



## DRILL STEM TEST REPORT

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

PO Box 86  
Plainville, KS 67663

ATTN: Steve Murphy

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

**Delbert Walt Trust #13-5**

Start Date: 2014.07.13 @ 16:50:00

End Date: 2014.07.14 @ 00:06:15

Job Ticket #: 56943                      DST #: 1

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

Printed: 2014.07.16 @ 16:44:31



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

H & C Oil Operating, Inc.

**Delbert Walt Trust #13-5**

PO Box 86  
Plainville, KS 67663

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

ATTN: Steve Murphy

Job Ticket: 56943

**DST#: 1**

Test Start: 2014.07.13 @ 16:50:00

## GENERAL INFORMATION:

Formation: **LKC "C - D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:00:00

Time Test Ended: 00:06:15

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 57

**Interval: 3860.00 ft (KB) To 3888.00 ft (KB) (TVD)**

Reference Elevations: 2578.00 ft (KB)

Total Depth: 3888.00 ft (KB) (TVD)

2571.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

**Serial #: 8671**

**Inside**

Press@RunDepth: 43.26 psig @ 3861.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.13

End Date:

2014.07.14

Last Calib.:

2014.07.14

Start Time:

16:50:05

End Time:

00:06:14

Time On Btm:

2014.07.13 @ 18:59:30

Time Off Btm:

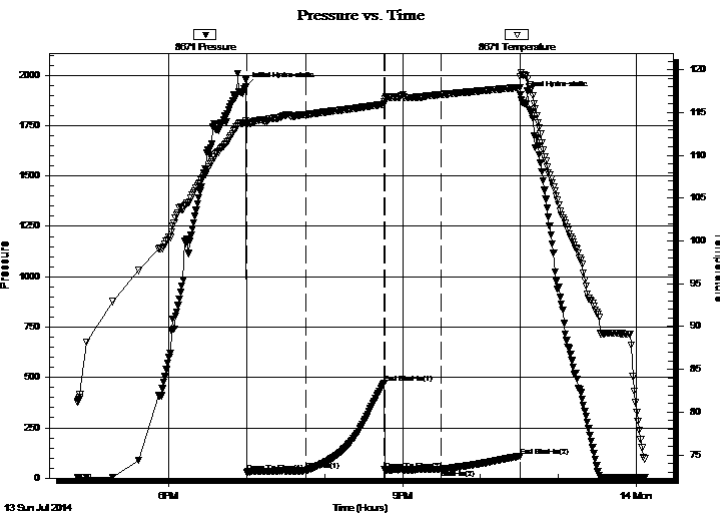
2014.07.13 @ 22:30:30

TEST COMMENT: 45 - IF: 1" Blow at open, built to 2 1/4"

60 - IS: No blow back

45 - FF: Blow built to 2 3/4"

60 - FS: No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1942.47	114.00	Initial Hydro-static
1	28.87	113.52	Open To Flow (1)
46	37.79	114.75	Shut-In(1)
107	470.90	115.97	End Shut-In(1)
107	39.55	116.59	Open To Flow (2)
151	43.26	117.08	Shut-In(2)
211	110.08	117.94	End Shut-In(2)
211	1901.13	119.22	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM 76% m, 14% o, 10% g	0.57

## 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 #13-5**

PO Box 86  
Plainville, KS 67663

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

ATTN: Steve Murphy

Job Ticket: 56943

**DST#: 1**

Test Start: 2014.07.13 @ 16:50:00

## Tool Information

Drill Pipe:	Length: 3810.00 ft	Diameter: 3.80 inches	Volume: 53.44 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 53.59 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3860.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Rig changed weight indicator during test

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3837.00	
Hydraulic tool	5.00			3842.00	
Jars	5.00			3847.00	
Safety Joint	3.00			3850.00	
Packer	5.00			3855.00	28.00 Bottom Of Top Packer
Packer	5.00			3860.00	
Stubb	1.00			3861.00	
Recorder	0.00	8671	Inside	3861.00	
Recorder	0.00	8320	Outside	3861.00	
Perforations	24.00			3885.00	
Bullnose	3.00			3888.00	28.00 Bottom Packers & Anchor

**Total Tool Length: 56.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

H & C Oil Operating, Inc.

**Delbert Walt Trust #13-5**

PO Box 86  
Plainville, KS 67663

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

Job Ticket: 56943

**DST#: 1**

ATTN: Steve Murphy

Test Start: 2014.07.13 @ 16:50:00

### 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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OCM 76%m, 14%o, 10%g	0.568

