15-195-22399

13-11s-24w

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Ohio Kentucky**

110 E Lowry Lane
Lexington KY 40503

ATTN: Jim Hall

13 11S 24W Trego KS

Galen Geyer #4

Start Date: 2007.04.06 @ 20:53:45

End Date: 2007.04.07 @ 06:43:43

Job Ticket #: 27851 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Ohio Kentucky

Galen Geyer #4

13 11S 24W Trego KS

DST # 1

LKC " C"

2007.04.06

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Ohio Kentucky

110 E Lowry Lane
Lexington KY 40503

ATTN: Jim Hall

Galen Geyer #4

13 11S 24W Trego KS

Job Ticket: 27851 **DST#:** 1

Test Start: 2007.04.06 @ 20:53:45

GENERAL INFORMATION:

Formation: **LKC " C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:40:28
Time Test Ended: 06:43:43

Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 19

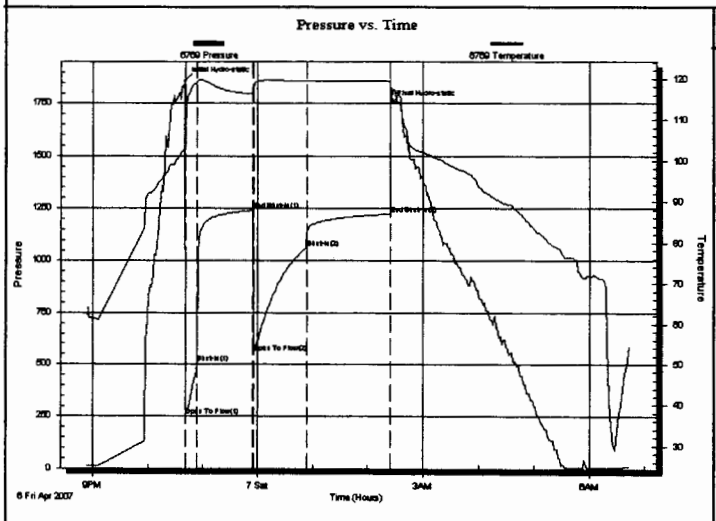
Interval: 3758.00 ft (KB) To 3770.00 ft (KB) (TVD)
Total Depth: 3770.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2360.00 ft (KB)
2355.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6769 **Inside**
Press@RunDepth: 1062.03 psig @ 3759.01 ft (KB)
Start Date: 2007.04.06 End Date: 2007.04.07
Start Time: 20:53:45 End Time: 06:43:43

Capacity: 7000.00 psig
Last Calib.: 2007.04.07
Time On Btm: 2007.04.06 @ 22:40:13
Time Off Btm: 2007.04.07 @ 02:24:43

TEST COMMENT: IFP BOB open
ISI BOB 18 min.
FFP BOB 30 sec.
FSI BOB 39 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1857.20	103.46	Initial Hydro-static
1	253.20	102.83	Open To Flow (1)
14	504.45	119.02	Shut-In(1)
75	1240.85	116.26	End Shut-In(1)
76	556.10	117.73	Open To Flow (2)
134	1062.03	119.46	Shut-In(2)
225	1224.04	119.35	End Shut-In(2)
225	1748.15	119.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	MCO 50%O 50%M	0.15
2890.00	G Free Oil 30%G 70%O	39.72

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ohio Kentucky

110 E Lowry Lane
Lexington KY 40503

ATTN: Jim Hall

Galen Geyer #4

13 11S 24W Trego KS

Job Ticket: 27851 **DST#: 1**

Test Start: 2007.04.06 @ 20:53:45

Tool Information

Drill Pipe:	Length:	3620.00 ft	Diameter:	3.80 inches	Volume:	50.78 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:	90000.00 lb
					Total Volume:	51.37 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		9.00 ft					String Weight: Initial	54000.00 lb
Depth to Top Packer:		3758.00 ft					Final	68000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		12.02 ft						
Tool Length:		39.02 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			3736.00		
Hydraulic tool	5.00			3741.00		
Jars	5.00			3746.00		
Safety Joint	2.00			3748.00		
Packer	5.00			3753.00	27.00	Bottom Of Top Packer
Packer	5.00			3758.00		
Stubb	1.00			3759.00		
Recorder	0.01	6769	Inside	3759.01		
Perforations	8.00			3767.01		
Recorder	0.01	13548	Outside	3767.02		
Bullnose	3.00			3770.02	12.02	Bottom Packers & Anchor
Total Tool Length:	**39.02**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Ohio Kentucky

110 E Lowry Lane
Lexington KY 40503

ATTN: Jim Hall

Galen Geyer #4

13 11S 24W Trego KS

Job Ticket: 27851 **DST#: 1**

Test Start: 2007.04.06 @ 20:53:45

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	29 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	54.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.43 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2300.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

