



DRILL STEM TEST REPORT

Prepared For: **DK Operating Inc**

24583 NW 208 Dr.
Jetmore, KS 67854

ATTN: Jason Alm

Uehling Trust #1-1

1-21s-23w Hodgeman,KS

Start Date: 2012.07.10 @ 14:26:00

End Date: 2012.07.10 @ 19:30:15

Job Ticket #: 48356 DST #: 1

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

Printed: 2012.07.19 @ 15:14:32

DK Operating Inc
1-21s-23w Hodgeman,KS
Uehling Trust #1-1
DST # 1
Fort Scott
2012.07.10



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

DK Operating Inc
24583 NW 208 Dr.
Jetmore, KS 67854
ATTN: Jason Alm

1-21s-23w Hodgeman,KS
Uehling Trust #1-1
Job Ticket: 48356 **DST#: 1**
Test Start: 2012.07.10 @ 14:26:00

Tool Information

Drill Pipe:	Length: 4282.00 ft	Diameter: 3.80 inches	Volume: 60.07 bbl	Tool Weight: 1500.00 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 60.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4307.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	73.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Stubb	1.00			4288.00	
Shut In Tool	5.00			4293.00	
Hydraulic tool	5.00			4298.00	
Packer	5.00			4303.00	20.00 Bottom Of Top Packer
Packer	4.00			4307.00	
Stubb	1.00			4308.00	
Recorder	0.00	8373	Inside	4308.00	
Recorder	0.00	8356	Outside	4308.00	
Perforations	13.00			4321.00	
Change Over Sub	1.00			4322.00	
Drill Pipe	32.00			4354.00	
Change Over Sub	1.00			4355.00	
Bullnose	5.00			4360.00	53.00 Bottom Packers & Anchor

Total Tool Length: 73.00



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DK Operating Inc
24583 NW 208 Dr.
Jetmore, KS 67854
ATTN: Jason Alm

1-21s-23w Hodgeman, KS
Uehling Trust #1-1
Job Ticket: 48356 **DST#: 1**
Test Start: 2012.07.10 @ 14:26:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.18 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: 1.00 inches		

