



DRILL STEM TEST REPORT

Prepared For: **Ohio Kentucky Oil Corporation**

110 Lowery Ln
Lexington KY 40503

ATTN:

13 11 24 Trego KS
W

GALEN GEYER #5

Start Date: 2007.09.12 @ 16:56:08

End Date: 2007.09.13 @ 00:52:08

Job Ticket #: 28909 PO# 121 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

MAR 19 2008

CONSERVATION DIVISION
WICHITA, KS

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Ohio Kentucky Oil Corp

Vreeland #4

110 Lowery Ln
Lexington Ky 40503

13-11-24-Trego-Ks

Job Ticket: 28909 PO# DST#: 1

ATTN:

Test Start: 2007.09.12 @ 16:56:08

GENERAL INFORMATION:

Formation: B-C LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:38:23

Time Test Ended: 00:52:08

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: 3747.00 ft (KB) To 3785.00 ft (KB) (TVD)

Total Depth: 3785.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2362.00 ft (KB)

2354.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6741 Inside

Press@RunDepth: 71.35 psig @ 3748.00 ft (KB)

Start Date: 2007.09.12

End Date:

2007.09.13

Capacity: 7000.00 psig

Last Calib.: 2007.09.13

Start Time: 16:56:08

End Time:

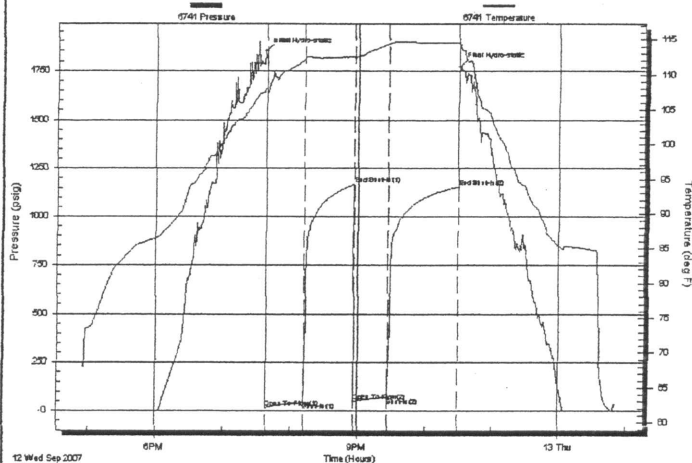
00:52:08

Time On Btm: 2007.09.12 @ 19:36:53

Time Off Btm: 2007.09.12 @ 22:30:23

TEST COMMENT: IF-Weak building to 1 1/2"
FF-Weak building to 1/2"

Pressure vs. Time



PRESSURE SUMMARY

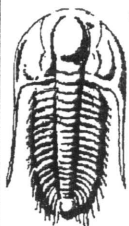
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1848.53	107.97	Initial Hydro-static
2	14.65	107.19	Open To Flow (1)
36	43.83	112.31	Shut-In(1)
80	1168.04	112.53	End Shut-In(1)
80	51.76	112.32	Open To Flow (2)
110	71.35	114.40	Shut-In(2)
173	1154.94	114.48	End Shut-In(2)
174	1773.28	113.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mdy Wtr 80%w 20%m	1.03
60.00	OCMdy Wtr 5%o 65%w 30%m	1.03

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ohio Kentucky Oil Corporation

Vreeland #4

110 Lowery Ln
Lexington KY 40503

13 11 24 Trego KS

Job Ticket: 28909 PO# **DST#: 1**

ATTN:

Test Start: 2007.09.12 @ 16:56:08

Tool Information

Drill Pipe:	Length: 3732.00 ft	Diameter: 4.21 inches	Volume: 64.26 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 64.26 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3747.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	67.00 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			3719.00	
Shut In Tool	5.00			3724.00	
Hydraulic tool	5.00			3729.00	
Jars	5.00			3734.00	
Safety Joint	3.00			3737.00	
Packer	5.00			3742.00	29.00 Bottom Of Top Packer
Packer	5.00			3747.00	
Stubb	1.00			3748.00	
Recorder	0.00	6741	Inside	3748.00	
Perforations	34.00			3782.00	
Recorder	0.00	13254	Outside	3782.00	
Bullnose	3.00			3785.00	38.00 Bottom Packers & Anchor
Total Tool Length:		67.00			

