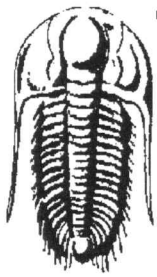


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Russell Oil Co**

PO Box 1459
Plainfield IL 60544

ATTN: Steve Angle

11 10 12 Osborne KS

Pahls #1-11

Start Date: 2007.07.17 @ 07:59:46
End Date: 2007.07.17 @ 13:20:46
Job Ticket #: 28554 DST #: 1

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

DRILL STEM TEST REPORT

Russell Oil Co

PO Box 1459
Plainfield IL 60544

ATTN: Steve Angle

Pahls #1-11

11 10 12 Osborne KS

Job Ticket: 28554 **DST#: 1**

Test Start: 2007.07.17 @ 07:59:46

GENERAL INFORMATION:

Formation: **Toronto-LKC "B"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:54:46
Time Test Ended: 13:20:46

Test Type: Conventional Bottom Hole
Tester: Tyson Flax
Unit No: 21

Interval: 2924.00 ft (KB) To 2994.00 ft (KB) (TVD)
Total Depth: 2994.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

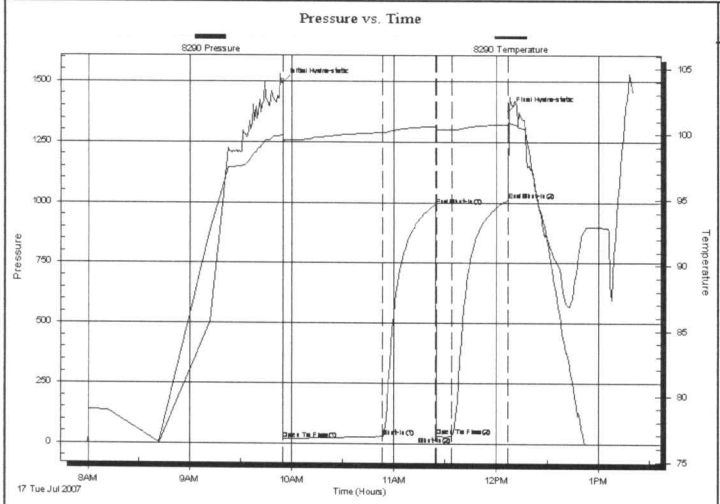
Reference Elevations: 1757.00 ft (KB)
1749.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8290 **Inside**

Press@RunDepth: 29.95 psig @ 2928.00 ft (KB)
Start Date: 2007.07.17 End Date: 2007.07.17
Start Time: 07:59:48 End Time: 13:20:46

Capacity: 7000.00 psig
Last Calib.: 2007.07.17
Time On Btm: 2007.07.17 @ 09:54:31
Time Off Btm: 2007.07.17 @ 12:07:16

TEST COMMENT: IFP Weak surface blow throughout
ISI No blow back
FFP No blow
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1494.03	99.98	Initial Hydro-static
1	17.17	99.27	Open To Flow (1)
59	28.52	100.18	Shut-In(1)
90	986.26	100.62	End Shut-In(1)
91	31.02	100.35	Open To Flow (2)
100	29.95	100.37	Shut-In(2)
133	1011.25	100.78	End Shut-In(2)
133	1379.56	101.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud w / scum of Oil	0.43

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Co

PO Box 1459
Plainfield IL 60544

ATTN: Steve Angle

Pahls #1-11

11 10 12 Osborne KS

Job Ticket: 28554 **DST#: 1**

Test Start: 2007.07.17 @ 07:59:46

Tool Information

Drill Pipe:	Length:	2916.00 ft	Diameter:	3.82 inches	Volume:	41.34 bbl	Tool Weight:		2200.00 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:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:		45000.00 lb
					Total Volume:	41.34 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		20.00 ft					String Weight:	Initial	34000.00 lb
Depth to Top Packer:		2924.00 ft						Final	36000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		70.00 ft							
Tool Length:		98.00 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			2897.00		
Shut In Tool	5.00			2902.00		
Hydraulic tool	5.00			2907.00		
Jars	5.00			2912.00		
Safety Joint	2.00			2914.00		
Packer	5.00			2919.00	28.00	Bottom Of Top Packer
Packer	5.00			2924.00		
Stubb	1.00			2925.00		
Perforations	2.00			2927.00		
Change Over Sub	1.00			2928.00		
Recorder	0.00	8290	Inside	2928.00		
Blank Spacing	62.00			2990.00		
Change Over Sub	1.00			2991.00		
Recorder	0.00	13401	Inside	2991.00		
Bullnose	3.00			2994.00	70.00	Bottom Packers & Anchor
Total Tool Length:	**98.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Co

