

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Russel Oil CO**

PO Box 1469
Plainfield IL 60544

ATTN: Todd Morgenstern

7 21 13W Stafford KS

Hall Unit #1

Start Date: 2007.01.10 @ 15:41:20

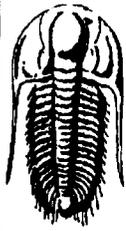
End Date: 2007.01.10 @ 22:13:50

Job Ticket #: 27119 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

Russel Oil CO
 PO Box 1469
 Plainfield IL 60544
 ATTN: Todd Morgenstern

Hall Unit #1
7 21 13W Stafford KS
 Job Ticket: 27119 **DST#: 1**
 Test Start: 2007.01.10 @ 15:41:20

GENERAL INFORMATION:

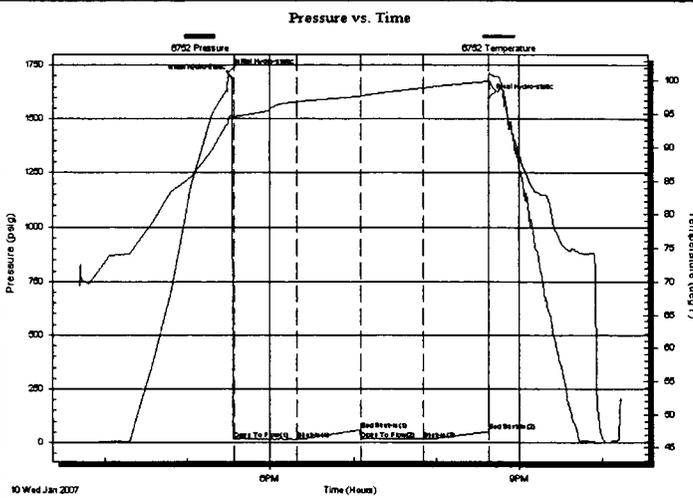
Formation: **Lansing/KC H**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:34:05
 Time Test Ended: 22:13:50
 Interval: **3451.00 ft (KB) To 3476.00 ft (KB) (TVD)**
 Total Depth: 3476.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole
 Tester: Leal Cason
 Unit No: 19
 Reference Elevations: 1922.00 ft (KB)
 1914.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6752

Inside

Press@RunDepth: 16.55 psig @ 3452.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2007.01.10 End Date: 2007.01.10 Last Calib.: 2007.01.10
 Start Time: 15:41:25 End Time: 22:13:49 Time On Btm: 2007.01.10 @ 17:29:50
 Time Off Btm: 2007.01.10 @ 20:38:04

TEST COMMENT: IF Weak Blow 1 inch
 ISI No Blow back
 FF Weak Blow 2 1/2 inch
 FSI No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1715.67	93.61	Initial Hydro-static
4	1687.26	94.79	Initial Hydro-static
5	15.30	94.64	Open To Flow (1)
50	16.17	96.85	Shut-in(1)
95	60.63	97.69	End Shut-in(1)
96	14.70	97.70	Open To Flow (2)
141	16.55	98.95	Shut-in(2)
188	52.49	99.93	End Shut-in(2)
189	1598.04	100.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	SOCM 5%O 95%M	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russel Oil CO

Hall Unit #1

PO Box 1469
Plainfield IL 60544

7 21 13W Stafford KS

Job Ticket: 27119

DST#: 1

ATTN: Todd Morgenstern

Test Start: 2007.01.10 @ 15:41:20

Tool Information

Drill Pipe:	Length: 3416.00 ft	Diameter: 3.80 inches	Volume: 47.92 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 3.25 inches	Volume: - bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose:	46000.00 lb
			<u>Total Volume:</u>	Tool Chased	ft
				String Weight: Initial	44000.00 lb
Drill Pipe Above KB:	14.00 ft			Final	44000.00 lb
Depth to Top Packer:	3451.00 ft				
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			3432.00	
Shut In Tool	5.00			3437.00	
Hydraulic tool	5.00			3442.00	
Packer	5.00			3447.00	20.00 Bottom Of Top Packer
Packer	4.00			3451.00	
Stubb	1.00			3452.00	
Recorder	0.00	6752	Inside	3452.00	
Perforations	21.00			3473.00	
Recorder	0.00	6704	Outside	3473.00	
Bullnose	3.00			3476.00	25.00 Bottom Packers & Anchor
Total Tool Length:	45.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russel Oil CO

Hall Unit #1

PO Box 1469
Plainfield IL 60544

7 21 13W Stafford KS

Job Ticket: 27119

DST#: 1

ATTN: Todd Morgenstern

Test Start: 2007.01.10 @ 15:41:20

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: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	SOCM 5%O 95%M	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

