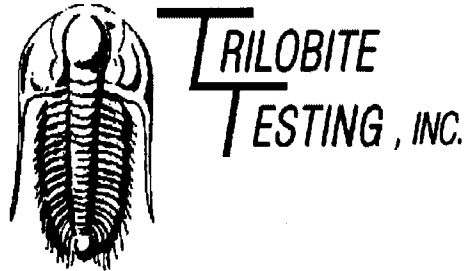


15-009-24783

31-20s-11w



DRILL STEM TEST REPORT

Prepared For: **Russell Oil**

PO Box 1469
Plainfield, IL 60544

ATTN: Todd Morgenstern

31-20s-11w-Barton

Wilson #1-31

Start Date: 2004.03.10 @ 19:53:45

End Date: 2004.03.11 @ 03:13:00

Job Ticket #: 18613 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
PO Box 1469
Plainfield, IL 60544
ATTN: Todd Morgenstern

Wilson #1-31
31-20s-11w-Barton
Job Ticket: 18613 **DST#: 1**
Test Start: 2004.03.10 @ 19:53:45

GENERAL INFORMATION:

Formation: **Lansing "J"**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 21:50:45
Time Test Ended: 03:13:00

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 24

Interval: **3304.00 ft (KB) To 3351.00 ft (KB) (TVD)**
Total Depth: **3351.00 ft (KB) (TVD)**
Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **1821.00 ft (KB)**
1811.00 ft (CF)
KB to GR/CF: **10.00 ft**

Serial #: 6627

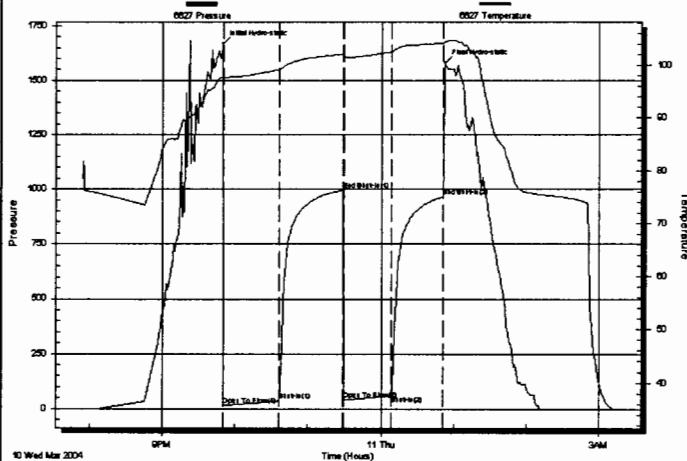
Inside

Press@RunDepth: **58.45 psig @ 3312.00 ft (KB)**
Start Date: **2004.03.10** End Date: **2004.03.11**
Start Time: **19:53:47** End Time: **03:13:00**

Capacity: **7000.00 psig**
Last Calib.: **1899.12.30**
Time On Btm: **2004.03.10 @ 21:50:00**
Time Off Btm: **2004.03.11 @ 00:52:15**

TEST COMMENT: **IFP-Weak Blow, Built to 2-1/4", No Blow back**
FFP-Weak Surface Blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1666.49	97.93	Initial Hydro-static
1	16.36	97.71	Open To Flow (1)
47	36.77	99.27	Shut-In(1)
99	995.80	102.14	End Shut-In(1)
99	41.14	101.71	Open To Flow (2)
138	58.45	102.48	Shut-In(2)
181	963.99	104.21	End Shut-In(2)
183	1578.96	104.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Mud W/ Oil Specs in Tool	0.59

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

Wilson #1-31

PO Box 1469
Plainfield, IL 60544

31-20s-11w-Barton

Job Ticket: 18613

DST#: 1

ATTN: Todd Morgenstern

Test Start: 2004.03.10 @ 19:53:45

Tool Information

Drill Pipe:	Length: 3080.00 ft	Diameter: 3.80 inches	Volume: 43.20 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 229.00 ft	Diameter: 2.25 inches	Volume: 1.13 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume:	44.33 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3304.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	68.00 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			3284.00	
Shut In Tool	5.00			3289.00	
Hydraulic tool	5.00			3294.00	
Packer	5.00			3299.00	21.00 Bottom Of Top Packer
Packer	5.00			3304.00	
Stubb	1.00			3305.00	
Perforations	6.00			3311.00	
Change Over Sub	1.00			3312.00	
Recorder	0.00	6627	Inside	3312.00	
Blank Spacing	30.00			3342.00	
Change Over Sub	1.00			3343.00	
Perforations	5.00			3348.00	
Recorder	0.00	13252	Outside	3348.00	
Bullnose	3.00			3351.00	47.00 Bottom Packers & Anchor

Total Tool Length: 68.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil

Wilson #1-31

PO Box 1469
Plainfield, IL 60544

31-20s-11w-Barton

Job Ticket: 18613

DST#: 1

ATTN: Todd Morgenstern

Test Start: 2004.03.10 @ 19:53:45

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Mud W/ Oil Specs in Tool	0.590

