



## DRILL STEM TEST REPORT

Prepared For: **Ohio Kentucky Oil Corp**

110 East Lowey Lane  
Lexington KY 40503

ATTN: Deanna McDowell

**13 11S 24W Trego KS**

**Galen Geyer #2**

Start Date: 2006.08.26 @ 20:26:35

End Date: 2006.08.27 @ 05:40:04

Job Ticket #: 26789                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Ohio Kentucky Oil Corp

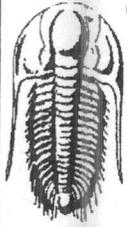
Galen Geyer #2

13 11S 24W Trego KS

DST # 1

LKC H-I

2006.08.26



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Ohio Kentucky Oil Corp

**Galen Geyer #2**

110 East Low ey Lane  
Lexington KY 40503

**13 11S 24W Trego KS**

Job Ticket: 26789

**DST#: 1**

ATTN: Deanna McDow ell

Test Start: 2006.08.26 @ 20:26:35

### GENERAL INFORMATION:

Formation: **LKC H-I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:55:34

Time Test Ended: 05:40:04

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **3795.00 ft (KB) To 3845.00 ft (KB) (TVD)**

Reference Elevations: 2315.00 ft (KB)

Total Depth: 3845.00 ft (KB) (TVD)

2310.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

### Serial #: 8167

Inside

Press@RunDepth: 238.58 psig @ 3797.01 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.08.26

End Date: 2006.08.27

Last Calib.: 2006.08.27

Start Time: 20:26:35

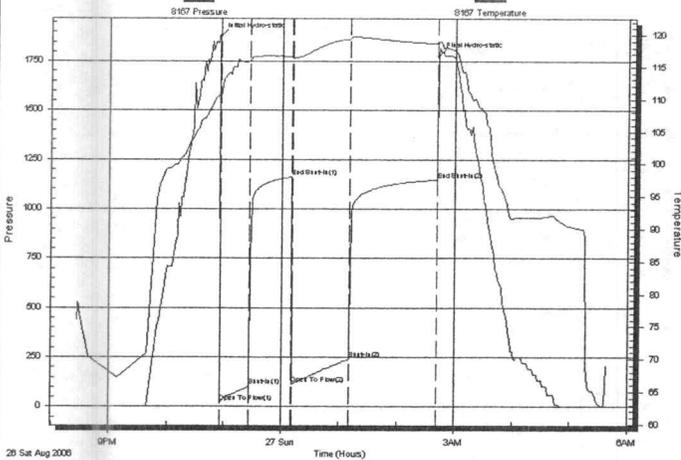
End Time: 05:40:04

Time On Btm: 2006.08.26 @ 22:55:04

Time Off Btm: 2006.08.27 @ 02:42:04

TEST COMMENT: IFP Wk to strg in 12 min  
FFP Wk to strg in 25 min  
Times 30 45 60 90  
ISIP Surface bl bk

Pressure vs. Time



### PRESSURE SUMMARY

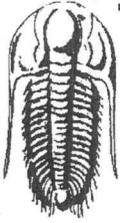
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1876.81	110.85	Initial Hydro-static
1	21.86	110.27	Open To Flow (1)
31	101.84	115.91	Shut-In(1)
75	1160.73	116.67	End Shut-In(1)
76	112.53	116.38	Open To Flow (2)
135	238.58	119.37	Shut-In(2)
227	1147.64	118.65	End Shut-In(2)
227	1778.64	118.82	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
105.00	CO	1.47
90.00	HO&GCM 25%G 35%O 40%M	1.26
60.00	O&GCWM 27%G10%O 15%W48%M	0.84
60.00	O&GCMW 20%G 5%O 65%W 10%M	0.84
180.00	Water RW .21 @ 70F	2.52
0.00	825' GIP	0.00

