

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Jason Oil Company**

3718 83rd St.
Russell,KS 67665

ATTN: Francis Whisler

32-14-14 Russell,KS

Schoenberger #3

Start Date: 2011.03.19 @ 13:12:53

End Date: 2011.03.19 @ 20:17:23

Job Ticket #: 42778 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

ORIGINAL

Jason Oil Company Schoenberger #3 32-14-14 Russell,KS DST # 1 LKC A-B-C 2011.03.19

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Jason Oil Company

3718 83rd St.
Russell,KS 67665

ATTN: Francis Whisler

Schoenberger #3

32-14-14 Russell,KS

Job Ticket: 42778 **DST#: 1**

Test Start: 2011.03.19 @ 13:12:53

GENERAL INFORMATION:

Formation: **LKC A-B-C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:07:23
Time Test Ended: 20:17:23

Test Type: Conventional Bottom Hole
Tester: Dustin Rash
Unit No: 47

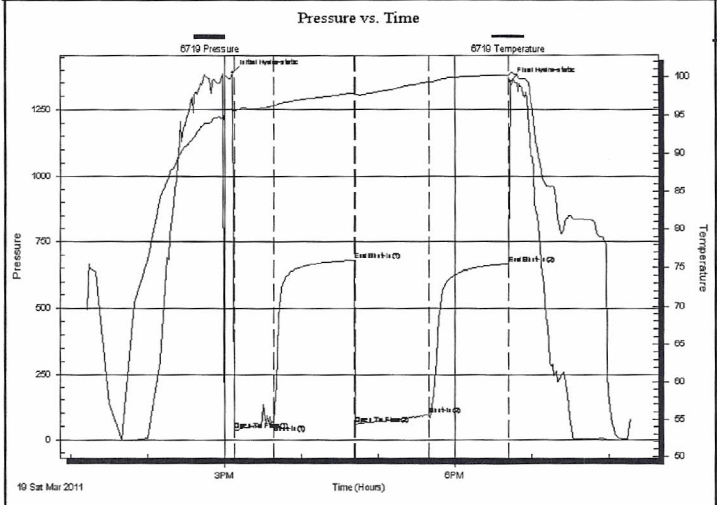
Interval: 2915.00 ft (KB) To 2960.00 ft (KB) (TVD)
Total Depth: 2960.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1736.00 ft (KB)
1731.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6719 **Inside**
Press@RunDepth: 95.77 psig @ 2919.00 ft (KB)
Start Date: 2011.03.19 End Date: 2011.03.19
Start Time: 13:12:58 End Time: 20:17:22

Capacity: 8000.00 psig
Last Calib.: 2011.03.19
Time On Btm: 2011.03.19 @ 15:06:23
Time Off Btm: 2011.03.19 @ 18:43:23

TEST COMMENT: IF-Weak building blow . Built to 5 inches.
ISI-Surface return @ 6 minutes. Died @ 15 minutes.
FF-Weak building blow . B.O.B. in 37 minutes.
FSI-Surface return @ 11 minutes. Died @ 22 minutes.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1388.54	95.87	Initial Hydro-static
1	37.04	95.55	Open To Flow (1)
32	57.30	96.33	Shut-In(1)
95	677.65	97.96	End Shut-In(1)
96	56.81	97.83	Open To Flow (2)
153	95.77	99.40	Shut-In(2)
216	664.09	100.23	End Shut-In(2)
217	1356.16	100.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	50%Water/40%Mud/10%Oil	0.84
60.00	75%Mud/15%Water/10%Oil	0.84
20.00	92%Mud/8%Oil	0.28

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Jason Oil Company

3718 83rd St.
Russell,KS 67665

ATTN: Francis Whisler

Schoenberger #3

32-14-14 Russell,KS

Job Ticket: 42778 **DST#: 1**

Test Start: 2011.03.19 @ 13:12:53

Tool Information

Drill Pipe:	Length:	2920.00 ft	Diameter:	3.80 inches	Volume:	40.96 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
					Total Volume:	40.96 bbl	