Total Length: 120.00 ft

Total Volume: 0.590 bbl

Num Fluid Samples: 0

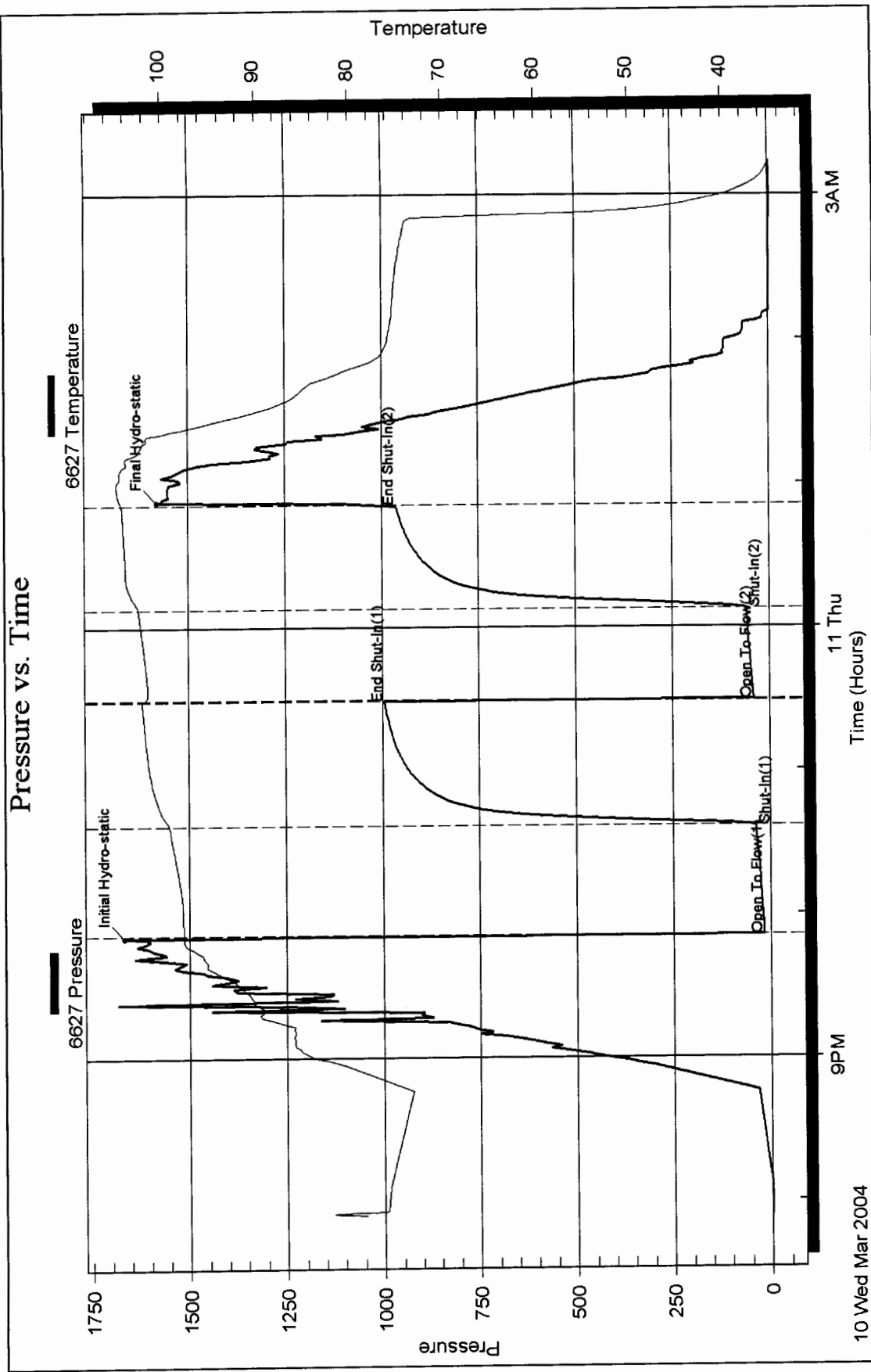
Num Gas Bombs: 0

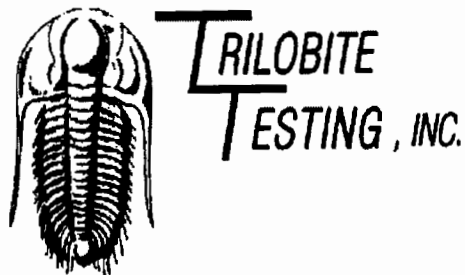
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Russell Oil**

PO Box 1469
Plainfield, IL 60544

ATTN: Todd Morgenstern

31-20s-11w-Barton

Wilson #1-31

Start Date: 2004.03.11 @ 14:50:00

End Date: 2004.03.11 @ 20:24:45

Job Ticket #: 18614 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Russell Oil
PO Box 1469
Plainfield, IL 60544
ATTN: Todd Morgenstern

Wilson #1-31
31-20s-11w-Barton
Job Ticket: 18614 **DST#: 2**
Test Start: 2004.03.11 @ 14:50:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 16:17:15
Time Test Ended: 20:24:45

Test Type: **Conventional Bottom Hole**
Tester: **Jason McLemore**
Unit No: **24**

