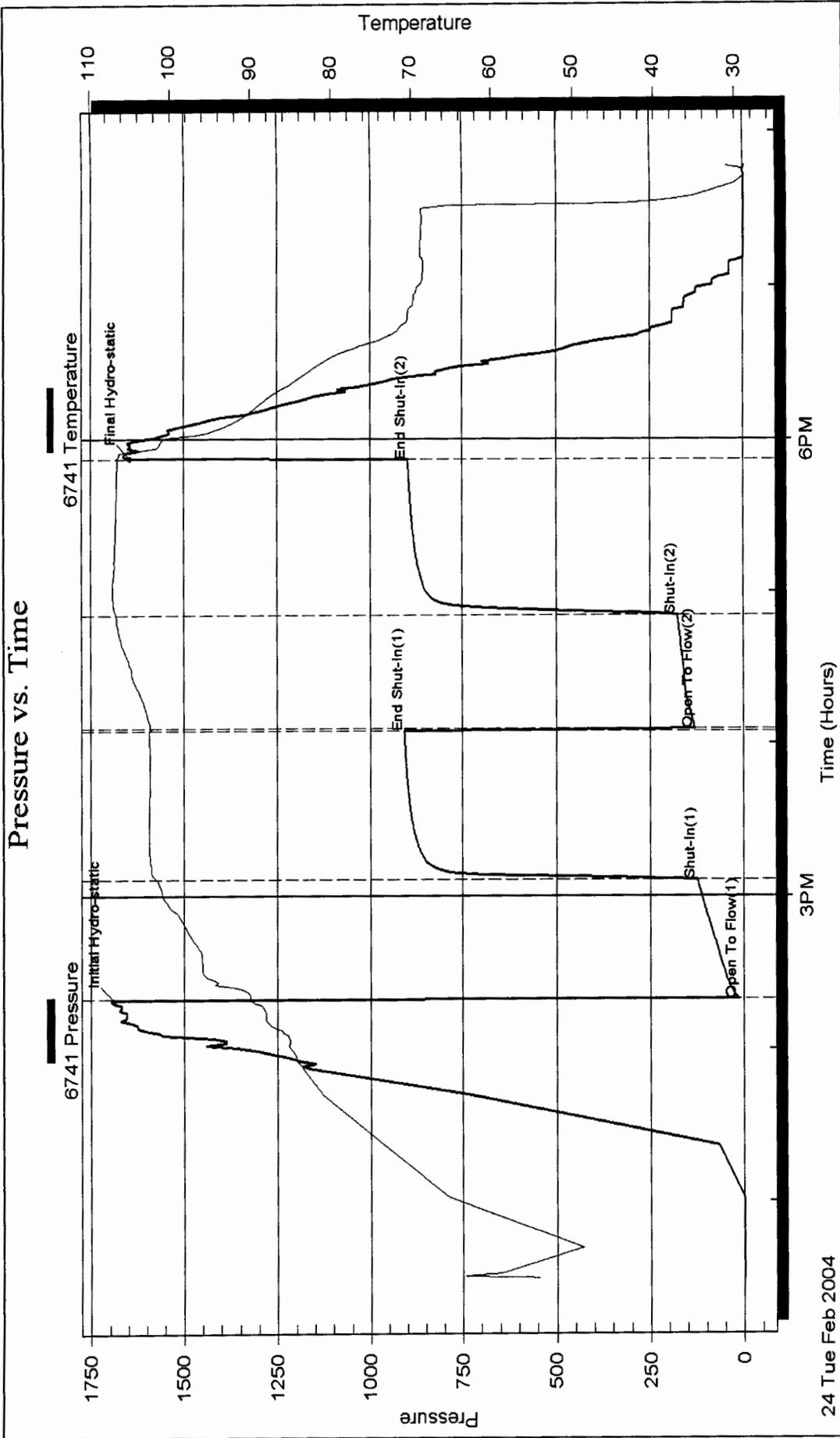
Serial #: 6741

Inside

Russell Oil, Inc.