PO Box 1459
Plainfield IL 60544

ATTN: Steve Angle

Pahls #1-11

11 10 12 Osborne KS

Job Ticket: 28554 **DST#: 1**

Test Start: 2007.07.17 @ 07:59:46

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:	49.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2400.00 ppm				
Filter Cake:	inches				

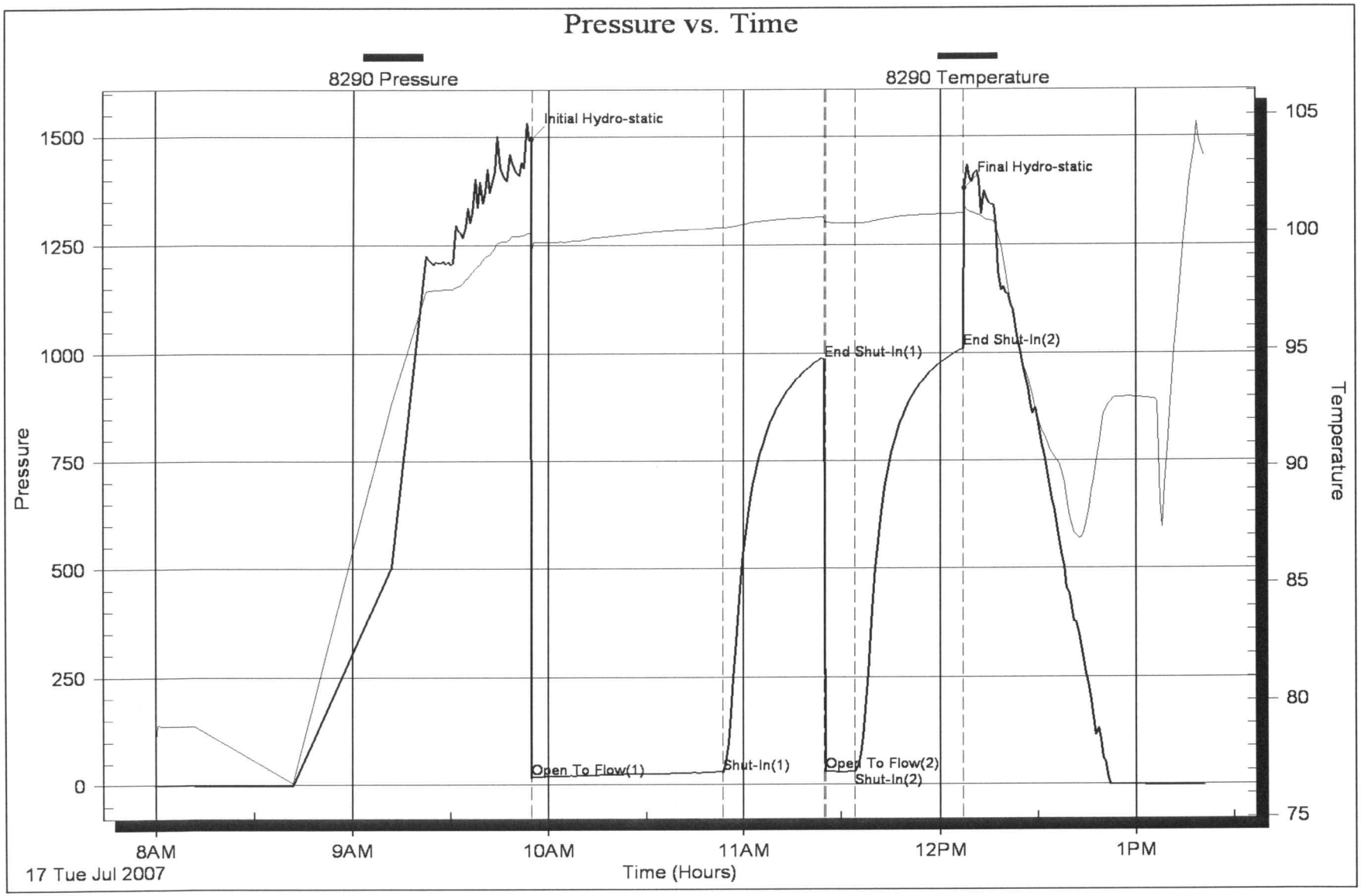
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud w / scum of Oil	0.425