Interval: **3366.00 ft (KB) To 3401.00 ft (KB) (TVD)**
Total Depth: **3351.00 ft (KB) (TVD)**
Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **1821.00 ft (KB)**
1811.00 ft (CF)
KB to GR/CF: **10.00 ft**

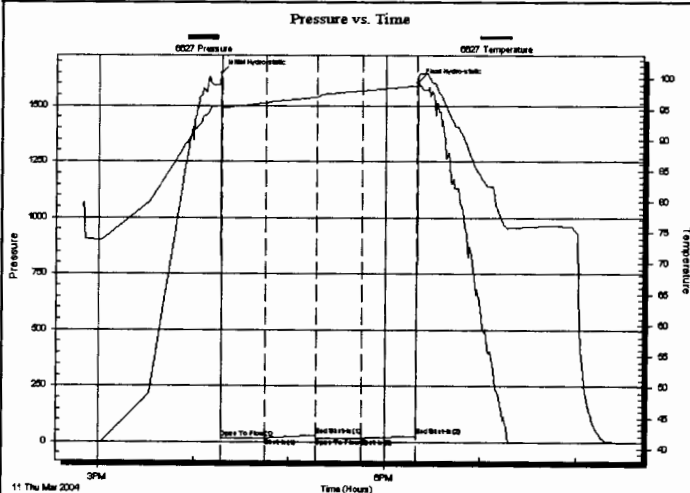
Serial #: 6627

Inside

Press@RunDepth: **17.91 psig @ 3373.00 ft (KB)**
Start Date: **2004.03.11** End Date: **2004.03.11**
Start Time: **14:50:02** End Time: **20:24:45**

Capacity: **7000.00 psig**
Last Calib.: **1899.12.30**
Time On Btm: **2004.03.11 @ 16:17:00**
Time Off Btm: **2004.03.11 @ 18:20:15**

TEST COMMENT: IFP- Weak Blow 1/4" No Blow back
FFP-Weak Blow, 1/4"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1644.57	95.65	Initial Hydro-static
1	14.62	95.24	Open To Flow (1)
28	16.77	96.05	Shut-In(1)
60	30.18	96.97	End Shut-In(1)
60	17.04	96.97	Open To Flow (2)
89	17.91	98.03	Shut-In(2)
123	27.22	98.88	End Shut-In(2)
124	1605.27	100.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Oil Spotted Mud	0.01

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil

Wilson #1-31

PO Box 1469
Plainfield, IL 60544

31-20s-11w-Barton

Job Ticket: 18614

DST#: 2

ATTN: Todd Morgenstern

Test Start: 2004.03.11 @ 14:50:00

Tool Information

Drill Pipe:	Length: 3132.00 ft	Diameter: 3.80 inches	Volume: 43.93 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 229.00 ft	Diameter: 2.25 inches	Volume: 1.13 bbl	Weight to Pull Loose:	55000.00 lb
		Total Volume:	45.06 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	3366.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	35.00 ft				
Tool Length:	56.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3346.00	
Shut In Tool	5.00			3351.00	
Hydraulic tool	5.00			3356.00	
Packer	5.00			3361.00	21.00 Bottom Of Top Packer
Packer	5.00			3366.00	
Stubb	1.00			3367.00	
Perforations	6.00			3373.00	
Recorder	0.00	6627	Inside	3373.00	
Perforations	25.00			3398.00	
Recorder	0.00	13252	Outside	3398.00	
Bullnose	3.00			3401.00	35.00 Bottom Packers & Anchor

Total Tool Length: 56.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil

Wilson #1-31

PO Box 1469
Plainfield, IL 60544

31-20s-11w-Barton

Job Ticket: 18614

DST#: 2

ATTN: Todd Morgenstern

Test Start: 2004.03.11 @ 14:50:00

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 12.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Oil Spotted Mud	0.015