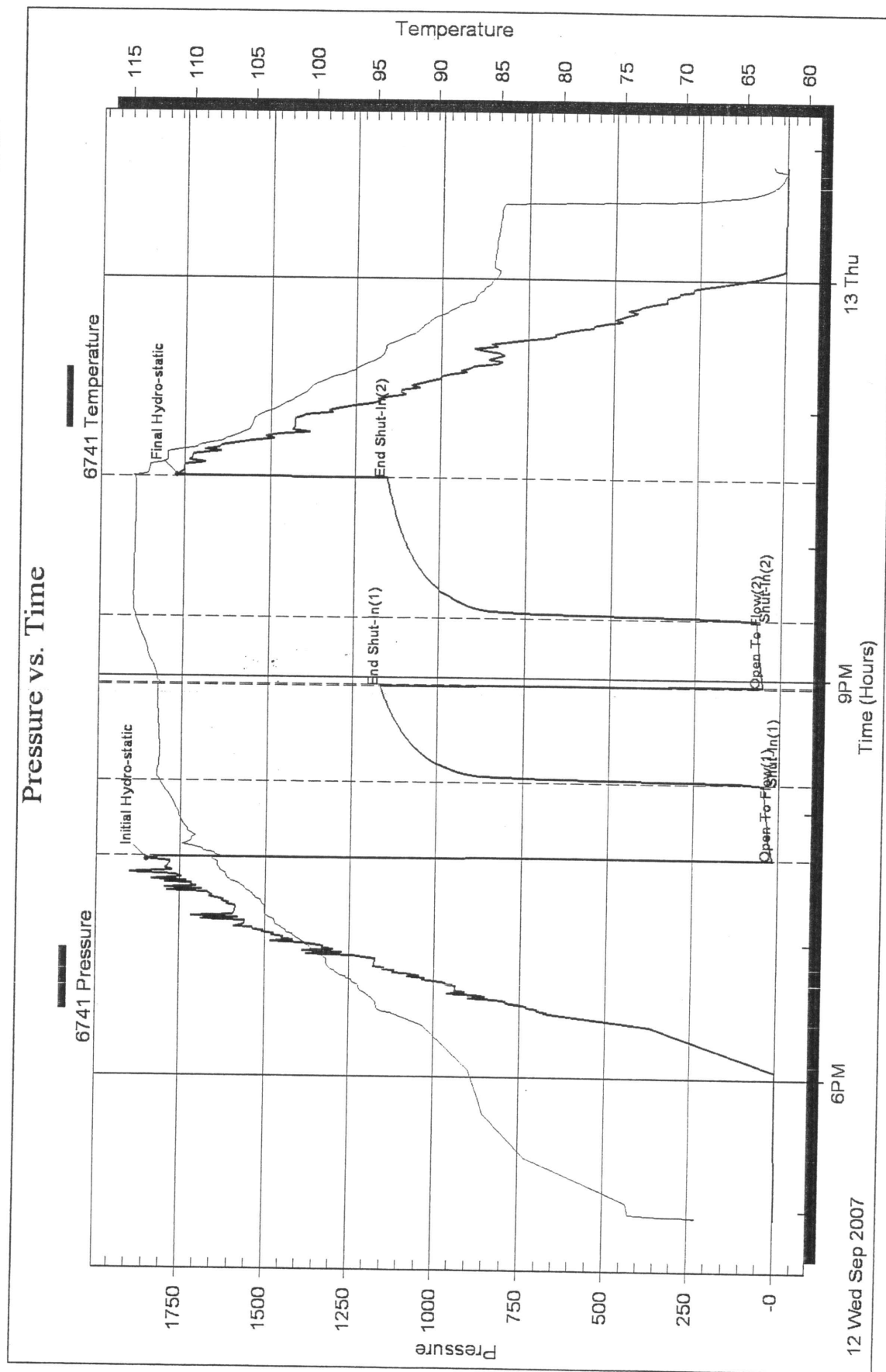
Serial #: 6741

Inside

Ohio Kentucky Oil Corporation

13 11 24 Trego KS

DST Test Number: 1



13-11-24W



DRILL STEM TEST REPORT

Prepared For: **Ohio Kentucky Oil Corporation**

110 Lowery Ln
Lexington KY 40503

ATTN:

13 11 24 Trego KS

Vreeland #4

Start Date: 2007.09.13 @ 17:40:42

End Date: 2007.09.14 @ 01:29:12

Job Ticket #: 28910 DST #: 2

RECEIVED
KANSAS CORPORATION COMMISSION

MAR 19 2008

CONSERVATION DIVISION
WICHITA, KS

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Ohio Kentucky Oil Corp

Vreeland #4

110 Low ery Ln
Lexington Ky 40503

13-11-24-Trego-Ks

Job Ticket: 28910

DST#: 2

ATTN:

Test Start: 2007.09.13 @ 17:40:42

GENERAL INFORMATION:

Formation: H-I L

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:45:22

Time Test Ended: 01:29:12

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: 3848.00 ft (KB) To 3901.00 ft (KB) (TVD)

Total Depth: 3901.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2362.00 ft (KB)

2354.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6741

Inside

Press@RunDepth: 19.91 psig @ 3851.00 ft (KB)

Start Date: 2007.09.13

End Date:

2007.09.14

Capacity: 7000.00 psig

Last Calib.: 2007.09.14

Start Time: 17:40:42

End Time:

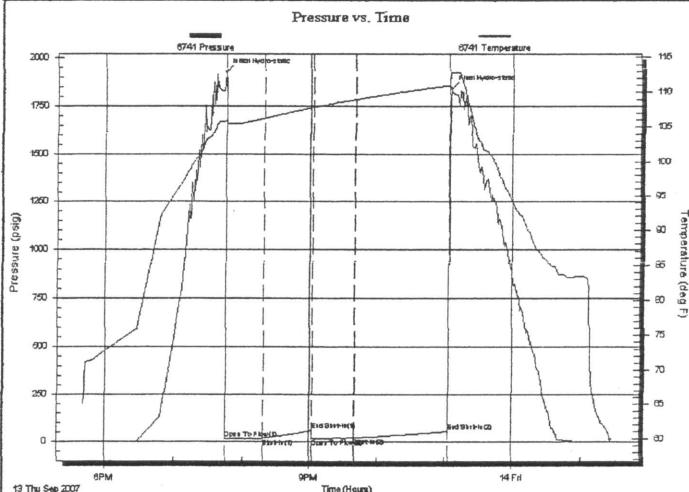
01:29:12

Time On Btm: 2007.09.13 @ 19:44:12

Time Off Btm: 2007.09.13 @ 23:05:12

TEST COMMENT: IF Weak died in 5 min

FF No blow



PRESSURE SUMMARY

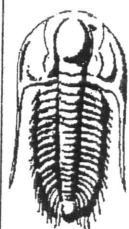
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1926.29	105.95	Initial Hydro-static
2	13.78	105.31	Open To Flow (1)
34	16.81	106.23	Shut-In(1)
78	61.59	107.84	End Shut-In(1)
78	16.91	107.83	Open To Flow (2)
117	19.91	108.96	Shut-In(2)
200	55.11	110.96	End Shut-In(2)
201	1841.81	112.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mUD	0.09

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ohio Kentucky Oil Corporation

Vreeland #4

110 Lowery Ln
Lexington KY 40503

13 11 24 Trego KS

Job Ticket: 28910

DST#: 2

ATTN:

Test Start: 2007.09.13 @ 17:40:42

Tool Information

Drill Pipe:	Length: 3823.00 ft	Diameter: 4.21 inches	Volume: 65.82 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 65.82 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3848.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	82.00 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			3820.00	
Shut In Tool	5.00			3825.00	
Hydraulic tool	5.00			3830.00	
Jars	5.00			3835.00	
Safety Joint	3.00			3838.00	
Packer	5.00			3843.00	29.00 Bottom Of Top Packer
Packer	5.00			3848.00	
Stubb	1.00			3849.00	
Perforations	1.00			3850.00	
Change Over Sub	1.00			3851.00	
Recorder	0.00	6741	Inside	3851.00	
Drill Pipe	31.00			3882.00	
Change Over Sub	1.00			3883.00	
Recorder	0.00	13254	Outside	3883.00	
Perforations	15.00			3898.00	
Bullnose	3.00			3901.00	53.00 Bottom Packers & Anchor
Total Tool Length:	82.00				