Total Length: 30.00 ft Total Volume: 0.425 bbl

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


Pressure vs. Time
8290 Pressure
8290 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
1500
1250
1000
750
500
250
0
105
100
95
90
85
80
75
8AM
9AM
10AM
11AM
12PM
1PM
17 Tue Jul 2007
Time (Hours)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Russell Oil Co**

PO Box 1459
Plainfield IL 60544

ATTN: Steve Angle

11 10 12 Osborne KS

Pahls #1-11

Start Date: 2007.07.17 @ 22:45:36
End Date: 2007.07.18 @ 04:30:21
Job Ticket #: 28555 DST #: 2

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

DRILL STEM TEST REPORT

Russell Oil Co

PO Box 1459
Plainfield IL 60544

ATTN: Steve Angle

Pahls #1-11

11 10 12 Osborne KS

Job Ticket: 28555 **DST#: 2**

Test Start: 2007.07.17 @ 22:45:36

GENERAL INFORMATION:

Formation: **LKC "B-C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:07:51
Time Test Ended: 04:30:21

Test Type: Conventional Bottom Hole
Tester: Tyson Flax
Unit No: 21

Interval: 2991.00 ft (KB) To 3044.00 ft (KB) (TVD)
Total Depth: 3044.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

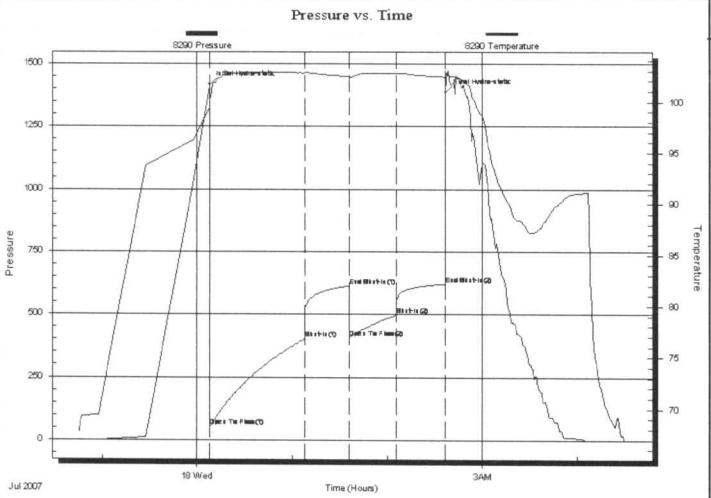
Reference Elevations: 1757.00 ft (KB)
1749.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8290 **Inside**

Press@RunDepth: 495.87 psig @ 2995.00 ft (KB)
Start Date: 2007.07.17 End Date: 2007.07.18
Start Time: 22:45:38 End Time: 04:30:21

Capacity: 7000.00 psig
Last Calib.: 2007.07.18
Time On Btm: 2007.07.18 @ 00:07:36
Time Off Btm: 2007.07.18 @ 02:36:51

TEST COMMENT: IFP BOB in 2 min
ISI No blow back
FFP BOB in 5 min
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1417.15	99.54	Initial Hydro-static
1	52.46	100.34	Open To Flow (1)
60	401.05	102.83	Shut-In(1)
88	612.56	102.48	End Shut-In(1)
89	404.58	102.39	Open To Flow (2)
118	495.87	102.79	Shut-In(2)
149	621.42	102.45	End Shut-In(2)
150	1386.26	103.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	MW 50%W 50%M	2.55
780.00	MW 90%W 10%M	11.06