Total Length: 3.00 ft

Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

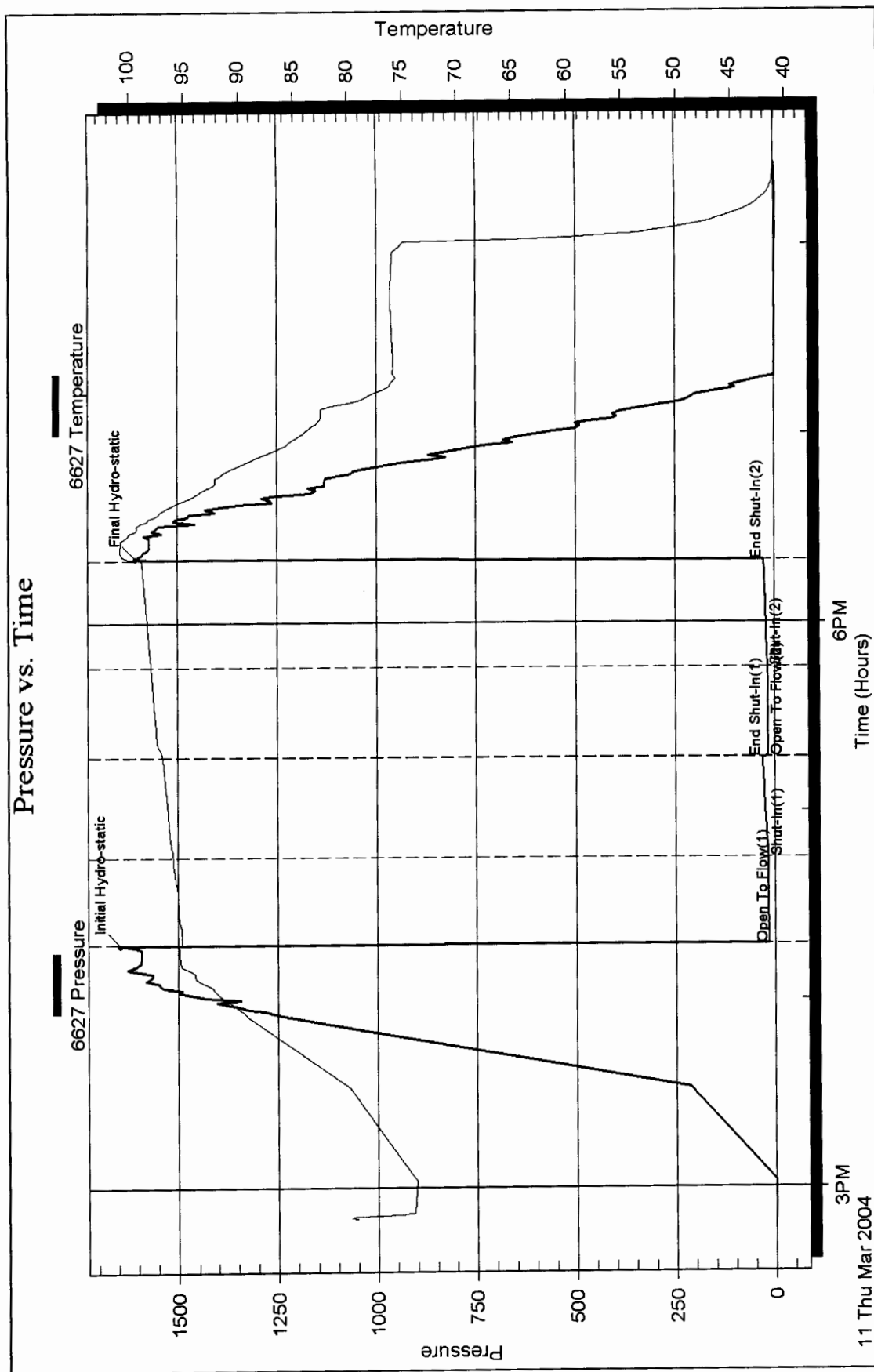
Serial #: 6627

Inside

Russell Oil

31-20s-11w-Barton

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Russell Oil**

PO Box 1469
Plainfield, IL 60544

ATTN: Todd Morgenstern

31-20s-11w-Barton

Wilson #1-31

Start Date: 2004.03.12 @ 02:36:14

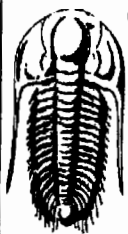
End Date: 2004.03.12 @ 10:02:29

Job Ticket #: 18615 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
PO Box 1469
Plainfield, IL 60544
ATTN: Todd Morgenstern

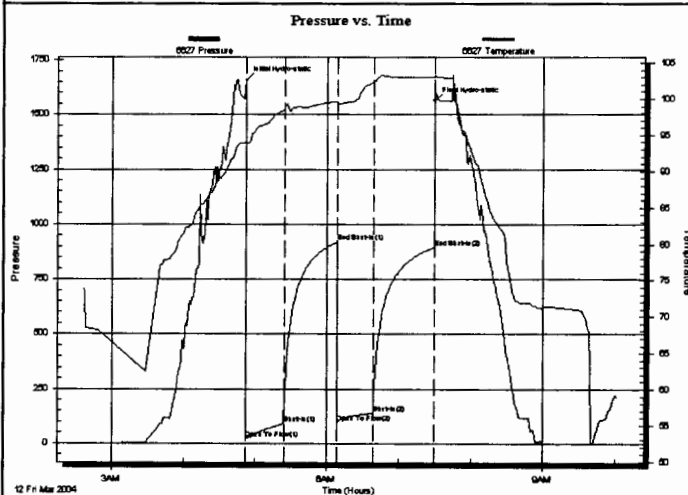
Wilson #1-31
31-20s-11w-Barton
Job Ticket: 18615 **DST#: 3**
Test Start: 2004.03.12 @ 02:36:14

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 04:52:44
Time Test Ended: 10:02:29
Interval: **3368.00 ft (KB) To 3406.00 ft (KB) (TVD)**
Total Depth: **3406.00 ft (KB) (TVD)**
Hole Diameter: **7.80 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Jason McLemore**
Unit No: **24**
Reference Elevations: **1821.00 ft (KB)**
1811.00 ft (CF)
KB to GR/CF: **10.00 ft**

Serial #: 6627 **Inside**
Press@RunDepth: **139.80 psig @ 3375.00 ft (KB)**
Start Date: **2004.03.12** End Date: **2004.03.12**
Start Time: **02:36:16** End Time: **10:02:29**
Capacity: **7000.00 psig**
Last Calib.: **1899.12.30**
Time On Btm: **2004.03.12 @ 04:52:29**
Time Off Btm: **2004.03.12 @ 07:28:59**

