



DRILL STEM TEST REPORT

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

PO Box 86
Plainville, KS 67663

ATTN: Marc Downing

Richmeier Unit #35-1

35-8s-25w Graham,KS

Start Date: 2014.11.23 @ 17:52:47

End Date: 2014.11.24 @ 02:18:47

Job Ticket #: 58411 DST #: 1

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

Printed: 2014.11.26 @ 11:23:28

H&C Oil Operating Inc.

35-8s-25w Graham,KS

Richmeier Unit #35-1

DST # 1

LKC "C&D"

2014.11.23



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

H&C Oil Operating Inc.

35-8s-25w Graham,KS

PO Box 86
Plainville, KS 67663

Richmeier Unit #35-1

ATTN: Marc Downing

Job Ticket: 58411

DST#: 1

Test Start: 2014.11.23 @ 17:52:47

GENERAL INFORMATION:

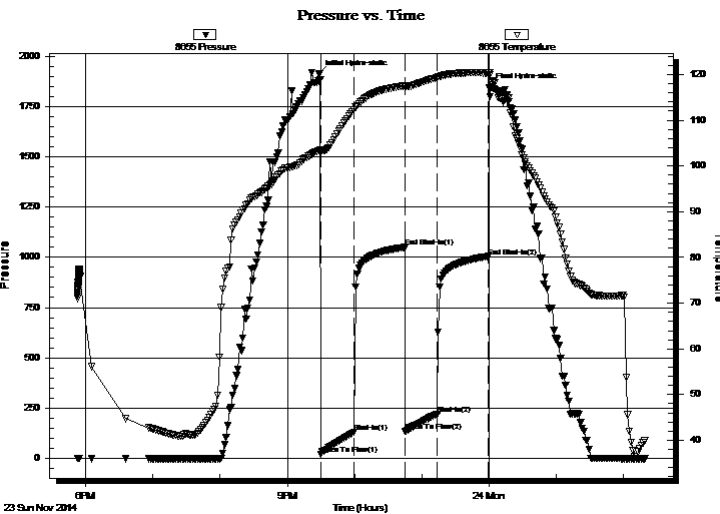
Formation: **LKC "C&D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:29:47
 Time Test Ended: 02:18:47
 Interval: **3772.00 ft (KB) To 3816.00 ft (KB) (TVD)**
 Total Depth: 3816.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brannan Lonsdale
 Unit No: 62
 Reference Elevations: 2435.00 ft (KB)
 2427.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8655

Outside

Press@RunDepth: 221.68 psig @ 3773.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.11.23 End Date: 2014.11.24 Last Calib.: 2014.11.24
 Start Time: 17:52:48 End Time: 02:18:47 Time On Btm: 2014.11.23 @ 21:28:17
 Time Off Btm: 2014.11.24 @ 00:00:17

TEST COMMENT: 30- IF- BOB 11 mins
 45- IS- No blow
 30- FF- BOB 21 mins
 45- FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1910.44	103.36	Initial Hydro-static
2	22.55	103.16	Open To Flow (1)
31	129.84	112.34	Shut-In(1)
77	1049.43	117.52	End Shut-In(1)
77	134.92	117.37	Open To Flow (2)
106	221.68	119.35	Shut-In(2)
151	1003.95	120.31	End Shut-In(2)
152	1841.51	120.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
445.00	MW, 15%M 85%W	5.83
5.00	CO	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&C Oil Operating Inc.

35-8s-25w Graham,KS

PO Box 86
Plainville, KS 67663

Richmeier Unit #35-1

Job Ticket: 58411

DST#: 1

ATTN: Marc Downing

Test Start: 2014.11.23 @ 17:52:47

Tool Information

Drill Pipe:	Length: 3736.00 ft	Diameter: 3.75 inches	Volume: 51.04 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3772.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	64.00 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			3753.00	
Shut In Tool	5.00			3758.00	
Hydraulic tool	5.00			3763.00	
Packer	5.00			3768.00	20.00 Bottom Of Top Packer
Packer	4.00			3772.00	
Stubb	1.00			3773.00	
Recorder	0.00	8651	Inside	3773.00	
Recorder	0.00	8655	Outside	3773.00	
Perforations	7.00			3780.00	
Change Over Sub	1.00			3781.00	
Drill Pipe	31.00			3812.00	
Change Over Sub	1.00			3813.00	
Bullnose	3.00			3816.00	44.00 Bottom Packers & Anchor

Total Tool Length: 64.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H&C Oil Operating Inc.