Total Length: 60.00 ft      Total Volume: 0.568 bbl

Num Fluid Samples: 0

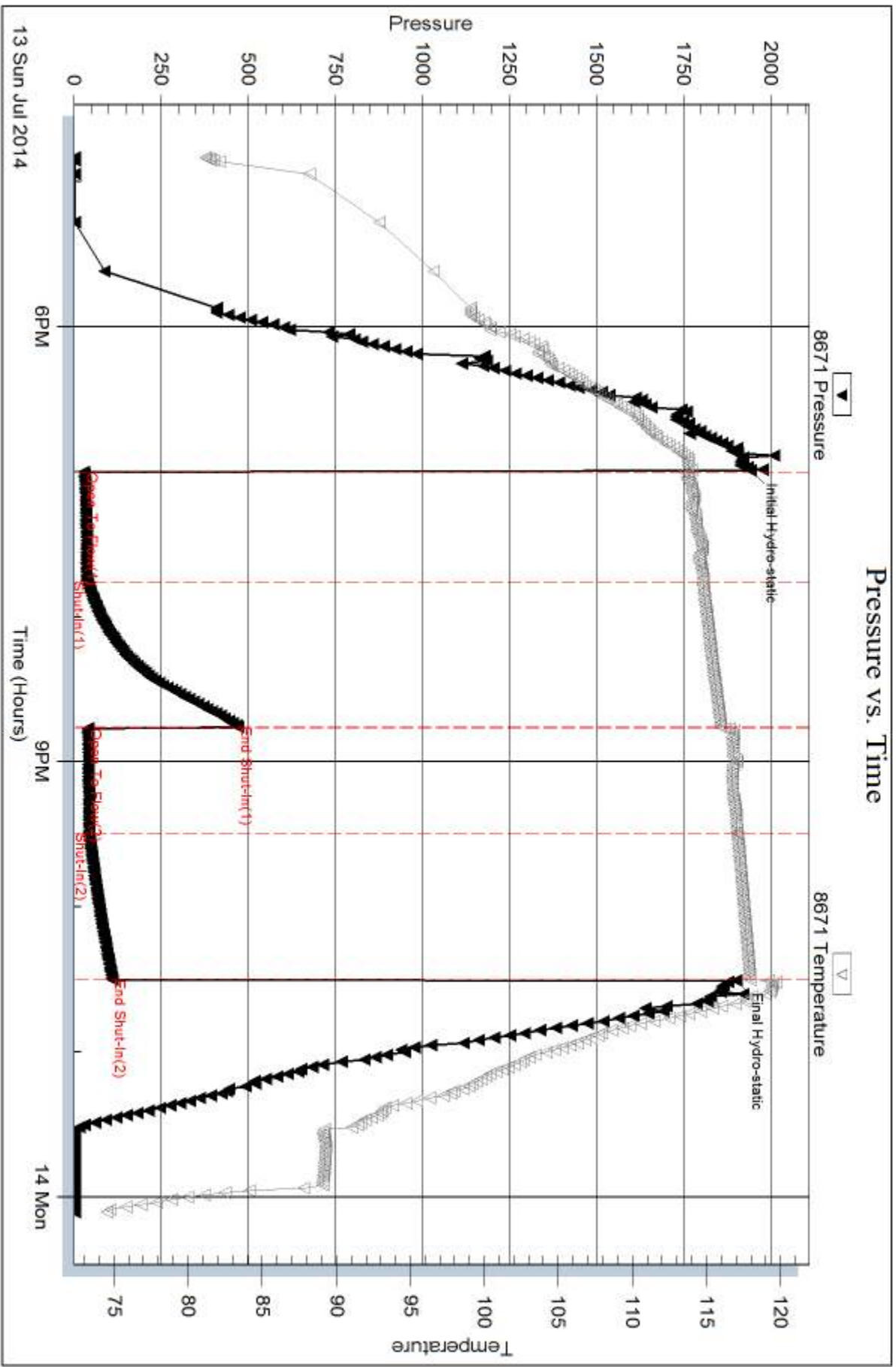
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