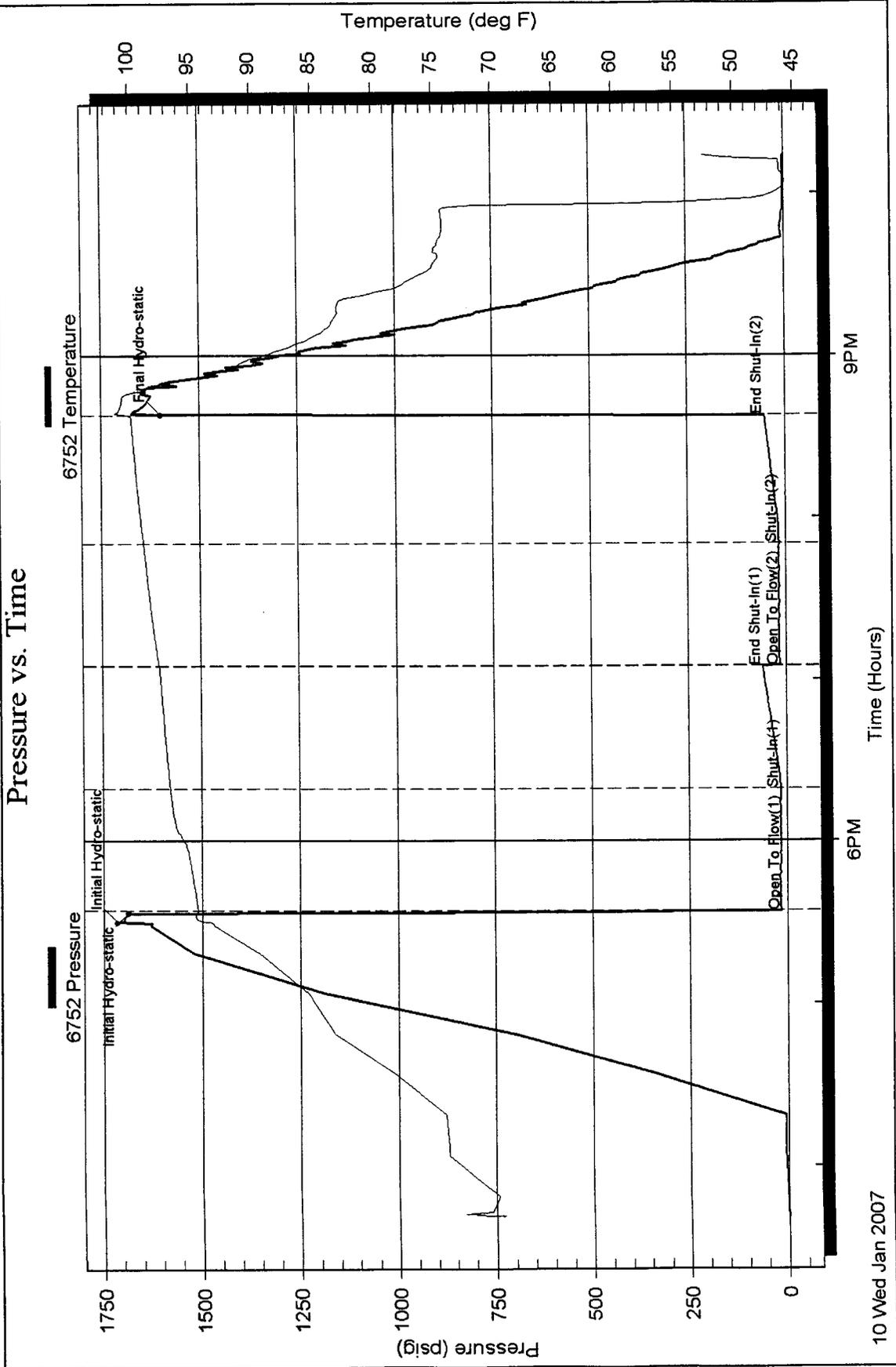
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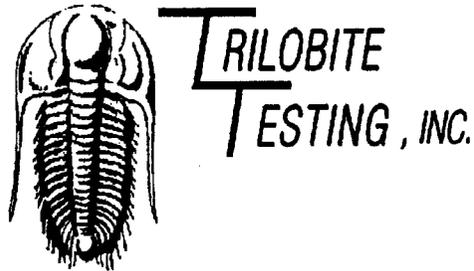
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Russel Oil CO**

PO Box 1469
Plainfield IL 60544

ATTN: Todd Morgenstern

7 21 13W Stafford KS

Hall Unit #1

Start Date: 2007.01.11 @ 07:18:47

End Date: 2007.01.11 @ 14:31:32

Job Ticket #: 27120 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

Russel Oil CO
PO Box 1469
Plainfield IL 60544
ATTN: Todd Morgenstern

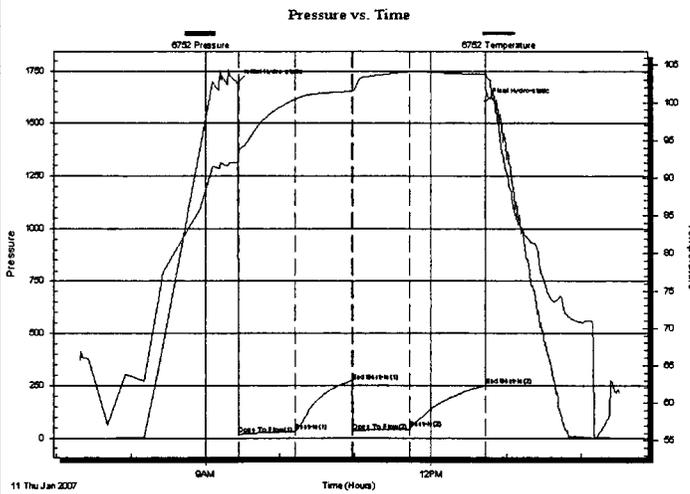
Hall Unit #1
7 21 13W Stafford KS
Job Ticket: 27120 DST#: 2
Test Start: 2007.01.11 @ 07:18:47