19--8s--22w

DST Test Number: 3

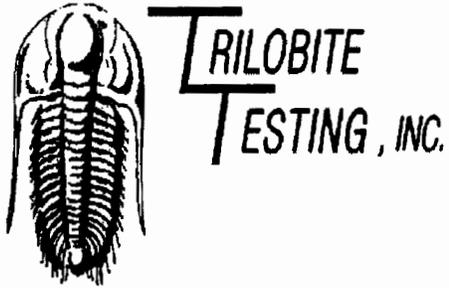


24 Tue Feb 2004

Trilobite Testing, Inc

Ref. No: 18580

Printed: 2004.03.03 @ 16:00:47 Page 5



DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc.**

P.O.Box 1469
Plainfield, IL. 60544

ATTN: Leroy Holt II

19--8s--22w

Quint A # 2

Start Date: 2004.02.25 @ 09:09:26

End Date: 2004.02.25 @ 18:13:26

Job Ticket #: 18581 DST #: 4

Russell Oil, Inc.

Quint A # 2

19--8s--22w

DST # 4

L.K.C.-160

2004.02.25

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.

Quint A # 2

P.O.Box 1469
Plainfield, L.L. 60544

19-8s-22w

Job Ticket: 18581

DST#: 4

ATTN: Leroy Holt II

Test Start: 2004.02.25 @ 09:09:26

GENERAL INFORMATION:

Formation: **L.Kc.-160'**

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

Time Tool Opened: 11:13:26

Time Test Ended: 18:13:26

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **3567.00 ft (KB) To 3589.00 ft (KB) (TVD)**

Reference Elevations: **2173.00 ft (KB)**

Total Depth: **3589.00 ft (KB) (TVD)**

2168.00 ft (CF)

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

KB to GR/CF: **5.00 ft**

Serial #: **6741**

Inside

Press@RunDepth: **699.50 psig @ 3571.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2004.02.25**

End Date:

2004.02.25

Last Calib.:

2004.02.25

Start Time: **09:09:27**

End Time:

18:13:26

Time On Btm:

2004.02.25 @ 11:11:26

Time Off Btm:

2004.02.25 @ 15:14:26

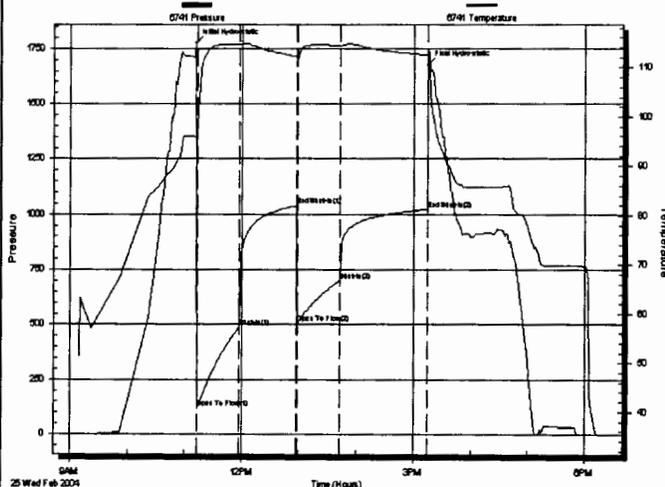
TEST COMMENT: **F-Strong B.O.B.1 min.**

IS-Strong blow back B.O.B.8 min.

FF-Strong B.O.B.1 min.

FSI-Strong blow back B.O.B.11 min.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1772.60	95.96	Initial Hydro-static
2	119.55	97.93	Open To Flow (1)
46	488.77	114.59	Shut-In(1)
106	1038.01	112.25	End Shut-In(1)
107	506.80	111.91	Open To Flow (2)
152	699.50	114.47	Shut-In(2)
243	1022.83	112.54	End Shut-In(2)
243	1675.37	112.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2000.00	Gassy Oil 15% gas - 85% oil	25.46
0.00	1400' 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.