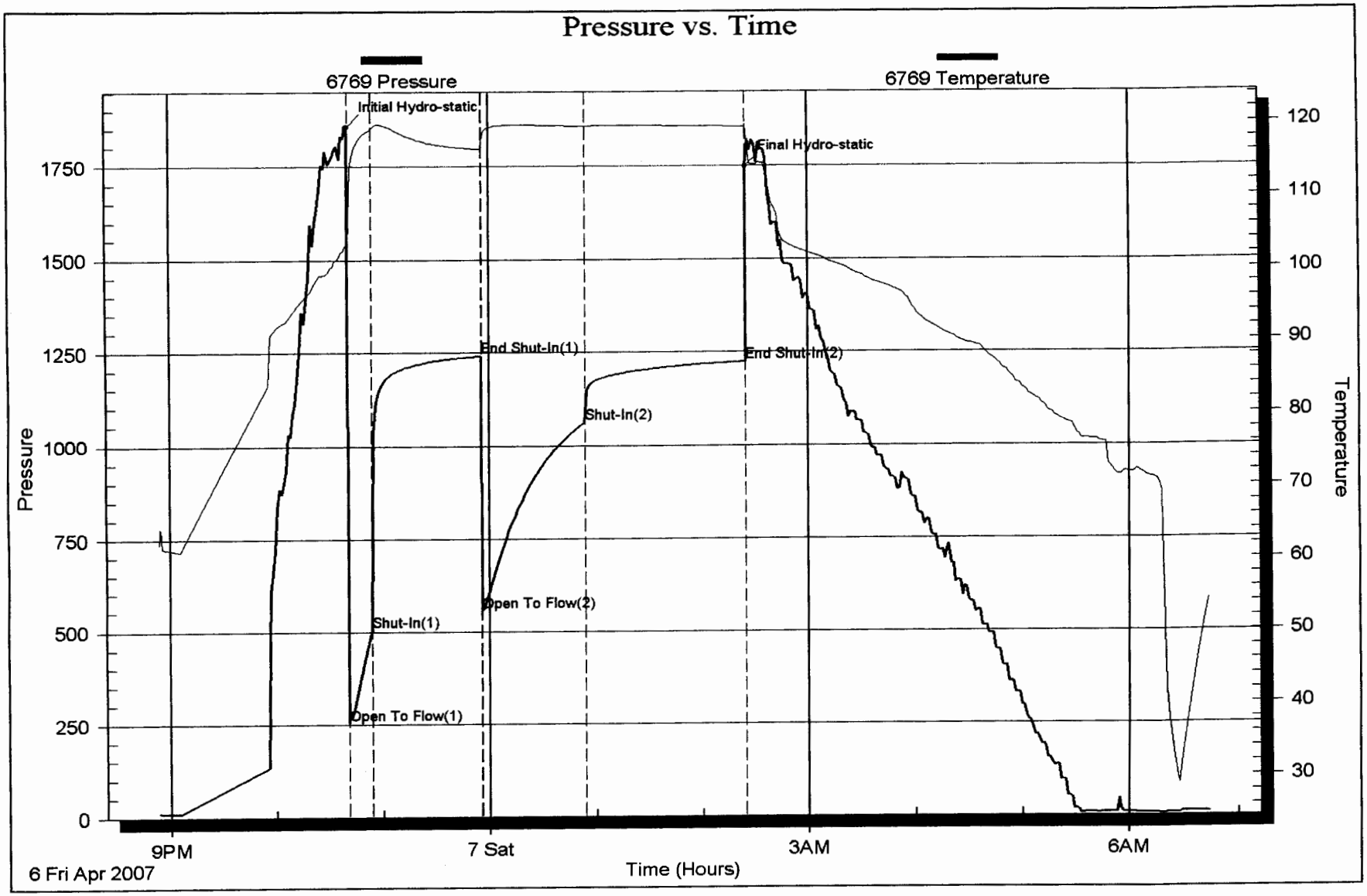
Length ft	Description	Volume bbl
30.00	MCO 50%O 50%M	0.148
2890.00	G Free Oil 30%G 70%O	39.719

Total Length: 2920.00 ft Total Volume: 39.867 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 155 ' GIP


Pressure vs. Time
6769 Pressure
6769 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)
Pressure
Temperature
0
250
500
750
1000
1250
1500
1750
30
40
50
60
70
80
90
100
110
120
9PM
7 Sat
3AM
6AM
6 Fri Apr 2007
Time (Hours)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Ohio Kentucky**

110 E Lowry Lane
Lexington KY 40503

ATTN: Jim Hall

13 11S 24W Trego KS

Galen Geyer #4

Start Date: 2007.04.07 @ 23:45:27
End Date: 2007.04.08 @ 09:06:10
Job Ticket #: 27852 DST #: 2

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

DRILL STEM TEST REPORT

Ohio Kentucky

110 E Lowry Lane
Lexington KY 40503

ATTN: Jim Hall

Galen Geyer #4

13 11S 24W Trego KS

Job Ticket: 27852 **DST#: 2**

Test Start: 2007.04.07 @ 23:45:27

GENERAL INFORMATION:

Formation: **LKC "H-I"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:10:40
Time Test Ended: 09:06:10

Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 19

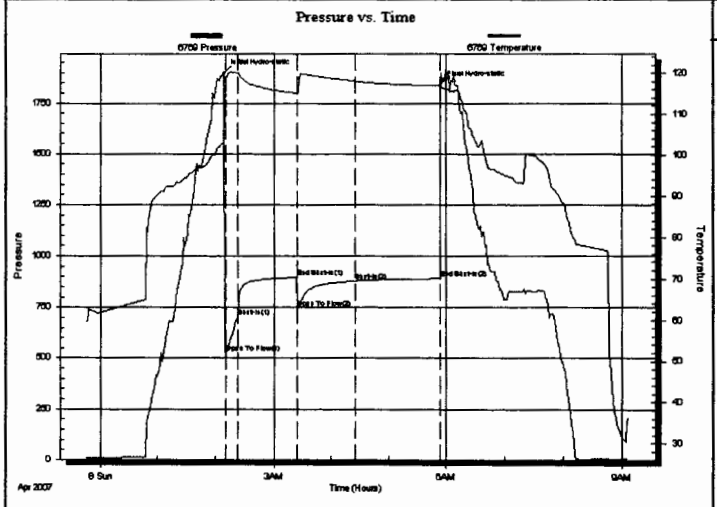
Interval: 3836.00 ft (KB) To 3890.00 ft (KB) (TVD)
Total Depth: 3890.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2360.00 ft (KB)
2355.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6769 **Inside**
Press@RunDepth: 879.73 psig @ 3840.01 ft (KB)
Start Date: 2007.04.07 End Date: 2007.04.08
Start Time: 23:45:27 End Time: 09:06:10

Capacity: 7000.00 psig
Last Calib.: 2007.04.08
Time On Btm: 2007.04.08 @ 02:09:10
Time Off Btm: 2007.04.08 @ 05:53:55

TEST COMMENT: IFP BOB open
ISI No blow back
FFP BOB 1 min.
FSI Sur blow back died 65 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1896.67	102.79	Initial Hydro-static
2	525.67	117.11	Open To Flow (1)
14	704.01	120.06	Shut-In(1)
75	896.22	115.16	End Shut-In(1)
76	747.79	114.99	Open To Flow (2)
136	879.73	118.07	Shut-In(2)
225	890.56	116.94	End Shut-In(2)
225	1841.15	117.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW 95%W 5%M	0.59
1620.00	REVERSED OUT	22.72
90.00	VSOCM 3%O 97%M	1.26
30.00	G Free Oil 20%G 75%O 5%M	0.42

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ohio Kentucky

110 E Lowry Lane
Lexington KY 40503

ATTN: Jim Hall

Galen Geyer #4

13 11S 24W Trego KS

Job Ticket: 27852 **DST#: 2**

Test Start: 2007.04.07 @ 23:45:27

Tool Information

Drill Pipe:	Length:	3713.00 ft	Diameter:	3.80 inches	Volume:	52.08 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:	100000.0 lb
					Total Volume:	52.67 bbl	Tool Chased	1.00 ft
Drill Pipe Above KB:		24.00 ft					String Weight: Initial	55000.00 lb
Depth to Top Packer:		3836.00 ft					Final	66000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		54.02 ft						
Tool Length:		81.02 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			3814.00		
Hydraulic tool	5.00			3819.00		
Jars	5.00			3824.00		
Safety Joint	2.00			3826.00		
Packer	5.00			3831.00	27.00	Bottom Of Top Packer
Packer	5.00			3836.00		
Stubb	1.00			3837.00		
Perforations	2.00			3839.00		
Change Over Sub	1.00			3840.00		
Recorder	0.01	6769	Inside	3840.01		
Blank Spacing	31.00			3871.01		
Change Over Sub	1.00			3872.01		
Perforations	15.00			3887.01		
Recorder	0.01	13548	Outside	3887.02		
Bullnose	3.00			3890.02	54.02	Bottom Packers & Anchor
Total Tool Length:	**81.02**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Ohio Kentucky

110 E Lowry Lane
Lexington KY 40503

ATTN: Jim Hall

Galen Geyer #4

13 11S 24W Trego KS

Job Ticket: 27852 **DST#: 2**

Test Start: 2007.04.07 @ 23:45:27

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	30 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	25000 ppm
Viscosity:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.93 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