Serial #: 6741

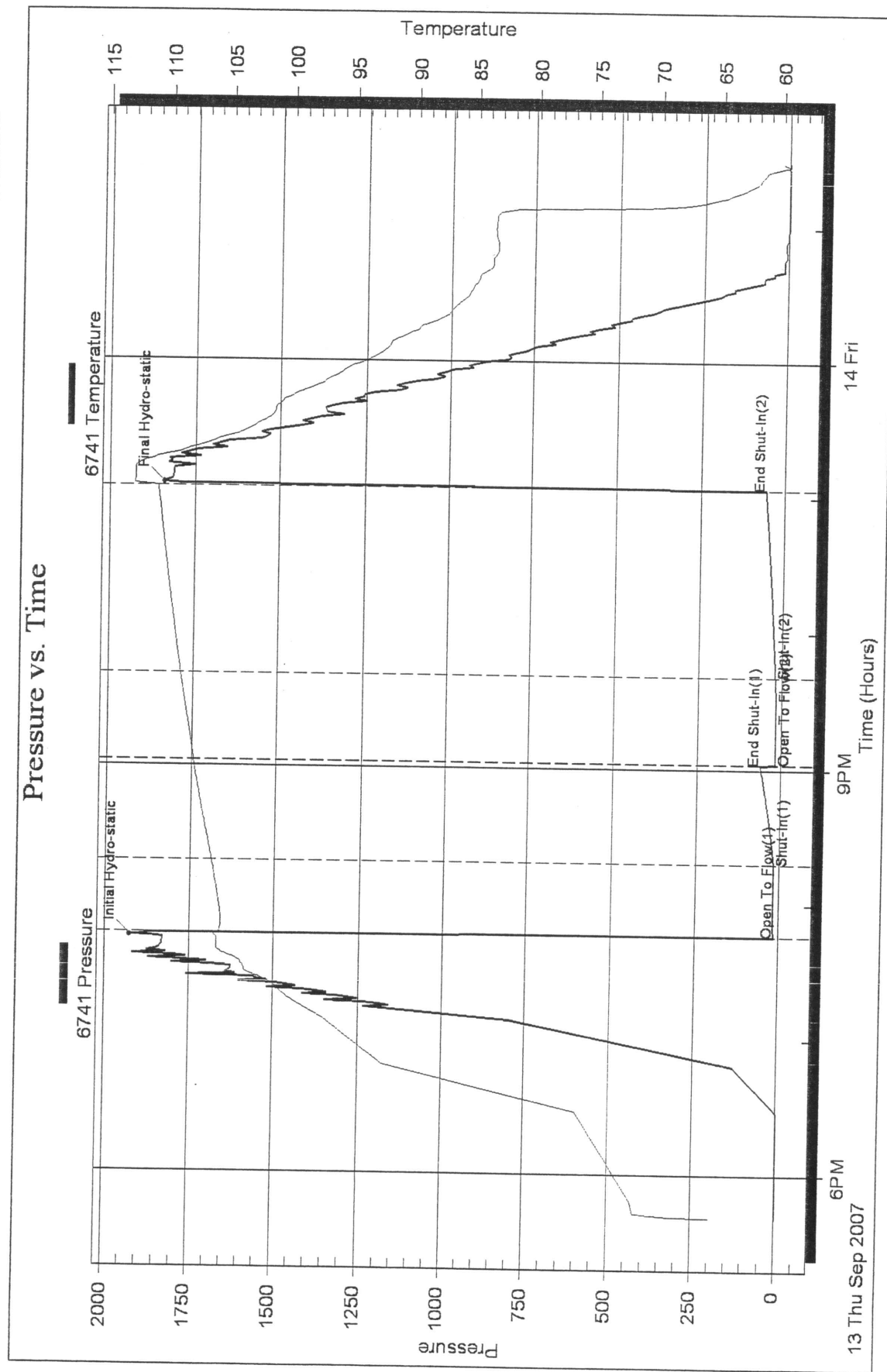
Inside

Ohio Kentucky Oil Corporation

13 11 24 Trego KS

DST Test Number: 2

Pressure vs. Time

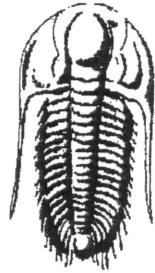


Trilobite Testing, Inc

Ref. No: 28910

Printed: 2007.09.18 @ 11:01:10 Page 5

13-11-24W



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Ohio Kentucky Oil Corporation**

110 Lowery Ln
Lexington KY 40503

ATTN:

13 11 24 Trego KS

Vreeland #4

Start Date: 2007.09.14 @ 08:36:40

End Date: 2007.09.14 @ 17:32:10

Job Ticket #: 28911 DST #: 3

RECEIVED
KANSAS CORPORATION COMMISSION

MAR 19 2008

CONSERVATION DIVISION
WICHITA, KS

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Ohio Kentucky Oil Corp

110 Low ery Ln
Lexington Ky 40503

ATTN:

Vreeland #4

13-11-24-Trego-Ks

Job Ticket: 28911

DST#: 3

Test Start: 2007.09.14 @ 08:36:40

GENERAL INFORMATION:

Formation: J LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:47:00

Time Test Ended: 17:32:10

Interval: 3895.00 ft (KB) To 3920.00 ft (KB) (TVD)

Total Depth: 3920.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Reference Elevations: 2362.00 ft (KB)

2354.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6741

Inside

Press@RunDepth: 378.17 psig @ 3896.00 ft (KB)

Start Date: 2007.09.14

End Date:

2007.09.14

Start Time: 08:36:40

End Time:

17:32:10

Capacity: 7000.00 psig

Last Calib.: 2007.09.14

Time On Btm: 2007.09.14 @ 10:42:30

Time Off Btm: 2007.09.14 @ 13:43:25

TEST COMMENT: IF-Strong B-B in 10 sec
IS-Strong B-B in 6 min
FF-Strong B-B in 50 sec
FSI-Weak building to 6"

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1938.29	103.79	Initial Hydro-static
5	233.73	121.99	Open To Flow (1)
14	305.17	122.61	Shut-In(1)
74	471.36	118.97	End Shut-In(1)
75	324.22	119.18	Open To Flow (2)
90	378.17	122.30	Shut-In(2)
180	444.11	120.10	End Shut-In(2)
181	1873.92	118.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1364.00	CGsyO 30%g 70%o	23.48
0.00	1675 GIP	0.00

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ohio Kentucky Oil Corporation

Vreeland #4

110 Low eryl Ln
Lexington KY 40503

13 11 24 Trego KS

Job Ticket: 28911

DST#: 3

ATTN:

Test Start: 2007.09.14 @ 08:36:40

Tool Information

Drill Pipe:	Length: 3885.00 ft	Diameter: 4.21 inches	Volume: 66.89 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 66.89 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3895.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	54.00 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			3867.00	
Shut In Tool	5.00			3872.00	
Hydraulic tool	5.00			3877.00	
Jars	5.00			3882.00	
Safety Joint	3.00			3885.00	
Packer	5.00			3890.00	29.00 Bottom Of Top Packer
Packer	5.00			3895.00	
Stubb	1.00			3896.00	
Recorder	0.00	6741	Inside	3896.00	
Perforations	21.00			3917.00	
Recorder	0.00	13254	Outside	3917.00	
Bullnose	3.00			3920.00	25.00 Bottom Packers & Anchor