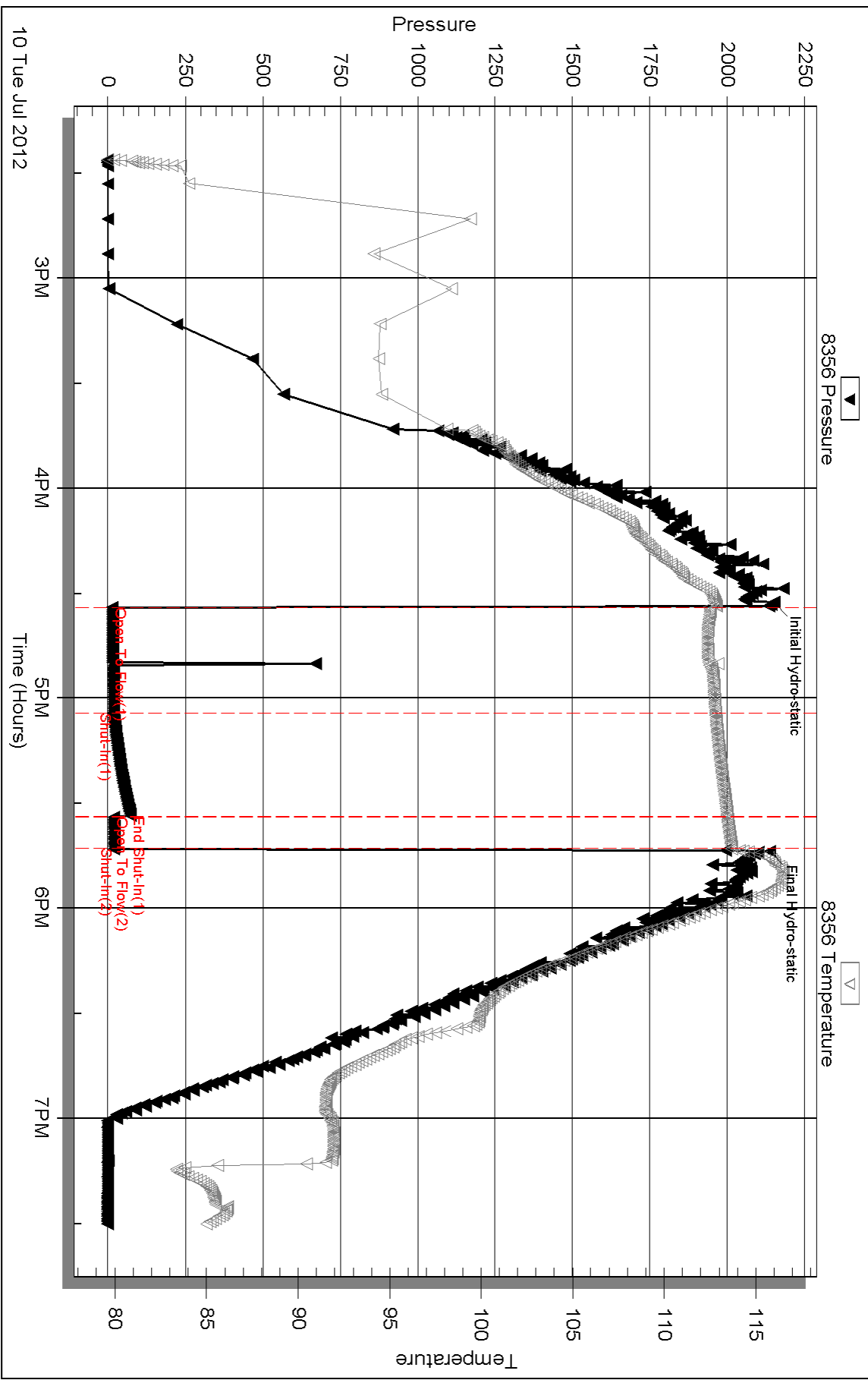
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time



