



## DRILL STEM TEST REPORT

Prepared For: **H&C Oil Operating Inc.**

PO Box 86  
Plainville KS 67663

ATTN: Marc Downing

**13-10-26 Sheridan,KS**

**Delbert Walt Trust #13-4**

Start Date: 2014.08.31 @ 16:05:00

End Date: 2014.09.01 @ 01:05:45

Job Ticket #: 53968                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.09.04 @ 13:58:59

H&C Oil Operating Inc.

Delbert Walt Trust #13-4

13-10-26 Sheridan,KS

DST # 1

KC "C-D"

2014.08.31



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

H&C Oil Operating Inc.

**Delbert Walt Trust #13-4**

PO Box 86  
Plainville KS 67663

**13-10-26 Sheridan,KS**

ATTN: Marc Downing

Job Ticket: 53968

**DST#: 1**

Test Start: 2014.08.31 @ 16:05:00

## GENERAL INFORMATION:

Formation: **KC "C-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:19:00

Time Test Ended: 01:05:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

**Interval: 3839.00 ft (KB) To 3880.00 ft (KB) (TVD)**

Reference Elevations: 2578.00 ft (KB)

Total Depth: 3880.00 ft (KB) (TVD)

2572.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 6.00 ft

**Serial #: 8957 Outside**

Press@RunDepth: 78.88 psig @ 3840.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.31

End Date:

2014.09.01

Last Calib.: 2014.09.01

Start Time: 16:05:05

End Time:

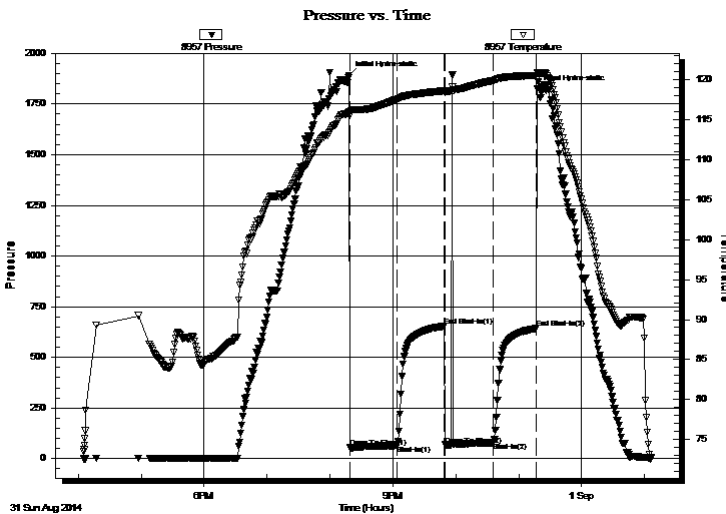
01:05:45

Time On Btm: 2014.08.31 @ 20:18:00

Time Off Btm: 2014.08.31 @ 23:17:45

TEST COMMENT: IF-1 1/4" blow  
IS-No blow  
FF- 1/2" blow  
FS-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1890.10	115.93	Initial Hydro-static
1	54.58	115.91	Open To Flow (1)
46	65.10	117.47	Shut-In(1)
91	654.49	118.57	End Shut-In(1)
92	66.73	118.44	Open To Flow (2)
138	78.88	119.83	Shut-In(2)
179	643.25	120.52	End Shut-In(2)
180	1823.59	120.83	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
85.00	OS Mud	0.92

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

H&C Oil Operating Inc.

**Delbert Walt Trust #13-4**

PO Box 86  
Plainville KS 67663

**13-10-26 Sheridan,KS**

Job Ticket: 53968

**DST#: 1**

ATTN: Marc Downing

Test Start: 2014.08.31 @ 16:05:00

## Tool Information

Drill Pipe:	Length: 3805.00 ft	Diameter: 3.80 inches	Volume: 53.37 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3839.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	61.00 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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Shut In Tool	5.00			3824.00	
Hydraulic tool	5.00			3829.00	
Packer	5.00			3834.00	20.00 Bottom Of Top Packer
Packer	5.00			3839.00	
Stubb	1.00			3840.00	
Recorder	0.00	8934	Inside	3840.00	
Recorder	0.00	8957	Outside	3840.00	
Perforations	4.00			3844.00	
Change Over Sub	1.00			3845.00	
Drill Pipe	31.00			3876.00	
Change Over Sub	1.00			3877.00	
Bullnose	3.00			3880.00	41.00 Bottom Packers & Anchor

**Total Tool Length: 61.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

H&C Oil Operating Inc.