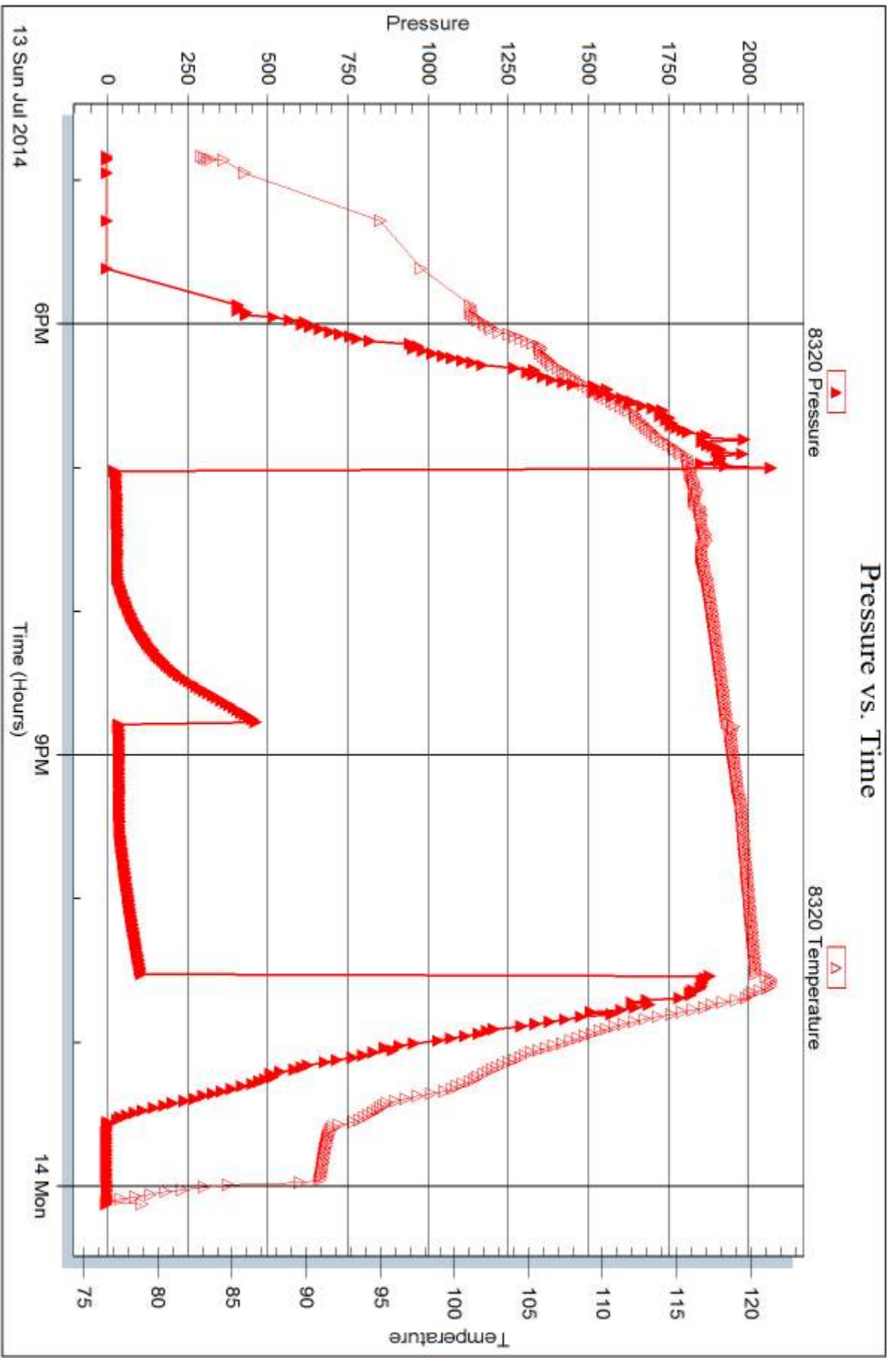


Serial #: 8320

Outside H & C Oil Operating, Inc.

13-10-26 Sheridan, KS

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 56943

Printed: 2014.07.16 @ 16:44:32



## DRILL STEM TEST REPORT

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

PO Box 86  
Plainville, KS 67663

ATTN: Steve Murphy

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

**Delbert Walt Trust #13-5**

Start Date: 2014.07.14 @ 13:55:00

End Date: 2014.07.14 @ 21:23:30

Job Ticket #: 58360                      DST #: 2

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

Printed: 2014.07.16 @ 16:43:33





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

H & C Oil Operating, Inc.

**Delbert Walt Trust #13-5**

PO Box 86  
Plainville, KS 67663

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

ATTN: Steve Murphy

Job Ticket: 58360

**DST#: 2**

Test Start: 2014.07.14 @ 13:55:00

## GENERAL INFORMATION:

Formation: **LKC "H-J"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 15:48:15  
 Time Test Ended: 21:23:30  
 Interval: **3942.00 ft (KB) To 4020.00 ft (KB) (TVD)**  
 Total Depth: 4020.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Brandon Quintana  
 Unit No: 57  
 Reference Elevations: 2578.00 ft (KB)  
 2571.00 ft (CF)  
 KB to GR/CF: 7.00 ft

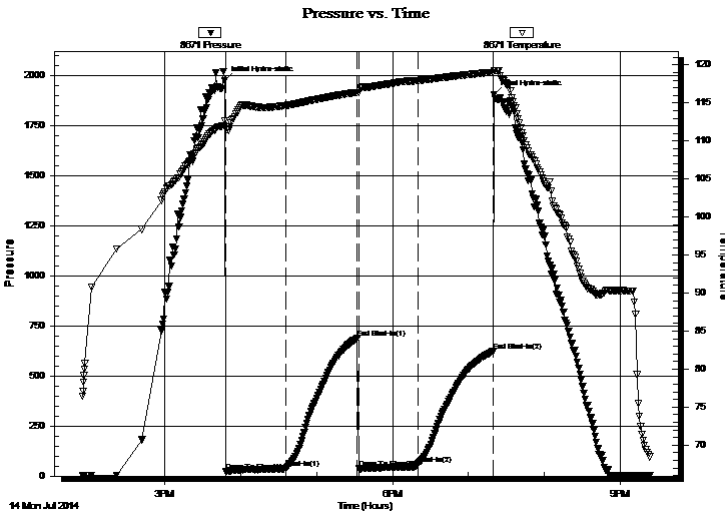
## Serial #: 8671

Inside

Press@RunDepth: 61.63 psig @ 3943.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.07.14 End Date: 2014.07.14 Last Calib.: 2014.07.14  
 Start Time: 13:55:05 End Time: 21:23:29 Time On Btm: 2014.07.14 @ 15:47:15  
 Time Off Btm: 2014.07.14 @ 19:20:15

TEST COMMENT: 45 - IF - Opened w/ surface blow , built to 3"  
 60 - ISI - No Return  
 45 - FF - Opened w/ surface blow , built to 4 1/2"  
 60 - FSI - No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1976.38	112.69	Initial Hydro-static
1	22.61	111.83	Open To Flow (1)
48	39.19	114.65	Shut-In(1)
105	689.38	116.40	End Shut-In(1)
106	40.39	116.40	Open To Flow (2)
153	61.63	117.94	Shut-In(2)
212	622.59	119.04	End Shut-In(2)
213	1908.12	119.28	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
61.00	GOCM 60% m, 30% g, 10% o	0.58

## 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 #13-5**

PO Box 86  
Plainville, KS 67663

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

ATTN: Steve Murphy

Job Ticket: 58360

**DST#: 2**

Test Start: 2014.07.14 @ 13:55:00

## Tool Information

Drill Pipe:	Length: 3903.00 ft	Diameter: 3.80 inches	Volume: 54.75 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 54.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	3942.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	106.00 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			3919.00	
Hydraulic tool	5.00			3924.00	
Jars	5.00			3929.00	
Safety Joint	3.00			3932.00	
Packer	5.00			3937.00	28.00 Bottom Of Top Packer
Packer	5.00			3942.00	
Stubb	1.00			3943.00	
Recorder	0.00	8671	Inside	3943.00	
Recorder	0.00	8320	Outside	3943.00	
Perforations	10.00			3953.00	
Change Over Sub	1.00			3954.00	
Drill Pipe	62.00			4016.00	
Change Over Sub	1.00			4017.00	
Bullnose	3.00			4020.00	78.00 Bottom Packers & Anchor

**Total Tool Length: 106.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

H & C Oil Operating, Inc.