Total Tool Length: 54.00

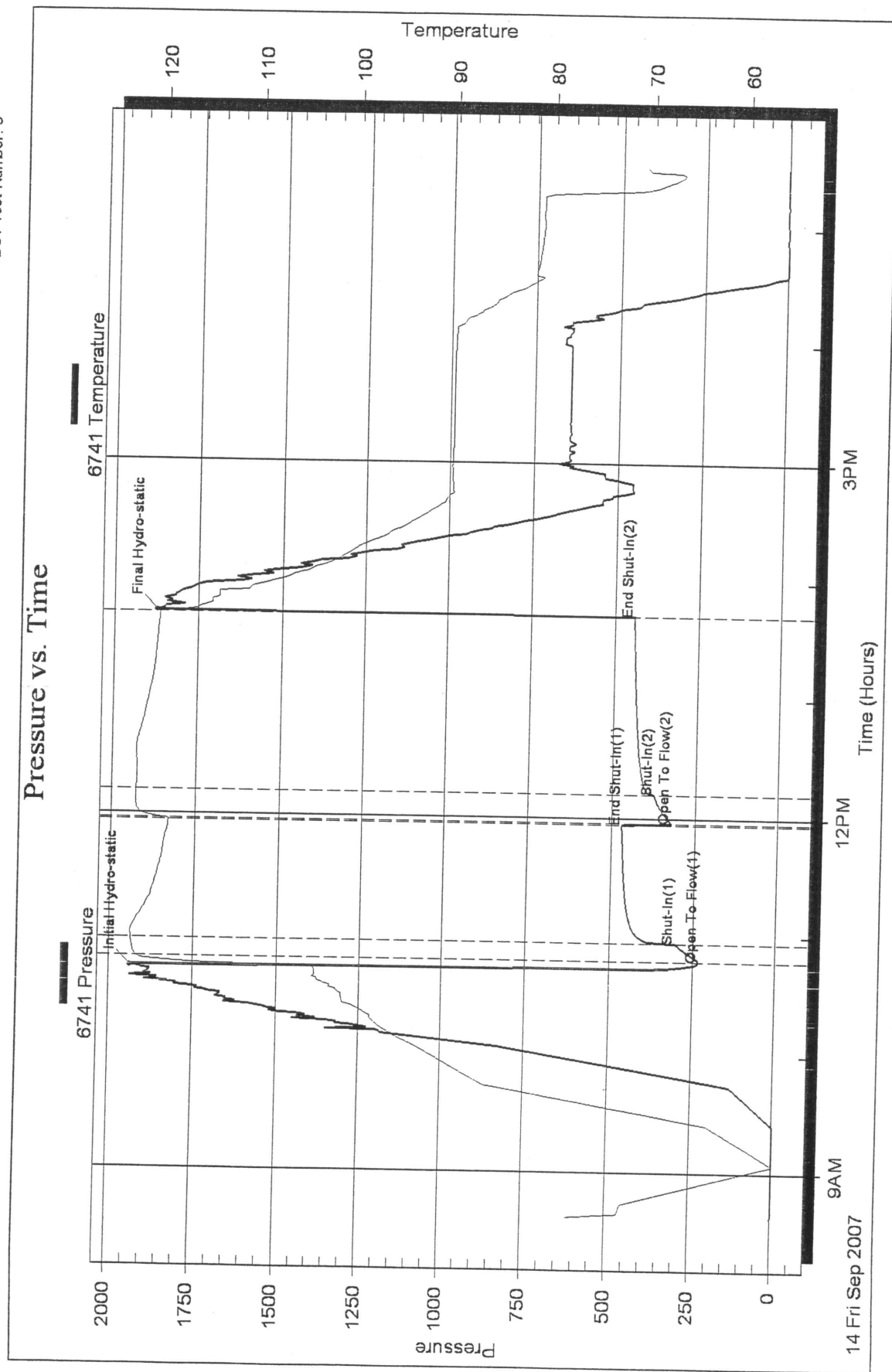
Serial #: 6741

Inside

Ohio Kentucky Oil Corporation

13 11 24 Trego KS

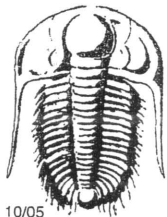
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 28911

Printed: 2007.09.18 @ 11:10:02 Page 5



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

RECEIVED
KANSAS CORPORATION COMMISSION

MAR 19 2008

CONSERVATION DIVISION
WICHITA, KS

28909

RECEIVED
SEP 13 2007

BY: _____

Test Ticket

Well Name & No. <u>Irreland #4</u>	Test No. <u>1</u>	Date <u>9-12-07</u>
Company <u>Ohio Kentucky Oil Corp</u>	Zone Tested <u>B-C</u>	<u>hkc</u>
Address <u>110 Lowry Ln Lexington, Ky 40503</u>	Elevation <u>2362</u> KB <u>2354</u>	GL
Co. Rep / Geo. <u>Jim Hall</u>	Rig <u>Am Eagle #1</u>	
Location: Sec. <u>13</u> Twp. <u>11</u> Rge. <u>24</u>	Co. <u>Frego</u>	State <u>Ks</u>
Comment: _____	Release date / time: _____	

Interval Tested <u>3747</u> — <u>3785</u>	Initial Str Wt./Lbs. <u>48,000</u>	Unseated Str Wt./Lbs. <u>48,000</u>
Anchor Length <u>38</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>28,000</u>
Top Packer Depth <u>3742</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>3747</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>3785</u>	Wt. Pipe Run _____	Drill Collar Run _____
Mud Wt. <u>9</u> LCM _____ Vis. <u>52</u> WL <u>8.4</u>	Drill Pipe Size <u>5"</u>	Ft. Run <u>37.32</u>
Blow Description <u>F.F. weak-building to 1 1/2"</u>		
<u>F.F. weak-building to 1/2"</u>		