35-8s-25w Graham,KS

PO Box 86
Plainville, KS 67663

Richmeier Unit #35-1

Job Ticket: 58411

DST#: 1

ATTN: Marc Downing

Test Start: 2014.11.23 @ 17:52:47

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:

75000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
445.00	MW, 15%M 85%W	5.825
5.00	CO	0.068

Total Length: 450.00 ft

Total Volume: 5.893 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

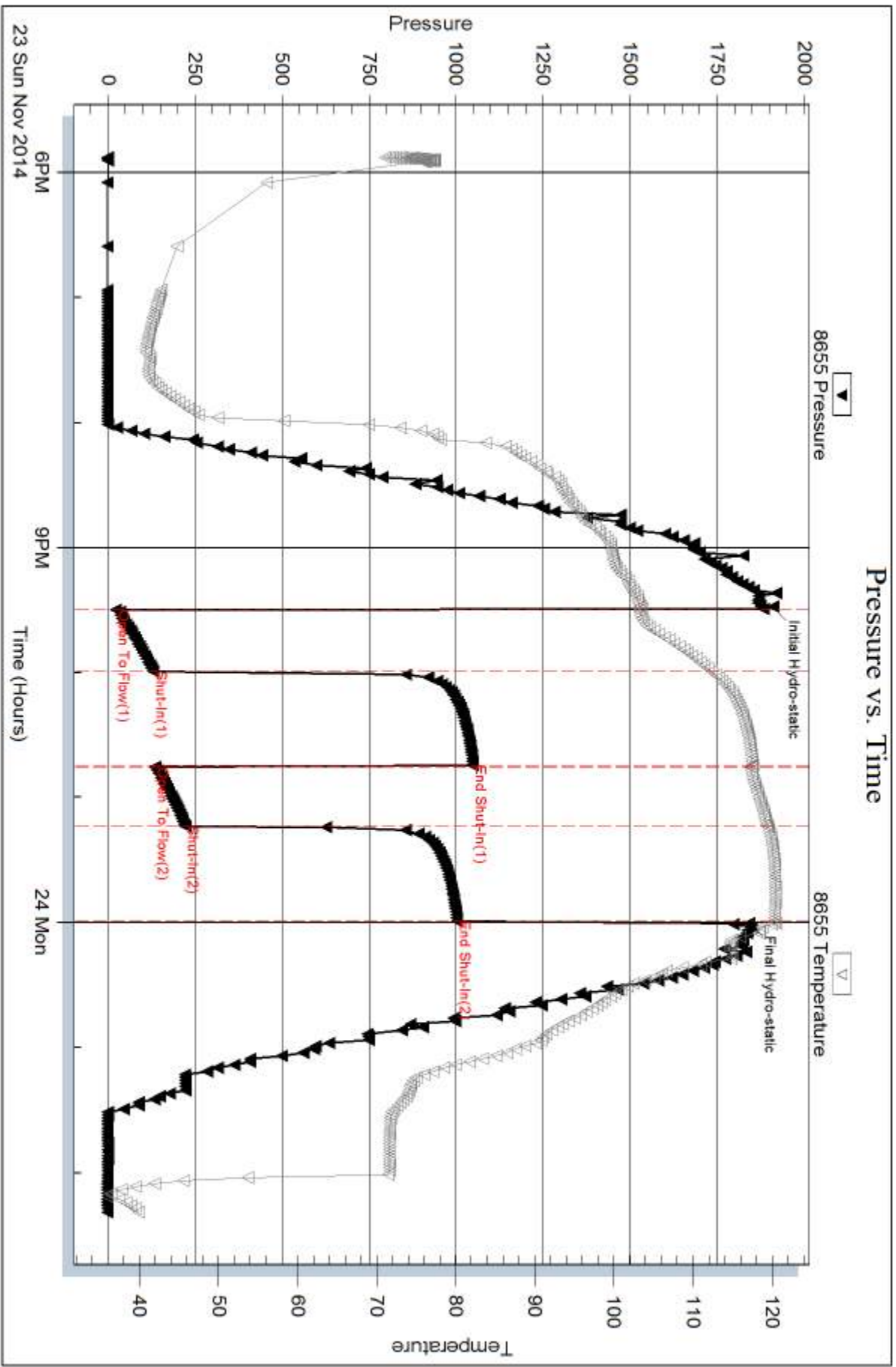
Recovery Comments:

Serial #: 8655

Outside H&C Oil Operating Inc.