**Delbert Walt Trust #13-4**

PO Box 86  
Plainville KS 67663

**13-10-26 Sheridan,KS**

Job Ticket: 53968

**DST#: 1**

ATTN: Marc Downing

Test Start: 2014.08.31 @ 16:05:00

## 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: 41.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
85.00	OS Mud	0.919

Total Length: 85.00 ft      Total Volume: 0.919 bbl

Num Fluid Samples: 0

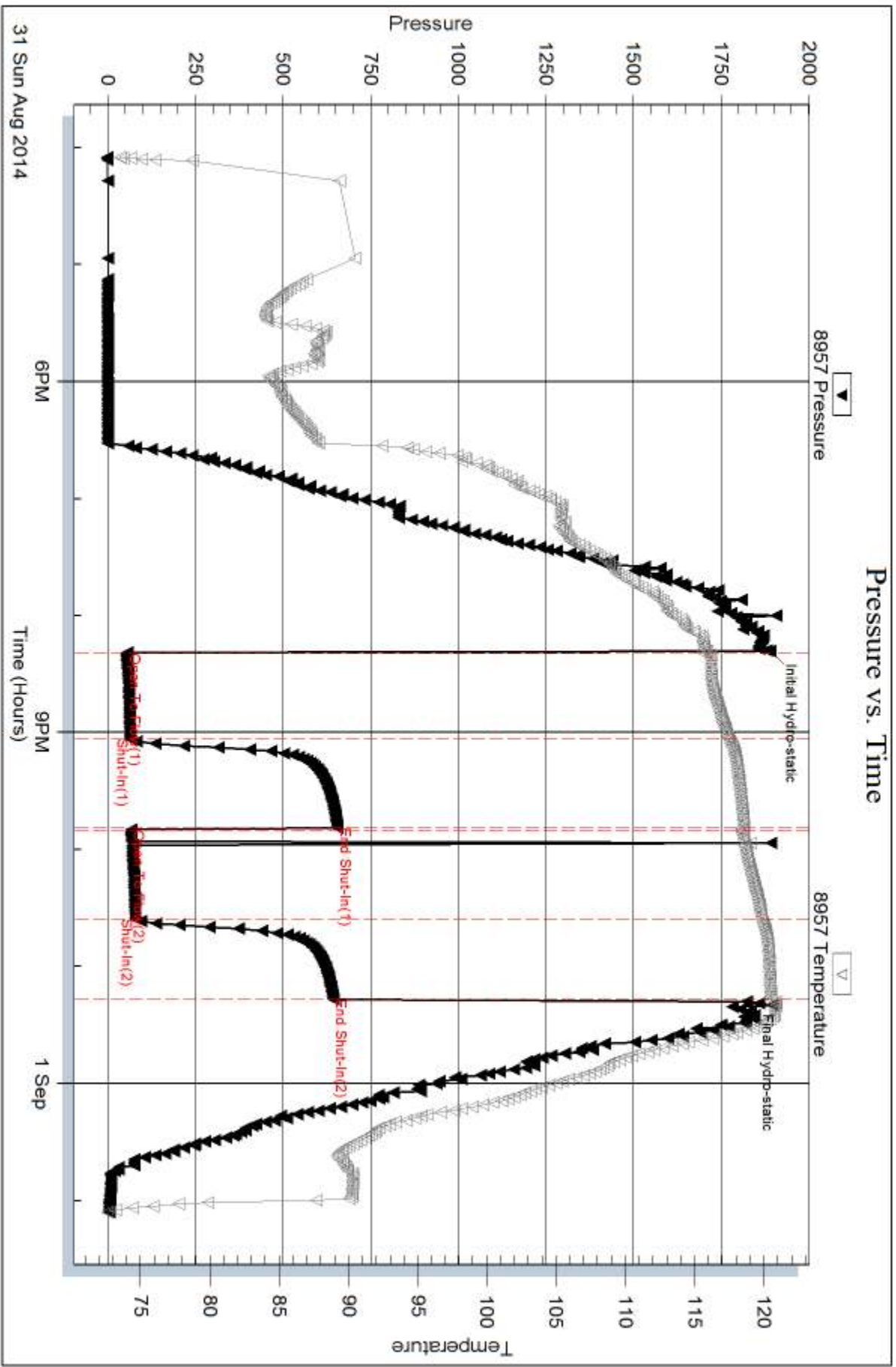
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



