15-137-20456

8-5s-24w

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **R L Investments**

217 St Peter St
Morland KS 67650

ATTN: Pat Deenihan

8 5S 24W Norton KS

Wyrill #2

Start Date: 2006.08.08 @ 17:41:10

End Date: 2006.08.08 @ 22:54:08

Job Ticket #: 25304 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

R L Investments

217 St Peter St
Morland KS 67650

ATTN: Pat Deenihan

Wyrill #2

8 5S 24W Norton KS

Job Ticket: 25304 **DST#: 1**

Test Start: 2006.08.08 @ 17:41:10

GENERAL INFORMATION:

Formation: **Toronto, LKC "A-B"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:25:08
Time Test Ended: 22:54:08

Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 24

Interval: 3505.00 ft (KB) To 3586.00 ft (KB) (TVD)
Total Depth: 3586.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

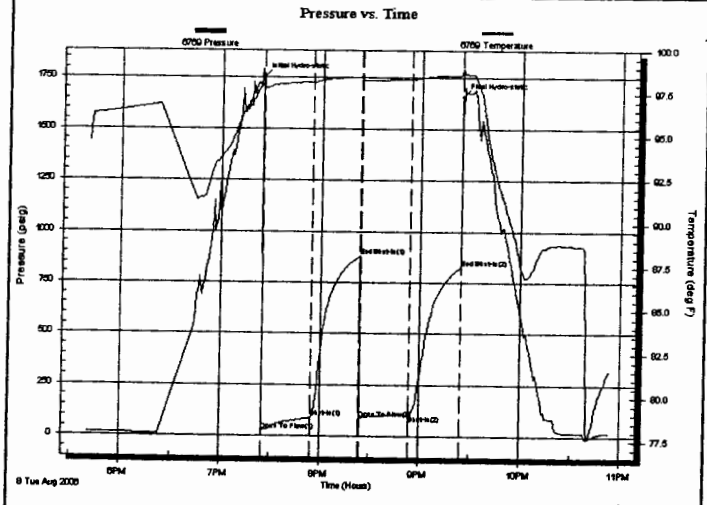
Reference Elevations: 2440.00 ft (KB)
2435.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6769 **Inside**

Press@RunDepth: 105.42 psig @ 3510.01 ft (KB)
Start Date: 2006.08.08 End Date: 2006.08.08
Start Time: 17:41:10 End Time: 22:54:08

Capacity: 7000.00 psig
Last Calib.: 2006.08.08
Time On Btm: 2006.08.08 @ 19:24:53
Time Off Btm: 2006.08.08 @ 21:24:23

TEST COMMENT: IFP Weak blow throughout - sur - 3 "
ISI No blow back
FFP Weak blow throughout - no blow 3 min - 2 "
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1753.11	98.21	Initial Hydro-static
1	23.87	97.79	Open To Flow (1)
30	88.35	98.15	Shut-In(1)
59	881.70	98.46	End Shut-In(1)
60	86.22	98.29	Open To Flow (2)
89	105.42	98.33	Shut-In(2)
120	825.18	98.57	End Shut-In(2)
120	1657.87	98.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
144.00	VSOCM 3%O 97%M	0.94
1.00	FREE OIL TSTM	0.01

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

R L Investments

217 St Peter St
Morland KS 67650

ATTN: Pat Deenihan

Wyrill #2

8 5S 24W Norton KS

Job Ticket: 25304 **DST#: 1**

Test Start: 2006.08.08 @ 17:41:10

Tool Information

Drill Pipe:	Length:	3370.00 ft	Diameter:	3.88 inches	Volume:	49.28 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:		55000.00 lb
					Total Volume:	49.87 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		5.00 ft					String Weight:	Initial	38000.00 lb
Depth to Top Packer:		3505.00 ft						Final	38000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		81.02 ft							
Tool Length:		101.02 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3490.00		
Hydraulic tool	5.00			3495.00		
Packer	5.00			3500.00	20.00	Bottom Of Top Packer
Packer	5.00			3505.00		
Stubb	1.00			3506.00		
Perforations	3.00			3509.00		
Change Over Sub	1.00			3510.00		
Recorder	0.01	6769	Inside	3510.01		
Blank Spacing	62.00			3572.01		
Change Over Sub	1.00			3573.01		
Perforations	10.00			3583.01		
Recorder	0.01	13548	Outside	3583.02		
Bullnose	3.00			3586.02	81.02	Bottom Packers & Anchor
Total Tool Length:	**101.02**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