TEST COMMENT: IFF- Good Blow , Built to 8-1/2", No Blow back
FFP-Weak Blow , Built to 3-1/2", No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1658.50	94.30	Initial Hydro-static
1	22.16	93.70	Open To Flow (1)
32	91.22	98.59	Shut-In (1)
77	919.74	99.66	End Shut-In (1)
77	94.46	99.03	Open To Flow (2)
107	139.80	102.34	Shut-In (2)
157	894.90	103.06	End Shut-In (2)
157	1562.91	103.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
270.00	Muddy Water W/Oil Spots in tool	1.70

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

Wilson #1-31

PO Box 1469
Plainfield, IL 60544

31-20s-11w-Barton

Job Ticket: 18615

DST#: 3

ATTN: Todd Morgenstern

Test Start: 2004.03.12 @ 02:36:14

Tool Information

Drill Pipe:	Length: 3132.00 ft	Diameter: 3.80 inches	Volume: 43.93 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 229.00 ft	Diameter: 2.25 inches	Volume: 1.13 bbl	Weight to Pull Loose: 55500.00 lb
		Total Volume:	45.06 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3368.00 ft			Final 55500.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	59.00 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			3348.00	
Shut In Tool	5.00			3353.00	
Hydraulic tool	5.00			3358.00	
Packer	5.00			3363.00	21.00 Bottom Of Top Packer
Packer	5.00			3368.00	
Stubb	1.00			3369.00	
Perforations	6.00			3375.00	
Recorder	0.00	6627	Inside	3375.00	
Perforations	28.00			3403.00	
Recorder	0.00	13252	Outside	3403.00	
Bullnose	3.00			3406.00	38.00 Bottom Packers & Anchor

Total Tool Length: 59.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil

Wilson #1-31

PO Box 1469
Plainfield, IL 60544

31-20s-11w-Barton

Job Ticket: 18615

DST#: 3

ATTN: Todd Morgenstern

Test Start: 2004.03.12 @ 02:36:14

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:

1200 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 12.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
270.00	Muddy Water W/Oil Spots in tool	1.701

Total Length: 270.00 ft

Total Volume: 1.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

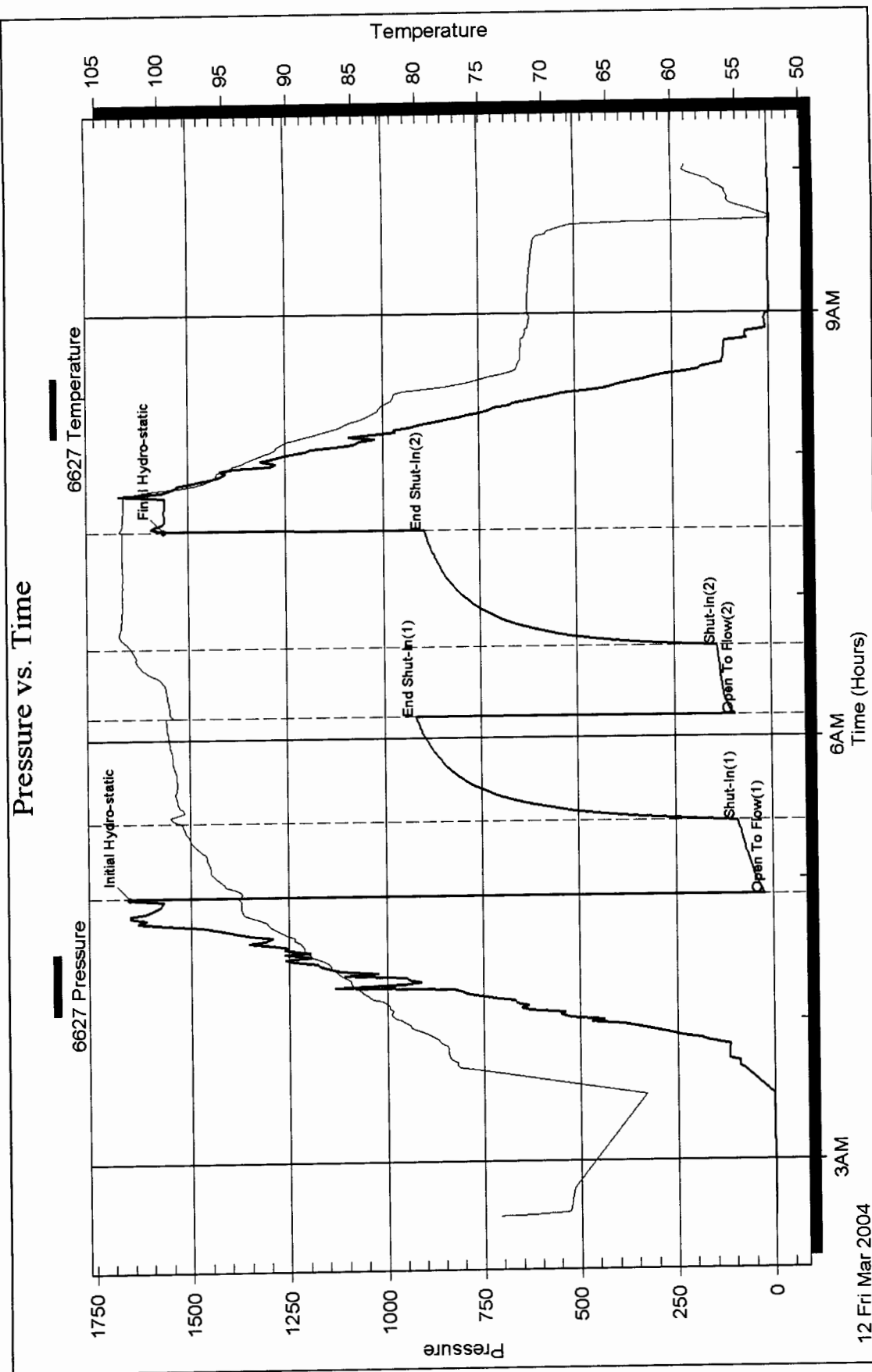
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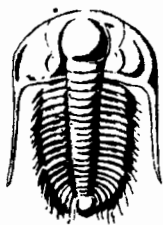
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV
6267