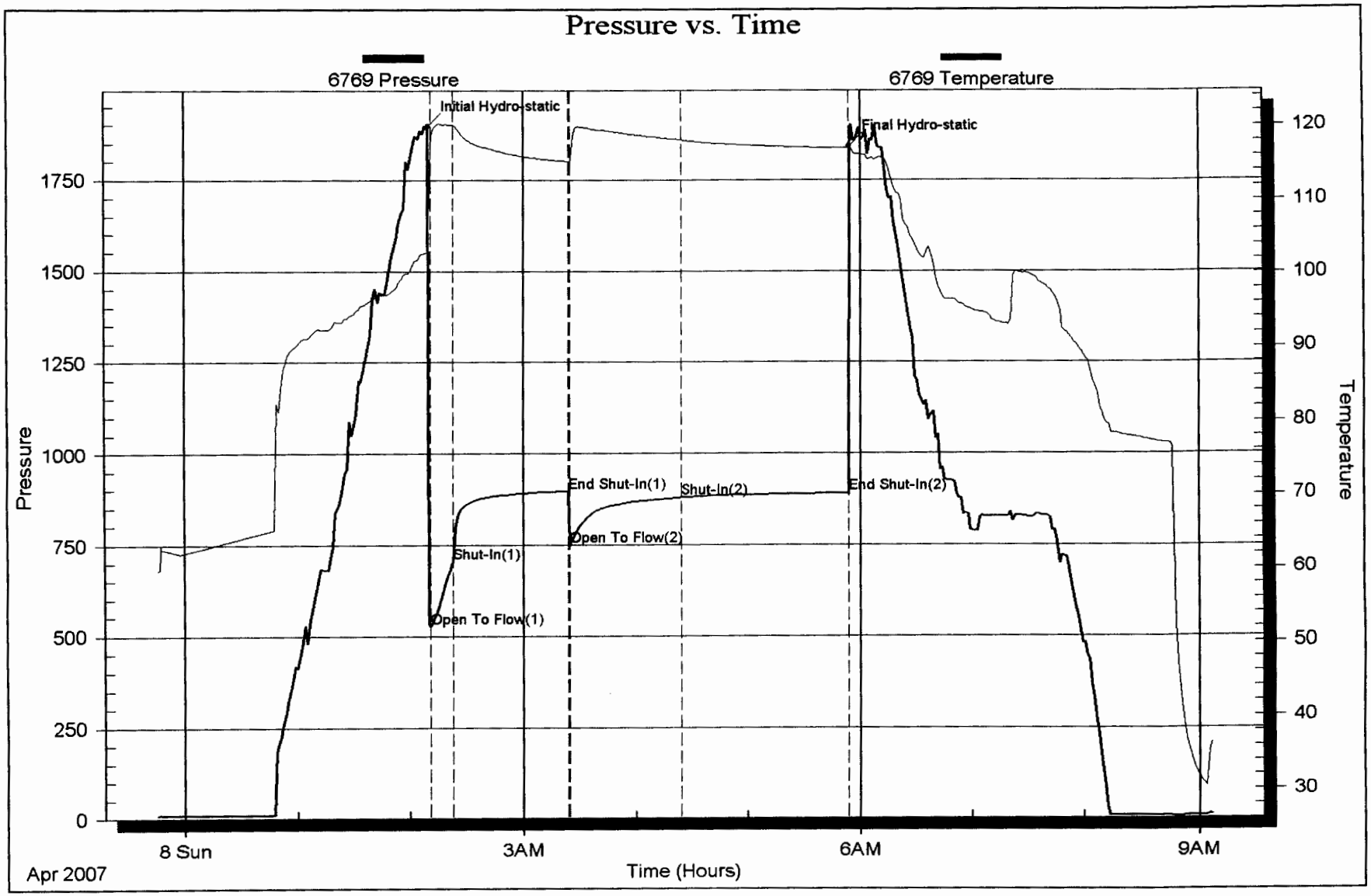
Length ft	Description	Volume bbl
120.00	MW 95%W 5%M	0.590
1620.00	REVERSED OUT	22.724
90.00	VSOCM 3%O 97%M	1.262
30.00	G Free Oil 20%G 75%O 5%M	0.421

Total Length: 1860.00 ft Total Volume: 24.997 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 30 ' GIP


Pressure vs. Time
6769 Pressure
6769 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
Shut-In(2)
End Shut-In(2)
Open To Flow(2)
Shut-In(1)
Open To Flow(1)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
50
40
30
8 Sun
3AM
6AM
9AM
Apr 2007
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Ohio Kentucky**

110 E Lowry Lane
Lexington KY 40503

ATTN: Jim Hall

13 11S 24W Trego KS

Galen Geyer #4

Start Date: 2007.04.08 @ 18:28:43
End Date: 2007.04.09 @ 02:08:56
Job Ticket #: 27853 DST #: 3

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

DRILL STEM TEST REPORT

Ohio Kentucky

110 E Lowry Lane
Lexington KY 40503

ATTN: Jim Hall

Galen Geyer #4

13 11S 24W Trego KS

Job Ticket: 27853 **DST#: 3**

Test Start: 2007.04.08 @ 18:28:43

GENERAL INFORMATION:

Formation: LKC "J-K"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:58:11
Time Test Ended: 02:08:56

Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 19

Interval: 3887.00 ft (KB) To 3931.00 ft (KB) (TVD)
Total Depth: 3931.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

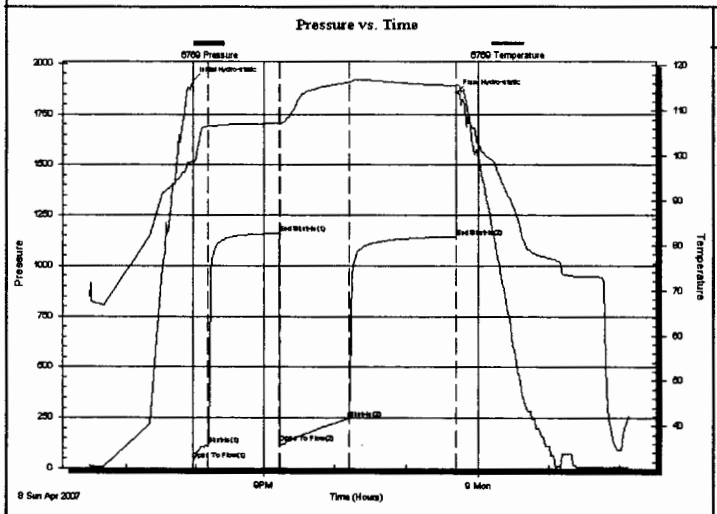
Reference Elevations: 2360.00 ft (KB)
2355.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6769 **Inside**

Press@RunDepth: 245.95 psig @ 3892.01 ft (KB)
Start Date: 2007.04.08 End Date: 2007.04.09
Start Time: 18:28:43 End Time: 02:08:56