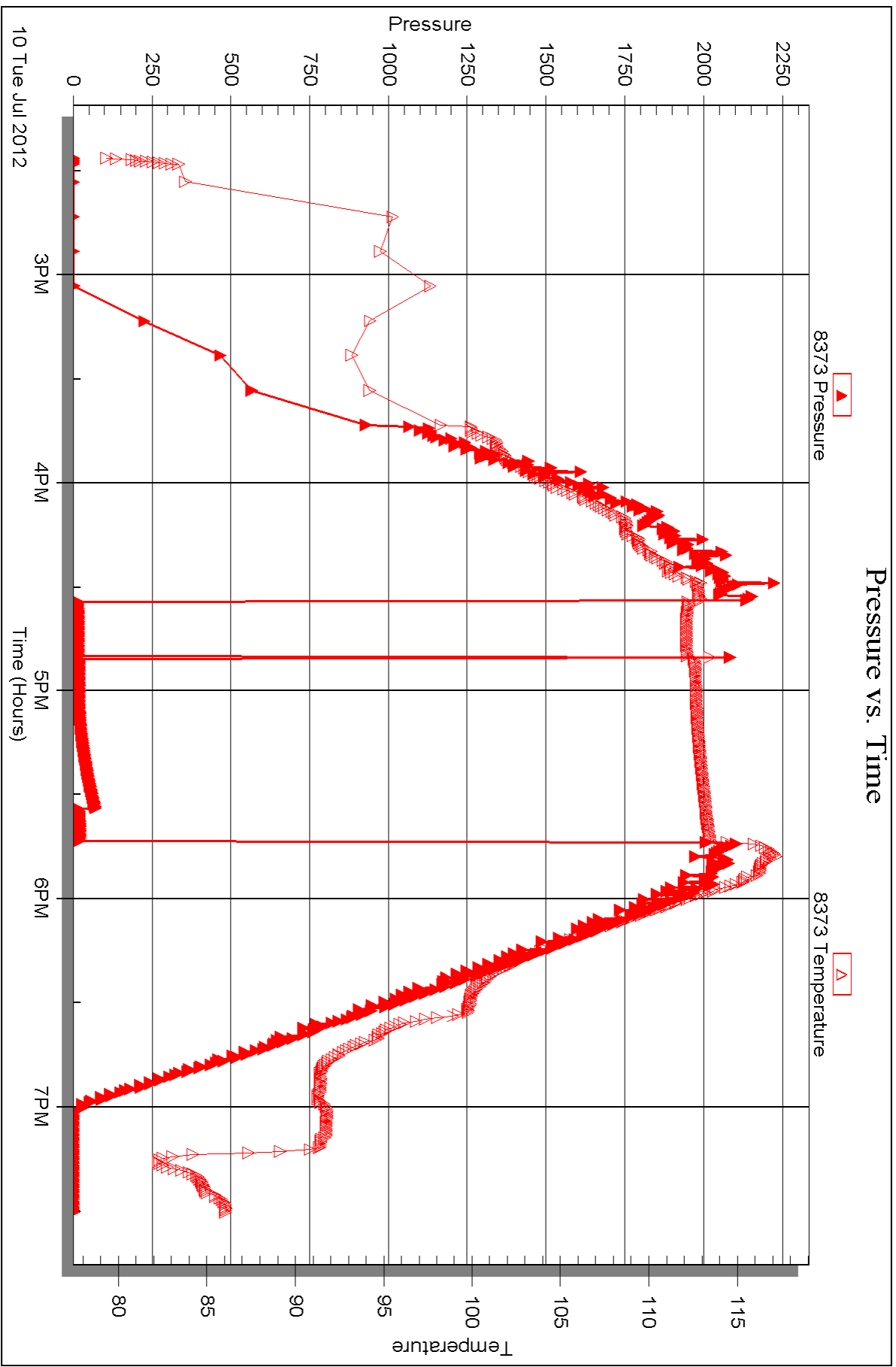
Serial #: 8373

Inside

DK Operating Inc

Uehling Trust #1-1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **DK Operating Inc**

24583 NW 208 Dr.
Jetmore, KS 67854

ATTN: Jason Alm

Uehling Trust #1-1

1-21s-23w Hodgeman,KS

Start Date: 2012.07.11 @ 06:47:11

End Date: 2012.07.11 @ 12:39:56

Job Ticket #: 48357 DST #: 2

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

Printed: 2012.07.19 @ 15:13:48



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

DK Operating Inc
24583 NW 208 Dr.
Jetmore, KS 67854
ATTN: Jason Alm

1-21s-23w Hodgeman,KS
Uehling Trust #1-1
Job Ticket: 48357 **DST#: 2**
Test Start: 2012.07.11 @ 06:47:11

Tool Information

Drill Pipe:	Length: 4408.00 ft	Diameter: 3.80 inches	Volume: 61.83 bbl	Tool Weight: 1500.00 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 61.98 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4437.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.00 ft			
Tool Length:	36.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Stubb	1.00			4410.00	
Shut In Tool	5.00			4415.00	
Hydraulic tool	5.00			4420.00	
Jars	5.00			4425.00	
Safety Joint	3.00			4428.00	
Packer	5.00			4433.00	28.00 Bottom Of Top Packer
Packer	4.00			4437.00	
Stubb	1.00			4438.00	
Recorder	0.00	8373	Inside	4438.00	
Recorder	0.00	8356	Outside	4438.00	
Perforations	2.00			4440.00	
Bullnose	5.00			4445.00	8.00 Bottom Packers & Anchor

Total Tool Length: 36.00



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Jetmore, KS 67854
ATTN: Jason Alm

1-21s-23w Hodgeman,KS
Uehling Trust #1-1
Job Ticket: 48357 **DST#: 2**
Test Start: 2012.07.11 @ 06:47:11

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 31 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.18 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: 1.00 inches		