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Co

PO Box 1459
Plainfield IL 60544

ATTN: Steve Angle

Pahls #1-11

11 10 12 Osborne KS

Job Ticket: 28555 **DST#: 2**

Test Start: 2007.07.17 @ 22:45:36

Tool Information

Drill Pipe:	Length:	2981.00 ft	Diameter:	3.82 inches	Volume:	42.26 bbl	Tool Weight:		2200.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 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:		50000.00 lb
					Total Volume:	42.26 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		18.00 ft					String Weight:	Initial	35000.00 lb
Depth to Top Packer:		2991.00 ft						Final	42000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		53.00 ft							
Tool Length:		81.00 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			2964.00		
Shut In Tool	5.00			2969.00		
Hydraulic tool	5.00			2974.00		
Jars	5.00			2979.00		
Safety Joint	2.00			2981.00		
Packer	5.00			2986.00	28.00	Bottom Of Top Packer
Packer	5.00			2991.00		
Stubb	1.00			2992.00		
Perforations	2.00			2994.00		
Change Over Sub	1.00			2995.00		
Recorder	0.00	8290	Inside	2995.00		
Blank Spacing	31.00			3026.00		
Change Over Sub	1.00			3027.00		
Perforations	14.00			3041.00		
Recorder	0.00	13401	Inside	3041.00		
Bullnose	3.00			3044.00	53.00	Bottom Packers & Anchor
Total Tool Length:	**81.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Co

PO Box 1459
Plainfield IL 60544

ATTN: Steve Angle

Pahls #1-11

11 10 12 Osborne KS

Job Ticket: 28555 **DST#: 2**

Test Start: 2007.07.17 @ 22:45:36

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:	33000 ppm
Viscosity:	49.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.38 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2400.00 ppm				
Filter Cake:	inches				

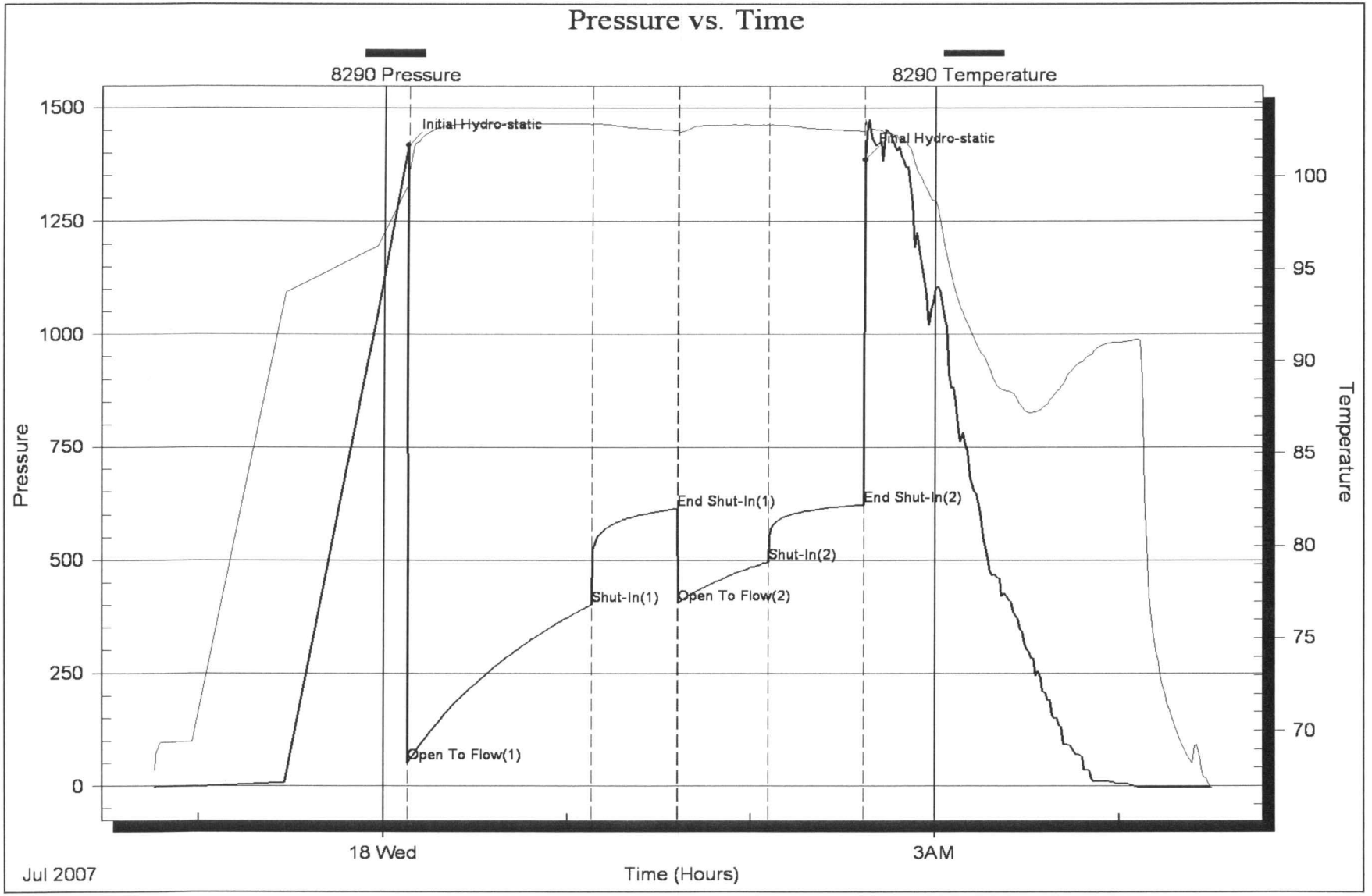
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	MW 50%W 50%M	2.552
780.00	MW 90%W 10%M	11.057