Richmeier Unit #35-1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58411

Printed: 2014.11.26 @ 11:23:29

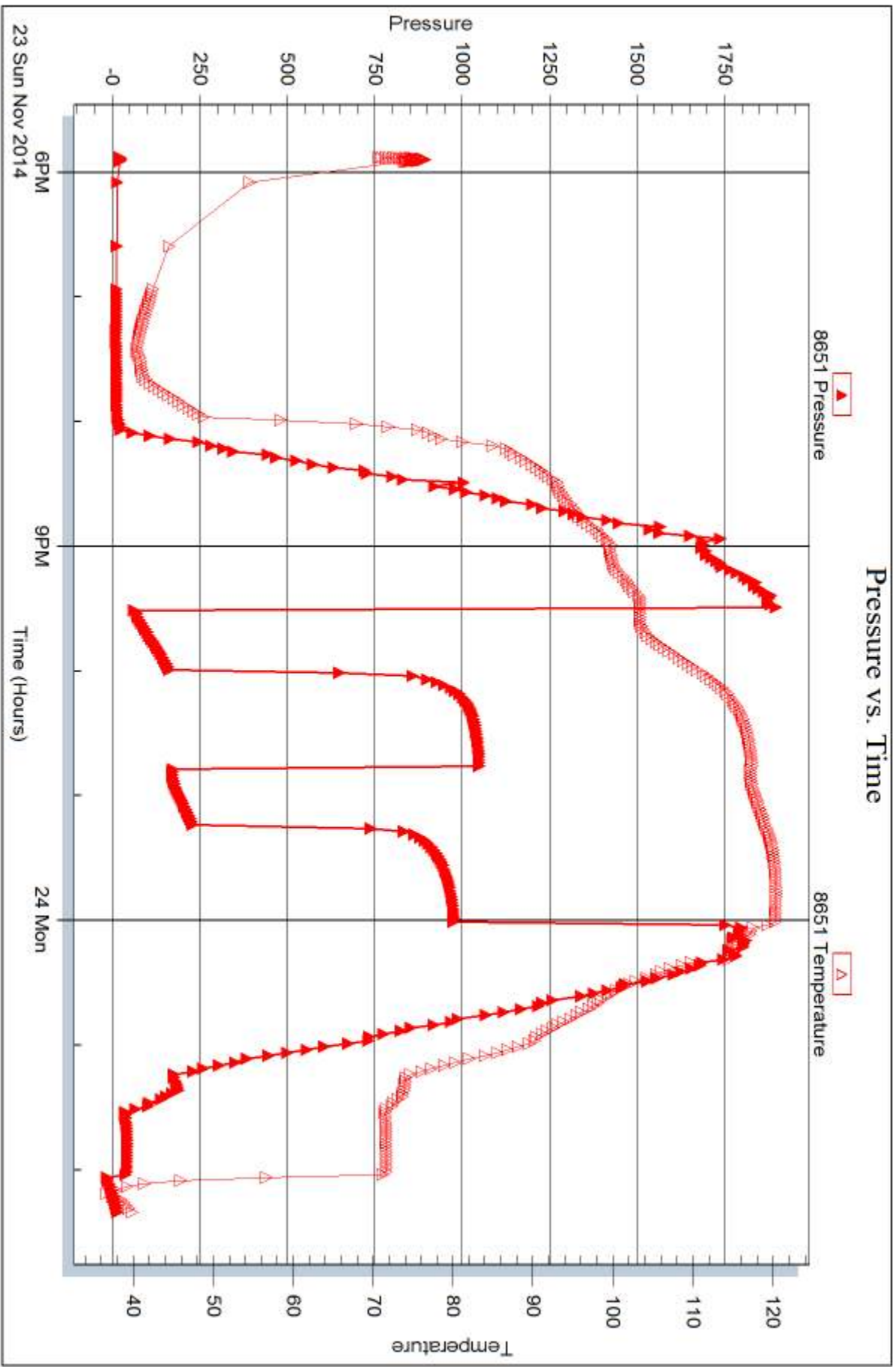
Serial #: 8651

Inside

H&C Oil Operating Inc.

Richmeier Unit #35-1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58411

Printed: 2014.11.26 @ 11:23:29



DRILL STEM TEST REPORT

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

PO Box 86
Plainville, KS 67663

ATTN: Marc Downing

Richmeier Unit #35-1

35-8s-25w Graham,KS

Start Date: 2014.11.24 @ 16:10:51

End Date: 2014.11.25 @ 00:15:21

Job Ticket #: 58412 DST #: 2

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

Printed: 2014.11.26 @ 11:23:08

H&C Oil Operating Inc.