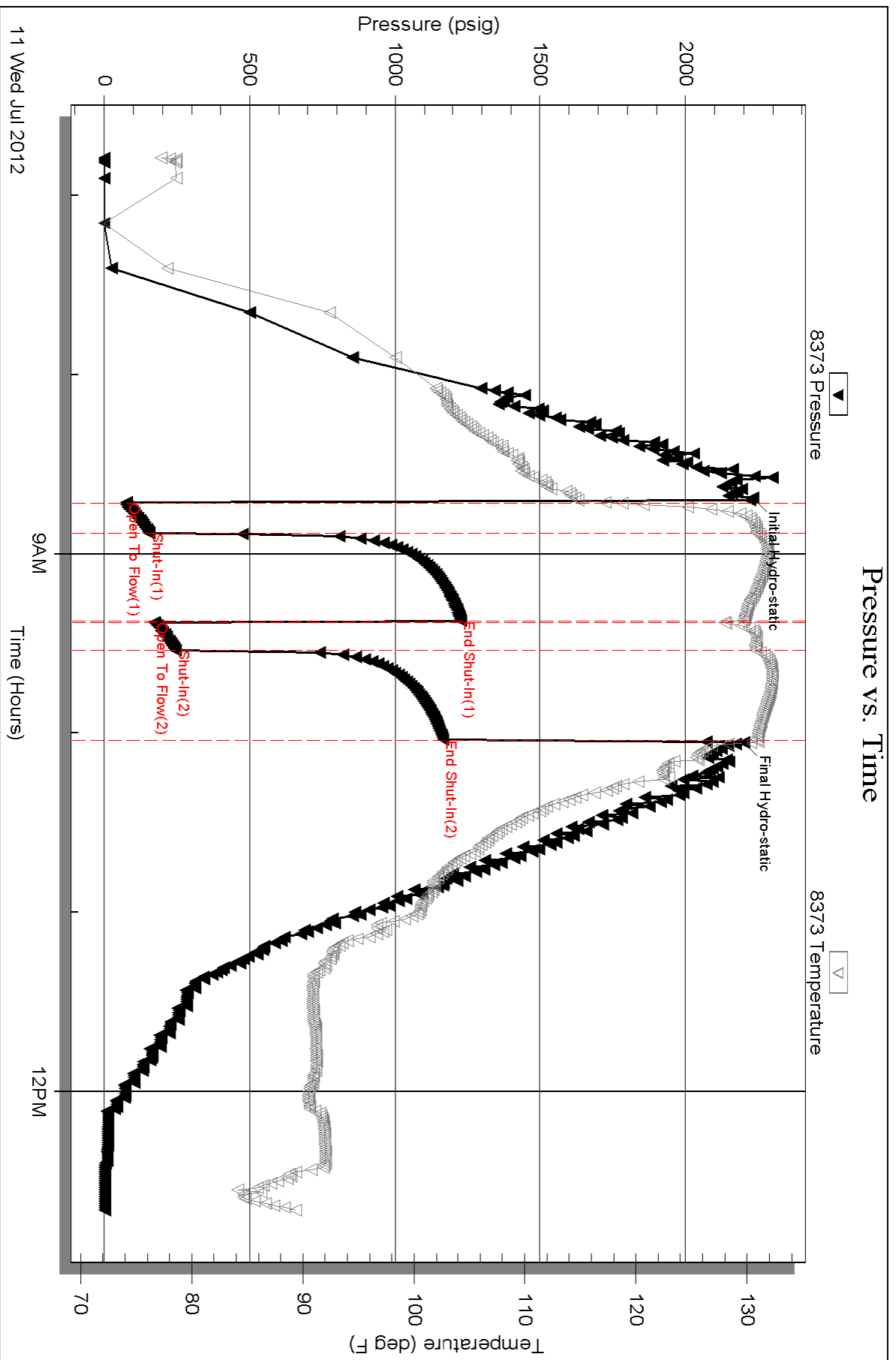
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	w mcgo 10%g 65%o 5%w 20%m	0.587
248.00	mcgo 20%g 75%o 5%m	3.479
288.00	go 20%g 80%o	4.040