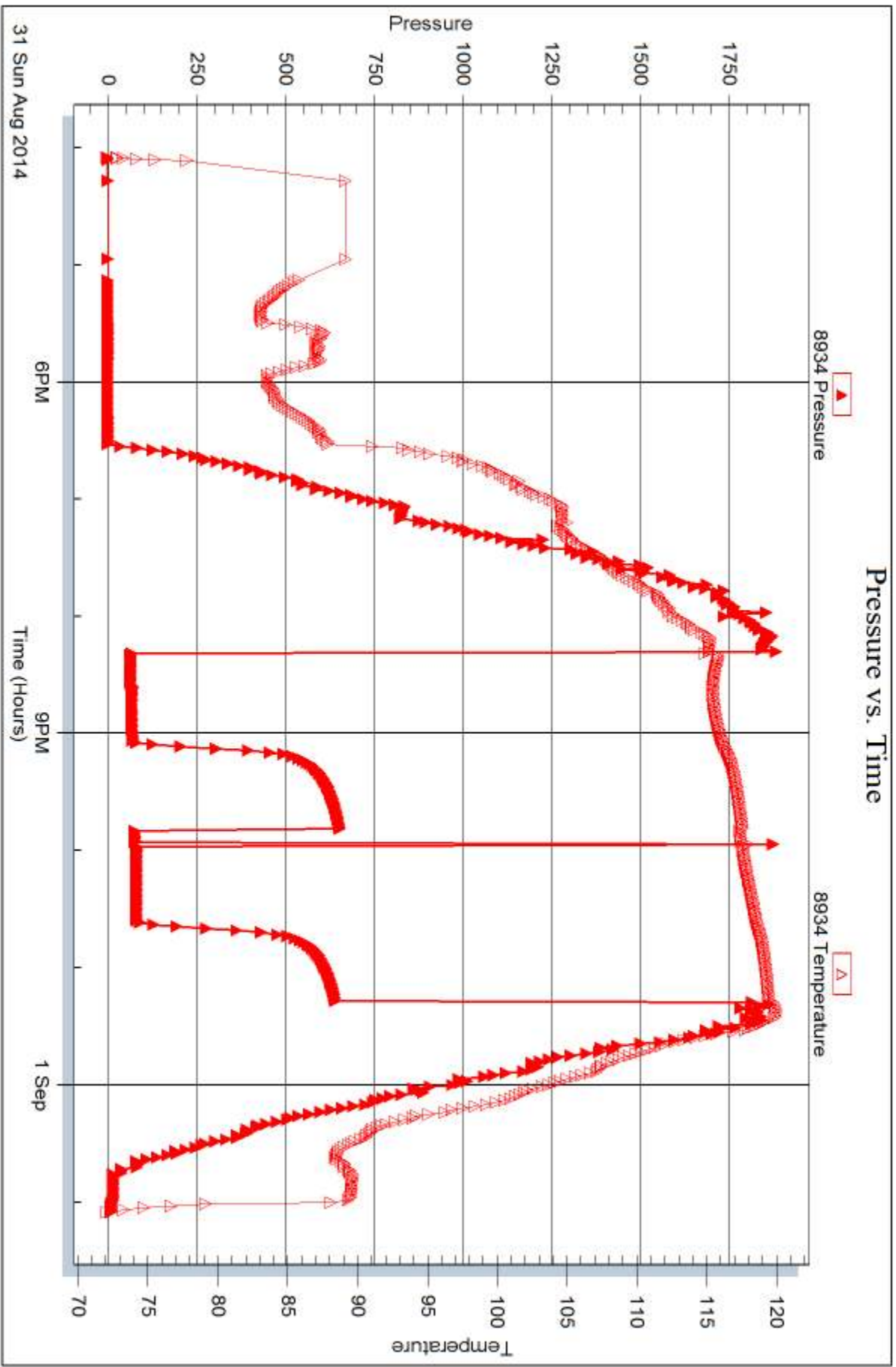
Serial #: 8934

Inside

H&C Oil Operating Inc.

13-10-26 Sheridan, KS

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 53968

Printed: 2014.09.04 @ 13:59:00



## DRILL STEM TEST REPORT

Prepared For: **H&C Oil Operating Inc.**

PO Box 86  
Plainville KS 67663

ATTN: Marc Downing

**13-10-26 Sheridan,KS**

**Delbert Walt Trust #13-4**

Start Date: 2014.09.01 @ 08:55:00

End Date: 2014.09.01 @ 17:09:45

Job Ticket #: 53969                      DST #: 2

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.09.04 @ 13:58:36

H&C Oil Operating Inc.

Delbert Walt Trust #13-4

13-10-26 Sheridan,KS

DST # 2

KC "E-F"

2014.09.01





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

H&C Oil Operating Inc.

**Delbert Walt Trust #13-4**

PO Box 86  
Plainville KS 67663

**13-10-26 Sheridan,KS**

ATTN: Marc Downing

Job Ticket: 53969

**DST#: 2**

Test Start: 2014.09.01 @ 08:55:00

## GENERAL INFORMATION:

Formation: **KC "E-F"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:42:45  
 Time Test Ended: 17:09:45  
 Interval: **3881.00 ft (KB) To 3909.00 ft (KB) (TVD)**  
 Total Depth: 3909.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 2578.00 ft (KB)  
 2572.00 ft (CF)  
 KB to GR/CF: 6.00 ft