Quint A # 2

P.O.Box 1469
Plainfield, IL 60544

19-8s-22w

Job Ticket: 18581

DST#: 4

ATTN: Leroy Holt II

Test Start: 2004.02.25 @ 09:09:26

Tool Information

Drill Pipe:	Length: 3290.00 ft	Diameter: 3.80 inches	Volume: 46.15 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 285.00 ft	Diameter: 2.25 inches	Volume: 1.40 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: 65000.00 lb
			<u>Total Volume: 47.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3567.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	42.00 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			3548.00	
Shut In Tool	5.00			3553.00	
Hydraulic tool	5.00			3558.00	
Packer	4.00			3562.00	20.00 Bottom Of Top Packer
Packer	5.00			3567.00	
Stubb	1.00			3568.00	
Perforations	3.00			3571.00	
Recorder	0.00	6741	Inside	3571.00	
Perforations	15.00			3586.00	
Recorder	0.00	11084	Outside	3586.00	
Bullnose	3.00			3589.00	22.00 Bottom Packers & Anchor

Total Tool Length: 42.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

Quint A # 2

P.O.Box 1469
Plainfield, IL 60544

19-8s-22w

Job Ticket: 18581

DST#: 4

ATTN: Leroy Holt II

Test Start: 2004.02.25 @ 09:09:26

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	40 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	47.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.18 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2000.00	Gassy Oil 15% gas-85% oil	25.459
0.00	1400' gas in pipe	0.000

Total Length: 2000.00 ft Total Volume: 25.459 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

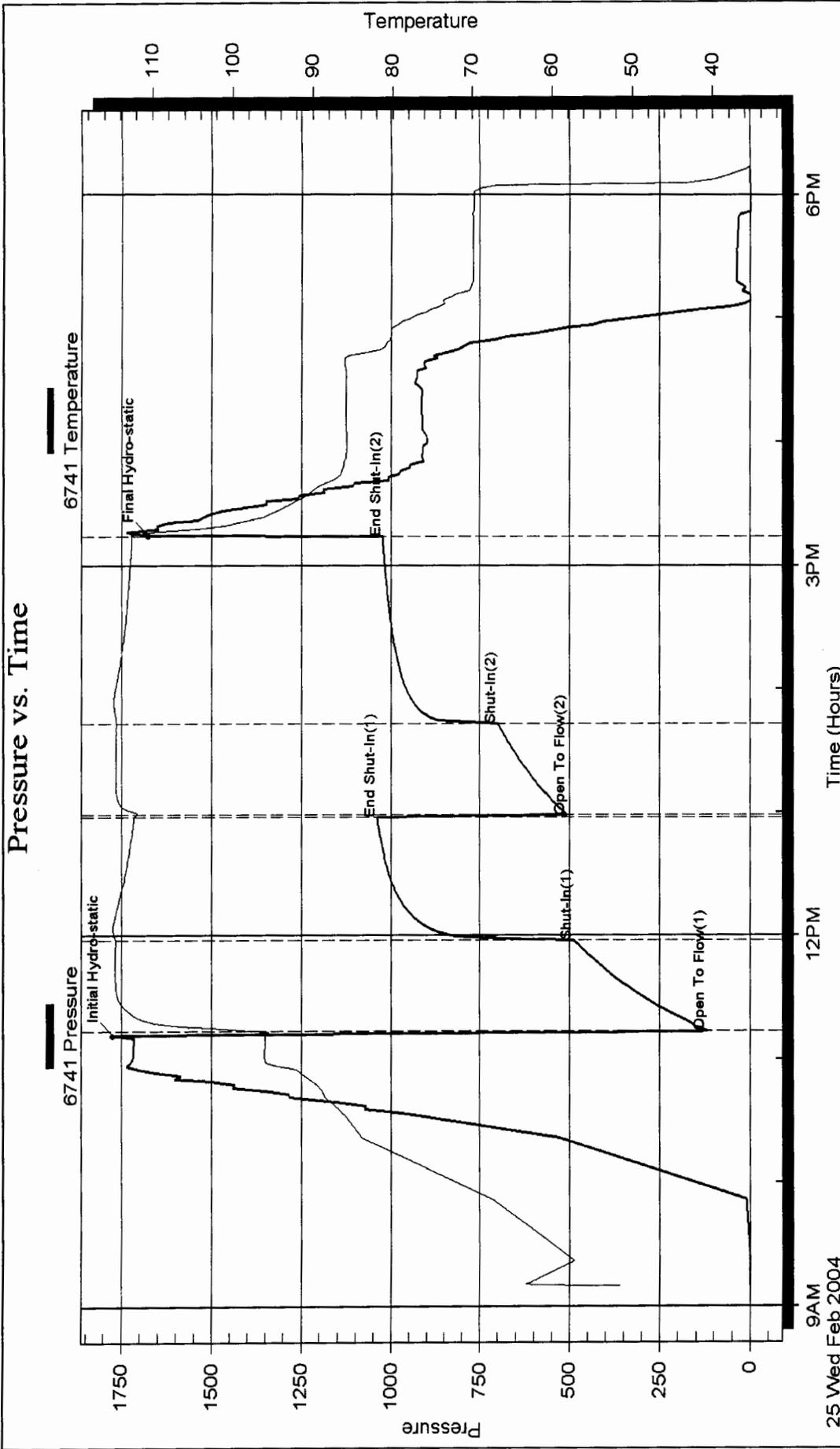
Serial #:

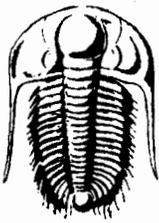
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INN
6229

N^o 18578

05/03

Test Ticket

Well Name & No. QUINT A #2 Test No. #1 Date 2-23-04
 Company RUSSELL OIL, INC. Zone Tested L. Kc. - A + B
 Address P.O. BOX 1469 PLAINFIELD, IL. 60544 Elevation 2173 KB 2168 GL
 Co. Rep / Geo. TODD MORGENSTERN Cont. SHIELDS Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 19 Twp. 8S Rge. 22W Co. GRAHAM State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3416 To 3468 Initial Str Wt./Lbs. 48,000 Unseated Str Wt./Lbs. 48,000
 Anchor Length 52' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 75,000
 Top Packer Depth 3411 Tool Weight 3300
 Bottom Packer Depth 3416 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3468 Wt. Pipe Run 346 Drill Collar Run 0
 Mud Wt. 9.2 LCM 0 Vis. 47 WL 7.2 Drill Pipe Size 4 1/2 XH Ft. Run 3080'
 Blow Description IF. - WEAK BUILT TO 2 1/2" IN 30 MIN DECREASING TO 1 1/2"
FSI. - DEAD FF. DEAD FLUSH TOOL WEAR BLOW 10-MIN DEAD
FSI. - DEAD

TOOL SLID 10' TO BOTTOM LOST 12' MUD (LOT'S OF PLUGGING)
 Recovery - Total Feet 195 GIP _____ Ft. in ^{WP} 195 Ft. in DP 0

Rec.	Feet of	%gas	%oil	%water	%mud
<u>195</u>	<u>DRILLING MUD @ OIL STAIN</u>				
_____	_____				
_____	_____				
_____	_____				
_____	_____				