Total Length: 598.00 ft Total Volume: 8.106 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 35@100=31

Pressure vs. Time

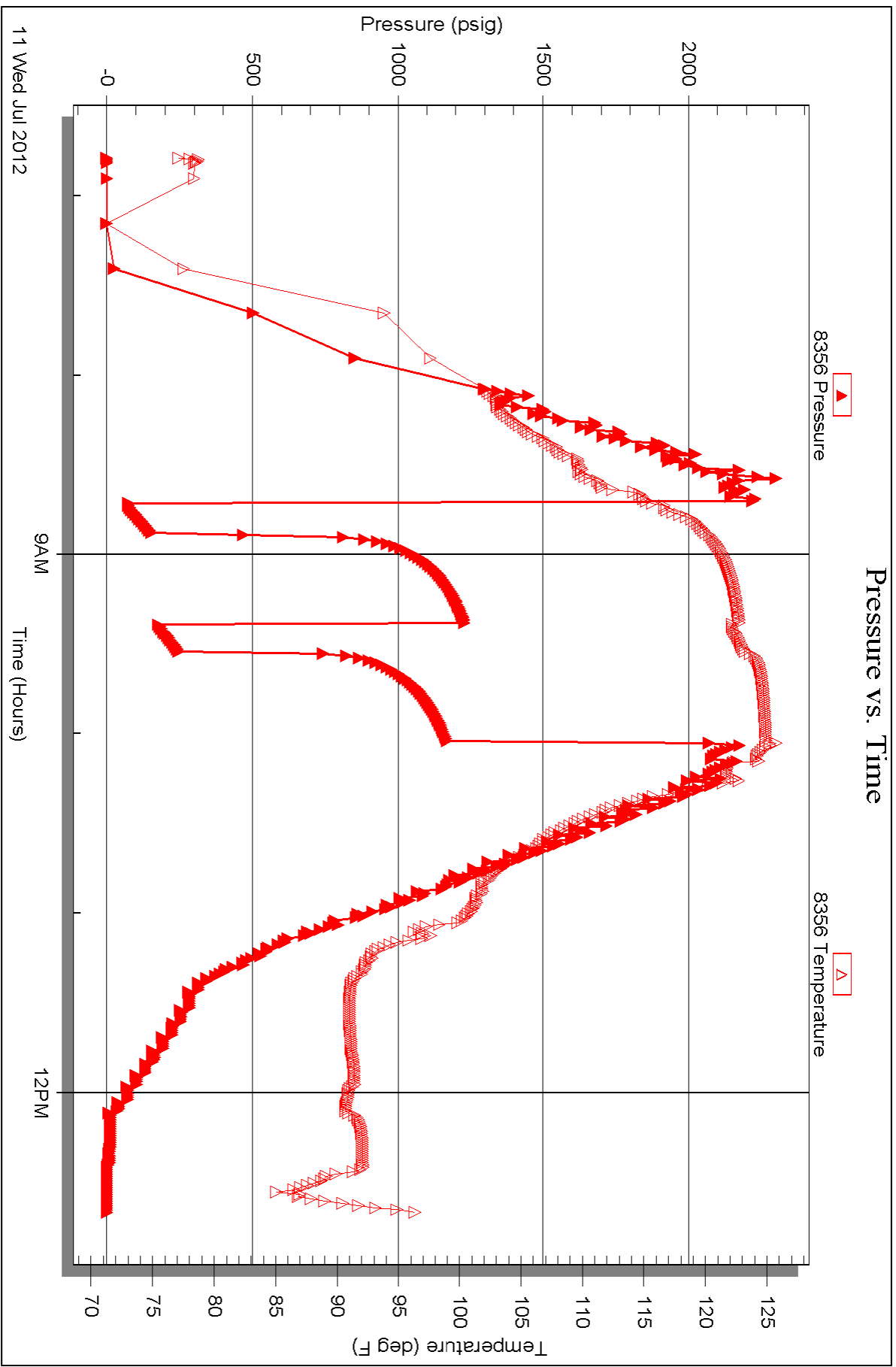


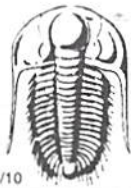
Serial #: 8356

Outside DK Operating Inc

Uehling Trust #1-1

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48356

Well Name & No. Yehling Trust #1-1 Test No. 1 Date 7-10-12
 Company DK Operating INC Elevation 2252 KB 2244 GL
 Address 24583 NW 208 Dr. Jetmore, KS 67854
 Co. Rep / Geo. JASON Alm Rig Discovery #3
 Location: Sec. 1 Twp. 215 Rge. 23W Co. Hodgeman State KS

Interval Tested 4307 4360 Zone Tested Fort Scott
 Anchor Length 53 Drill Pipe Run 4282 Mud Wt. 9.0
 Top Packer Depth 4362 Drill Collars Run 31 Vis 54
 Bottom Packer Depth 4307 Wt. Pipe Run — WL 10.2
 Total Depth 4360 Chlorides 3000 ppm System LCM 2


Blow Description IF: surface blow died in 8 min. Flushed tool work blow that died. IS: No return.
FF: No blow, pulled tool,

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>mud</u>			<u>100</u>	
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

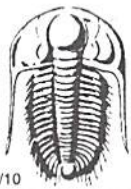
Rec Total 5 BHT 113 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2149 Test 1250 T-On Location 13:00
 (B) First Initial Flow 14 Jars T-Started 14:26
 (C) First Final Flow 19 Safety Joint T-Open 16:33
 (D) Initial Shut-In 74 Circ Sub N/C T-Pulled 17:43
 (E) Second Initial Flow 19 Hourly Standby T-Out 19:30
 (F) Second Final Flow 20 Mileage 154- 238.70 Comments
 (G) Final Shut-In — Sampler
 (H) Final Hydrostatic 2137 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Day Standby Total 1488.70
 Accessibility MP/DST Disc't

Sub Total 1488.70

Approved By _____ Our Representative 

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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48357

Well Name & No. Uehling Trust #1-1 Test No. 2 Date 7-11-12
 Company DK operating INC Elevation 2252 KB 2244 GL
 Address _____
 Co. Rep / Geo. Jason Alm Rig Discovery #3