Drill Pipe Above KB:	25.00 ft
Depth to Top Packer:	2915.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	45.00 ft
Tool Length:	65.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		24000.00 lb
Weight to Pull Loose:		20000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	39000.00 lb
	Final	41000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			2896.00		
Shut In Tool	5.00			2901.00		
Hydraulic tool	5.00			2906.00		
Packer	5.00			2911.00	20.00	Bottom Of Top Packer
Packer	4.00			2915.00		
Stubb	1.00			2916.00		
Perforations	2.00			2918.00		
Change Over Sub	1.00			2919.00		
Recorder	0.00	8319	Inside	2919.00		
Recorder	0.00	6719	Inside	2919.00		
Blank Spacing	32.00			2951.00		
Change Over Sub	1.00			2952.00		
Perforations	5.00			2957.00		
Bullnose	3.00			2960.00	45.00	Bottom Packers & Anchor
Total Tool Length:	**65.00**					

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DRILL STEM TEST REPORT

FLUID SUMMARY

Jason Oil Company

3718 83rd St.
Russell,KS 67665

ATTN: Francis Whisler

Schoenberger #3

32-14-14 Russell,KS

Job Ticket: 42778 **DST#: 1**

Test Start: 2011.03.19 @ 13:12:53

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:	70000 ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 in³	Gas Cushion Type:			
Resistivity:	0.15 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1600.00 ppm				
Filter Cake:	inches				