**Delbert Walt Trust #13-5**

PO Box 86  
Plainville, KS 67663

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

Job Ticket: 58360

**DST#: 2**

ATTN: Steve Murphy

Test Start: 2014.07.14 @ 13:55:00

## 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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
61.00	GOCM 60%m, 30%g, 10%o	0.582

Total Length: 61.00 ft      Total Volume: 0.582 bbl

Num Fluid Samples: 0

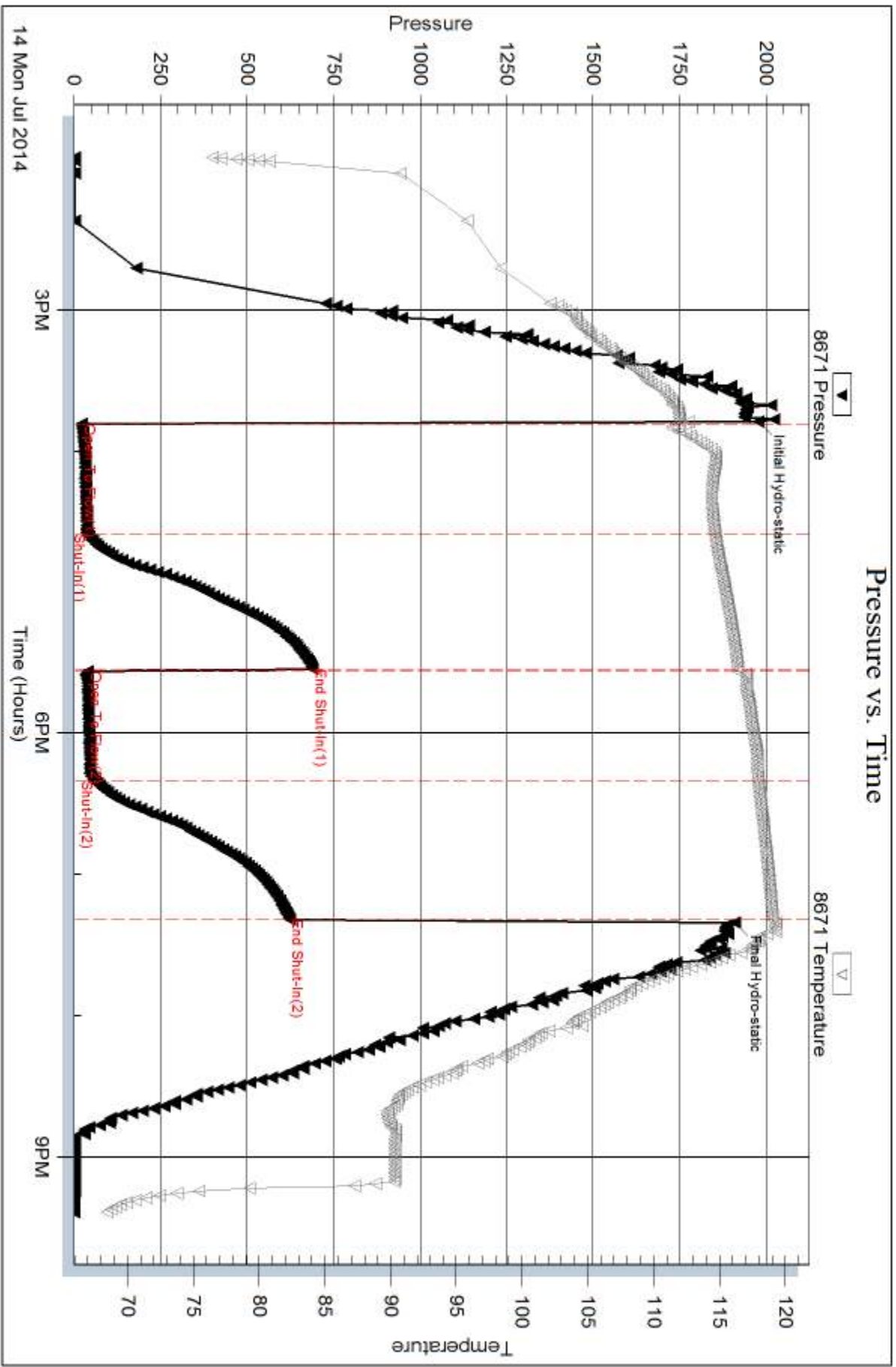
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