GENERAL INFORMATION:

Formation: **Lansing/KC - I**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:27:32
 Time Test Ended: 14:31:32
 Interval: **3471.00 ft (KB) To 3496.00 ft (KB) (TVD)**
 Total Depth: 3496.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole
 Tester: Leal Cason
 Unit No: 19
 Reference Elevations: 1922.00 ft (KB)
 1914.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6752 Inside
 Press@RunDepth: 42.02 psig @ 3472.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2007.01.11 End Date: 2007.01.11 Last Calib.: 2007.01.11
 Start Time: 07:18:52 End Time: 14:31:31 Time On Btm: 2007.01.11 @ 09:26:17
 Time Off Btm: 2007.01.11 @ 12:43:31

TEST COMMENT: IF Strong Blow BOB in 20 minutes
 ISI Bled Off No Blow back
 FF Weak Blow 3 1/2 inch
 FSI Bled off No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1692.94	92.08	Initial Hydro-static
2	16.93	93.49	Open To Flow (1)
46	30.18	100.41	Shut-In(1)
92	268.27	101.46	End Shut-In(1)
92	31.10	101.43	Open To Flow (2)
137	42.02	104.13	Shut-In(2)
197	248.59	103.75	End Shut-In(2)
198	1603.23	104.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	OMCW 10%O 26%O 64%W	0.91
0.00	240 foot GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russel Oil CO

Hall Unit #1

PO Box 1469
Plainfield IL 60544

7 21 13W Stafford KS

Job Ticket: 27120

DST#: 2

ATTN: Todd Morgenstern

Test Start: 2007.01.11 @ 07:18:47

Tool Information

Drill Pipe:	Length: 3476.00 ft	Diameter: 3.80 inches	Volume: 48.76 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 48.76 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3471.00 ft			Final 44000.00 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			3452.00	
Shut In Tool	5.00			3457.00	
Hydraulic tool	5.00			3462.00	
Packer	5.00			3467.00	20.00 Bottom Of Top Packer
Packer	4.00			3471.00	
Stubb	1.00			3472.00	
Recorder	0.00	6752	Inside	3472.00	
Perforations	21.00			3493.00	
Recorder	0.00	6704	Outside	3493.00	
Bullnose	3.00			3496.00	25.00 Bottom Packers & Anchor
Total Tool Length:	45.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Russel Oil CO

Hall Unit #1

PO Box 1469
Plainfield IL 60544

7 21 13W Stafford KS

Job Ticket: 27120 **DST#: 2**

ATTN: Todd Morgenstern

Test Start: 2007.01.11 @ 07:18:47

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: 68.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	OMCW 10%O 26%O 64%W	0.912
0.00	240 foot GIP	0.000