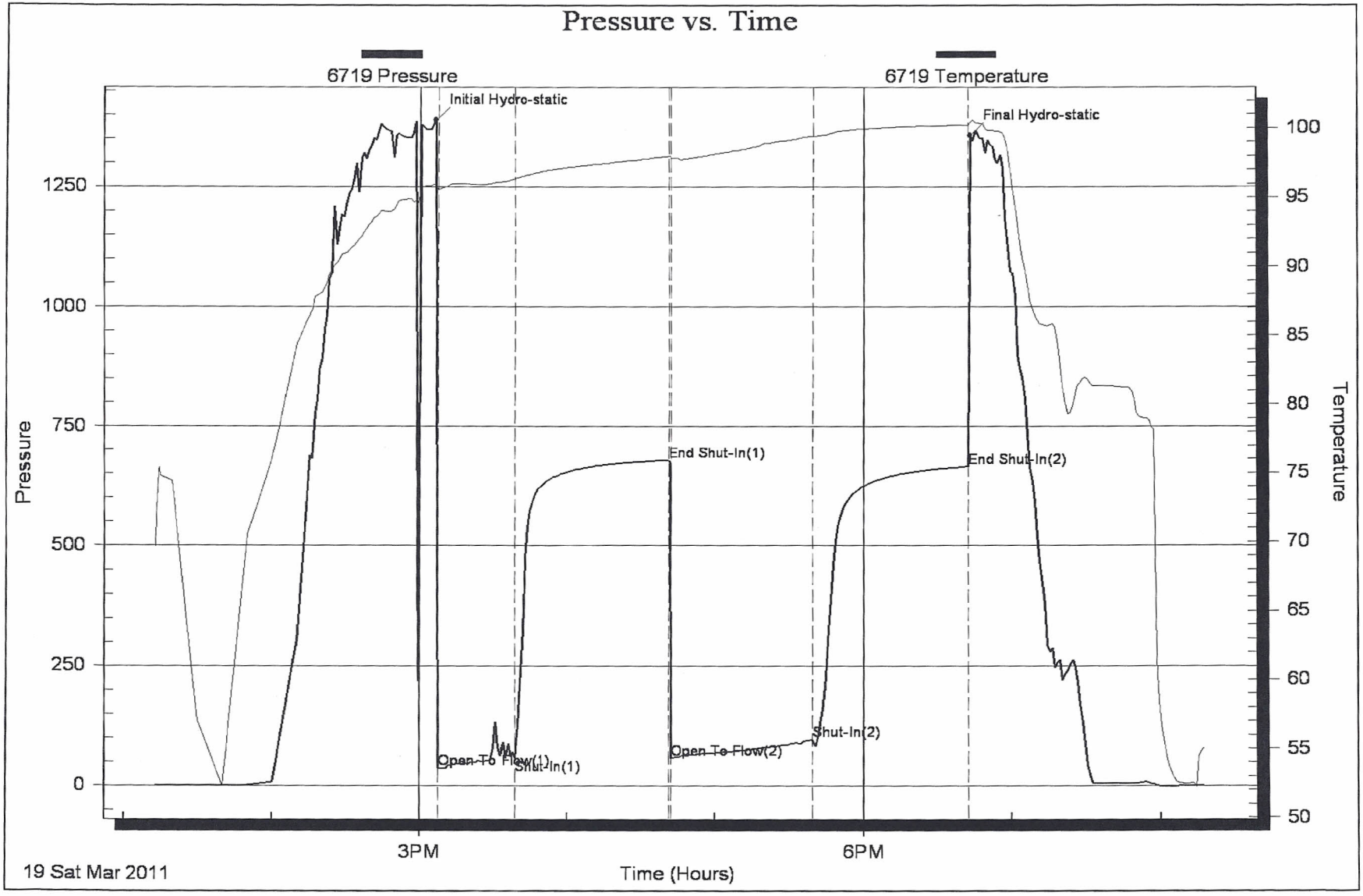
Recovery Information

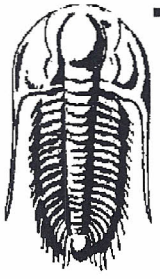
Recovery Table

Length ft	Description	Volume bbl
60.00	50%Water/40%Mud/10%Oil	0.842
60.00	75%Mud/15%Water/10%Oil	0.842
20.00	92%Mud/8%Oil	0.281

Total Length: 140.00 ft Total Volume: 1.965 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
6719 Pressure
6719 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
1250
1000
750
500
250
0
100
95
90
85
80
75
70
65
60
55
50
3PM
6PM
19 Sat Mar 2011
Time (Hours)



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DRILL STEM TEST REPORT

Prepared For: **Jason Oil Company**

3718 83rd St.
Russell,KS 67665

ATTN: Francis Whisler

32-14-14 Russell,KS

Schoenberger #3

Start Date: 2011.03.20 @ 15:30:28
End Date: 2011.03.20 @ 20:26:19
Job Ticket #: 42779 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

Jason Oil Company

3718 83rd St.
Russell,KS 67665

ATTN: Francis Whisler

Schoenberger #3

32-14-14 Russell,KS

Job Ticket: 42779 **DST#: 2**

Test Start: 2011.03.20 @ 15:30:28

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:34:19
Time Test Ended: 20:26:19

Test Type: Conventional Bottom Hole
Tester: Dustin Rash
Unit No: 47

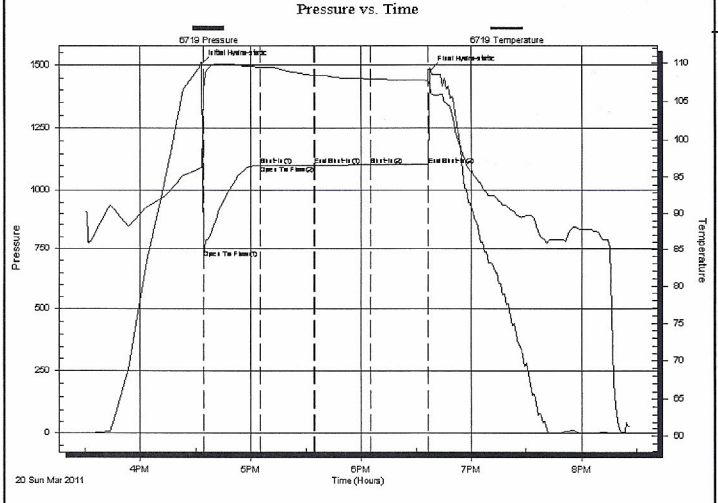
Interval: 3143.00 ft (KB) To 3167.00 ft (KB) (TVD)
Total Depth: 3167.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1736.00 ft (KB)
1731.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6719 **Outside**
Press@RunDepth: 1103.15 psig @ 3147.00 ft (KB)
Start Date: 2011.03.20 End Date: 2011.03.20
Start Time: 15:30:33 End Time: 20:26:19