### Gas Rates

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



**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Ohio Kentucky Oil Corp

**Galen Geyer #2**

110 East Lowey Lane  
Lexington KY 40503

**13 11S 24W Trego KS**

Job Ticket: 26789

**DST#: 1**

ATTN: Deanna McDowell

Test Start: 2006.08.26 @ 20:26:35

### Tool Information

Drill Pipe:	Length: 3785.00 ft	Diameter: 3.80 inches	Volume: 53.09 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 53.09 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3795.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.02 ft			
Tool Length:	78.02 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			3768.00	
Shut In Tool	5.00			3773.00	
Hydraulic tool	5.00			3778.00	
Jars	5.00			3783.00	
Safety Joint	2.00			3785.00	
Packer	5.00			3790.00	28.00 Bottom Of Top Packer
Packer	5.00			3795.00	
Stubb	1.00			3796.00	
Perforations	1.00			3797.00	
Recorder	0.01	8167	Inside	3797.01	
Blank Spacing	33.00			3830.01	
Recorder	0.01	13534	Outside	3830.02	
Perforations	12.00			3842.02	
Bullnose	3.00			3845.02	50.02 Bottom Packers & Anchor

**Total Tool Length: 78.02**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Ohio Kentucky Oil Corp

**Galen Geyer #2**

110 East Lowey Lane  
Lexington KY 40503

**13 11S 24W Trego KS**

Job Ticket: 26789

**DST#: 1**

ATTN: Deanna McDowell

Test Start: 2006.08.26 @ 20:26:35

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 47.00 sec/qt

Water Loss: 7.93 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbbl

psig

Oil API:

37 deg API

Water Salinity:

33000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
105.00	CO	1.473
90.00	HO&GCM 25%G 35%O 40%M	1.262
60.00	O&GCWM 27%G 10%O 15%W 48%M	0.842
60.00	O&GCMW 20%G 5%O 65%W 10%M	0.842
180.00	Water RW .21 @ 70F	2.525
0.00	825' GIP	0.000