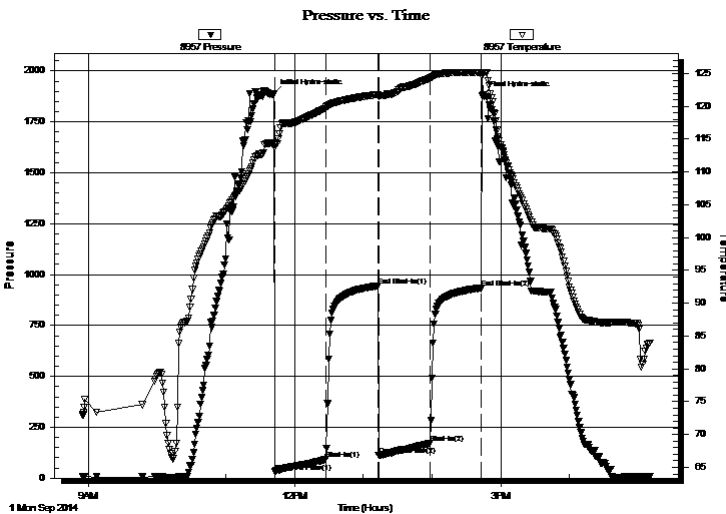
## Serial #: 8957

**Outside**

Press@RunDepth: 169.98 psig @ 3882.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.09.01 End Date: 2014.09.01 Last Calib.: 2014.09.01  
 Start Time: 08:55:05 End Time: 17:09:44 Time On Btm: 2014.09.01 @ 11:42:00  
 Time Off Btm: 2014.09.01 @ 14:43:30

TEST COMMENT: IF-BOB in 11 min  
 IS-2" blow  
 FF-BOB in 12 min  
 FS- 1/4" blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1888.23	114.48	Initial Hydro-static
1	30.76	113.70	Open To Flow (1)
45	91.70	119.70	Shut-In(1)
91	944.47	121.79	End Shut-In(1)
92	111.27	121.57	Open To Flow (2)
136	169.98	124.24	Shut-In(2)
181	934.11	125.17	End Shut-In(2)
182	1876.46	124.90	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
210.00	VSOMCW 5%O 85%W 10%M	2.67
60.00	VSOMCW 5%O 50%W 45%M	0.84
65.00	GO 10%G 90%O	0.91
0.00	560ft GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

H&C Oil Operating Inc.

**Delbert Walt Trust #13-4**

PO Box 86  
Plainville KS 67663

**13-10-26 Sheridan,KS**

Job Ticket: 53969

**DST#: 2**

ATTN: Marc Downing

Test Start: 2014.09.01 @ 08:55:00

## Tool Information

Drill Pipe:	Length: 3856.00 ft	Diameter: 3.80 inches	Volume: 54.09 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3881.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3866.00	
Hydraulic tool	5.00			3871.00	
Packer	5.00			3876.00	20.00 Bottom Of Top Packer
Packer	5.00			3881.00	
Stubb	1.00			3882.00	
Recorder	0.00	8934	Inside	3882.00	
Recorder	0.00	8957	Outside	3882.00	
Perforations	24.00			3906.00	
Bullnose	3.00			3909.00	28.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>48.00</b>				



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**FLUID SUMMARY**

H&C Oil Operating Inc.

**Delbert Walt Trust #13-4**

PO Box 86  
Plainville KS 67663

**13-10-26 Sheridan,KS**

Job Ticket: 53969

**DST#: 2**

ATTN: Marc Downing

Test Start: 2014.09.01 @ 08:55:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 41.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
210.00	VSOMCW 5%O 85%W 10%M	2.672
60.00	VSOMCW 5%O 50%W 45%M	0.842
65.00	GO 10%G 90%O	0.912
0.00	560ft GIP	0.000