Capacity: 8000.00 psig
Last Calib.: 2011.03.20
Time On Btm: 2011.03.20 @ 16:33:19
Time Off Btm: 2011.03.20 @ 18:37:49

TEST COMMENT: IF-Strong building blow . B.O.B. in 15 seconds.
ISI-No Return.
FF-No Blow .
FSI-No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1503.87	96.47	Initial Hydro-static
1	708.28	106.57	Open To Flow (1)
32	1102.81	109.54	Shut-In(1)
61	1102.93	108.48	End Shut-In(1)
62	1102.94	108.48	Open To Flow (2)
92	1103.15	108.01	Shut-In(2)
123	1103.28	107.78	End Shut-In(2)
125	1481.33	106.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2092.00	95%Water/5%Mud	29.35
496.00	70%Mud/30%Water	6.96

Gas Rates

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

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DRILL STEM TEST REPORT

TOOL DIAGRAM

Jason Oil Company

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Russell,KS 67665

ATTN: Francis Whisler

Schoenberger #3

32-14-14 Russell,KS

Job Ticket: 42779 **DST#: 2**

Test Start: 2011.03.20 @ 15:30:28

Tool Information

Drill Pipe:	Length:	3134.00 ft	Diameter:	3.80 inches	Volume:	43.96 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
					Total Volume:	43.96 bbl	

Drill Pipe Above KB:	11.00 ft
Depth to Top Packer:	3143.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	24.00 ft
Tool Length:	44.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2000.00 lb
Weight set on Packer:	24000.00 lb
Weight to Pull Loose:	5000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	39000.00 lb
Final	48000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3124.00		
Shut In Tool	5.00			3129.00		
Hydraulic tool	5.00			3134.00		
Packer	5.00			3139.00	20.00	Bottom Of Top Packer
Packer	4.00			3143.00		
Stubb	1.00			3144.00		
Perforations	3.00			3147.00		
Recorder	0.00	8319	Inside	3147.00		
Recorder	0.00	6719	Outside	3147.00		
Perforations	17.00			3164.00		
Bullnose	3.00			3167.00	24.00	Bottom Packers & Anchor
Total Tool Length:	**44.00**					

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FLUID SUMMARY

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ATTN: Francis Whisler

Schoenberger #3

32-14-14 Russell,KS

Job Ticket: 42779 **DST#: 2**

Test Start: 2011.03.20 @ 15:30:28

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:	58000 ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.78 in³	Gas Cushion Type:			
Resistivity:	0.15 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