Total Length: 495.00 ft

Total Volume: 6.944 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8167

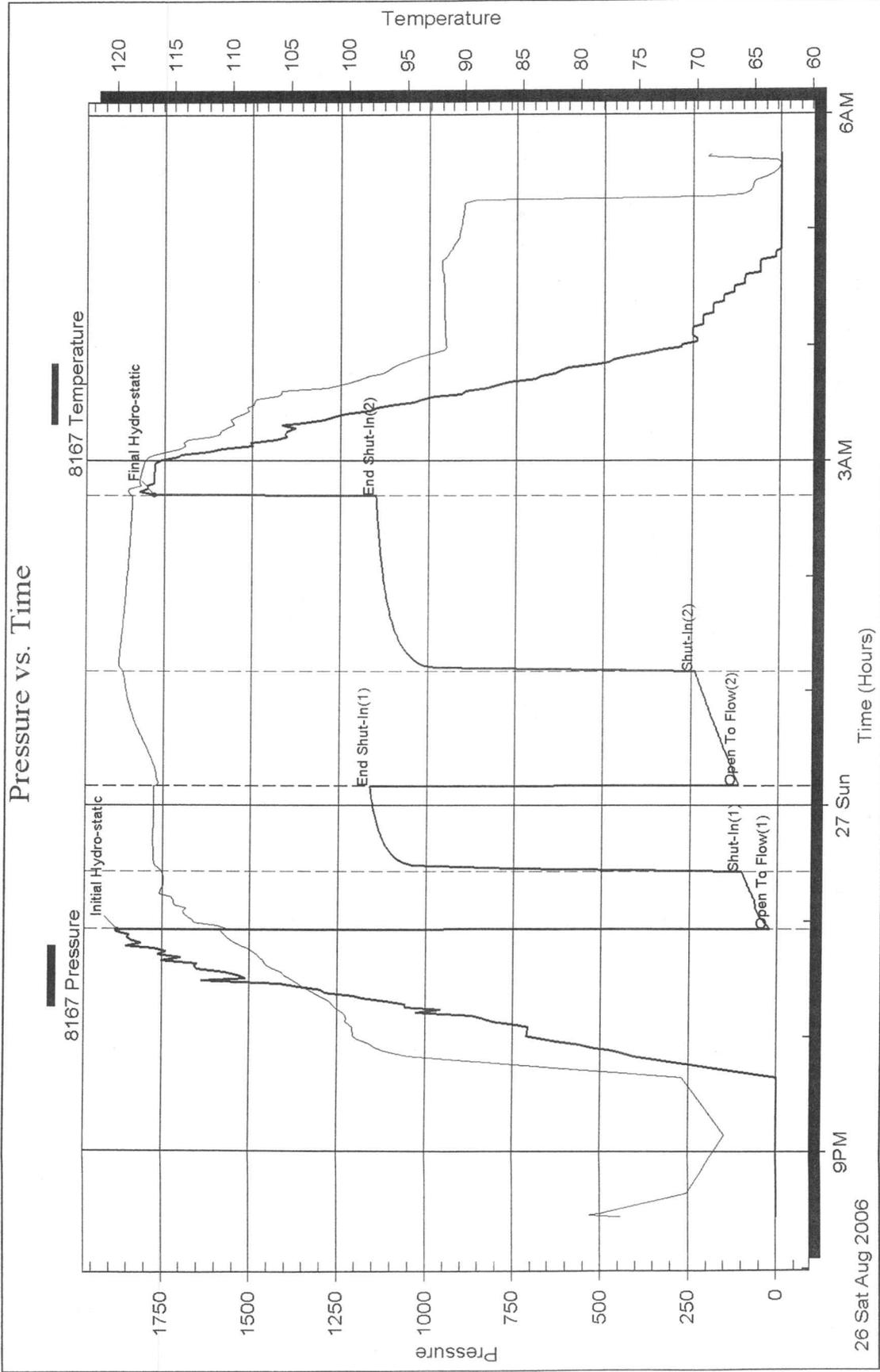
Inside

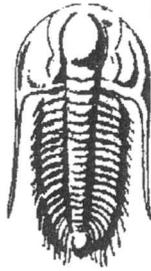
Ohio Kentucky Oil Corp

13 11S24W Trego KS

DST Test Number: 1

### Pressure vs. Time





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Ohio Kentucky Oil Corp**

110 East Lowey Lane  
Lexington KY 40503

ATTN: Deanna McDowell

**13 11S 24W Trego KS**

**Galen Geyer #2**

Start Date: 2006.08.27 @ 14:12:48

End Date: 2006.08.27 @ 21:53:17

Job Ticket #: 26790                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Ohio Kentucky Oil Corp

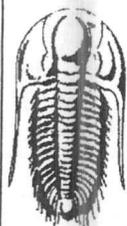
Galen Geyer #2

13 11S 24W Trego KS

DST # 2

LKC "J"

2006.08.27



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Ohio Kentucky Oil Corp

110 East Lowey Lane  
Lexington KY 40503

ATTN: Deanna McDowell

**Galen Geyer #2**

**13 11S 24W Trego KS**

Job Ticket: 26790

**DST#: 2**

Test Start: 2006.08.27 @ 14:12:48

### GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:03:47

Time Test Ended: 21:53:17

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **3849.00 ft (KB) To 3868.00 ft (KB) (TVD)**

Total Depth: 3868.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2315.00 ft (KB)

2310.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8167**

**Inside**

Press@RunDepth: 39.61 psig @ 3850.01 ft (KB)

Start Date: 2006.08.27

End Date: 2006.08.27

Capacity: 7000.00 psig

Last Calib.: 2006.08.27

Start Time: 14:12:48

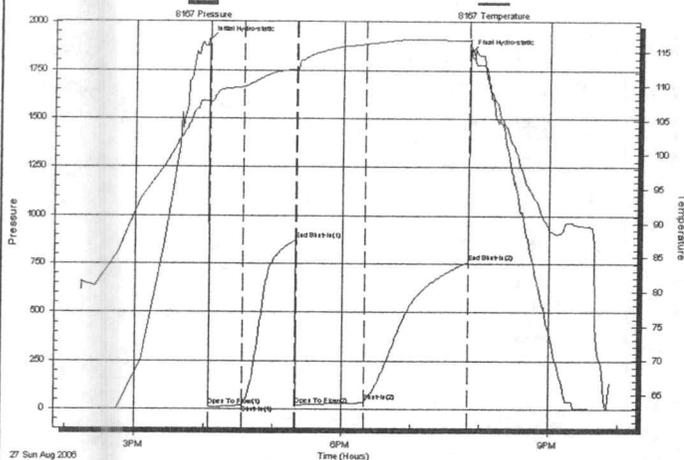
End Time: 21:53:17

Time On Btm: 2006.08.27 @ 16:03:17

Time Off Btm: 2006.08.27 @ 19:50:17

TEST COMMENT: IFP Wk to strg in 15 min  
FFP Wk to strg in 15 min  
Times 30 45 60 90  
ISP 1/8 " blk