Recovery - Total Feet <u>120</u>	GIP _____	Ft. in DC _____	Ft. in DP <u>120</u>
Rec. <u>60</u>	Feet of <u>OC Muddy WTR</u>	%gas <u>5</u> %oil <u>65</u> %water <u>30</u> %mud	
Rec. <u>60</u>	Feet of <u>mdy WTR</u>	%gas _____ %oil <u>80</u> %water <u>20</u> %mud	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud	
BHT <u>114</u>	*F Gravity _____	*API D @ _____	*F Corrected Gravity _____
RW <u>1.10</u> @ <u>80</u> *F	Chlorides <u>65000</u> ppm	Recovery _____	Chlorides <u>2000</u> ppm System

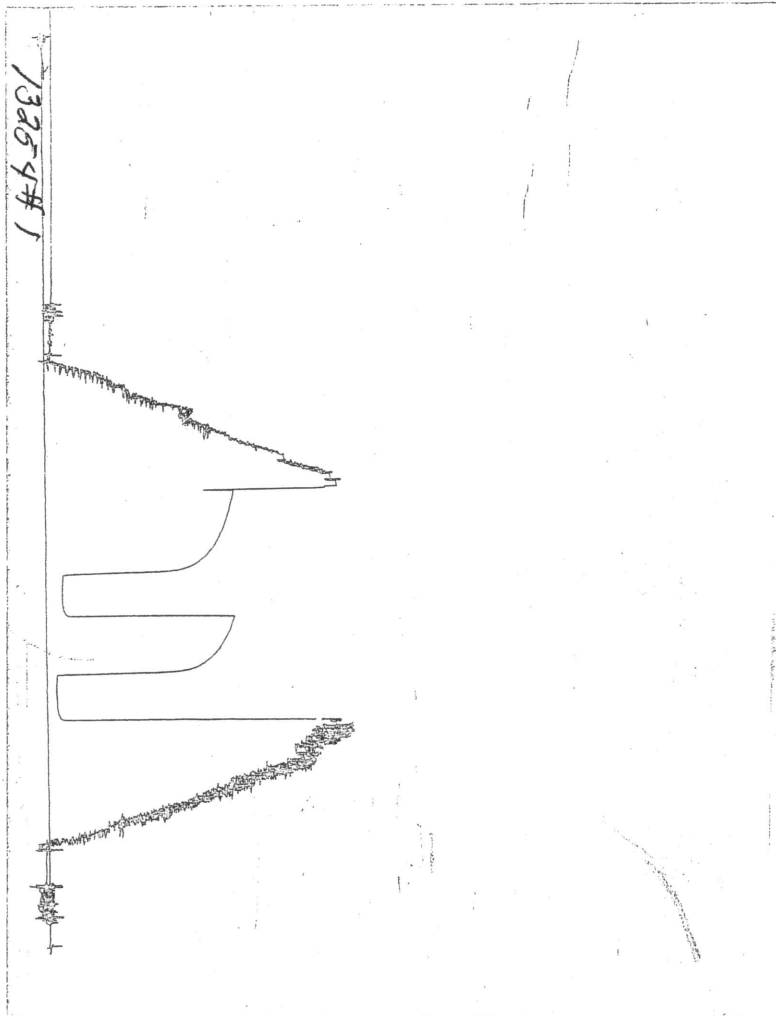
(A) Initial Hydrostatic Mud	<u>1848</u> PSI	Recorder No. <u>6741</u>	Test <u>100</u>
(B) First Initial Flow Pressure	<u>14</u> PSI	(depth) <u>3748</u>	Jars <u>X</u> <u>250</u>
(C) First Final Flow Pressure	<u>43</u> PSI	Recorder No. <u>13254</u>	Safety Jt. <u>X</u> <u>75</u>
(D) Initial Shut-In Pressure	<u>1168</u> PSI	(depth) <u>3782</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>51</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>71</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1154</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1773</u> PSI	Initial Shut-In <u>45</u>	Shale Packer <u>X</u> <u>250</u>
		Final Flow <u>30</u>	Ruined Packer _____
		Final Shut-In <u>60</u>	Mileage <u>96 RT 240</u>
		T-On Location <u>16' 15"</u>	Sub Total: <u>1915</u>
		T-Started <u>16:56</u>	Std. By _____
		T-Open <u>19:40</u>	Acc. Chg: _____
		T-Pulled <u>22:25</u>	Other: _____
		T-Out <u>00:52</u>	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 Jim Hall
Our Representative Don Baugh

CHART PAGE

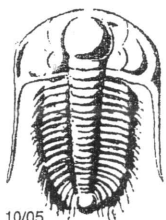
This is a photocopy of the actual AK-1 recorder chart



RECEIVED
KANSAS CORPORATION COMMISSION

MAR 19 2008

CONSERVATION DIVISION
WICHITA, KS



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28910
RECEIVED
#12108
SEP 14 2007

BY: _____

Test Ticket

Well Name & No. <u>Freeland #4</u>	Test No. <u>2</u>	Date <u>9-13-07</u>
Company <u>Ohio Kentucky Oil Corp</u>	Zone Tested <u>H-I LKC</u>	
Address _____	Elevation <u>2362</u> KB <u>2354</u> GL	
Co. Rep / Geo. <u>Jim Hall</u>	Rig <u>Am Eagle #1</u>	
Location: Sec. <u>13</u> Twp. <u>11</u> Rge. <u>24</u>	Co. <u>Trego</u> State <u>KS</u>	
Comment: _____	Release date / time: _____	

Interval Tested 3848 — 3901 Initial Str Wt./Lbs. 49000 Unseated Str Wt./Lbs. 49000
 Anchor Length 5.3 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 55000
 Top Packer Depth 3843 Tool Weight 2000
 Bottom Packer Depth 3848 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3901 Wt. Pipe Run _____ Drill Collar Run _____
 Mud Wt. 9.1 LCM _____ Vis. 51 WL 8.8 Drill Pipe Size 5" Ft. Run 3823
 Blow Description I.F. Weak. died in 5 min.