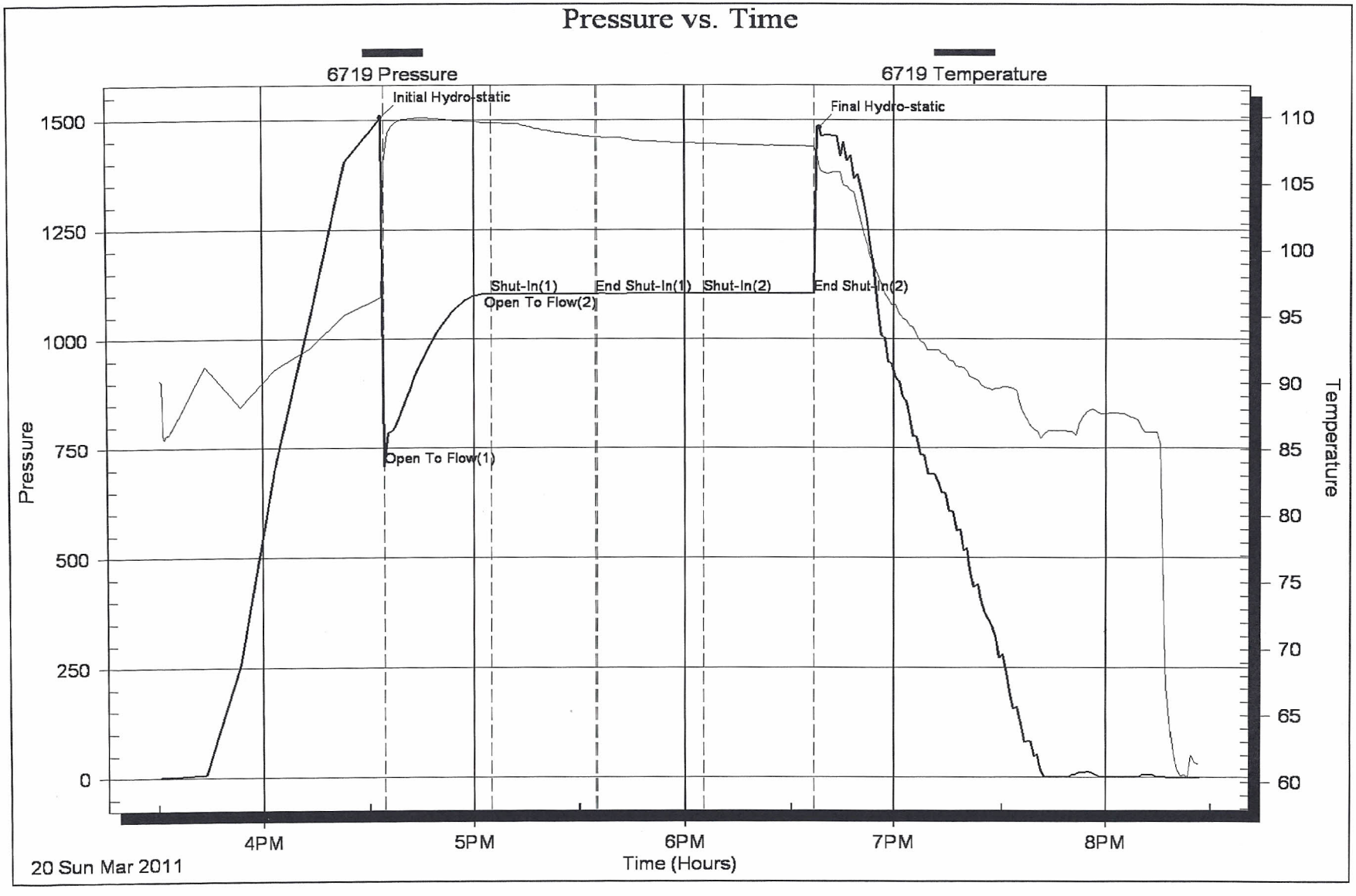
Length ft	Description	Volume bbl
2092.00	95%Water/5%Mud	29.345
496.00	70%Mud/30%Water	6.958

Total Length: 2588.00 ft Total Volume: 36.303 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6719 Pressure
6719 Temperature
Initial Hydro-static
Final Hydro-static
Shut-In(1)
End Shut-In(1)
Shut-In(2)
End Shut-In(2)
Open To Flow(2)
Open To Flow(1)
Pressure
Temperature
1500
1250
1000
750
500
250
0
110
105
100
95
90
85
80
75
70
65
60
4PM
5PM
6PM
7PM
8PM
Time (Hours)
20 Sun Mar 2011

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

4/10

RECEIVED
MAR 22 2011
BY:

Test Ticket

NO. 042778

Well Name & No. Schoenberger #3 Test No. 1 Date 3-19-11

Company Jason Oil Company Elevation 1736 KB 1731 GL

Address 3718 83rd St. Russell, KS 67665

Co. Rep / Geo. Francis Wheeler Rig Royal 1

Location: Sec. 32 Twp. 14S Rge. 14W Co. Russell State KS

Interval Tested 2915-2960 Zone Tested LKC A-B-C

Anchor Length 45' Drill Pipe Run [redacted] Mud Wt. 9.0

Top Packer Depth 2910 Drill Collars Run [redacted] Vis 50

Bottom Packer Depth 2915 Wt. Pipe Run [redacted] WL 8.0

Total Depth 2960 Chlorides 1600 ppm System LCM 2#

Blow Description IF- Weak building blow. Built to 5 inches.
ISI- Surface return @ 6 minutes. Died @ 15 minutes.
FF- Weak building blow. B.O.B. in 37 minutes.
FSI- Surface return @ 11 minutes. Died @ 22 minutes.