Total Length: 335.00 ft

Total Volume: 4.426 bbl

Num Fluid Samples: 0

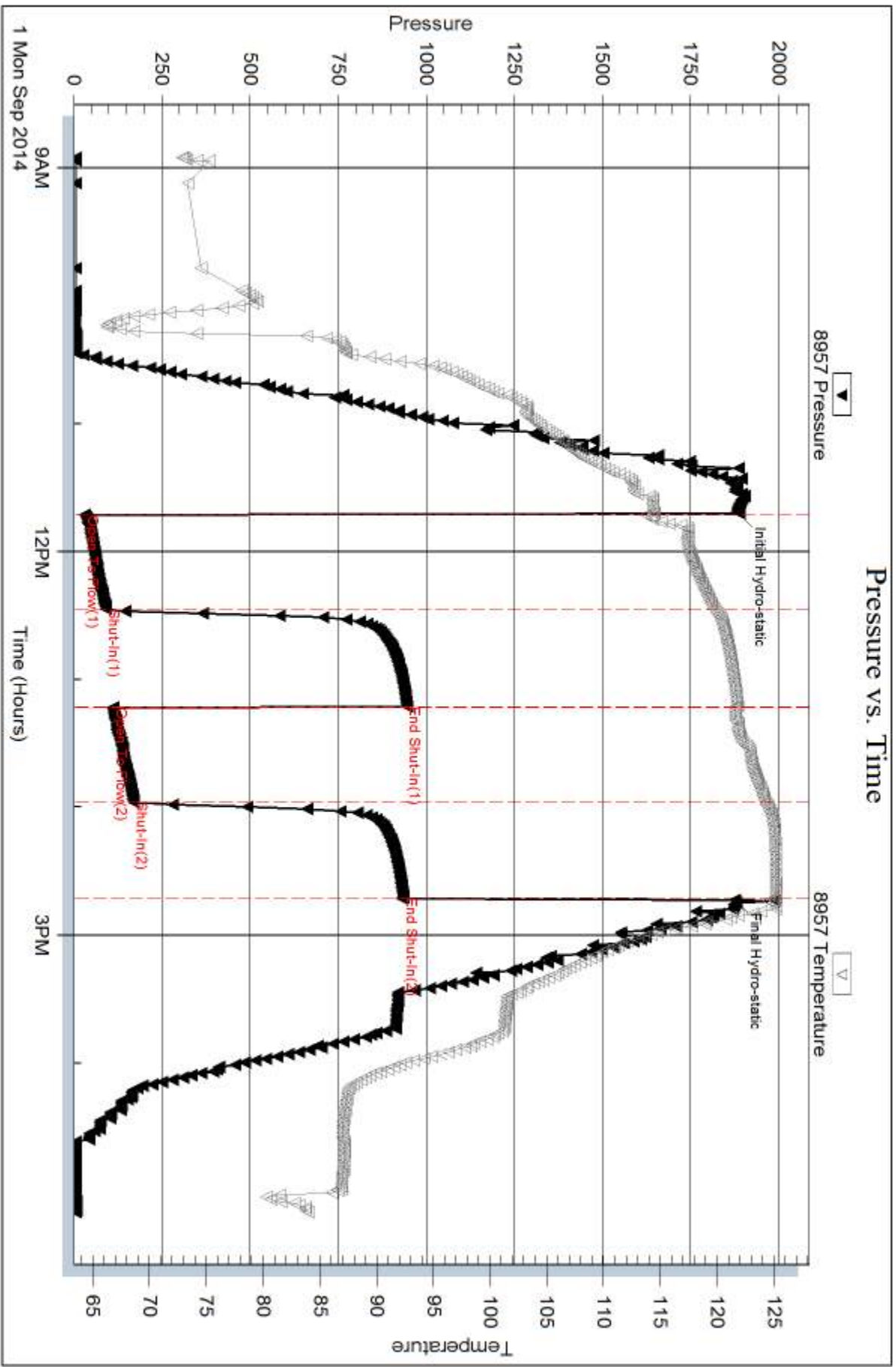
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