 Location: Sec. 1 Twp. 215 Rge. 23W Co. Hodgeman State KS

Interval Tested 4437 4445 Zone Tested Miss
 Anchor Length 8 Drill Pipe Run 4408 Mud Wt. 9.0
 Top Packer Depth 4432 Drill Collars Run 31 Vis 54
 Bottom Packer Depth 4437 Wt. Pipe Run — WL 10.2
 Total Depth 4445 Chlorides 3000 ppm System LCM 2

Blow Description IF: BoB in 2 min.
IS: surface blow built to 2 in 30 min.
FF: BoB in 3 min.
FSI surface blow built to 2 in 30 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>288</u>	<u>90</u>	<u>20</u>	<u>80</u>		
<u>288 248</u>	<u>mc90</u>	<u>20</u>	<u>75</u>		<u>5</u>
<u>62</u>	<u>wmc90</u>	<u>10</u>	<u>65</u>	<u>5</u>	<u>20</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 598 BHT 130 Gravity 31 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2231</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>5:45</u>
(B) First Initial Flow <u>76</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>6:47</u>
(C) First Final Flow <u>154</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>8:41</u>
(D) Initial Shut-In <u>1227</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>10:01</u>
(E) Second Initial Flow <u>171</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>12:45</u>
(F) Second Final Flow <u>244</u>	<input checked="" type="checkbox"/> Mileage <u>154-</u> 238.70	Comments _____
(G) Final Shut-In <u>1166</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2199</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open <u>10</u>	<input type="checkbox"/> Shale Packer	<input checked="" type="checkbox"/> Ruined Packer 320
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>10</u>	<input type="checkbox"/> Extra Recorder	Sub Total _____
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>2133.70</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1813.70</u>	

Approved By [Signature] Our Representative [Signature]

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 of 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.