Capacity: 7000.00 psig
Last Calib.: 2007.04.09
Time On Btm: 2007.04.08 @ 19:57:56
Time Off Btm: 2007.04.08 @ 23:41:26

TEST COMMENT: IFP BOB 9 min.
ISI 1/2 " blow back died 57 min.
FFP BOB 9 min.
FSI BOB 21 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1915.60	98.86	Initial Hydro-static
1	40.33	98.39	Open To Flow (1)
14	115.45	106.60	Shut-In(1)
75	1160.93	107.26	End Shut-In(1)
76	127.94	107.03	Open To Flow (2)
134	245.95	116.28	Shut-In(2)
224	1143.78	115.63	End Shut-In(2)
224	1853.92	115.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	WM 40% W 60% M	2.41
60.00	SG & OCM 10%G 10%O 80%M	0.84
125.00	GMCO 15%G 70%O 15%M	1.75
75.00	Free Oil 95%O 5%M	1.05

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ohio Kentucky

110 E Lowry Lane
Lexington KY 40503

ATTN: Jim Hall

Galen Geyer #4

13 11S 24W Trego KS

Job Ticket: 27853 **DST#: 3**

Test Start: 2007.04.08 @ 18:28:43

Tool Information

Drill Pipe:	Length:	3743.00 ft	Diameter:	3.80	inches	Volume:	52.50	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	120.00 ft	Diameter:	2.25	inches	Volume:	0.59	bbl	
						Total Volume:	53.09	bbl	

Drill Pipe Above KB:	3.00 ft	Tool Weight:	2500.00 lb
Depth to Top Packer:	3887.00 ft	Weight set on Packer:	25000.00 lb
Depth to Bottom Packer:	ft	Weight to Pull Loose:	90000.00 lb
Interval between Packers:	44.02 ft	Tool Chased	0.00 ft
Tool Length:	71.02 ft	String Weight: Initial	56000.00 lb
Number of Packers:	2 Diameter: 6.75 inches	Final	60000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3865.00		
Hydraulic tool	5.00			3870.00		
Jars	5.00			3875.00		
Safety Joint	2.00			3877.00		
Packer	5.00			3882.00	27.00	Bottom Of Top Packer
Packer	5.00			3887.00		
Stubb	1.00			3888.00		
Perforations	3.00			3891.00		
Change Over Sub	1.00			3892.00		
Recorder	0.01	6769	Inside	3892.01		
Blank Spacing	30.00			3922.01		
Change Over Sub	1.00			3923.01		
Perforations	5.00			3928.01		
Recorder	0.01	13548	Outside	3928.02		
Bullnose	3.00			3931.02	44.02	Bottom Packers & Anchor
Total Tool Length:	**71.02**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Ohio Kentucky

110 E Lowry Lane
Lexington KY 40503

ATTN: Jim Hall

Galen Geyer #4

13 11S 24W Trego KS

Job Ticket: 27853 **DST#: 3**

Test Start: 2007.04.08 @ 18:28:43

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	28 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	42000 ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.44 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2600.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

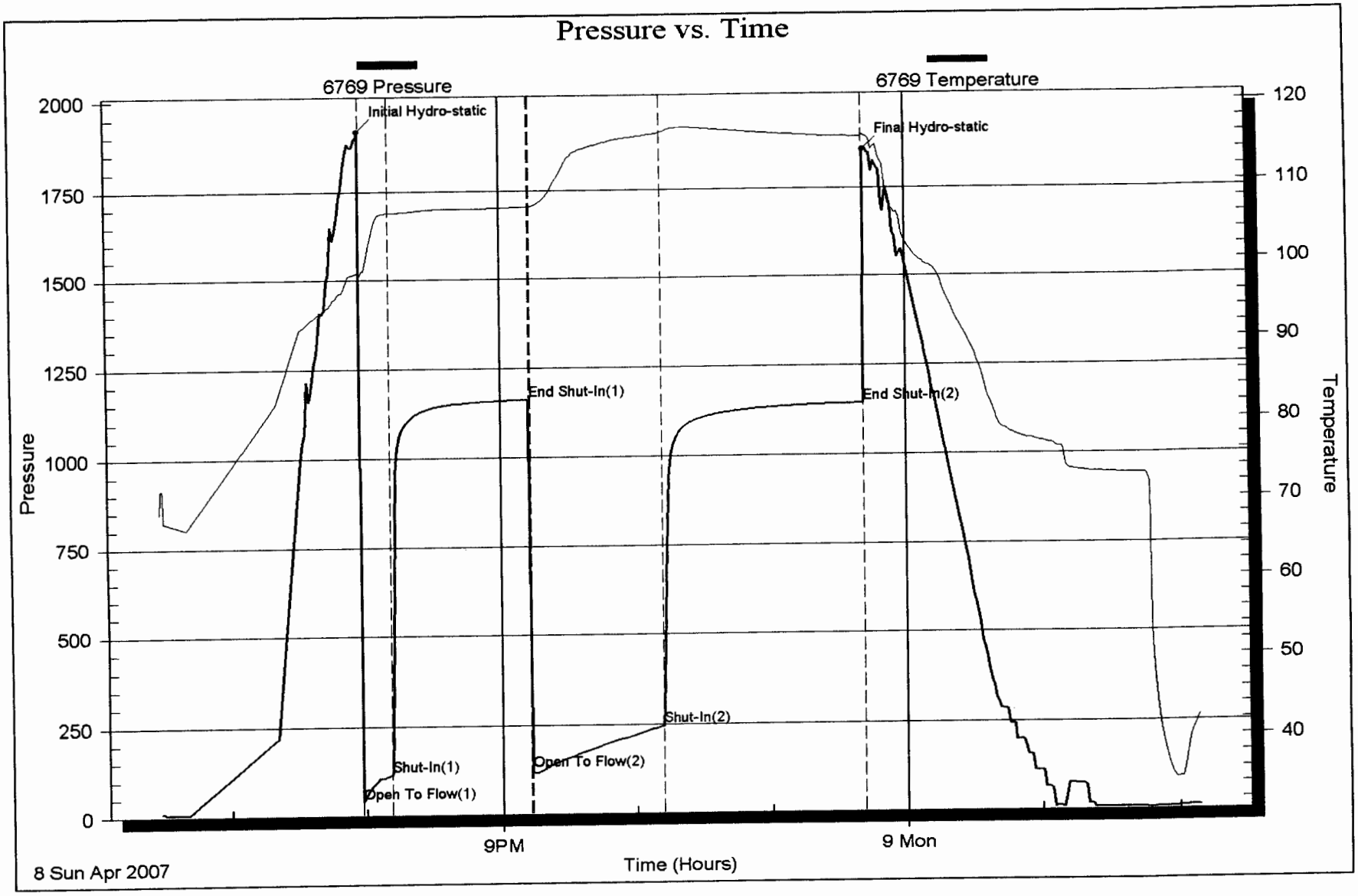
Length ft	Description	Volume bbl
250.00	WM 40% W 60% M	2.414
60.00	SG & OCM 10%G 10%O 80%M	0.842
125.00	GMCO 15%G 70%O 15%M	1.753
75.00	Free Oil 95%O 5%M	1.052