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1906.76	107.67	Initial Hydro-static
1	16.26	107.25	Open To Flow (1)
30	20.37	109.82	Shut-In(1)
76	873.79	112.46	End Shut-In(1)
77	22.99	112.09	Open To Flow (2)
136	39.61	116.20	Shut-In(2)
226	759.82	116.69	End Shut-In(2)
227	1841.16	116.90	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
40.00	CO	0.56
30.00	HO&GCM 15%G 40%O 45%M	0.42
0.00	1320' GIP	0.00

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Ohio Kentucky Oil Corp

**Galen Geyer #2**

110 East Lowey Lane  
Lexington KY 40503

**13 11S 24W Trego KS**

Job Ticket: 26790

**DST#: 2**

ATTN: Deanna McDowell

Test Start: 2006.08.27 @ 14:12:48

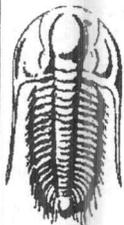
### Tool Information

Drill Pipe:	Length: 3848.00 ft	Diameter: 3.80 inches	Volume: 53.98 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 53.98 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3849.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.02 ft			
Tool Length:	42.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3827.00	
Shut In Tool	5.00			3832.00	
Hydraulic tool	5.00			3837.00	
Safety Joint	2.00			3839.00	
Packer	5.00			3844.00	23.00 Bottom Of Top Packer
Packer	5.00			3849.00	
Stubb	1.00			3850.00	
Recorder	0.01	8167	Inside	3850.01	
Perforations	15.00			3865.01	
Recorder	0.01	13534	Outside	3865.02	
Bullnose	3.00			3868.02	19.02 Bottom Packers & Anchor

**Total Tool Length: 42.02**



**TRILOBITE  
TESTING, INC.**

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**Galen Geyer #2**

110 East Lowey Lane  
Lexington KY 40503

**13 11S 24W Trego KS**

Job Ticket: 26790

**DST#: 2**

ATTN: Deanna McDowell

Test Start: 2006.08.27 @ 14:12:48

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 7.92 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	CO	0.561
30.00	HO&GCM 15%G 40%O 45%M	0.421
0.00	1320' GIP	0.000

Total Length: 70.00 ft      Total Volume: 0.982 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