BHT 100 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1,000 ppm System

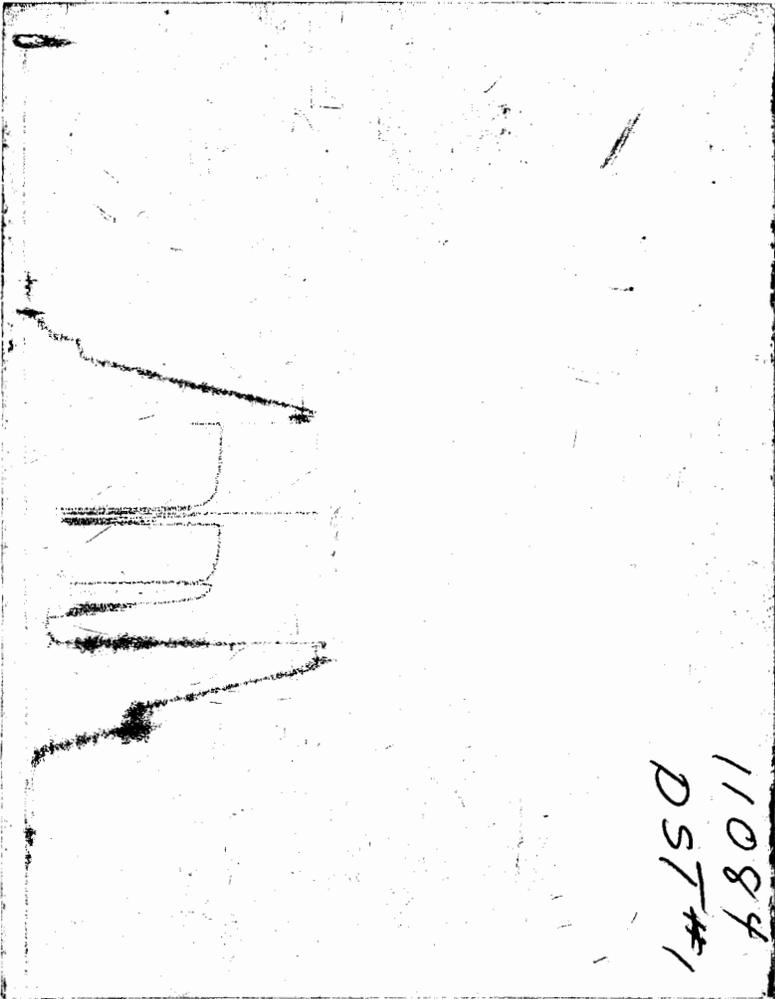
AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1655</u> PSI	<u>6741</u>	<u>B. HOLE</u>
(B) First Initial Flow Pressure	<u>50</u> PSI	(depth) <u>3420</u>	Elec. Rec. <input checked="" type="checkbox"/>
(C) First Final Flow Pressure	<u>92</u> PSI	Recorder No. <u>11084</u>	Jars _____
(D) Initial Shut-In Pressure	<u>1093</u> PSI	(depth) <u>3453</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>141</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>130</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>1097</u> PSI	Initial Opening <u>45</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1628</u> PSI	Initial Shut-In <u>45</u>	Ext. Packer _____
		Final Flow <u>30</u>	Shale Packer _____
		Final Shut-In <u>45</u>	Mileage <u>60</u>
		T-On Location <u>06130</u>	Sub Total: _____
		T-Started <u>08:39</u>	Std. By _____
		T-Open <u>10:57</u>	Other _____
		T-Pulled <u>13:45</u>	Total: _____
		T-Out <u>15:37</u>	

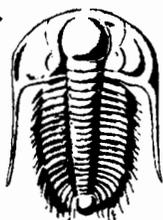
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Approved By _____
 Our Representative John J. Schmidt

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 18579

05/03

Test Ticket

Well Name & No. QUINT A #2 Test No. #2 Date 2-23-04
 Company RUSSELL OIL, INC. Zone Tested L. Kc. - A+B
 Address _____ Elevation 2173 KB 2168 GL _____
 Co. Rep / Geo. TODD MORGENSTERN Cont. SHIELDS Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 19 Twp. 8S Rge. 22W Co. GRAHAM State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3418 TO 3468 Initial Str Wt./Lbs. 46,000 Unseated Str Wt./Lbs. 46,000
 Anchor Length 50' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth 3413 Tool Weight 33,00
 Bottom Packer Depth 3418 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3468 Wt. Pipe Run 346 Drill Collar Run 0
 Mud Wt. 9.2 LCM 0 Vis. 47 WL 72 Drill Pipe Size 4 1/2 XH Ft. Run 3080
 Blow Description IF - WEAK BUILT TO 5" IN. ISI - DEAD
FF - WEAK BUILT TO 3" IN FSI - DEAD

TOOL SLID 5' TO BOTTOM - LOST 8' MUD IN HOLE

Recovery - Total Feet 315 GIP 0 Ft. in ^{WP} 315 Ft. in DP 0
 Rec. 135 Feet of M.S.W. %gas _____ %oil _____ %water 80 %mud 20
 Rec. 180 Feet of SWOCM %gas _____ %oil 5 %water 10 %mud 85
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 100 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .3 @ 30 °F Chlorides 60,000 ppm Recovery _____ Chlorides 1,000 ppm System