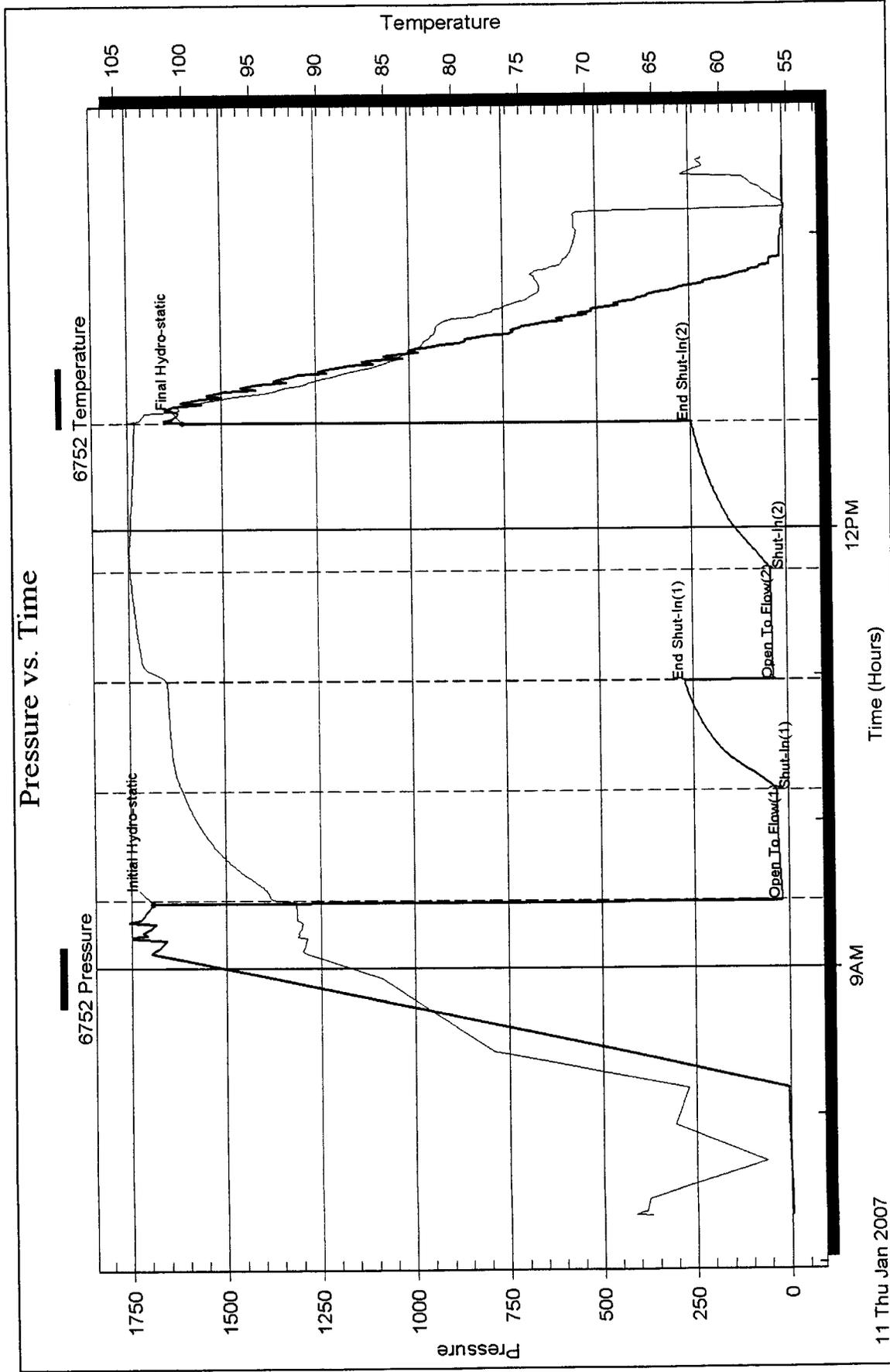
Total Length: 65.00 ft Total Volume: 0.912 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time

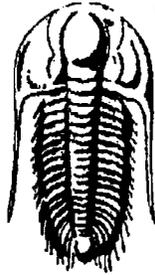


11 Thu Jan 2007

12PM

9AM

Time (Hours)



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Russel Oil CO**

PO Box 1469
Plainfield IL 60544

ATTN: Todd Morgenstern

7 21 13W Stafford KS

Hall Unit #1

Start Date: 2007.01.12 @ 11:52:40

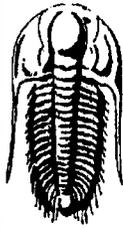
End Date: 2007.01.12 @ 23:12:55

Job Ticket #: 27121 DST #: 3

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DRILL STEM TEST REPORT

Russel Oil CO
PO Box 1469
Plainfield IL 60544

ATTN: Todd Morgenstern

Hall Unit #1

7 21 13W Stafford KS

Job Ticket: 27121

DST#: 3

Test Start: 2007.01.12 @ 11:52:40

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:38:55

Time Test Ended: 23:12:55

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 19

Interval: **3580.00 ft (KB) To 3644.00 ft (KB) (TVD)**

Total Depth: 3644.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1922.00 ft (KB)

1914.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6752 Inside

Press@RunDepth: 727.70 psig @ 3581.00 ft (KB)

Start Date: 2007.01.12

End Date: 2007.01.12

Start Time: 11:52:45

End Time: 23:12:55

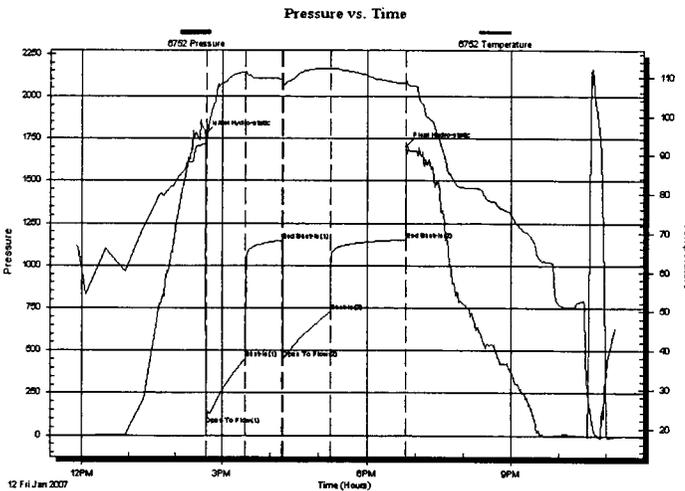
Capacity: 7000.00 psig

Last Calib.: 2007.01.12

Time On Btm: 2007.01.12 @ 14:38:25

Time Off Btm: 2007.01.12 @ 18:48:24

TEST COMMENT: IF Strong Blow BOB in 3 minutes
ISI Bled Off No Blow back
FF Strong Blow BOB in 10 minutes
FSI Bled Off No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1774.18	92.88	Initial Hydro-static
1	57.91	92.73	Open To Flow (1)
50	452.40	111.33	Shut-in(1)
97	1147.90	109.60	End Shut-in(1)
98	452.14	108.69	Open To Flow (2)
157	727.70	112.17	Shut-in(2)
250	1153.56	108.41	End Shut-in(2)
250	1704.35	108.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Water	1.68
360.00	OMCW 5%O 5%M 90%W	5.05
120.00	GSY MOCW 15%G 5%M 30%O 50%W	1.68
945.00	GSY MVCO 8%G 10%M 38%W 44%C	13.26