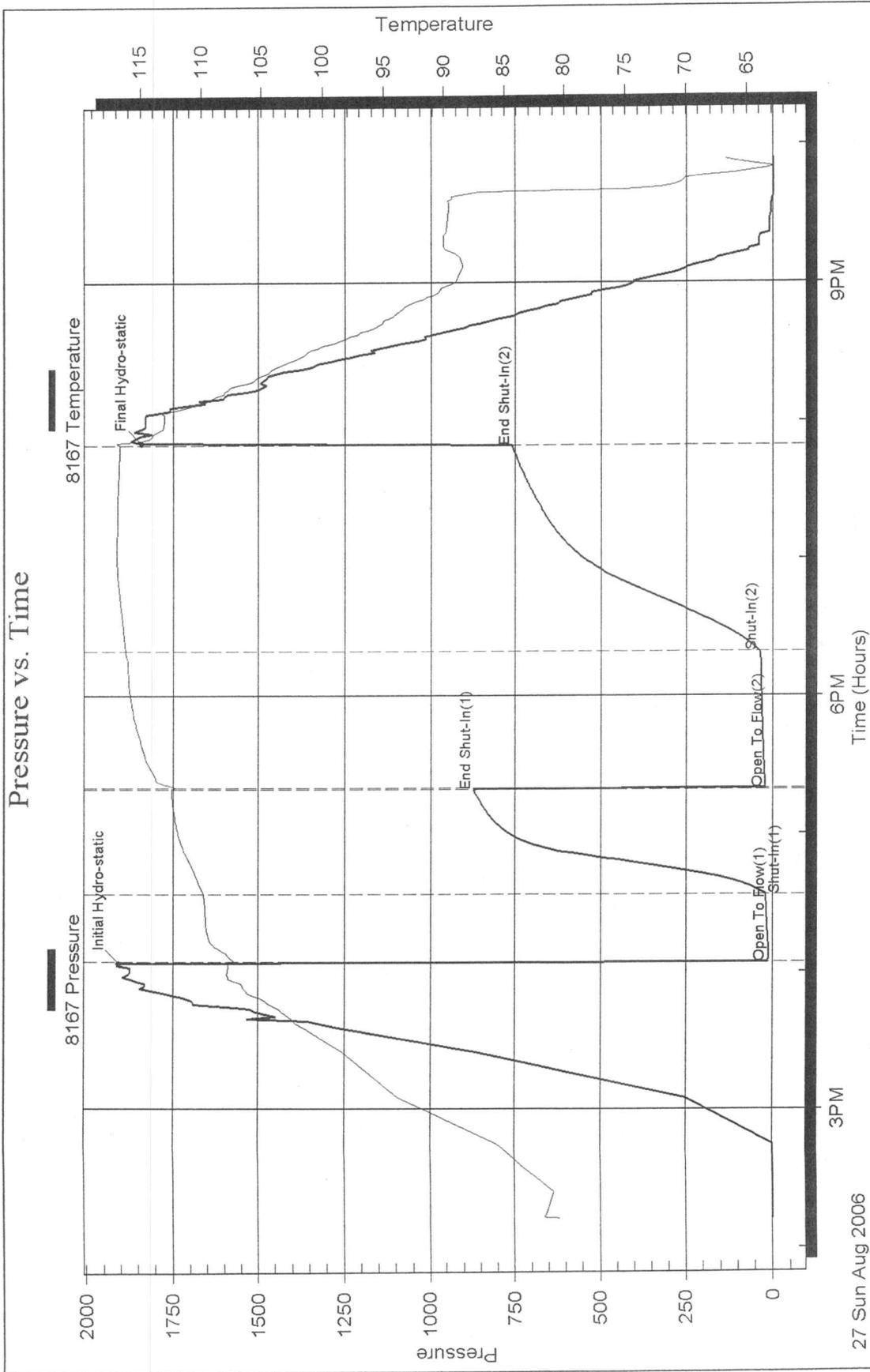
Serial #: 8167

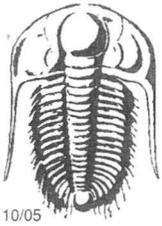
Inside

Ohio Kentucky Oil Corp

13 11S 24W Trego KS

DST Test Number: 2





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9204

26789

P.O. # 11038

## Test Ticket

Well Name & No. Galen Geyer #2 Test No. 1 Date 8-26-06  
 Company Ohio Kentucky Oil Corp Zone Tested LKC H-I  
 Address 110 EAST Lowey Lane Lexington, Ky 40503 Elevation 2315 KB 2310 GL  
 Co. Rep / Geo. Jim Hall Rig American Eagle r193  
 Location: Sec. 13 Twp. 11<sup>s</sup> Rge. 24<sup>w</sup> Co. Trigo State Ko  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 3795-3845 Initial Str Wt./Lbs. 32000 Unseated Str Wt./Lbs. 35000  
 Anchor Length 50 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 60000  
 Top Packer Depth 3790 Tool Weight 2200  
 Bottom Packer Depth 3795 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 3845 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run \_\_\_\_\_  
 Mud Wt. 9.2 LCM 1/2# Vis. 47 WL 8 Drill Pipe Size 4 1/2 X H Ft. Run 3785  
 Blow Description IFP - WEAK TO STRONG IN 12 MIN  
FFP - WEAK TO STRONG IN 25 MIN  
ISIP - SURFACE BLOW BACK  
FSIP - 2" BLOW BACK