AK-1	Alpine	Recorder No.	<u>6741</u>	Test	<u>B, HOLE</u>
(A) Initial Hydrostatic Mud	<u>1671</u> PSI	(depth)	<u>3423</u>	Elec. Rec.	<input checked="" type="checkbox"/>
(B) First Initial Flow Pressure	<u>39</u> PSI	Recorder No.	<u>11084</u>	Jars	_____
(C) First Final Flow Pressure	<u>107</u> PSI	(depth)	<u>3453</u>	Safety Jt.	_____
(D) Initial Shut-In Pressure	<u>1076</u> PSI	Recorder No.	_____	Circ Sub	_____
(E) Second Initial Flow Pressure	<u>111</u> PSI	(depth)	_____	Sampler	_____
(F) Second Final Flow Pressure	<u>160</u> PSI	Recorder No.	_____	Straddle	_____
(G) Final Shut-In Pressure	<u>1066</u> PSI	Initial Opening	<u>45</u>	Ext. Packer	_____
(Q) Final Hydrostatic Mud	<u>1637</u> PSI	Initial Shut-In	<u>45</u>	Shale Packer	_____
		Final Flow	<u>45</u>	Mileage	<u>60</u>
		Final Shut-In	<u>45</u>	Sub Total:	_____
		T-On Location	<u>20:00</u>	Std. By	_____
		T-Started	<u>20:37</u>	Other	_____
		T-Open	<u>22:15</u>	Total:	_____
		T-Pulled	<u>01:15</u>		
		T-Out	<u>03:24</u>		

Approved By _____

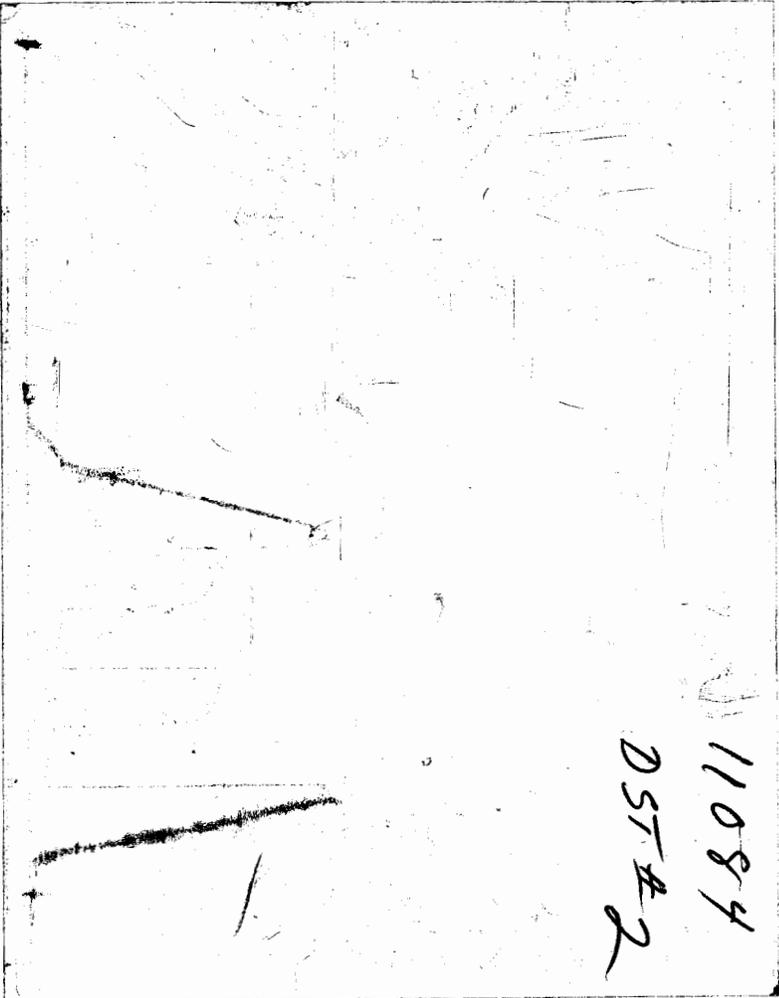
Our Representative

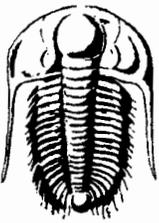
John J. Schmidt

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CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 18580