F.F. No blow

Recovery - Total Feet 5 GIP RECEIVED Ft. in DC _____ Ft. in DP 5
 Rec. 5 Feet of mo KANSAS CORPORATION COMMISSION %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ MAR 19 2008 %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ CONSERVATION DIVISION %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ WICHITA, KS %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 110 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1600 ppm System

AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1926</u> PSI	Recorder No. <u>6741</u>	Test <u>1100</u>
(B) First Initial Flow Pressure	<u>13</u> PSI	(depth) <u>3851</u>	Jars <u>X</u> <u>250</u>
(C) First Final Flow Pressure	<u>16</u> PSI	Recorder No. <u>13254</u>	Safety Jt. <u>X</u> <u>75</u>
(D) Initial Shut-In Pressure	<u>61</u> PSI	(depth) <u>3883</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>16</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>19</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>55</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1841</u> PSI	Initial Shut-In <u>45</u>	Shale Packer <u>X</u> <u>250</u>
		Final Flow <u>30</u>	Ruined Packer _____
		Final Shut-In <u>90</u>	Mileage <u>96 RT 240</u>
		T-On Location <u>17.00</u>	Sub Total: <u>1915</u>
		T-Started <u>17:40</u>	Std. By _____
		T-Open <u>19:45</u>	Acc. Chg: _____
		T-Pulled <u>23.00</u>	Other: _____
		T-Out <u>01:29</u>	Total: _____

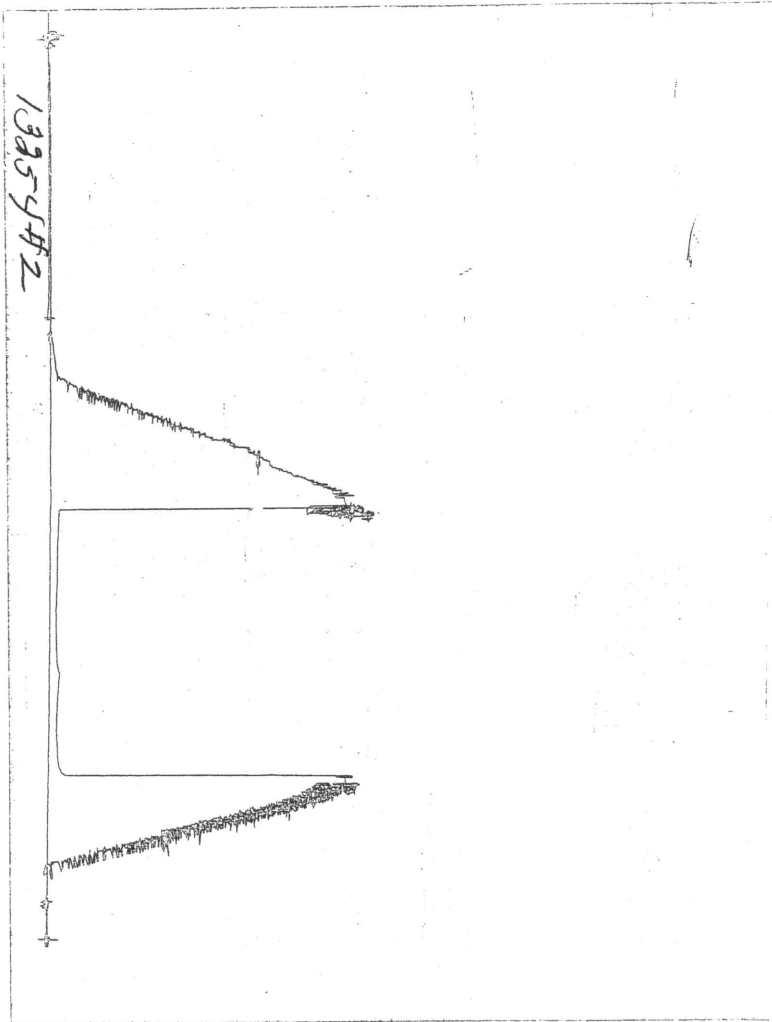
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By Jim Hall

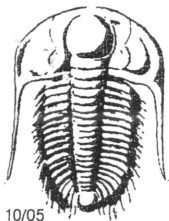
Our Representative Don Bangle

CHART PAGE

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



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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

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BY: _____

Test Ticket

Well Name & No. <u>Vreeland #4</u>	Test No. <u>3</u>	Date <u>9-14-07</u>
Company <u>Ohio Kentucky Oil Corp</u>	Zone Tested <u>I</u>	<u>LKC</u>
Address _____	Elevation <u>2362</u>	KB <u>2354</u> GL
Co. Rep / Geo. <u>Jim Hall</u>	Rig <u>Am Eagle #1</u>	
Location: Sec. <u>13</u> Twp. <u>11</u> Rge. <u>24</u>	Co. <u>Trego</u>	State <u>Ks</u>
Comment: _____	Release date / time: _____	