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russel Oil CO

Hall Unit #1

PO Box 1469
Plainfield IL 60544

7 21 13W Stafford KS

Job Ticket: 27121 DST#: 3

ATTN: Todd Morgenstern

Test Start: 2007.01.12 @ 11:52:40

Tool Information

Drill Pipe:	Length: 3569.00 ft	Diameter: 3.80 inches	Volume: 50.06 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 50.06 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3580.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	84.00 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			3561.00	
Shut In Tool	5.00			3566.00	
Hydraulic tool	5.00			3571.00	
Packer	5.00			3576.00	20.00 Bottom Of Top Packer
Packer	4.00			3580.00	
Stubb	1.00			3581.00	
Recorder	0.00	6752	Inside	3581.00	
Perforations	29.00			3610.00	
Drill Pipe	31.00			3641.00	
Recorder	0.00	6704	Outside	3641.00	
Bullnose	3.00			3644.00	64.00 Bottom Packers & Anchor

Total Tool Length: 84.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russel Oil CO
PO Box 1469
Plainfield IL 60544

Hall Unit #1
7 21 13W Stafford KS
Job Ticket: 27121 **DST#: 3**
Test Start: 2007.01.12 @ 11:52:40

ATTN: Todd Morgenstern

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: 29000 ppm	
Viscosity: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7500.00 ppm			
Filter Cake: inches			