R L Investments

217 St Peter St
Morland KS 67650

ATTN: Pat Deenihan

Wyrill #2

8 5S 24W Norton KS

Job Ticket: 25304 **DST#: 1**

Test Start: 2006.08.08 @ 17:41:10

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:	ppm
Viscosity:	68.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.15 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1500.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

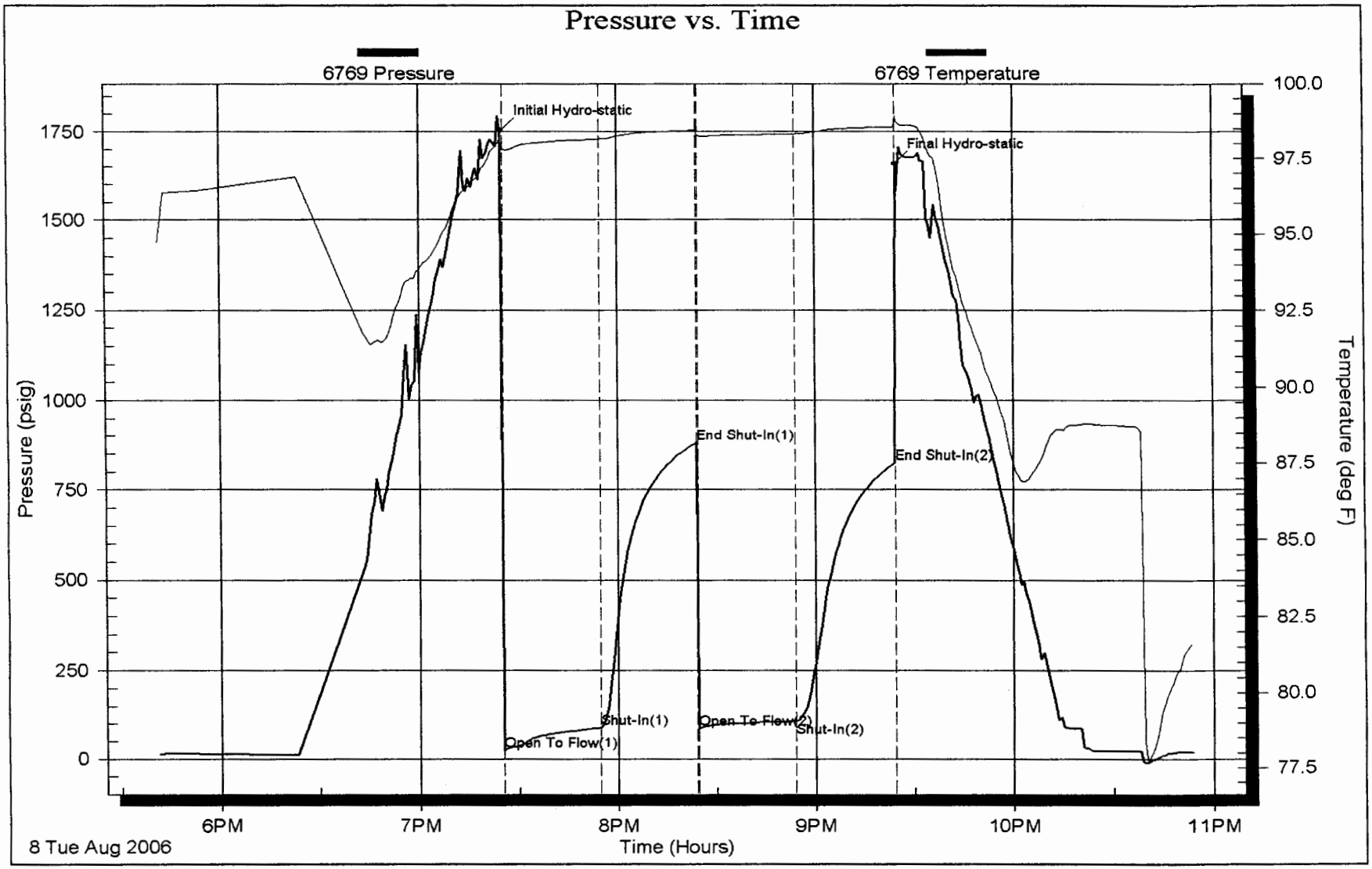
Length ft	Description	Volume bbl
144.00	VSOCM 3%O 97%M	0.941
1.00	FREE OIL TSTM	0.015