Nº 18613

05/03

Test Ticket

Well Name & No.	Wilson #1-31	Test No.	1	Date	3-10-04
Company	Russell Oil	Zone Tested	Lansing J		
Address	PO Box 1469, Plainfield, Ill. 60544	Elevation	1821	KB	GL
Co. Rep / Geo.	Todd Morgestern	Cont.	Southwind #1	Est. Ft. of Pay	Por. %
Location: Sec.	31	Twp.	20s	Rge.	11w
		Co.	Barton	State	Ks
No. of Copies	Reg	Disbtribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	3304 - 3351	Initial Str Wt./Lbs.	50000	Unseated Str Wt./Lbs.	50000
Anchor Length	47'	Wt. Set Lbs.	25,000	Wt. Pulled Loose/Lbs.	50000
Top Packer Depth	3299	Tool Weight	2400		
Bottom Packer Depth	3304	Hole Size 7 7/8"	✓	Rubber Size 6 3/4"	✓
Total Depth	3351	Wt. Pipe Run	0	Drill Collar Run	229
Mud Wt.	9.4	LCM	0	Vis.	48
		WL	11.2	Drill Pipe Size	4 1/2 X 14
Blow Description	IFP - Weak Blow, Built to 2 1/4", No Blowback				
	FFP - Weak Surface Blow				

Recovery - Total Feet	120	GIP		Ft. in DC		Ft. in DP	
Rec.	120	Feet of	Mud, Oil specs	%gas	%oil	%water	%mud
Rec.		Feet of	in tool	%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	104°	°F Gravity		°API D @		°F Corrected Gravity	°API
RW		@	°F	Chlorides	ppm Recovery	Chlorides	2700 ppm System

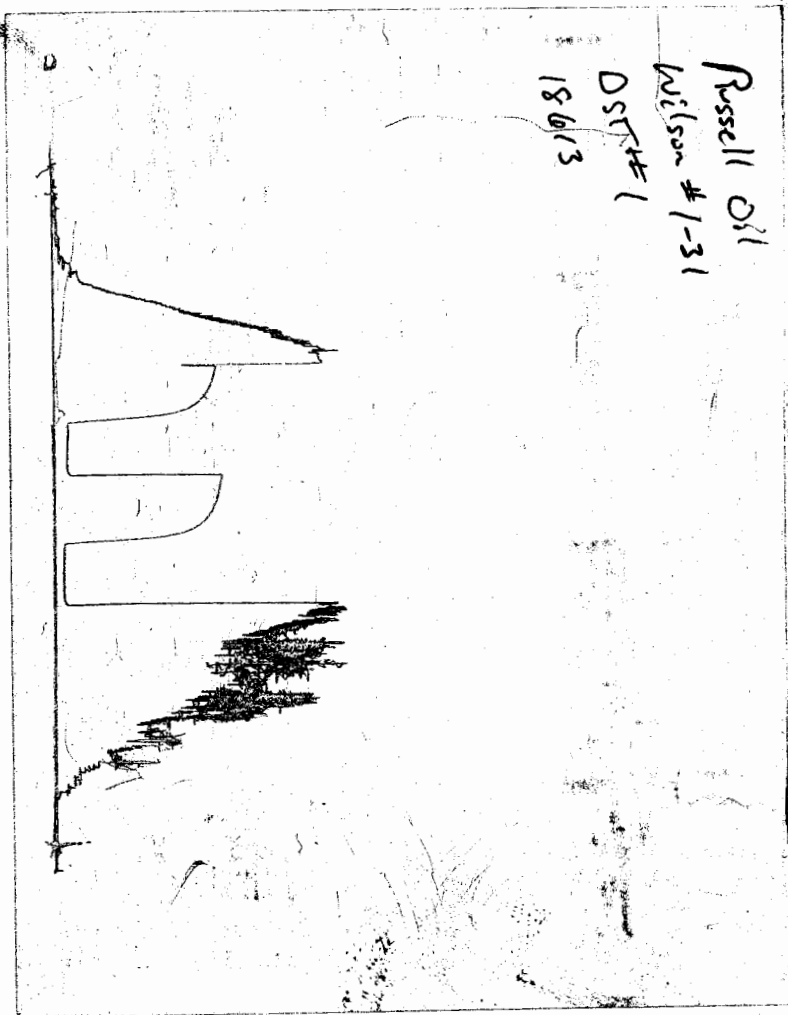
(A) Initial Hydrostatic Mud	AK-1	Alpine	1666	PSI	Recorder No.	6627	Test	✓
(B) First Initial Flow Pressure			16	PSI	(depth)	3311	Elec. Rec.	✓
(C) First Final Flow Pressure			37	PSI	Recorder No.	13252	Jars	
(D) Initial Shut-In Pressure			996	PSI	(depth)	3348	Safety Jt.	
(E) Second Initial Flow Pressure			41	PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure			58	PSI	(depth)		Sampler	
(G) Final Shut-In Pressure			964	PSI	Initial Opening	45	Straddle	
(Q) Final Hydrostatic Mud			1579	PSI	Initial Shut-In	45	Ext. Packer	
					Final Flow	45	Shale Packer	
					Final Shut-In	45	Mileage	83
					T-On Location	19:00	Sub Total:	991.10
					T-Started	19:53	Std. By	
					T-Open	21:49	Other	
					T-Pulled	00:49	Total:	
					T-Out	3:00		