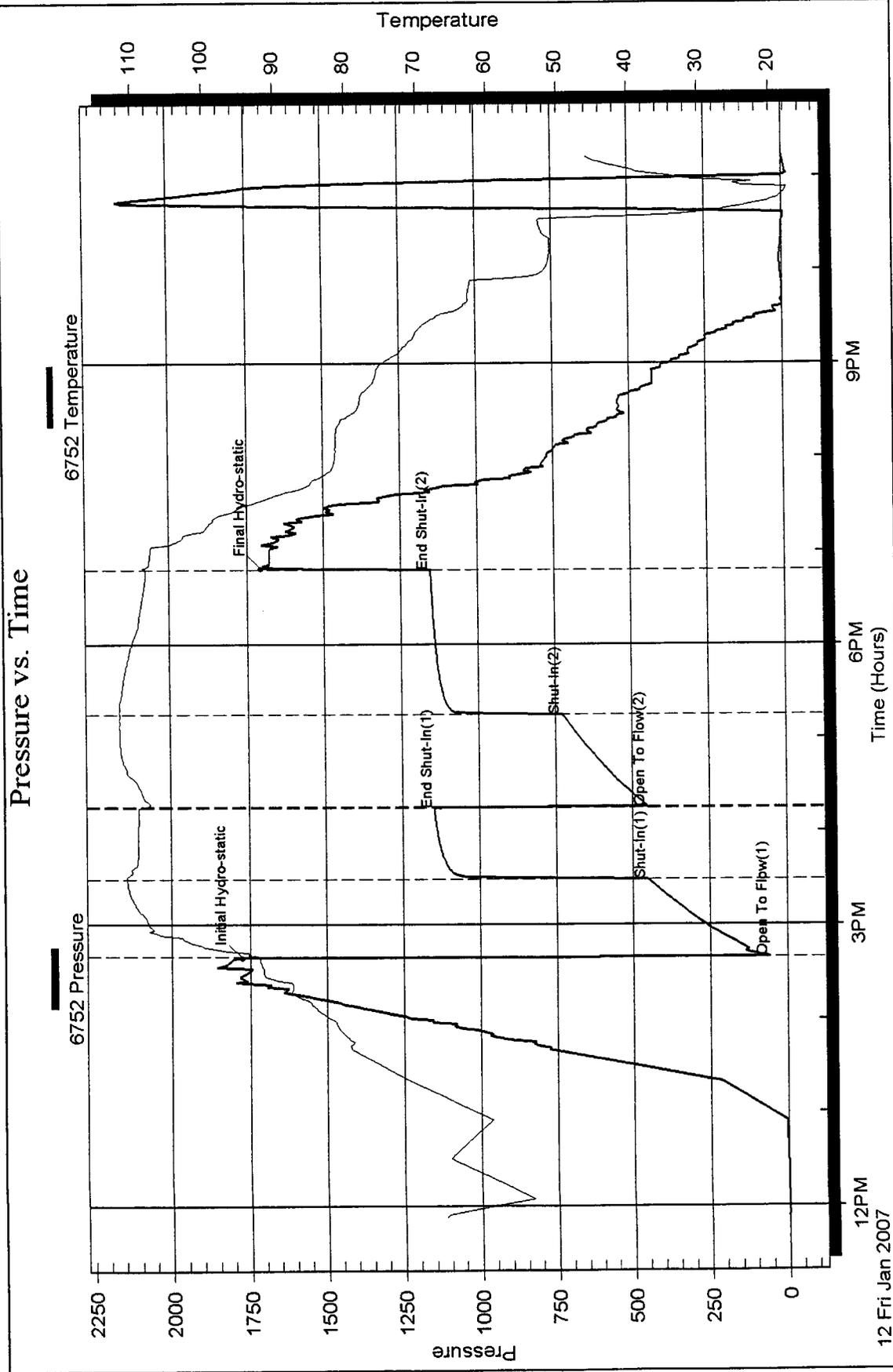
Recovery Information

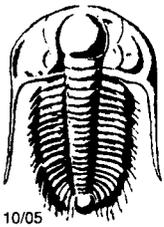
Recovery Table

Length ft	Description	Volume bbl
120.00	Water	1.683
360.00	OMCW 5%O 5%M 90%W	5.050
120.00	GSY MOCW 15%G 5%M 30%O 50%W	1.683
945.00	GSY MWCO 8%G 10%M 38%W 44%O	13.256

Total Length: 1545.00 ft Total Volume: 21.672 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

27119

9748

Test Ticket

Well Name & No. Hall unit #1 Test No. 1 Date 1/10/07
 Company Russel Oil Co. Zone Tested Lansing KC H
 Address PO BOX 1469 Plainfield, IL 60544 Elevation 1922 KB 1914 GL
 Co. Rep / Geo. Todd Morgenstern Rig Southwind Rig #3
 Location: Sec. 7 Twp. 21S Rge. 13W Co. Stafford State K5
 Comment: _____ Release date / time: _____

Interval Tested 3451 - 3476 Initial Str Wt./Lbs. 44000 Unseated Str Wt./Lbs. 44000
 Anchor Length 25 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 46000
 Top Packer Depth 3447 Tool Weight 2100
 Bottom Packer Depth 3451 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3476 Wt. Pipe Run _____ Drill Collar Run 29
 Mud Wt. 9.3 LCM _____ Vis. 62 WL 8.0 Drill Pipe Size 4 1/2 Ft. Run 3416

Blow Description IF: WEAK Blow, 1 inch
ISF: NO Blowback
EF: WEAK Blow, 2 1/2 inch
ESF: NO Blowback

Recovery - Total Feet 15 GIP _____ Ft. in DC 15 Ft. in DP _____
 Rec. 15 Feet of BOCM %gas 5 %oil _____ %water 95 %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 100 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 6000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1716</u> PSI	<u>6752</u>	<u>✓ 1100</u>
(B) First Initial Flow Pressure		<u>15</u> PSI	(depth) <u>3452</u>	Jars _____
(C) First Final Flow Pressure		<u>16</u> PSI	Recorder No. <u>6704</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>61</u> PSI	(depth) <u>3473</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>15</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>17</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>52</u> PSI	Initial Opening <u>45</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1680</u> PSI	Initial Shut-In <u>45</u>	Shale Packer _____
			Final Flow <u>45</u>	Ruined Packer _____
			Final Shut-In <u>45</u>	Mileage <u>(80) 100</u>
			T-On Location <u>14:30</u>	Sub Total: _____
			T-Started <u>1541</u>	Std. By _____
			T-Open <u>1734</u>	Acc. Chg: <u>\$1200</u>
			T-Pulled <u>2037</u>	Other: _____
			T-Out <u>2213</u>	Total: _____

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.

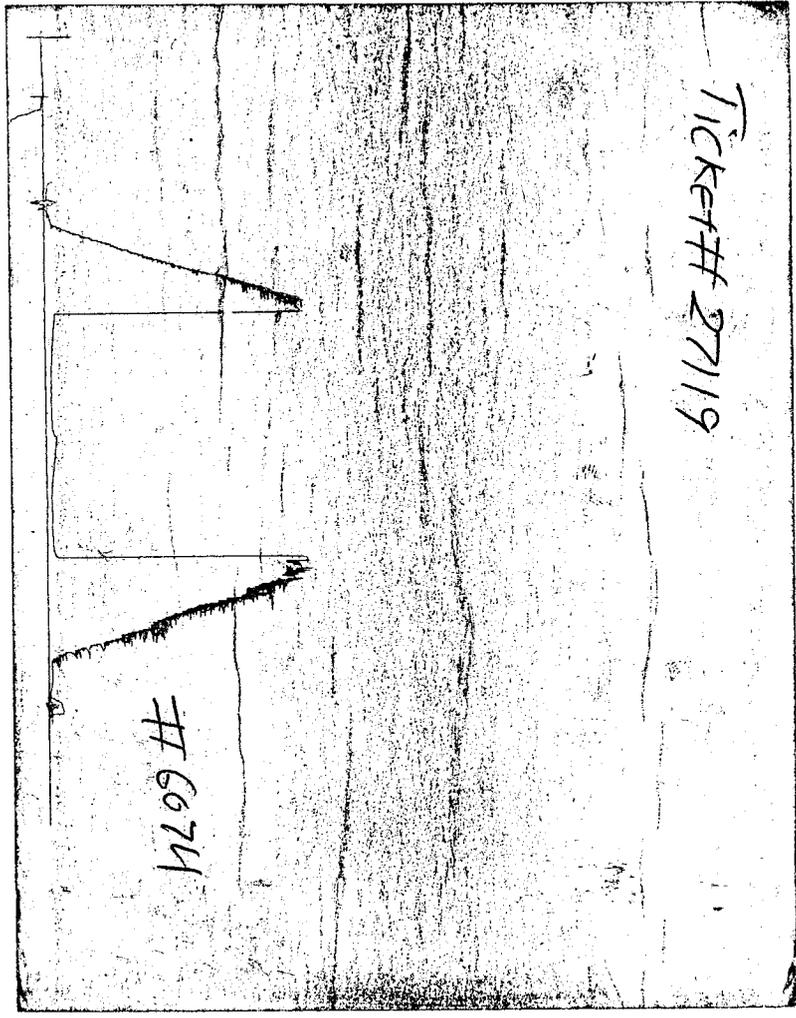
Approved By [Signature]
 Our Representative [Signature]