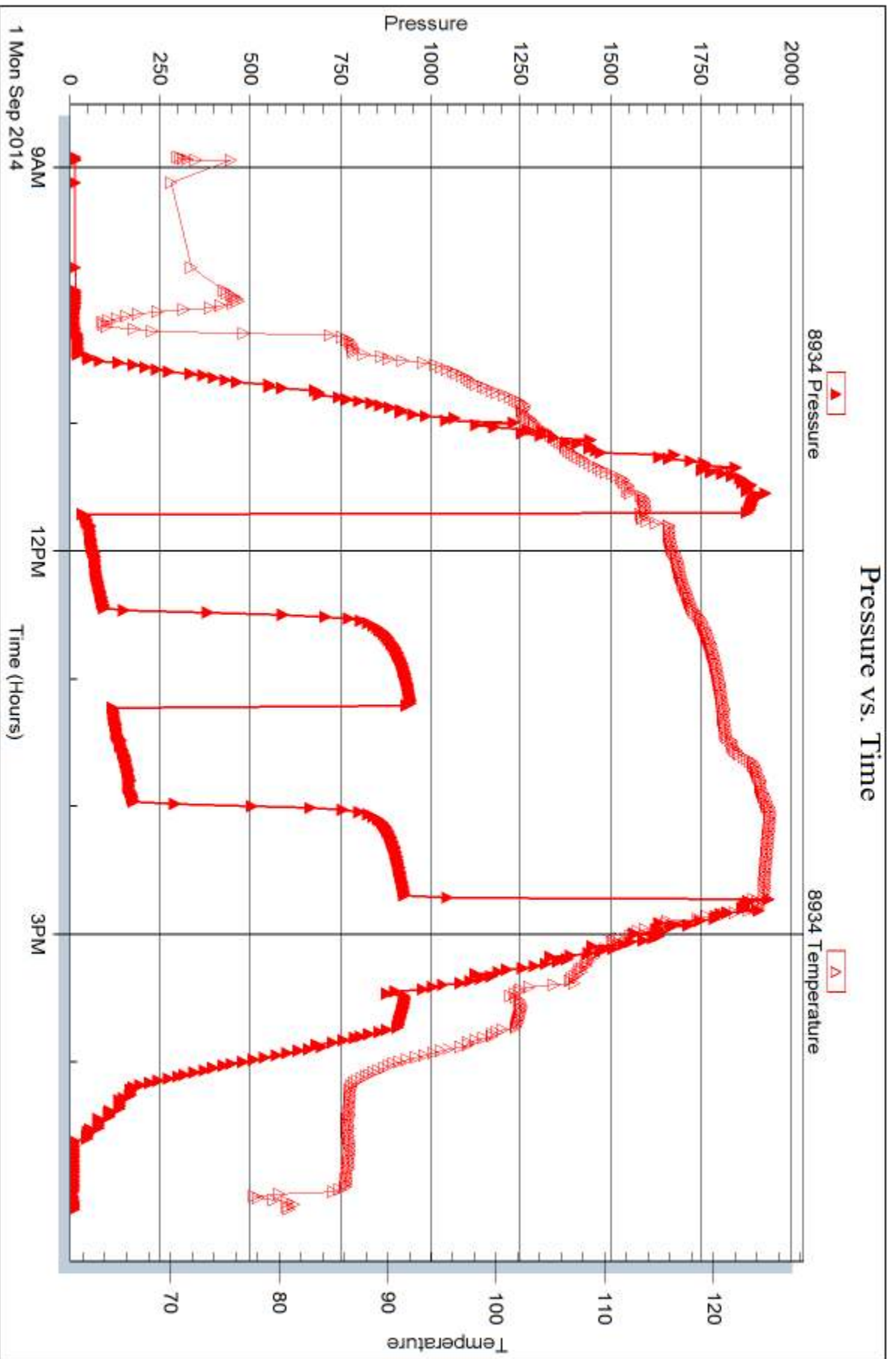
Serial #: 8934

Inside

H&C Oil Operating Inc.

13-10-26 Sheridan, KS

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 53969

Printed: 2014.09.04 @ 13:58:37



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

H&C Oil Operating Inc.

**Delbert Walt Trust #13-4**

PO Box 86  
Plainville KS 67663

**13-10-26 Sheridan,KS**

ATTN: Marc Downing

Job Ticket: 53970

**DST#: 3**

Test Start: 2014.09.02 @ 07:55:00

## GENERAL INFORMATION:

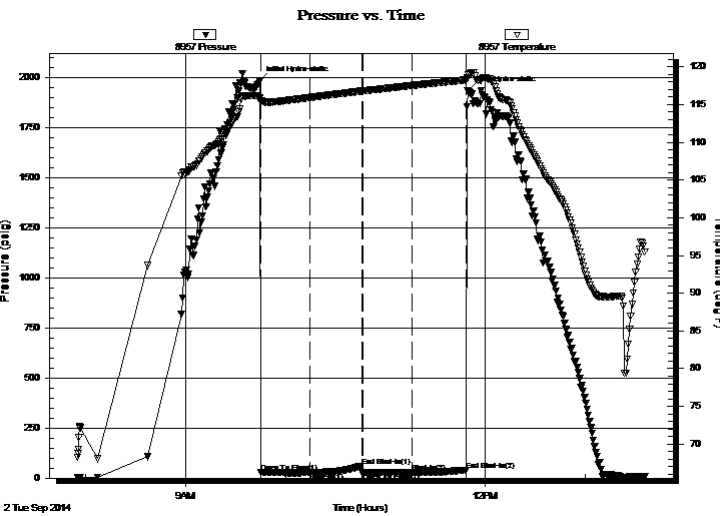
Formation: **KC "I-K"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 09:45:15  
 Time Test Ended: 13:35:30  
 Interval: **3967.00 ft (KB) To 4034.00 ft (KB) (TVD)**  
 Total Depth: 4034.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 2578.00 ft (KB)  
 2572.00 ft (CF)  
 KB to GR/CF: 6.00 ft

## Serial #: 8957

**Outside**

Press@RunDepth: 29.49 psig @ 3968.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.09.02 End Date: 2014.09.02 Last Calib.: 2014.09.02  
 Start Time: 07:55:05 End Time: 13:35:29 Time On Btm: 2014.09.02 @ 09:44:15  
 Time Off Btm: 2014.09.02 @ 11:49:15

TEST COMMENT: IF-1/4" blow  
 IS-No blow  
 FF-No blow  
 FS-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1981.37	115.79	Initial Hydro-static
1	29.42	115.43	Open To Flow (1)
30	26.97	115.93	Shut-In(1)
62	59.92	116.79	End Shut-In(1)
63	28.95	116.80	Open To Flow (2)
92	29.49	117.52	Shut-In(2)
124	40.66	118.26	End Shut-In(2)
125	1933.41	118.59	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	OS Mud	0.02

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

H&C Oil Operating Inc.