Total Length: 960.00 ft Total Volume: 13.609 bbl

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


Pressure vs. Time
8290 Pressure
8290 Temperature
1500
1250
1000
750
500
250
0
Pressure
100
95
90
85
80
75
70
Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Shut-In(1)
Open To Flow(2)
Open To Flow(1)
18 Wed
3AM
Jul 2007
Time (Hours)

28554

10/05

TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10408

Test Ticket

Well Name & No. Pahls #1-11 Test No. 1 Date 7-17-07

Company Russell Oil Zone Tested Toronto - LKC

Address PO Box 1459 Plainfield, Il 60544 Elevation 1757 KB 1749 GL

Co. Rep / Geo. Steven Angle Rig Southwind #3

Location: Sec. 11 Twp. 10s Rge. 12w Co. Osborne State KS

Comment: Release date / time:

Interval Tested 2924 - 2994 Initial Str Wt./Lbs. 34000 Unseated Str Wt/Lbs. 36000

Anchor Length 70 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 45000

Top Packer Depth 2919 Tool Weight 2500

Bottom Packer Depth 2924 Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 2994 Wt. Pipe Run — Drill Collar Run —

Mud Wt. 9.2 LCM — Vis. 49 WL 8.4 Drill Pipe Size 4½ XH Ft. Run 2916

Blow Description IFP- Weak surface blow throughout
ISI - no blow back
FFP- no blow
FSI- no blow back

Recovery - Total Feet 30 GIP Ft. in DC Ft. in DP 30

Rec. 30	Feet of Mud / w/ scum of oil	%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
Rec.	Feet of	%gas	%oil	%water	%mud

BHT 101 °F Gravity °API D @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 2400 ppm System

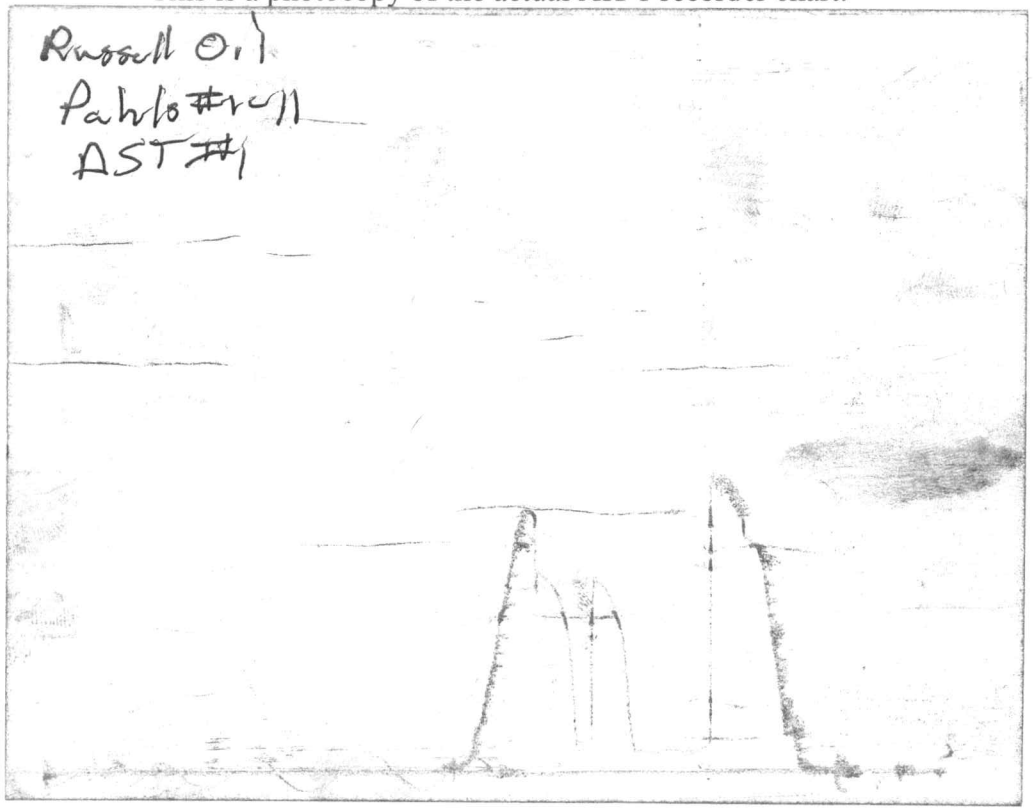
	AK-1	Alpine					
(A) Initital Hydrostatic Mud		1496	PSI	Recorder No.	8290	Test X	1100
(B) First Initial Flow Pressure		17	PSI	(depth)	2929	Jars X	250
(C) First Final Flow Pressure		29	PSI	Recorder No.	13401	Safety Jt. X	75
(D) Initial Shut-In Pressure		986	PSI	(depth)	2991	Circ Sub	
(E) Second Initial Flow Pressure		31	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		30	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		1011	PSI	**Initial Opening**	60	Ext. Packer	
(Q) Final Hydrostatic Mud		1401	PSI	Initial Shut-In	30	Shale Packer	
				Final Flow	10	Ruined Packer	187.50
				Final Shut-In	30	Mileage X 150	~~150~~
				T-On Location	7:15	Sub Total:	
				T-Started	7:59	Std. By	
				T-Open	9:54	Acc. Chg:	$1612.50
				T-Pulled	12:04	Other:	
				T-Out	13:21	Total:	