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>495</u>	<u>825</u>	<u>—</u>	<u>495</u>
Rec. <u>105</u>	Feet of <u>CO</u>	%gas _____	%oil _____ %water _____ %mud _____
Rec. <u>90</u>	Feet of <u>H0+6CM</u>	<u>25</u> %gas	<u>35</u> %oil <u>40</u> %water <u>40</u> %mud
Rec. <u>60</u>	Feet of <u>O+6CWM</u>	<u>27</u> %gas	<u>10</u> %oil <u>15</u> %water <u>48</u> %mud
Rec. <u>60</u>	Feet of <u>O+6CWM</u>	<u>20</u> %gas	<u>5</u> %oil <u>65</u> %water <u>10</u> %mud
Rec. <u>180</u>	Feet of <u>WATER</u>	%gas _____	%oil _____ %water _____ %mud _____
BHT <u>118</u>	°F Gravity <u>37</u>	°API D @ <u>60</u>	°F Corrected Gravity <u>37</u> °API _____
RW <u>.21</u>	@ <u>70</u> °F	Chlorides <u>33000</u> ppm	Recovery _____ Chlorides <u>2000</u> ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1844</u> PSI	<u>1844</u> PSI	<u>8167</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>21</u> PSI	<u>21</u> PSI	(depth) <u>3797</u>	Jars <u>250</u>
(C) First Final Flow Pressure	<u>101</u> PSI	<u>101</u> PSI	Recorder No. <u>13534</u>	Safety Jtl <u>75</u>
(D) Initial Shut-In Pressure	<u>1160</u> PSI	<u>1160</u> PSI	(depth) <u>3830</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>112</u> PSI	<u>112</u> PSI	Recorder No. <u>—</u>	Sampler _____
(F) Second Final Flow Pressure	<u>238</u> PSI	<u>238</u> PSI	(depth) <u>—</u>	Straddle _____
(G) Final Shut-In Pressure	<u>1147</u> PSI	<u>1147</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1777</u> PSI	<u>1777</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>96 RT</u> <u>120</u>

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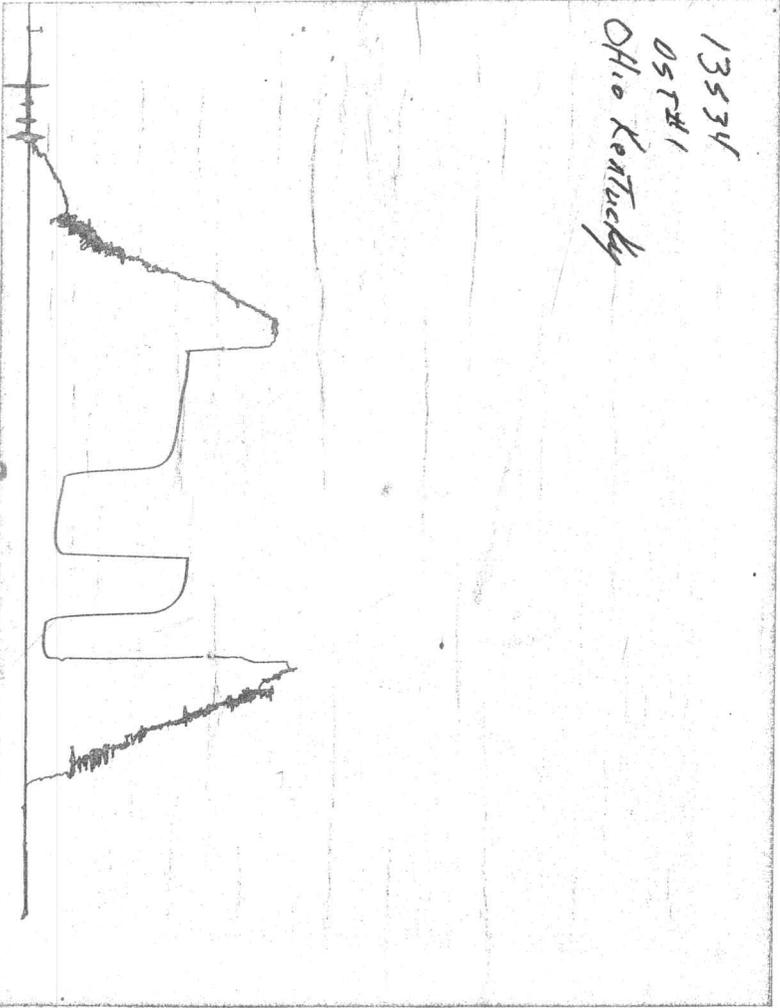
Approved By Jim Hall  
 Our Representative RAY SCHWAGER Thank you