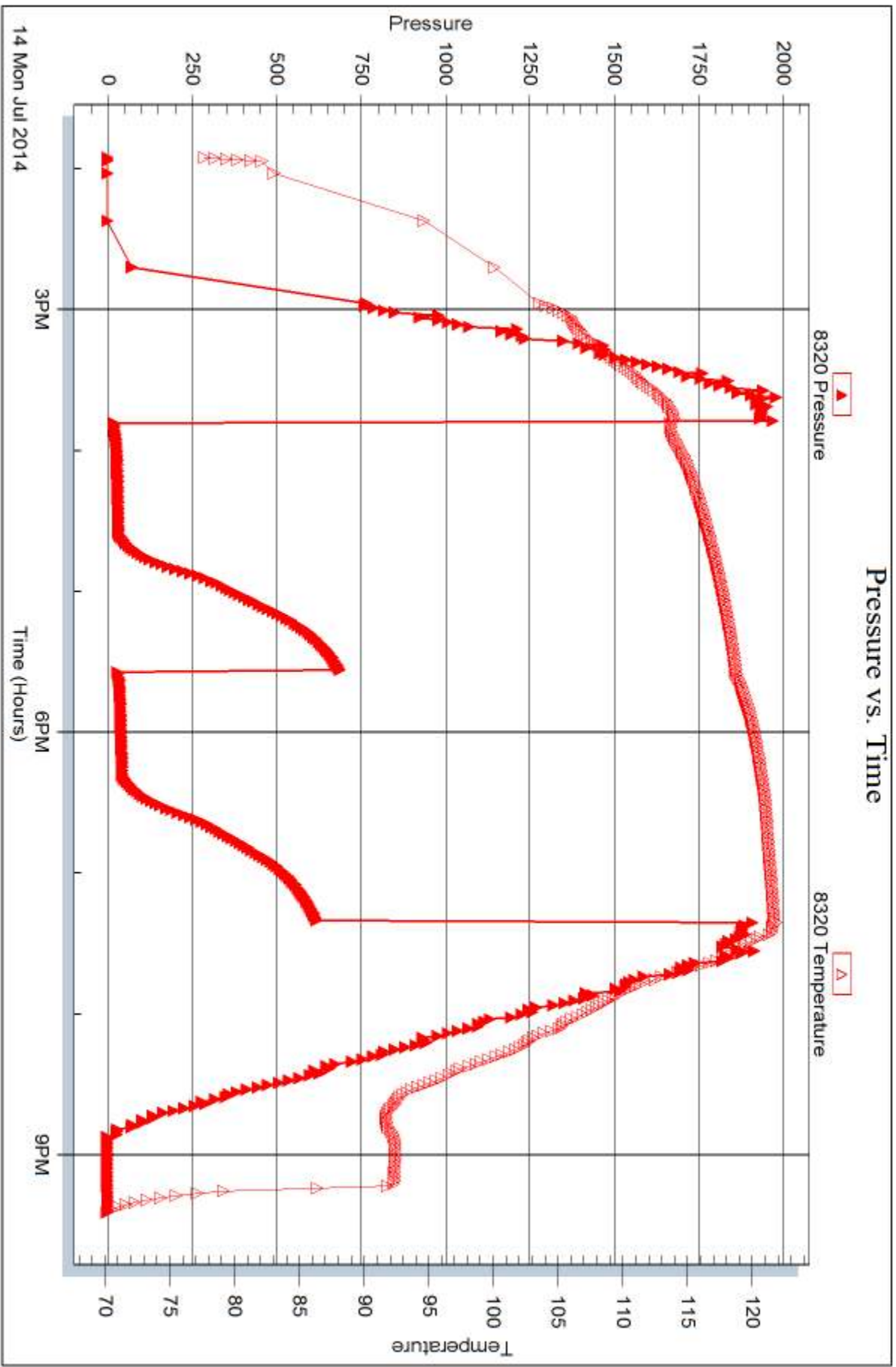


Serial #: 8320

Outside H & C Oil Operating, Inc.

13-10-26 Sheridan, KS

DST Test Number: 2





## DRILL STEM TEST REPORT

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

PO Box 86  
Plainville, KS 67663

ATTN: Steve Murphy

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

**Delbert Walt Trust #13-5**

Start Date: 2014.07.15 @ 04:37:00

End Date: 2014.07.15 @ 10:17:45

Job Ticket #: 58361                      DST #: 3

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

Printed: 2014.07.16 @ 15:49:05

H & C Oil Operating, Inc.

Delbert Walt Trust #13-5

13-10-26 Sheridan,KS

DST # 3

LKC "K"

2014.07.15



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

H & C Oil Operating, Inc.

**Delbert Walt Trust #13-5**

PO Box 86  
Plainville, KS 67663

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

ATTN: Steve Murphy

Job Ticket: 58361

**DST#: 3**

Test Start: 2014.07.15 @ 04:37:00

## GENERAL INFORMATION:

Formation: **LKC "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:41:30

Time Test Ended: 10:17:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Quintana

Unit No: 57

**Interval: 4018.00 ft (KB) To 4040.00 ft (KB) (TVD)**

Reference Elevations: 2578.00 ft (KB)

Total Depth: 40404.00 ft (KB) (TVD)

2571.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

**Serial #: 8671**

**Inside**

Press@RunDepth: 21.89 psig @ 4019.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.15

End Date:

2014.07.15

Last Calib.:

2014.07.15

Start Time: 04:37:05

End Time:

10:17:44

Time On Btm:

2014.07.15 @ 06:40:45

Time Off Btm:

2014.07.15 @ 08:44:30

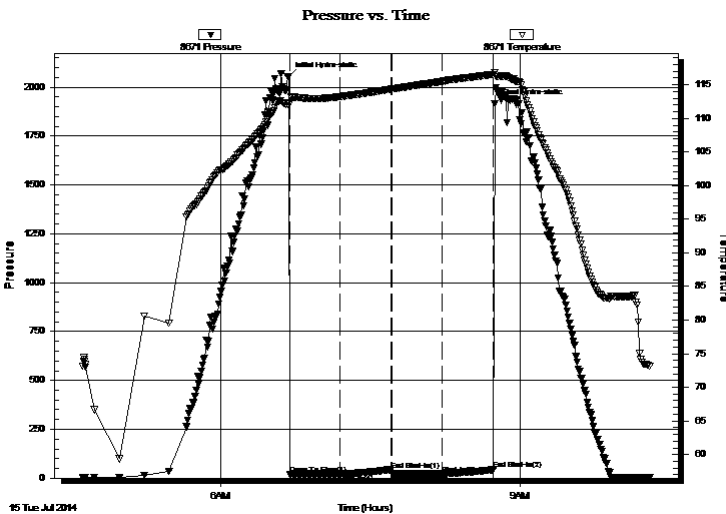
TEST COMMENT: 30 - IF - Opened w/ surface blow , built to 3/4"