05/03

Test Ticket

Well Name & No. QUINTA #2 Test No. *3 Date 2-24-04
 Company RUSSELL OIL, INC. Zone Tested L.K.C. - 70+90
 Address _____ Elevation 2173 KB 2168 GL
 Co. Rep / Geo. TODD MORGENSTEIN Cont. SHIELDS Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 19 Twp. 8S Rge. 22W Co. GRAHAM State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3482 TO 3507 Initial Str Wt./Lbs. 47,000 Unseated Str Wt./Lbs. 48,000
 Anchor Length 25' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 3477 Tool Weight 2,200
 Bottom Packer Depth 3482 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3507 Wt. Pipe Run 346 Drill Collar Run 0
 Mud Wt. 9.2 LCM 0 Vis. 49 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run 3140
 Blow Description IF - STRONG BLOW B.O.B. 30-min. ISI - WEAK SURFACE BLOW BACK

Recovery - Total Feet 410 GIP 150 Ft. in ^{WP} 346 Ft. in DP 64
 Rec. 150 Feet of MOGCW 5% gas 15% oil 60% water 20% mud
 Rec. 260 Feet of GMCO 10% gas 65% oil 10% water 15% mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 106 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .17 @ 36 °F Chlorides 90,000 ppm Recovery _____ Chlorides 1,200 ppm System

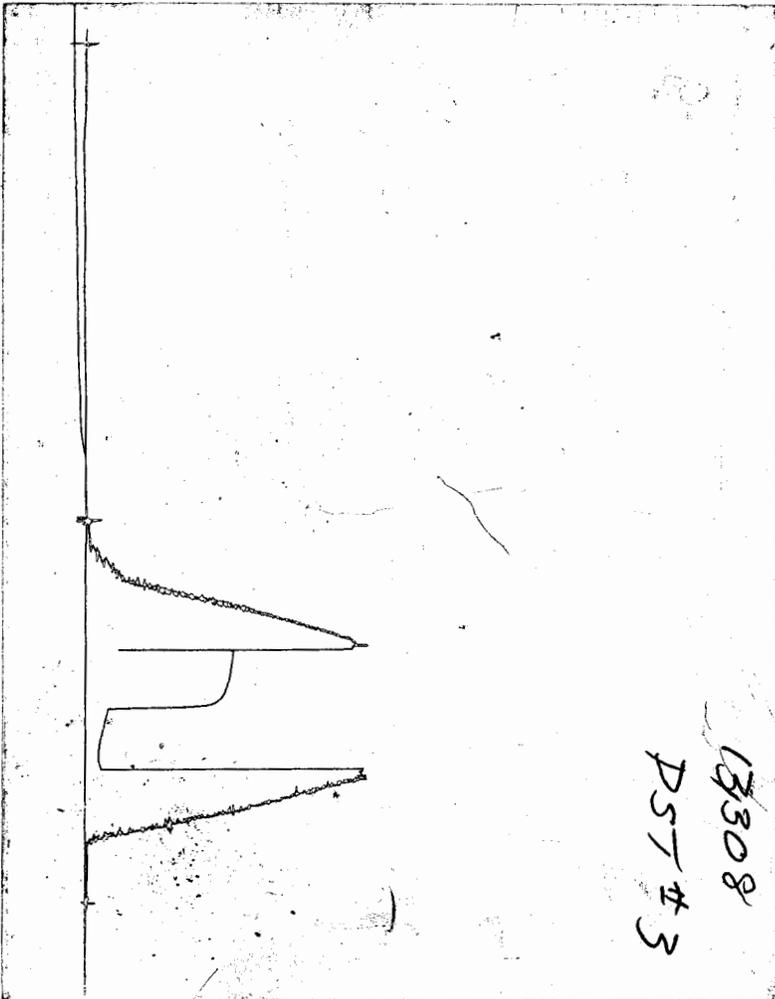
(A) Initial Hydrostatic Mud	AK-1	Alpine	Recorder No.	Test
(B) First Initial Flow Pressure		1689 PSI	(depth)	B. HOLE
(C) First Final Flow Pressure		14 PSI	Recorder No.	Elec. Rec. <input checked="" type="checkbox"/>
(D) Initial Shut-In Pressure		124 PSI	(depth)	Jars
(E) Second Initial Flow Pressure		907 PSI	Recorder No.	Safety Jt.
(F) Second Final Flow Pressure		130 PSI	(depth)	Circ Sub
(G) Final Shut-In Pressure		175 PSI	Recorder No.	Sampler
(Q) Final Hydrostatic Mud		897 PSI	Initial Opening	Straddle
		1644 PSI	Initial Shut-In	Ext. Packer
			Final Flow	Shale Packer
			Final Shut-In	Mileage <u>60</u>
			T-On Location	Sub Total:
			T-Started	Std. By
			T-Open	Other
			T-Pulled	Total:
			T-Out	