Total Length: 510.00 ft Total Volume: 6.061 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 635 ' GIP


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
Temperature
Time (Hours)
9PM
9 Mon
8 Sun Apr 2007
2000
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
50
40

27851

10020

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

Test Ticket

Well Name & No. Galen Geyer #4 Test No. 1 Date 4-6-07

Company Chio - Kentucky Zone Tested LKC "C"

Address 110 E. Lowry Lane Lexington, Ky 40503 Elevation 2360 KB 2355 GL

Co. Rep / Geo. Jim Hall Rig WW 4

Location: Sec. 13 Twp. 11S Rge. 24W Co. Trego State Ks

Comment: Release date / time:

Interval Tested 3758 - 3770 Initial Str Wt./Lbs. 54,000 Unseated Str Wt/Lbs. 68,000

Anchor Length 12 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 90,000

Top Packer Depth 3753 Tool Weight 2500

Bottom Packer Depth 3758 Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 3770 Wt. Pipe Run — Drill Collar Run 120

Mud Wt. 9.2 LCM — Vis. 54 WL 10.5 Drill Pipe Size 4½ XH Ft. Run 3620

Blow Description IFP- BOB open
ISI- BOB 18 min
FFP- BOB 30 sec
FSI- BOB 39 min

Recovery - Total Feet 2920 GIP 155 Ft. in DC 120 Ft. in DP 2800

Rec. 2890	Feet of G Free Oil	30 %gas	70 %oil	%water	%mud
Rec. 30	Feet of MCO	%gas	50 %oil	%water	50 %mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud

BHT 119 °F Gravity 25 °API D @ 20 °F Corrected Gravity 29 °API

RW — @ — °F Chlorides — ppm Recovery — Chlorides 2300 ppm System

	AK-1	Alpine				
(A) Initital Hydrostatic Mud		1829 PSI	Recorder No.	6769	Test ✓	1100
(B) First Initial Flow Pressure		253 PSI	(depth)	3759	Jars ✓	250
(C) First Final Flow Pressure		504 PSI	Recorder No.	13548	Safety Jt. ✓	-75
(D) Initial Shut-In Pressure		1241 PSI	(depth)	3767	Circ Sub	
(E) Second Initial Flow Pressure		556 PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		1062 PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		1224 PSI	**Initial Opening**	15	Ext. Packer	
(Q) Final Hydrostatic Mud		1812 PSI	Initial Shut-In	60	Shale Packer	
			Final Flow	60	Ruined Packer	
			Final Shut-In	90	Mileage ✓	102 R
			T-On Location	1952	Sub Total:	1552.50
			T-Started	2053	Std. By	
			T-Open	2243	Acc. Chg:	
			T-Pulled	0228	Other:	
			T-Out	0647	Total:	