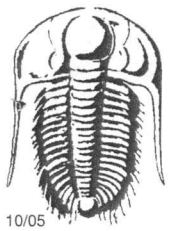
Approved By

Our Representative

CHART PAGE

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





10/05

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28555

Test Ticket

Well Name & No. Pahls #1-11 Test No. 2 Date 7-17-07

Company Russell Oil Zone Tested LKC

Address ~~Steven Angle~~ P.O. Box 1459 Plainfield, IL Elevation 1757 KB 1749 GL

Co. Rep / Geo. Steven Angle Rig Southwind #3

Location: Sec. 11 Twp. 10S Rge. 12W Co. Osborne State KS

Comment: Release date / time:

Interval Tested 2991 - 3044 Initial Str Wt./Lbs. 35000 Unseated Str Wt/Lbs. 42000

Anchor Length 53' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 50000

Top Packer Depth 2986 Tool Weight 2300

Bottom Packer Depth 2991 Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 3044 Wt. Pipe Run — Drill Collar Run —

Mud Wt. 9.2 LCM — Vis. 49 WL 8.4 Drill Pipe Size 4½ XH Ft. Run 2981

Blow Description IFP- BOB in 2 min
ISI - no blow back
FFP- BOB in 5 min
FSI - no blow back

Recovery - Total Feet 960 GIP Ft. in DC Ft. in DP 960

Rec. 180	Feet of MW	%gas	%oil	50 %water	50 %mud
Rec. 780	Feet of MW	%gas	%oil	90 %water	10 %mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud

BHT 102 °F Gravity °API D @ °F Corrected Gravity °API

RW .22 @ 72 °F Chlorides 33000 ppm Recovery Chlorides 2400 ppm System

	AK-1	Alpine					
(A) Initital Hydrostatic Mud		1417	PSI	Recorder No.	8290	Test X	1100
(B) First Initial Flow Pressure		52	PSI	(depth)	2995	Jars X	250
(C) First Final Flow Pressure		401	PSI	Recorder No.	13401	Safety Jt. X	75
(D) Initial Shut-In Pressure		613	PSI	(depth)	3041	Circ Sub	
(E) Second Initial Flow Pressure		405	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		496	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		621	PSI	**Initial Opening**	60	Ext. Packer	
(Q) Final Hydrostatic Mud		1383	PSI	Initial Shut-In	30	Shale Packer	
				Final Flow	30	Ruined Packer	
				Final Shut-In	30	Mileage X	187.50
				T-On Location	22:45	Sub Total:	
				T-Started	22:45	Std. By	
				T-Open	00:07	Acc. Chg:	
				T-Pulled	2:37	Other:	
				T-Out	4:30	Total:	$1612.50

Approved By

Our Representative

CHART PAGE

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