Rec 20	Feet of SOCM	%gas 8	%oil	%water	92	%mud
Rec 60	Feet of M/W10	%gas 10	%oil 15	%water 75		%mud
Rec 60	Feet of W/M10	%gas 10	%oil 50	%water 40		%mud
Rec	Feet of	%gas	%oil	%water		%mud
Rec	Feet of	%gas	%oil	%water		%mud

Rec Total 140 BHT 100 Gravity ____ API RW .150 @ 52 °F Chlorides 70,000 ppm

(A) Initial Hydrostatic 1389	☑ Test 1125-	T-On Location 1145	
(B) First Initial Flow 37	☐ Jars	T-Started 1330	
(C) First Final Flow 57	☐ Safety Joint	T-Open 1508	
(D) Initial Shut-In 678	☐ Circ Sub	T-Pulled 1840	
(E) Second Initial Flow 57	☐ Hourly Standby	T-Out 2015	
(F) Second Final Flow 96	☑ Mileage 36X2 72RT 90-	Comments Bott-1313	
(G) Final Shut-In 664	☐ Sampler	Slid 12 to 14 feet.	
(H) Final Hydrostatic 1356	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 30	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 60	☐ Extra Recorder	Sub Total 0	
Final Flow 60	☐ Day Standby	Total 1215-	
Final Shut-In 60	☐ Accessibility	MP/DST Disc't	
	Sub Total 1215-		

Approved By ____ Our Representative D. Rash

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.

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

4/10

RECEIVED MAR 22 2011

BY:

Test Ticket

NO. 042779

Well Name & No. Schoenberger Test No. 2 Date 3-20-11

Company Jason Oil Company Elevation 1736 KB 1731 GL

Address 3718 83rd St. Russell, KS 67665

Co. Rep / Geo. Francis Whisler Rig Royal 1

Location: Sec. 32 Twp. 14S Rge. 14W Co. Russell State KS

Interval Tested 3143-3167 Zone Tested Arbuckle

Anchor Length 24' Drill Pipe Run 3134 Mud Wt. 9.1

Top Packer Depth 3138 Drill Collars Run 0 Vis 50

Bottom Packer Depth 3143 Wt. Pipe Run 0 WL 8.8

Total Depth 3167 Chlorides 4000 ppm System LCM 1.5#

Blow Description IF- Strong building blow. B.O.B. in 15 seconds.
ISI- No Return.
FF- No Blow.
FSI- No Return.

Rec 496	Feet of ~~Muddy~~ Watery Mud	%gas	%oil 30	%water 70	%mud
Rec 2092	Feet of Muddy Water	%gas	%oil 95	%water 5	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2588 BHT 108 Gravity ✓ API RW .145 @ 65 °F Chlorides 58,000 ppm

(A) Initial Hydrostatic 1504	☑ Test 1125	T-On Location 1500
(B) First Initial Flow 708	☐ Jars	T-Started 1530
(C) First Final Flow 1103	☐ Safety Joint	T-Open 1634
(D) Initial Shut-In 1103	☐ Circ Sub	T-Pulled 1835
(E) Second Initial Flow 1103	☐ Hourly Standby	T-Out 2030
(F) Second Final Flow 1103	☐ Mileage 36X2 72RT 90-	Comments Bott-1530
(G) Final Shut-In 1103	☐ Sampler	
(H) Final Hydrostatic 1481	☐ Straddle	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
Initial Open 30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 30	☐ Extra Recorder	Sub Total 0
Final Flow 30	☐ Day Standby	Total 1215-
Final Shut-In 30	☐ Accessibility	MP/DST Disc't
	Sub Total 1215-	

Approved By _____ Our Representative D. Rasl

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