35-8s-25w Graham,KS

Richmeier Unit #35-1

DST # 2

KC "1&J"

2014.11.24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

H&C Oil Operating Inc.

35-8s-25w Graham,KS

PO Box 86
Plainville, KS 67663

Richmeier Unit #35-1

ATTN: Marc Downing

Job Ticket: 58412

DST#: 2

Test Start: 2014.11.24 @ 16:10:51

GENERAL INFORMATION:

Formation: **KC "I&J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:01:51

Time Test Ended: 00:15:21

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 62

Interval: 3898.00 ft (KB) To 3935.00 ft (KB) (TVD)

Reference Elevations: 2435.00 ft (KB)

Total Depth: 3935.00 ft (KB) (TVD)

2427.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8655 Outside

Press@RunDepth: 30.68 psig @ 3899.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.24

End Date:

2014.11.25

Last Calib.: 2014.11.25

Start Time: 16:10:52

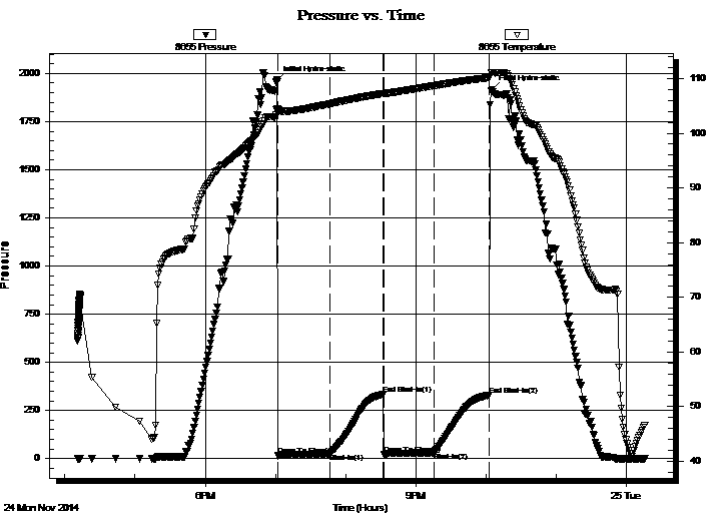
End Time:

00:15:21

Time On Btm: 2014.11.24 @ 19:00:51

Time Off Btm: 2014.11.24 @ 22:04:51

TEST COMMENT: 45- IF- BOB 41mins
45- IS- No blow
45- FF- BOB 20mins
45- FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1965.14	104.31	Initial Hydro-static
1	15.04	103.55	Open To Flow (1)
46	25.42	105.39	Shut-In(1)
91	332.22	107.25	End Shut-In(1)
92	20.51	107.21	Open To Flow (2)
135	30.68	108.69	Shut-In(2)
182	328.45	110.17	End Shut-In(2)
184	1915.86	111.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	SOCM, 5%O 95%M	0.07
40.00	GSMCO, 15%G 5%M 80%O	0.42
0.00	385' 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.

35-8s-25w Graham,KS

PO Box 86
Plainville, KS 67663

Richmeier Unit #35-1

Job Ticket: 58412

DST#: 2

ATTN: Marc Downing

Test Start: 2014.11.24 @ 16:10:51

Tool Information

Drill Pipe:	Length: 3861.00 ft	Diameter: 3.75 inches	Volume: 52.74 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3898.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	57.00 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			3879.00	
Shut In Tool	5.00			3884.00	
Hydraulic tool	5.00			3889.00	
Packer	5.00			3894.00	20.00 Bottom Of Top Packer
Packer	4.00			3898.00	
Stubb	1.00			3899.00	
Recorder	0.00	8651	Inside	3899.00	
Recorder	0.00	8655	Outside	3899.00	
Perforations	1.00			3900.00	
Change Over Sub	1.00			3901.00	
Drill Pipe	30.00			3931.00	
Change Over Sub	1.00			3932.00	
Bullnose	3.00			3935.00	37.00 Bottom Packers & Anchor

Total Tool Length: 57.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H&C Oil Operating Inc.