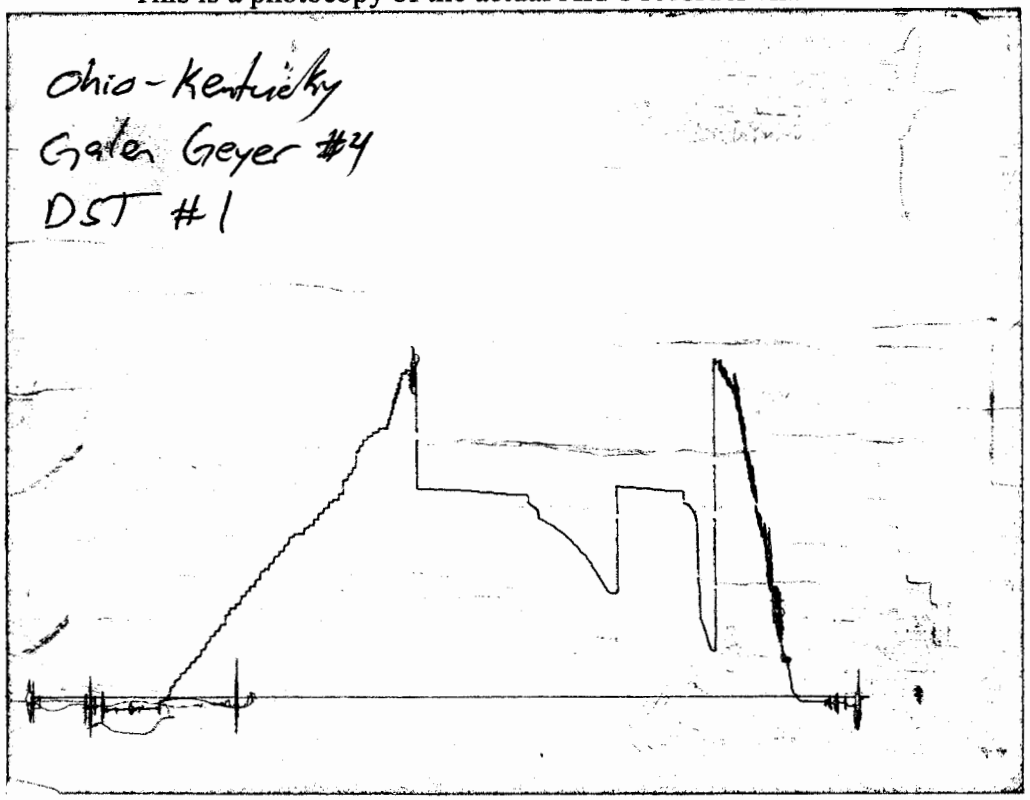
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Approved By J.R. Hall

Our Representative Brian Fairbank (Thanks)

CHART PAGE

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



27852

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

Test Ticket

Well Name & No. Galen Geyer #4 Test No. 2 Date 4-7-07

Company Ohio - Kentucky Zone Tested LKC "H-I"

Address 110 E Lowry Lane Lexington, Ky 40503 Elevation 2360 KB 2355 GL

Co. Rep / Geo. Jim Hall Rig WW4

Location: Sec. 13 Twp. 11S Rge. 24W Co. Trego State Ks

Comment: tool slid 1' to bottom Release date / time:

Interval Tested 3836-3890 Initial Str Wt./Lbs. 55,000 Unseated Str Wt/Lbs. 66,000

Anchor Length 54 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 100,000

Top Packer Depth 3831 Tool Weight 2500

Bottom Packer Depth 3836 Hole Size 7 7/8" – Rubber Size 6 3/4" –

Total Depth 3890 Wt. Pipe Run – Drill Collar Run 120

Mud Wt. 9.0 LCM – Vis. 58 WL 11.0 Drill Pipe Size 4½XH Ft. Run 3713

Blow Description IFP BOB open
ISI- no blow back
FFP- BOB 1 min
FSI- sur blow back died 65 min

Recovery - Total Feet 1860 GIP 30 Ft. in DC 120 Ft. in DP 1740

Rec. 30	Feet of MG Free Oil	20 %gas	75 %oil	%water	5 %mud
Rec. 90	Feet of VSOCM	%gas	3 %oil	%water	97 %mud
Rec. 1620	Feet of reversed out	%gas	%oil	%water	%mud
Rec. 120	Feet of MW	%gas	%oil	95 %water	5 %mud
Rec.	Feet of	%gas	%oil	%water	%mud

BHT 117 °F Gravity 30.27 °API D @ 30 °F Corrected Gravity 30 °API

RW .303 @ 57 °F Chlorides 25,000 ppm Recovery Chlorides 3000 ppm System

	AK-1	Alpine					
(A) Initital Hydrostatic Mud		1892 PSI	Recorder No.	6769	Test ✓	1100
(B) First Initial Flow Pressure		526 PSI	(depth)	3840	Jars ✓	250
(C) First Final Flow Pressure		704 PSI	Recorder No.	13548	Safety Jt. ✓	75
(D) Initial Shut-In Pressure		896 PSI	(depth)	3887	Circ Sub ✓	50
(E) Second Initial Flow Pressure		748 PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		880 PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		891 PSI	**Initial Opening**	15	Ext. Packer	
(Q) Final Hydrostatic Mud		1837 PSI	Initial Shut-In	60	Shale Packer	
			Final Flow	60	Ruined Packer	
			Final Shut-In	90	Mileage ✓ DP	137.50
			T-On Location	2301	Sub Total:	
			T-Started	2345	Std. By	
			T-Open	0209	Acc. Chg:	1.07
			T-Pulled	0554	Other:	
			T-Out	0906	Total:	