Interval Tested <u>3895</u> — <u>3920</u>	Initial Str Wt./Lbs. <u>49000</u>	Unseated Str Wt./Lbs. <u>53000</u>
Anchor Length <u>25</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>60000</u>
Top Packer Depth <u>3890</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>3895</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>3920</u>	Wt. Pipe Run _____	Drill Collar Run _____
Mud Wt. <u>9.1</u> LCM _____ Vis. <u>51</u> WL <u>8.8</u>	Drill Pipe Size <u>5"</u>	Ft. Run <u>3885</u>
Blow Description <u>I.F. Strong B-B in 10 sec</u>		
<u>ISI- Strong B-B in 6 min.</u>		
<u>E.F. Strong B-B in 50 Sec.</u>		
<u>EST- wear- building to 6"</u>		
Recovery - Total Feet <u>1364</u>	GIP <u>1675</u>	Ft. in DC _____
Rec. <u>1364</u>	Feet of <u>CG540</u>	Ft. in DP <u>1364</u>
Rec. _____	Feet of _____	%gas <u>70</u> %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 <u>120</u>	°F Gravity _____	°F Corrected Gravity <u>34</u> °API
RW _____ @ _____ °F	Chlorides _____ ppm Recovery _____	Chlorides <u>1600</u> ppm System

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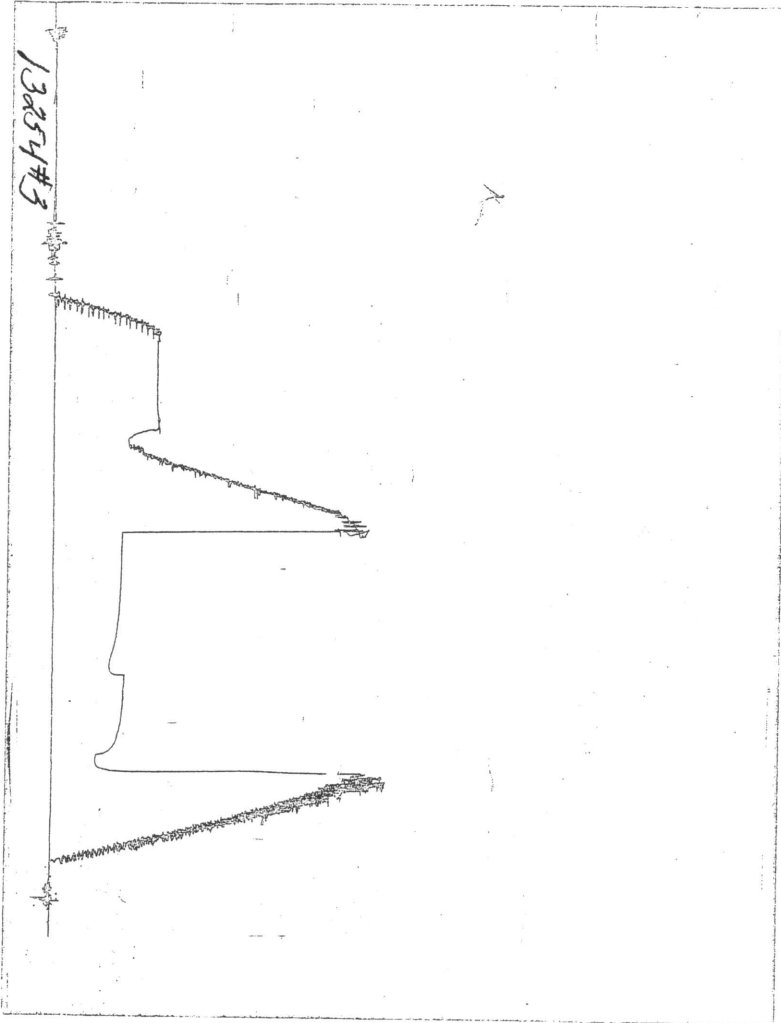
(A) Initial Hydrostatic Mud	AK-1 <u>1938</u> PSI	Alpine	Recorder No. <u>6741</u>	Test <u>1100</u>
(B) First Initial Flow Pressure	<u>233</u> PSI		(depth) <u>3896</u>	Jars <u>X</u> <u>250</u>
(C) First Final Flow Pressure	<u>305</u> PSI		Recorder No. <u>13254</u>	Safety Jt. <u>X</u> <u>75</u>
(D) Initial Shut-In Pressure	<u>471</u> PSI		(depth) <u>3917</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>324</u> PSI		Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>378</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>444</u> PSI	Initial Opening <u>15</u>		Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1873</u> PSI	Initial Shut-In <u>60</u>		Shale Packer <u>X</u> <u>250</u>
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.		Final Flow <u>15</u>		Ruined Packer _____
		Final Shut-In <u>90</u>		Mileage <u>96 RT</u> <u>240</u>
		T-On Location <u>08:15</u>		Sub Total: <u>1915</u>
		T-Started <u>08:36</u>		Std. By <u>25</u>
		T-Open <u>10:42</u>		Acc. Chg: <u>1740</u>
		T-Pulled <u>13:42</u>		Other: _____
		T-Out <u>17:32</u>		Total: _____

Approved By Jim Hall

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