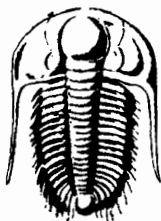
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR FOR ANY STATEMENTS OR OPINION CONCERNING THE RESULTS OF THE TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR BY THE PARTY FOR WHOM THE TEST IS MADE.

Signature: Jason McLean

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 18614

05/03

Test Ticket

Well Name & No. <u>Wilson #1-31</u>	Test No. <u>2</u>	Date <u>3-11-04</u>
Company <u>Russell Oil</u>	Zone Tested <u>Arbuckle</u>	
Address <u>PO Box 1469, Plainfield, IL 60544</u>	Elevation <u>1821</u>	KB <u>1811</u> GL
Co. Rep / Geo. <u>Todd Morganstern</u>	Cont. <u>Southwind #1</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>31</u>	Twp. <u>20S</u>	Rge. <u>11W</u> Co. <u>Barton</u> State <u>Ks</u>
No. of Copies <u>Reg</u>	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3366 - 3401</u>	Initial Str Wt./Lbs. <u>55,000</u>	Unseated Str Wt./Lbs. <u>55,000</u>
Anchor Length <u>35'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>55,000</u>
Top Packer Depth <u>3361</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>3366</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>3401</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>229</u>
Mud Wt. <u>9.2</u> LCM <u>0</u> Vis. <u>53</u> WL <u>12.2</u>	Drill Pipe Size <u>4 1/2 X 4</u>	Ft. Run <u>3132</u>
Blow Description <u>IFP - Weak Blow 1/4", No Blowback</u>		
<u>FFP - Weak Blow 1/4", No Blowback</u>		

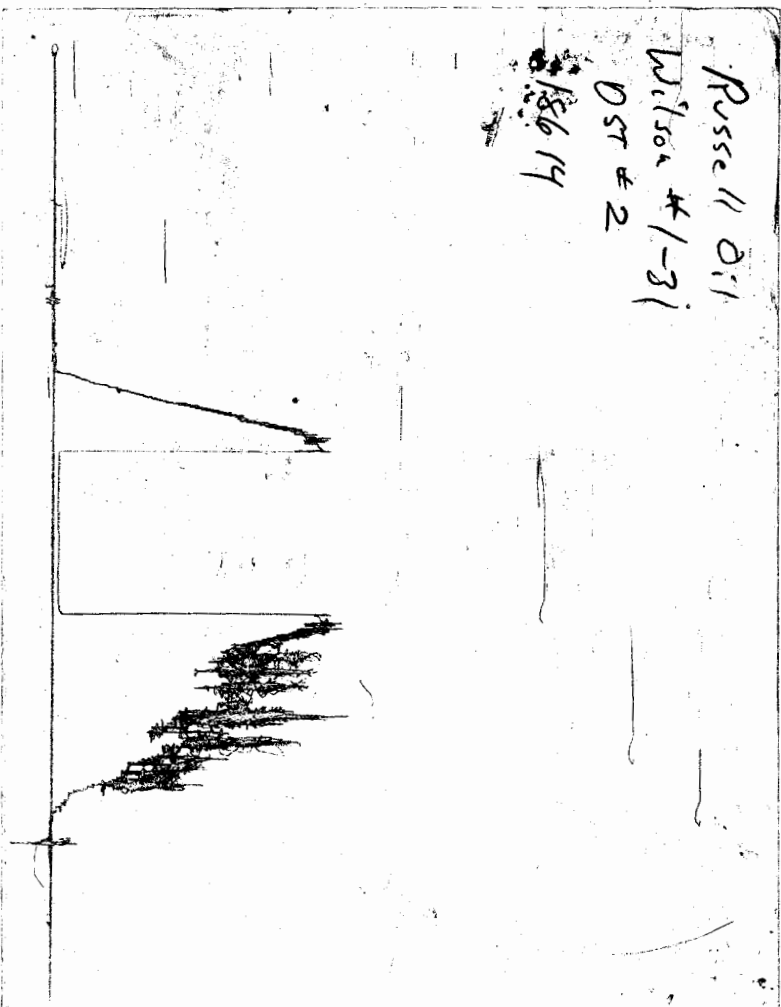
Recovery - Total Feet <u>3</u>	GIP _____	Ft. in DC _____	Ft. in DP _____
Rec. <u>3</u>	Feet of <u>Oil spotted mud</u>	%gas _____	%oil _____ %water _____ %mud _____
Rec. _____	Feet of <u>"Free Oil in Tool</u>	%gas _____	%oil _____ %water _____ %mud _____
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud _____
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud _____
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud _____
BHT _____	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____ °API _____
RW _____	@ _____ °F	Chlorides _____ ppm Recovery _____	Chlorides <u>5,300</u> ppm System _____