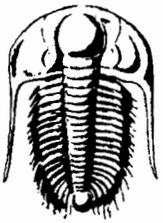
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Approved By J. S. Morgan
 Our Representative John J. Schmidt

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 18581

05/03

Test Ticket

Well Name & No. QUINT A # 2 Test No. # 4 Date 4-25-04
 Company RUSSELL OIL, INC. Zone Tested L.K.C. 160
 Address _____ Elevation 2173 KB 2168 GL _____
 Co. Rep / Geo. TODD MORGENSTERN Cont. SHIELDS Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 19 Twp. 8S Rge. 22W Co. GRAHAM State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3567 To 3589 Initial Str Wt./Lbs. 46,000 Unseated Str Wt/Lbs. 52,000
 Anchor Length 22' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth 3562 Tool Weight 2100
 Bottom Packer Depth 3567 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3589 Wt. Pipe Run 285 Drill Collar Run 0
 Mud Wt. 9.3 LCM 0 Vis. 47 WL 9.2 Drill Pipe Size 4 1/2 XH Ft. Run 3290
 Blow Description FF.-STRONG B.O.B, 1-min. ISI.-STRONG BLOW BACK B.O.B, 8-min. FF.-STRONG B.O.B, 1-min. FSI.-STRONG BLOW BACK B.O.B, 11-min.

Recovery - Total Feet 2000 GIP 1400 Ft. in ^{WP} DP 285 Ft. in DP 1715
 Rec. 2,000 Feet of GASSY OIL 15% gas 85% oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 112 °F Gravity 40 °API D @ 60 °F Corrected Gravity 40 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1,200 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1772</u>	PSI	<u>6741</u>	<u>B. HOLE</u>
(B) First Initial Flow Pressure	<u>119</u>	PSI	(depth) <u>3571</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure	<u>488</u>	PSI	Recorder No. <u>13308</u>	Jars _____
(D) Initial Shut-In Pressure	<u>1038</u>	PSI	(depth) <u>3586</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>506</u>	PSI	Recorder No. _____	Circ Sub <u>✓</u>
(F) Second Final Flow Pressure	<u>699</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>1022</u>	PSI	Initial Opening <u>45</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1675</u>	PSI	Initial Shut-In <u>60</u>	Ext. Packer _____
			Final Flow <u>45</u>	Shale Packer _____
			Final Shut-In <u>90</u>	Mileage <u>60</u>
			T-On Location <u>08:45</u>	Sub Total: _____
			T-Started <u>09:10</u>	Std. By _____
			T-Open <u>11:13</u>	Other _____
			T-Pulled <u>15:14</u>	Total: _____
			T-Out <u>18:13</u>	

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Approved By John L. Wagnon
 Our Representative John L. Schmidt

CHART PAGE

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