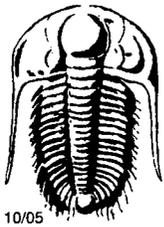
CHART PAGE

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

Ticket # 27119

6074





TRILOBITE TESTING INC.

27120

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Well Name & No. Hall Unit #1 Test No. 2 Date 1/11/07
 Company Russel oil co. Zone Tested Lansing/KC
 Address PO Box 1469 Plainfield, IL 60544 Elevation 1922 KB 1914 GL
 Co. Rep / Geo. Todd Morgenstern Rig Southwind Rig #3
 Location: Sec. 7 Twp. 21S Rge. 13W Co. Stafford State KS
 Comment: _____ Release date / time: _____

Interval Tested 3471 - 3496 Initial Str Wt./Lbs. 42000 Unseated Str Wt./Lbs. 44000
 Anchor Length 25 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 46000
 Top Packer Depth 3467 Tool Weight 2100
 Bottom Packer Depth 3471 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3496 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 9.1 LCM 68 Vis. 8.0 WL 8.0 Drill Pipe Size 4 1/2 Ft. Run 3476

Blow Description IF: Strong Blow, BOB in 20 minutes
ISI: Bled off, no blowback
EI: weak Blow, 3 1/2 inch
ESI: Bled off, no blowback

Recovery - Total Feet 65 GIP 240 Ft. in DC _____ Ft. in DP 65
 Rec. 65 Feet of OMCW %gas 10 %oil _____ %water 64 %mud 26
 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 104 °F Gravity N/C °API D @ N/C °F Corrected Gravity N/C °API
 RW N/C @ N/C °F Chlorides N/C ppm Recovery N/C Chlorides 7500 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1758</u> PSI	<u>6752</u>	<input checked="" type="checkbox"/> <u>1100</u>
(B) First Initial Flow Pressure		<u>17</u> PSI	(depth) <u>3472</u>	Jars _____
(C) First Final Flow Pressure		<u>30</u> PSI	Recorder No. <u>6704</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>268</u> PSI	(depth) <u>3493</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>31</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>42</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>249</u> PSI	Initial Opening <u>45</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1656</u> PSI	Initial Shut-In <u>45</u>	Shale Packer _____
			Final Flow <u>45</u>	Ruined Packer _____
			Final Shut-In <u>60</u>	Mileage <u>80</u> <u>100</u>
			T-On Location <u>0700</u>	Sub Total: _____
			T-Started <u>0718</u>	Std. By _____
			T-Open <u>0927</u>	Acc. Chg: <u>1200</u>
			T-Pulled <u>1243</u>	Other: _____
			T-Out <u>1431</u>	Total: _____