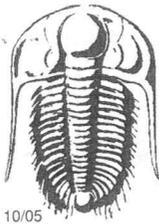
T-On Location	T-Started	T-Open	T-Pulled	T-Out
<u>1800</u>	<u>2026</u>	<u>2300</u>	<u>0245</u>	<u>0540</u>
Sub Total: <u>1545</u>	Std. By <u>35</u>	Acc. Chg: _____	Other: _____	Total: <u>161895</u>

**CHART PAGE**

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

13534  
05741  
Ohio Kentucky





# TRILOBITE TESTING INC.

26790

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

Well Name & No. Galen Geyer # 2 Test No. 2 Date 8-27-06  
 Company Ohio Kentucky Oil Corp Zone Tested LKC "J"  
 Address 110 EAST Lowey Lane Lexington, Ky 40503 Elevation 2315 KB 2310 GL  
 Co. Rep / Geo. Jim Hall Rig AMERICAN EAGLE 1193  
 Location: Sec. 13 Twp. 11<sup>s</sup> Rge. 24<sup>w</sup> Co. Trego State Ko  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 3849-3868 Initial Str Wt./Lbs. 32000 Unseated Str Wt/Lbs. 34000  
 Anchor Length 19 Wt. Set Lbs. 25600 Wt. Pulled Loose/Lbs. 60000  
 Top Packer Depth 3844 Tool Weight 2200  
 Bottom Packer Depth 3849 Hole Size 7 7/8" - Rubber Size 6 3/4" -  
 Total Depth 3868 Wt. Pipe Run - Drill Collar Run -  
 Mud Wt. 9.2 LCM 1/4# Vis. 51 WL 8 Drill Pipe Size 4 1/2 X H Ft. Run 3848  
 Blow Description IFP - WEAK TO STRONG IN 15 MIN  
FFP - WEAK TO STRONG IN 15 MIN  
ISIP - 1/8" Blow Back  
FSIP - 1/4" Blow Back

Recovery - Total Feet 70 GIP 1320 Ft. in DC - Ft. in DP 70  
 Rec. 40 Feet of CO %gas %oil %water %mud  
 Rec. 30 Feet of HO + 6 CM 15 %gas 40 %oil %water 45 %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 BHT 116 °F Gravity 33 °API D @ 60 °F Corrected Gravity 33 °API  
 RW - @ - °F Chlorides - ppm Recovery \_\_\_\_\_ Chlorides 3000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	1875	PSI	8162	✓ 1100
(B) First Initial Flow Pressure	16	PSI	(depth) 3850	Jars
(C) First Final Flow Pressure	20	PSI	Recorder No. 13534	Safety Jt. ✓ 75
(D) Initial Shut-In Pressure	873	PSI	(depth) 3865	Circ Sub
(E) Second Initial Flow Pressure	22	PSI	Recorder No. -	Sampler
(F) Second Final Flow Pressure	39	PSI	(depth) -	Straddle
(G) Final Shut-In Pressure	759	PSI	Initial Opening 30	Ext. Packer
(Q) Final Hydrostatic Mud	1829	PSI	Initial Shut-In 45	Shale Packer
			Final Flow 60	Ruined Packer
			Final Shut-In 90	Mileage ✓ <del>10</del> SORT 6250

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Approved By [Signature] T-Started 1412 Std. By [Signature] 50  
 Our Representative Ray Schwager Thank you T-Open 1605 Acc. Chg: \_\_\_\_\_  
 T-Pulled 1950 Other: \_\_\_\_\_  
 T-Out 2153 Total: 81287.50

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

**CHART PAGE**

13534  
OST #2  
OH, o Kentucky