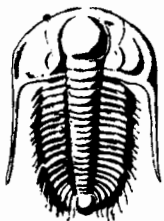
(A) Initial Hydrostatic Mud	AK-1 <u>1645</u> PSI	Alpine	Recorder No. <u>6627</u>	Test <u>✓</u>
(B) First Initial Flow Pressure	<u>15</u> PSI		(depth) <u>3372</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure	<u>17</u> PSI		Recorder No. <u>13252</u>	Jars _____
(D) Initial Shut-In Pressure	<u>30</u> PSI		(depth) <u>3398</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>17</u> PSI		Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>18</u> PSI		(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>27</u> PSI	Initial Opening <u>30</u>		Straddle _____
(Q) Final Hydrostatic Mud	<u>1605</u> PSI	Initial Shut-In <u>30</u>		Ext. Packer _____
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.		Final Flow <u>30</u>		Shale Packer _____
		Final Shut-In <u>30</u>		Mileage <u>83</u>
		T-On Location <u>3 14:00</u>		Sub Total: <u>991.10</u>
		T-Started <u>14:50</u>		Std. By _____
		T-Open <u>16:15</u>		Other _____
		T-Pulled <u>18:15</u>		Total: _____
		T-Out <u>20:15</u>		

Approved By _____

Our Representative Jason McLean

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 18615

05/03

Test Ticket

Well Name & No. <u>Wilson #1-31</u>	Test No. <u>3</u>	Date <u>3-12-04</u>
Company <u>Russell Oil</u>	Zone Tested <u>Arbuckle</u>	
Address <u>PO Box 1469, Plainfield, ILL. 60544</u>	Elevation <u>1821</u>	KB <u>1811</u> GL
Co. Rep / Geo. <u>Todd Morgenstern</u>	Cont. <u>Southwind #1</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>31</u>	Twp. <u>20s</u>	Rge. <u>11w</u> Co. <u>Barton</u> State <u>Ks</u>
No. of Copies <u>Reg</u>	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3368 - 3406</u>	Initial Str Wt./Lbs. <u>55,000</u>	Unseated Str Wt./Lbs. <u>55,500</u>
Anchor Length <u>38'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>55,500</u>
Top Packer Depth <u>3363</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>3368</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>3406</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>229</u>
Mud Wt. <u>9.2</u> LCM <u>0</u> Vis. <u>53</u> WL <u>12.2</u>	Drill Pipe Size <u>4 1/2 X H</u>	Ft. Run _____
Blow Description <u>IFP - Good Blow, Built to 8 1/2", No Blowback</u> <u>FFP - Walk Blow, Built to 3 1/2", No Blowback</u>		

Recovery - Total Feet <u>270</u>	GIP _____	Ft. in DC _____	Ft. in DP _____
Rec. <u>270</u>	Feet of <u>Muddy Water w/oil spots</u>	%gas _____	%oil _____ %water _____ %mud _____
Rec. _____	Feet of <u>in tool</u>	%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 _____	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____ °API _____
RW <u>650</u>	@ <u>50</u> °F	Chlorides <u>1200</u> ppm	Recovery _____ Chlorides <u>5,300</u> ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>1658</u> PSI	Alpine	Recorder No. <u>6627</u>	Test <u>✓</u>
(B) First Initial Flow Pressure	<u>22</u> PSI		(depth) <u>3374</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure	<u>91</u> PSI		Recorder No. <u>13252</u>	Jars _____
(D) Initial Shut-In Pressure	<u>920</u> PSI		(depth) <u>3403</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>94</u> PSI		Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>140</u> PSI		(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>895</u> PSI	Initial Opening	<u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1563</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>83</u>
		T-On Location	<u>1:00</u>	Sub Total: <u>991.10</u>
		T-Started	<u>2:36</u>	Std. By <u>hr</u>
		T-Open	<u>4:54</u>	Other _____
		T-Pulled	<u>7:24</u>	Total: _____
		T-Out	<u>10:00</u>	

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Approved By _____
Our Representative Jason McHenry

CHART PAGE

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