Total Length: 145.00 ft Total Volume: 0.956 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6769 Pressure
6769 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Open To Flow(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
1750
1500
1250
1000
750
500
250
0
100.0
97.5
95.0
92.5
90.0
87.5
85.0
82.5
80.0
77.5
6PM
7PM
8PM
9PM
10PM
11PM
8 Tue Aug 2006
Time (Hours)

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9103

25304

10/05

Test Ticket

Well Name & No. Wyrill #2 Test No. 1 Date 8-8-06

Company R L Investments Zone Tested Toronto LKC "A-B"

Address 217 St. Peter St. Moreland, Ks 67650 Elevation 2440 KB 2435 GL

Co. Rep / Geo. Pat Deenihan Rig ww 4

Location: Sec. 8 Twp. 5S Rge. 24W Co. Norton State Ks

Comment: on bank at 1813 not 1530 as told Release date / time: 8-9 1745

Interval Tested 3505 - 3586 Initial Str Wt./Lbs. 38,000 Unseated Str Wt/Lbs. 38,000

Anchor Length 81 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 55,000

Top Packer Depth 3500 Tool Weight 2500

Bottom Packer Depth 3505 Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 3586 Wt. Pipe Run — Drill Collar Run 120

Mud Wt. 9.3 LCM — Vis. 68 WL 9.2 Drill Pipe Size 4½ XH Ft. Run 3370

Blow Description IFP- Weak blow throughout surf - 3"
ISI- no blow back
FFP- weak blow throughout - no blow 3 min - 2"
FSI- no blow back

Recovery - Total Feet 145 GIP — Ft. in DC 120 Ft. in DP 25

Rec. 1	Feet of Free oil	%gas TSTM	%oil	%water	%mud
Rec. 144	Feet of VSOCM	%gas 3	%oil	%water 97	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud

BHT 99 °F Gravity ____ °API D @ ____ °F Corrected Gravity TSTM °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery ____ Chlorides 1500 ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud		1752 PSI	Recorder No.	6769	Test ✓	1000
(B) First Initial Flow Pressure		24 PSI	(depth)	3510	Jars	
(C) First Final Flow Pressure		88 PSI	Recorder No.	13548	Safety Jt.	
(D) Initial Shut-In Pressure		882 PSI	(depth)	3583	Circ Sub	
(E) Second Initial Flow Pressure		86 PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		105 PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		825 PSI	**Initial Opening**	30	Ext. Packer	
(Q) Final Hydrostatic Mud		1676 PSI	Initial Shut-In	30	Shale Packer	
			Final Flow	30	Ruined Packer	238.75 ~~191 RT~~
			Final Shut-In	30	Mileage ✓191	
			T-On Location	1358	Sub Total:	1238.75
			T-Started	1741	Std. By 1hr	50
			T-Open	1924	Acc. Chg:	—
			T-Pulled	2124	Other:	
			T-Out	2254	Total:	$1288.75

Approved By Patrick Deenihan

Our Representative Brian Fairbank (Thanks)

CHART PAGE

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