30 - ISI - No Return

30 - FF - No Blow

30 - FSI - No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2055.84	112.37	Initial Hydro-static
1	17.46	112.17	Open To Flow (1)
31	21.26	113.23	Shut-In(1)
62	41.13	114.36	End Shut-In(1)
63	21.18	114.37	Open To Flow (2)
93	21.89	115.51	Shut-In(2)
123	43.67	116.56	End Shut-In(2)
124	1917.31	116.85	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% mud	0.02

## 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 #13-5**

PO Box 86  
Plainville, KS 67663

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

Job Ticket: 58361

**DST#: 3**

ATTN: Steve Murphy

Test Start: 2014.07.15 @ 04:37:00

## Tool Information

Drill Pipe:	Length: 3965.00 ft	Diameter: 3.80 inches	Volume: 55.62 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 55.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4018.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	50.00 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			3995.00	
Hydraulic tool	5.00			4000.00	
Jars	5.00			4005.00	
Safety Joint	3.00			4008.00	
Packer	5.00			4013.00	28.00 Bottom Of Top Packer
Packer	5.00			4018.00	
Stubb	1.00			4019.00	
Recorder	0.00	8671	Inside	4019.00	
Recorder	0.00	8320	Outside	4019.00	
Perforations	18.00			4037.00	
Bullnose	3.00			4040.00	22.00 Bottom Packers & Anchor

**Total Tool Length: 50.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

H & C Oil Operating, Inc.

**Delbert Walt Trust #13-5**

PO Box 86  
Plainville, KS 67663

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

Job Ticket: 58361

**DST#: 3**

ATTN: Steve Murphy

Test Start: 2014.07.15 @ 04:37:00

## 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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% mud	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

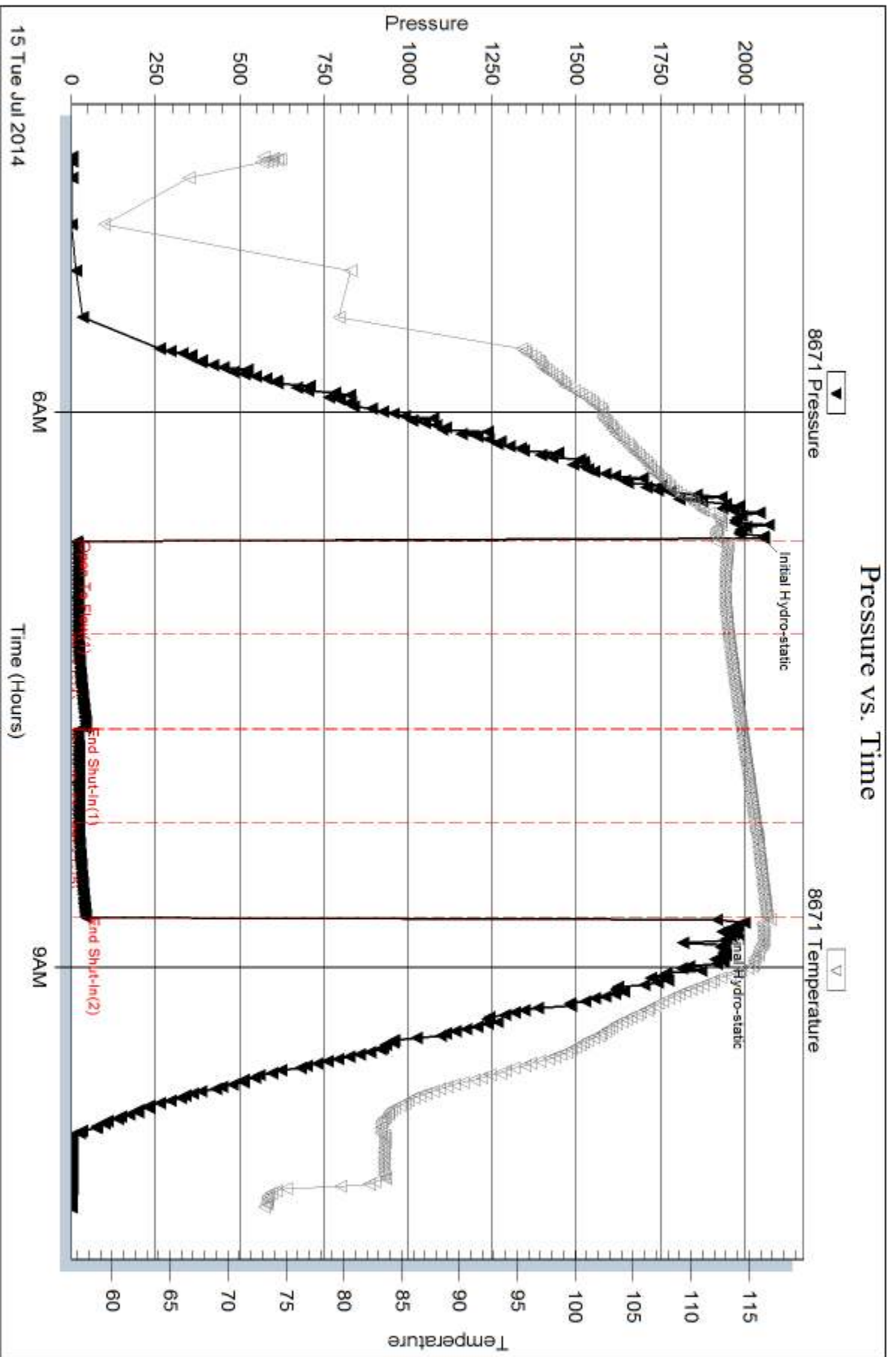
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