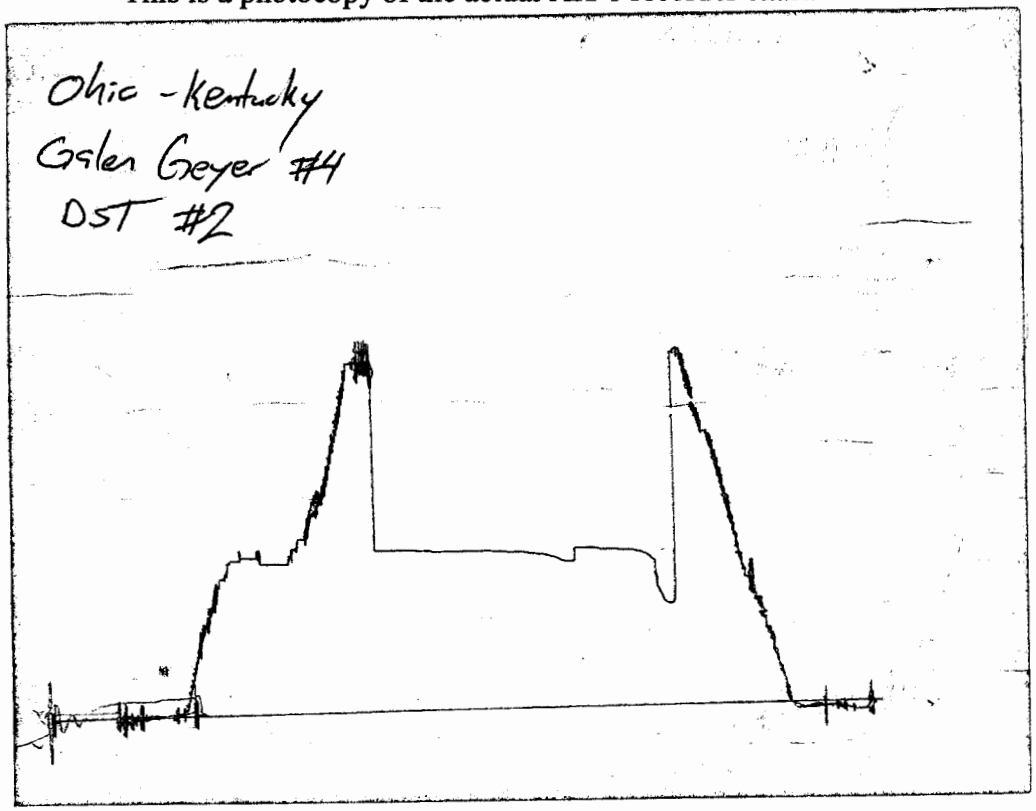
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By J R Hall

Our Representative Brian Fairbank (Thanks)

CHART PAGE

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



27853

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

Test Ticket

Well Name & No. Golden Geyer #4 Test No. 3 Date 4-8-07

Company Ohio - Kentucky Zone Tested LKC "J-K"

Address 110 E Lowry Lane Lexington, Ky 40503 Elevation 2360 KB 2355 GL

Co. Rep / Geo. Jim Hall Rig WW 4

Location: Sec. 13 Twp. 11S Rge. 24W Co. Trego State Ks

Comment: Release date / time:

Interval Tested 3887-3931 Initial Str Wt./Lbs. 56,000 Unseated Str Wt/Lbs. 60,000

Anchor Length 44 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 90,000

Top Packer Depth 3882 Tool Weight 2500

Bottom Packer Depth 3887 Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 3931 Wt. Pipe Run — Drill Collar Run 120

Mud Wt. 8.9 LCM — Vis. 56 WL 10.5 Drill Pipe Size 4½ XH Ft. Run 3743

Blow Description IFP- BOB 9 min
ISI- ½ blow back died 57 min
FFP- BOB 9 min.
FSI- BOB 21 min

Recovery - Total Feet 510 GIP 635 Ft. in DC 120 Ft. in DP 390

Rec. 75	Feet of Free oil	%gas	95 %oil	%water	5 %mud
Rec. 125	Feet of GMCO	15 %gas	70 %oil	%water	15 %mud
Rec. 60	Feet of SG+OCM	10 %gas	10 %oil	%water	80 %mud
Rec. 250	Feet of WM	%gas	%oil	40 %water	60 %mud
Rec.	Feet of	%gas	%oil	%water	%mud

BHT 116 °F Gravity 26 °API D @ 40 °F Corrected Gravity 28 °API

RW .211 @ 61 °F Chlorides 42,000 ppm Recovery Chlorides 2600 ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud		1873 PSI	Recorder No.	6769	Test ✓	1100
(B) First Initial Flow Pressure		40 PSI	(depth)	3892	Jars ✓	250
(C) First Final Flow Pressure		115 PSI	Recorder No.	13548	Safety Jt. ✓	75
(D) Initial Shut-In Pressure		1161 PSI	(depth)	3928	Circ Sub	
(E) Second Initial Flow Pressure		128 PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		246 PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		1144 PSI	**Initial Opening**	15	Ext. Packer	
(Q) Final Hydrostatic Mud		1647 PSI	Initial Shut-In	60	Shale Packer ✓	200
			Final Flow	60	Ruined Packer	
			Final Shut-In	90	Mileage ✓	127.50
			T-On Location	1739	Sub Total:	
			T-Started	1626	Std. By	
			T-Open	1956	Acc. Chg:	152.50
			T-Pulled	2341	Other:	
			T-Out	0208	Total:	

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