**Delbert Walt Trust #13-4**

PO Box 86  
Plainville KS 67663

**13-10-26 Sheridan,KS**

Job Ticket: 53970

**DST#: 3**

ATTN: Marc Downing

Test Start: 2014.09.02 @ 07:55:00

## 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: 41.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OS Mud	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:

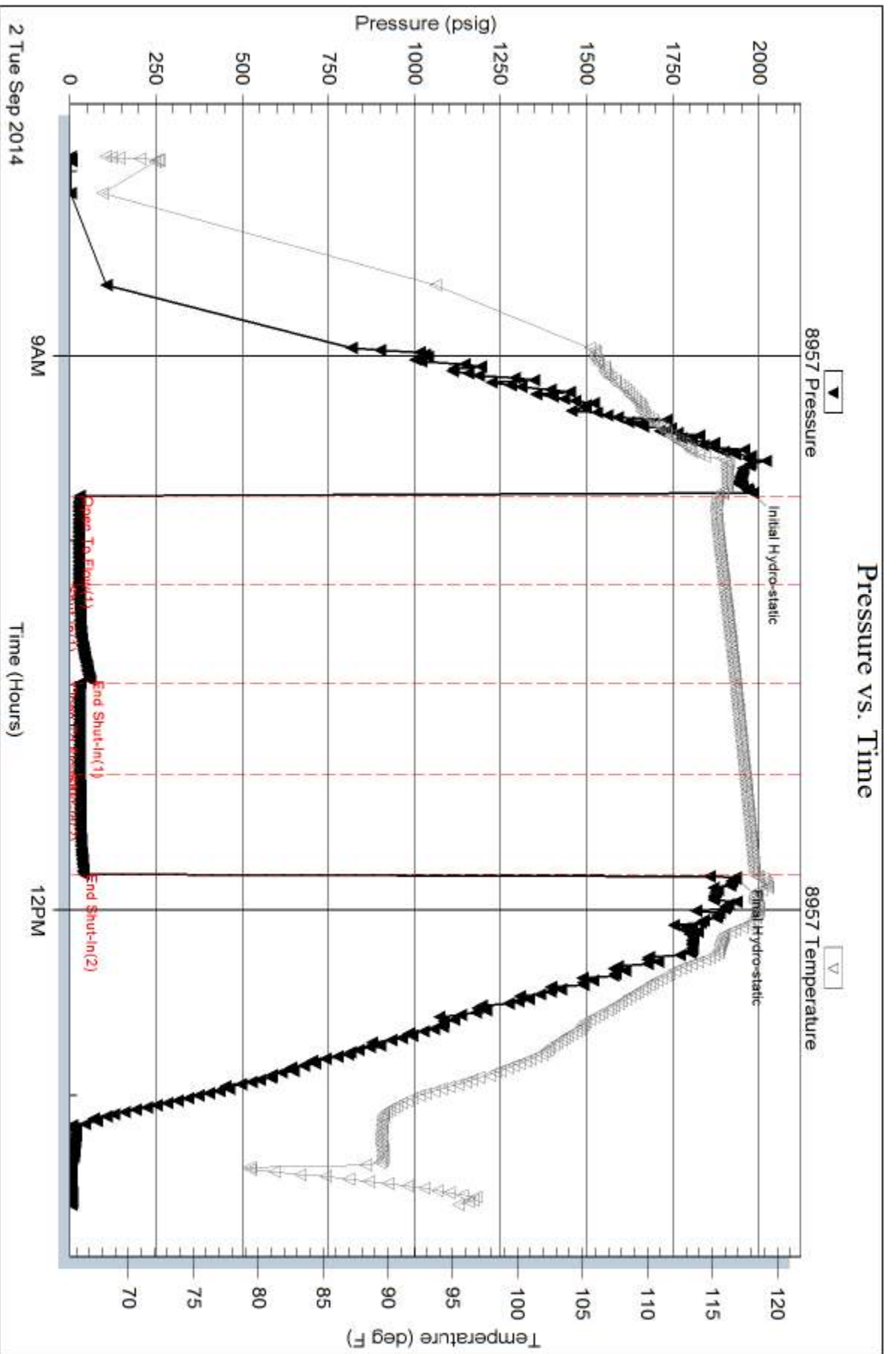


Serial #: 8957

Outside H&C Oil Operating Inc.