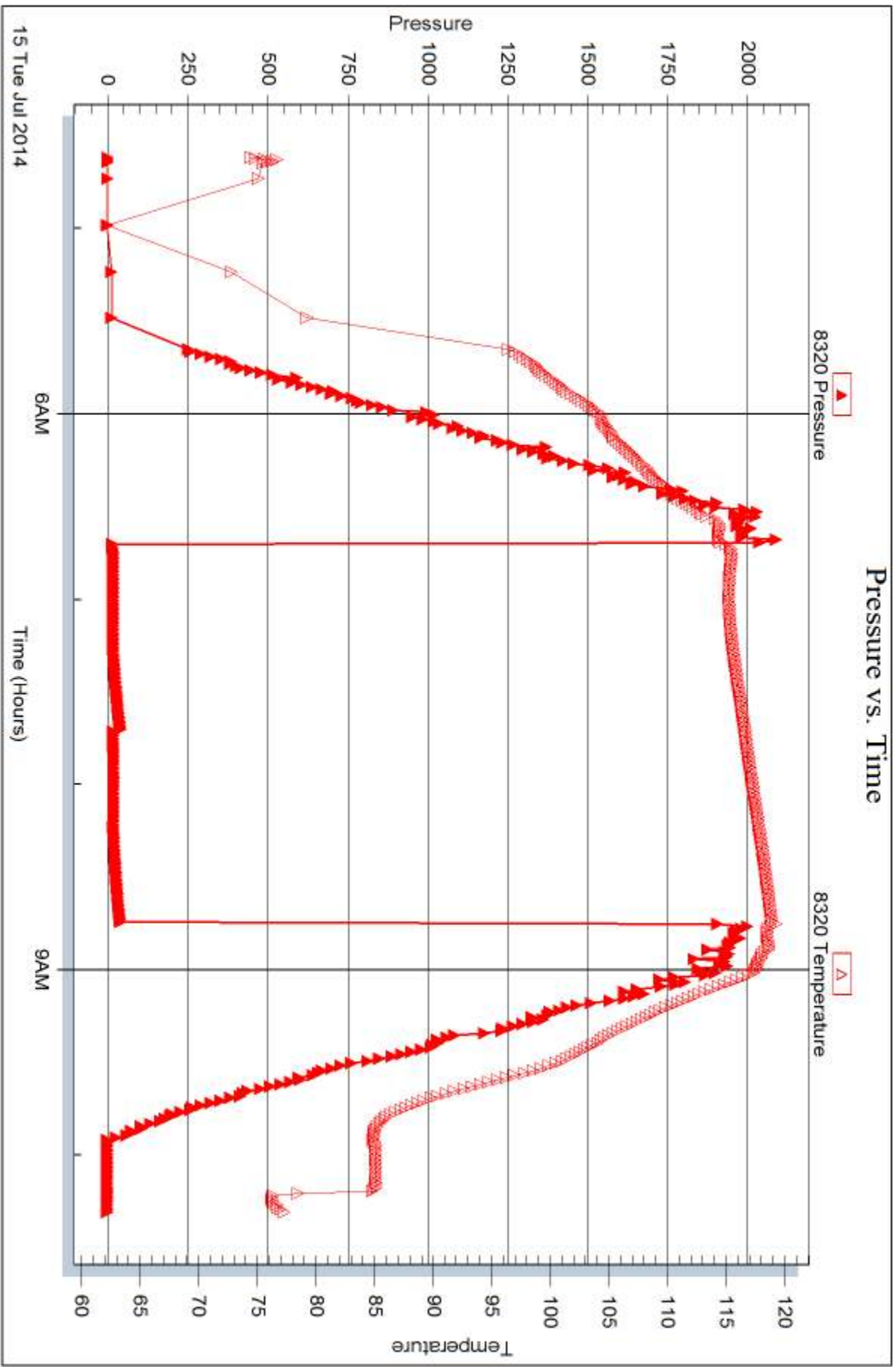


Serial #: 8320

Outside H & C Oil Operating, Inc.

13-10-26 Sheridan, KS

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 58361

Printed: 2014.07.16 @ 15:49:07



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 56943

Well Name & No. Delbert Walt Trust #13-5 Test No. 1 Date 7-13-14  
 Company H & C Oil Operating Inc Elevation 2578 KB 2571 GL  
 Address PO Box 86 Plainville, KS 67663  
 Co. Rep / Geo. Steve Murphy Rig American Eagle #2  
 Location: Sec. 13 Twp. 10s Rge. 26w Co. Sheridan State KS