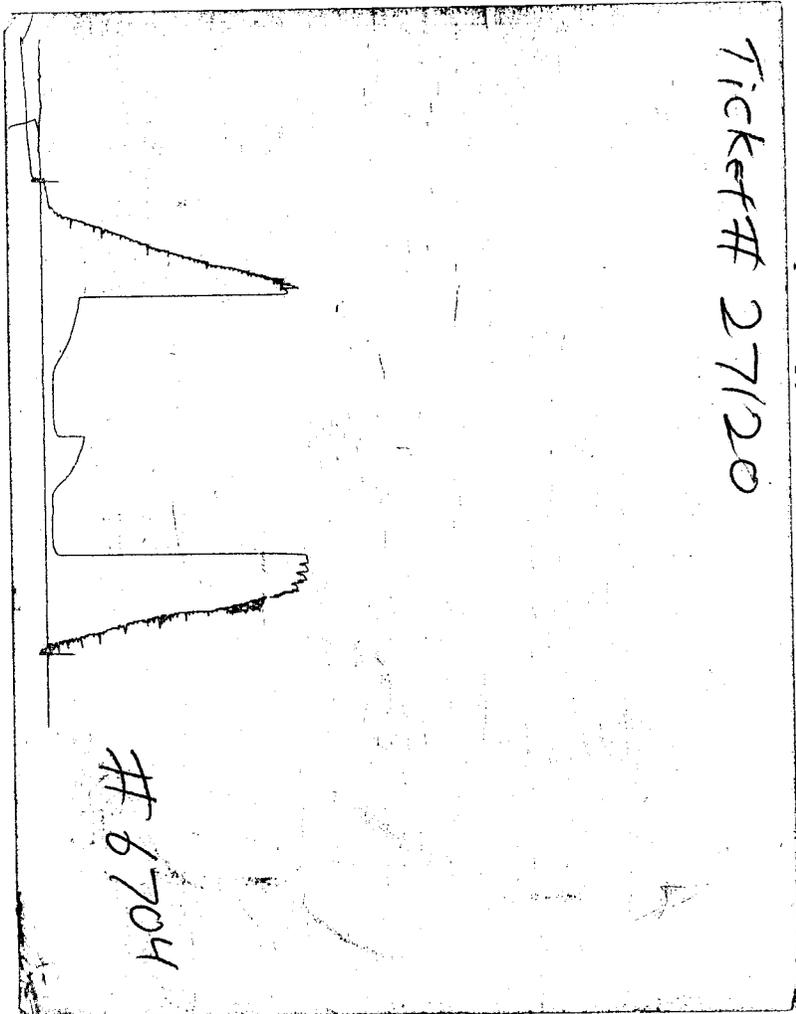
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By [Signature]
 Our Representative [Signature]

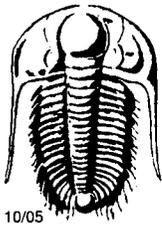
CHART PAGE

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

Ticket # 27120



6704



TRILOBITE TESTING INC.

27121

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Well Name & No. Hall Unit #1 Test No. 3 Date 1/12/07
 Company Russel Oil Co. Zone Tested Arbuckle
 Address PO Box 1469 Plainfield IL 60544 Elevation 1922 KB 1914 GL
 Co. Rep / Geo. Todd Morgenstern Rig Southwind Rig #3
 Location: Sec. 7 Twp. 21s Rge. 13w Co. Stafford State KS
 Comment: _____ Release date / time: _____

Interval Tested 3580 — 3644 Initial Str Wt./Lbs. 42000 Unseated Str Wt./Lbs. 52000
 Anchor Length _____ 64 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 52000
 Top Packer Depth _____ 3576 Tool Weight 2100
 Bottom Packer Depth _____ 3580 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth _____ 3644 Wt. Pipe Run _____ 0 Drill Collar Run 0
 Mud Wt. 9.2 LCM 0 Vis. 65 WL 8.0 Drill Pipe Size 4 1/2 Ft. Run 3569

Blow Description IF: Strong Blow, BOB in 3 minutes
ISI: Bled off, NO Blowback
EF: Strong Blow, BOB in 10 minutes
FST: Bled off, NO Blowback

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>1545</u>			<u>1545</u>
Rec. <u>120</u>	Feet of <u>water</u>	%gas _____ %oil <u>8</u> %water _____ %mud _____	
Rec. <u>360</u>	Feet of <u>OMCW</u>	%gas _____ %oil <u>5</u> %water <u>90</u> %mud <u>5</u>	
Rec. <u>120</u>	Feet of <u>GSY MOCW</u>	15%gas <u>30</u> %oil <u>50</u> %water <u>5</u> %mud	
Rec. <u>945</u>	Feet of <u>GSY MWCO</u>	8%gas <u>44</u> %oil <u>38</u> %water <u>10</u> %mud	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud _____	
BHT <u>108</u>	°F Gravity <u>NIC</u>	*API D @ <u>NIC</u>	*F Corrected Gravity <u>NIC</u> *API _____
RW <u>0.73 @ 23</u>	°F Chlorides <u>29000</u>	ppm Recovery _____	Chlorides <u>7500</u> ppm System _____

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1875</u> PSI	<u>6752</u>	<u>1100</u> ✓
(B) First Initial Flow Pressure	<u>58</u> PSI	(depth) <u>3581</u>	Jars _____
(C) First Final Flow Pressure	<u>452</u> PSI	Recorder No. <u>6704</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1148</u> PSI	(depth) <u>3641</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>452</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>728</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1154</u> PSI	Initial Opening <u>45</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1756</u> PSI	Initial Shut-In <u>45</u>	Shale Packer _____
		Final Flow <u>60</u>	Ruined Packer _____
		Final Shut-In <u>90</u>	Mileage <u>26</u> <u>100</u>
		T-On Location <u>0900</u>	Sub Total: _____
		T-Started <u>1152</u>	Std. By <u>4/14/07</u>
		T-Open <u>1438</u>	Acc. Chg: _____
		T-Pulled <u>1847</u>	Other: <u>\$1625</u>
		T-Out <u>2312</u>	Total: _____

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Approved By _____
 Our Representative _____

changing from Hico because
 test in case
 45
 45
 60
 90

rig was freezing up coming out

CHART PAGE

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