13-10-26 Sheridan, KS

DST Test Number: 3





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 53968

Well Name & No. Delbert Walt Trust #13-4 Test No. 1 Date 8-31-14  
 Company H&C Oil Operating Inc. Elevation 2578 KB 2572 GL  
 Address PO Box 86 Plainville KS 67663  
 Co. Rep / Geo. \_\_\_\_\_ Rig American Eagle  
 Location: Sec. 13 Twp. 10 Rge. 26 Co. Sheridan State KS

Interval Tested 3839-3880 Zone Tested KC" & D"  
 Anchor Length 41 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.3  
 Top Packer Depth 3834 Drill Collars Run 30 Vis 58  
 Bottom Packer Depth 3839 Wt. Pipe Run - WL 6.0  
 Total Depth 3880 Chlorides 6,400 ppm System LCM 1

Blow Description FF - 1 1/4 in blow  
FST - No blow  
FF - 1/2 in blow  
FST - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>85</u>	<u>OS Mud</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 85 BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>1,890</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>15:15</u>
(B) First Initial Flow <u>55</u>	<input type="checkbox"/> Jars _____	T-Started <u>16:05</u>
(C) First Final Flow <u>65</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>20:18</u>
(D) Initial Shut-In <u>654</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>23:18</u>
(E) Second Initial Flow <u>67</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1:05</u>
(F) Second Final Flow <u>79</u>	<input checked="" type="checkbox"/> Mileage <u>128.40</u> 198.40	Comments _____
(G) Final Shut-In <u>643</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>6824</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Total <u>1348.40</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1348.40</u>	

Approved By \_\_\_\_\_ Our Representative Bruce

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.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 53969

Well Name & No. Delbert Walt trust #13-4 Test No. 2 Date 9-1-14  
 Company H&C Oil Operating Inc. Elevation 2578 KB 2572 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Marc D Rig American Eagle  
 Location: Sec. 13 Twp. 10 Rge. 26 Co. Sheridan State KS

Interval Tested 3881 - 3909 Zone Tested KC<sup>1</sup>F-F<sup>11</sup>  
 Anchor Length 28 Drill Pipe Run \_\_\_\_\_ Mud Wt. \_\_\_\_\_  
 Top Packer Depth 3876 Drill Collars Run 30 Vis \_\_\_\_\_  
 Bottom Packer Depth 3881 Wt. Pipe Run — WL \_\_\_\_\_  
 Total Depth 3909 Chlorides \_\_\_\_\_ ppm System LCM \_\_\_\_\_

Blow Description IF - BOB in 11 min  
IST - 2 in blow  
FF - BOB in 12 min  
PSI - 1/4 in blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>60</u>	<u>10</u>	<u>90</u>		
<u>60</u>	<u>VSOM<sup>MCW</sup></u>		<u>5</u>	<u>50</u>	<u>45</u>
<u>210</u>	<u>VSOM<sup>MCW</sup></u>		<u>5</u>	<u>85</u>	<u>10</u>
<u>—</u>	<u>560 AT GIP</u>				
<u>—</u>	<u>—</u>				

Rec Total 335 BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1,888  Test 1150 T-On Location 8:40  
 (B) First Initial Flow 31  Jars \_\_\_\_\_ T-Started 8:55  
 (C) First Final Flow 92  Safety Joint \_\_\_\_\_ T-Open 11:40  
 (D) Initial Shut-In 944  Circ Sub \_\_\_\_\_ T-Pulled 14:40  
 (E) Second Initial Flow 111  Hourly Standby \_\_\_\_\_ T-Out 17:10  
 (F) Second Final Flow 170  Mileage 128.7 198.40  
 (G) Final Shut-In 934  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1,876  Straddle \_\_\_\_\_

Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Initial Open 45  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 43  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1348.40  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1348.40

Approved By \_\_\_\_\_ Our Representative Ben D...

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.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 53970

Well Name & No. Delbert Welf Trust #13-4 Test No. 3 Date 9-2-14  
 Company Hdc Oil Operating Inc. Elevation 2578 KB 2572 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Mace D Rig American Eagle  
 Location: Sec. 13 Twp. 10 Rge. 26 Co. Sheridan State KS

Interval Tested 3967-4034 Zone Tested KC" I-K"  
 Anchor Length 67 Drill Pipe Run \_\_\_\_\_ Mud Wt. \_\_\_\_\_  
 Top Packer Depth 3962 Drill Collars Run 30 Vis \_\_\_\_\_  
 Bottom Packer Depth 3967 Wt. Pipe Run \_\_\_\_\_ WL \_\_\_\_\_  
 Total Depth 4034 Chlorides \_\_\_\_\_ ppm System LCM \_\_\_\_\_

Blow Description IF - 4in blow  
ISF - No blow  
FF - No blow  
FST - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>OS Mud</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 \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 4981  Test 1250 T-On Location 7:45  
 (B) First Initial Flow 29  Jars \_\_\_\_\_ T-Started 7:45  
 (C) First Final Flow 27  Safety Joint \_\_\_\_\_ T-Open 9:42  
 (D) Initial Shut-In 60  Circ Sub \_\_\_\_\_ T-Pulled 11:42  
 (E) Second Initial Flow 29  Hourly Standby \_\_\_\_\_ T-Out \_\_\_\_\_  
 (F) Second Final Flow 29  Mileage 128.7 198.40 Comments load tools  
 (G) Final Shut-In 41  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1933  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 30  Day Standby \_\_\_\_\_ Total 1448.40  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1448.40

Approved By \_\_\_\_\_ 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 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.