Interval Tested 3860 - 3888 Zone Tested LKC "C-D"  
 Anchor Length 28 Drill Pipe Run 3810 Mud Wt. 9.2  
 Top Packer Depth 3855 Drill Collars Run 30 Vis 48  
 Bottom Packer Depth 3860 Wt. Pipe Run - WL 7.2  
 Total Depth 3888 Chlorides 1400 ppm System LCM -  
 Blow Description IF: 1" Blow at open, built to 2 1/4"  
ISI: No blowback  
FF: Blow built to 2 3/4"  
FSI: No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>OCM</u>	<u>10</u>	<u>14</u>	<u>76</u>	<u>76</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 60 BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1942  Test 1150 T-On Location 16:00  
 (B) First Initial Flow 29  Jars 250 T-Started 16:50  
 (C) First Final Flow 38  Safety Joint 75 T-Open 19:00  
 (D) Initial Shut-In 471  Circ Sub \_\_\_\_\_ T-Pulled 22:30  
 (E) Second Initial Flow 40  Hourly Standby \_\_\_\_\_ T-Out 00:05  
 (F) Second Final Flow 43  Mileage 128RT 198.40 Comments Tool slid 5' to bottom  
 (G) Final Shut-In 110  Sampler \_\_\_\_\_ before open - lost 1' mud at  
 (H) Final Hydrostatic 1901  Straddle \_\_\_\_\_ open

Initial Open 45  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 60  Ruined Packer \_\_\_\_\_  
 Final Flow 45  Extra Packer \_\_\_\_\_  
 Final Shut-In 60  Extra Recorder \_\_\_\_\_  
 Sub Total 0  Day Standby \_\_\_\_\_  
 Total 1673.40  Accessibility \_\_\_\_\_  
 Sub Total 1673.40 MP/DST Disc't \_\_\_\_\_

Approved By [Signature] Our Representative James Winder  
 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. 58360

Well Name & No. Delbert Walt Trust #13-5 Test No. 2 Date 7-14-14  
 Company H+C Oil Operating, Inc. Elevation 2578 KB 2571 GL  
 Address PO Box 86 Plainville, KS 67663  
 Co. Rep / Geo. Steve Murphy Rig American Eagle #2  
 Location: Sec. 13 Twp. 10S Rge. 26W Co. Sheridan State KS

Interval Tested 3942-4020 Zone Tested LKC "H,I,J"  
 Anchor Length 78' Drill Pipe Run 3903 Mud Wt. 9.2  
 Top Packer Depth 3937 Drill Collars Run 30' Vis 52  
 Bottom Packer Depth 3942 Wt. Pipe Run - WL 6.4  
 Total Depth 4020 Chlorides 1500 ppm System LCM Tr

Blow Description IF- Opened w/ surface blow, built to 3"  
ISI- No Return  
FF- Opened w/ surface blow, built to 4 1/2"  
FSI- No Return

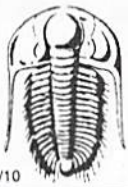
Rec	Feet of	%gas	%oil	%water	%mud
<u>61</u>	<u>Feet of 6 OCM</u>	<u>30</u>	<u>10</u>	<u></u>	<u>60</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>62</u>	Feet of <u>Gas</u>	<u>100</u>	<u></u>	<u></u>	<u></u>

Rec Total 61 BHT 119 Gravity  API RW  @  °F Chlorides  ppm  
 (A) Initial Hydrostatic 1976  Test 1250 T-On Location 1:45 PM  
 (B) First Initial Flow 22  Jars 250 T-Started 1:55 PM  
 (C) First Final Flow 39  Safety Joint 75 T-Open 3:50 PM  
 (D) Initial Shut-In 689  Circ Sub  T-Pulled 7:20 PM  
 (E) Second Initial Flow 40  Hourly Standby  T-Out 9:27 PM  
 (F) Second Final Flow 61  Mileage 128 R.T. 198.40 Comments   
 (G) Final Shut-In 622  Sampler   
 (H) Final Hydrostatic 1908  Straddle   
 Shale Packer   
 Ruined Shale Packer   
 Ruined Packer   
 Extra Packer   
 Extra Copies   
 Extra Recorder   
 Day Standby   
 Accessibility

Initial Open 45  
 Initial Shut-In 60  
 Final Flow 45  
 Final Shut-In 60  
 Sub Total 1773.40  
 Total 1773.40  
 MP/DST Disc't

Approved By [Signature] Our Representative Bruce Orit

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. **58361**

Well Name & No. Delbert Walt Trust #13-5 Test No. 3 Date 7-15-14  
 Company H+C Oil Operating, Inc. Elevation 2578 KB 2571 GL  
 Address PO Box 86 Plainville, KS 67663  
 Co. Rep / Geo. Steve Murphy Rig American Eagle #2  
 Location: Sec. 13 Twp. 10S Rge. 26W Co. Sheridan State KS

Interval Tested 4018-4040 Zone Tested LKC "K"  
 Anchor Length 22' Drill Pipe Run 3965 Mud Wt. 9.2  
 Top Packer Depth 4013 Drill Collars Run 30 Vis 52  
 Bottom Packer Depth 4018 Wt. Pipe Run - WL 6.4  
 Total Depth 4040 Chlorides 1500 ppm System LCM Tr

Blow Description IF - Opened w/ surface blow, built to 3/4"  
ISI - No Return  
FF - No Blow  
FSI - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</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 Total 2 BHT 116 Gravity API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic <u>2055</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>4:10 AM</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>4:37 AM</u>
(C) First Final Flow <u>21</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>6:44 AM</u>
(D) Initial Shut-In <u>41</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>8:44 AM</u>
(E) Second Initial Flow <u>21</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>10:21 AM</u>
(F) Second Final Flow <u>21</u>	<input checked="" type="checkbox"/> Mileage <u>128 R.T. 198.40</u>	Comments
(G) Final Shut-In <u>43</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1917</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30

Sub Total 1773.40

Approved By [Signature] Our Representative Bnd @ t

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