35-8s-25w Graham,KS

PO Box 86
Plainville, KS 67663

Richmeier Unit #35-1

Job Ticket: 58412

DST#: 2

ATTN: Marc Downing

Test Start: 2014.11.24 @ 16:10:51

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
15.00	SOCM, 5%O 95%M	0.074
40.00	GSMCO, 15%G 5%M 80%O	0.424
0.00	385' GIP	0.000

Total Length: 55.00 ft Total Volume: 0.498 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

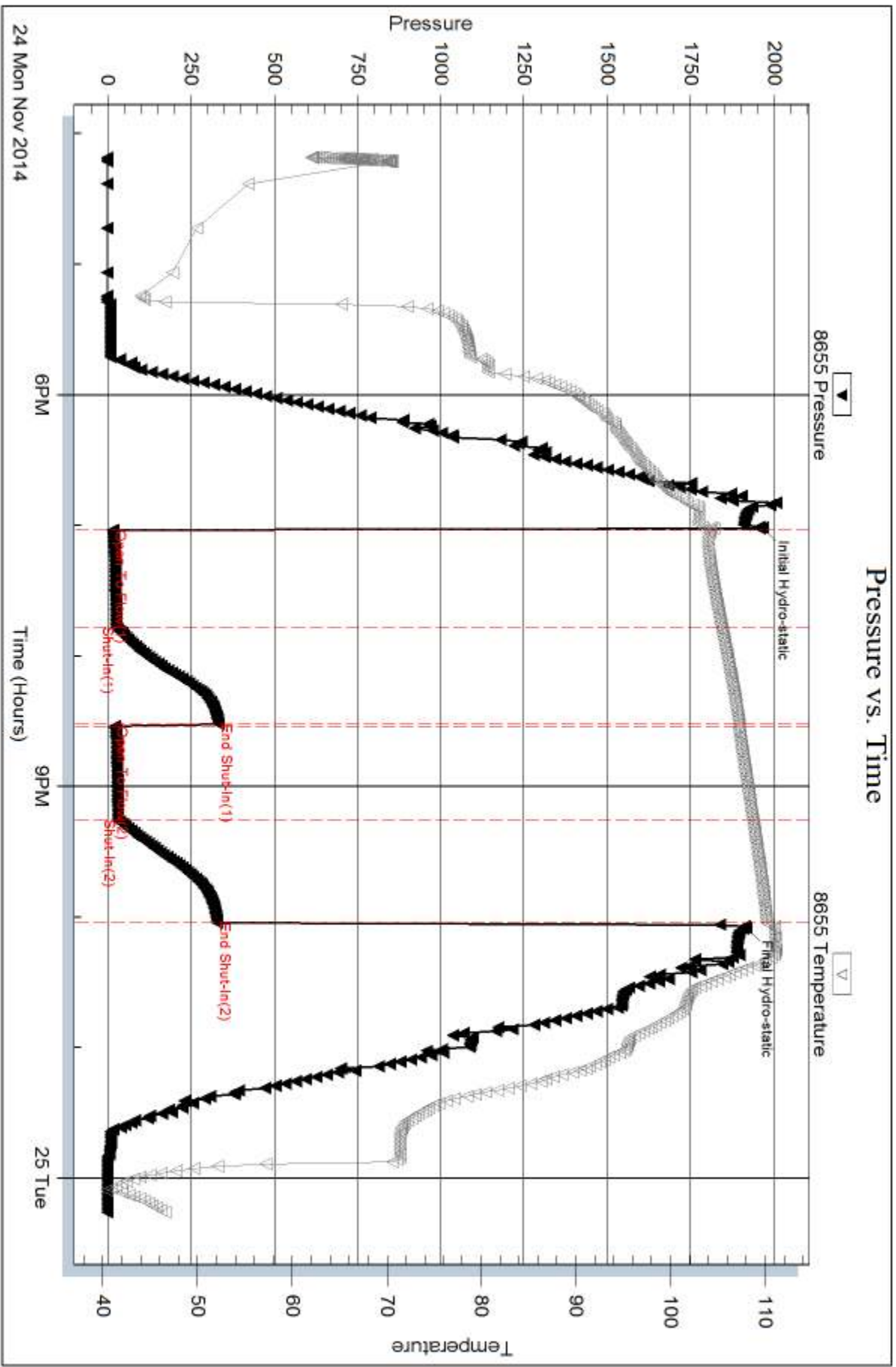
Recovery Comments:

Serial #: 8655

Outside H&C Oil Operating Inc.

Richmeier Unit #35-1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 58412

Printed: 2014.11.26 @ 11:23:09

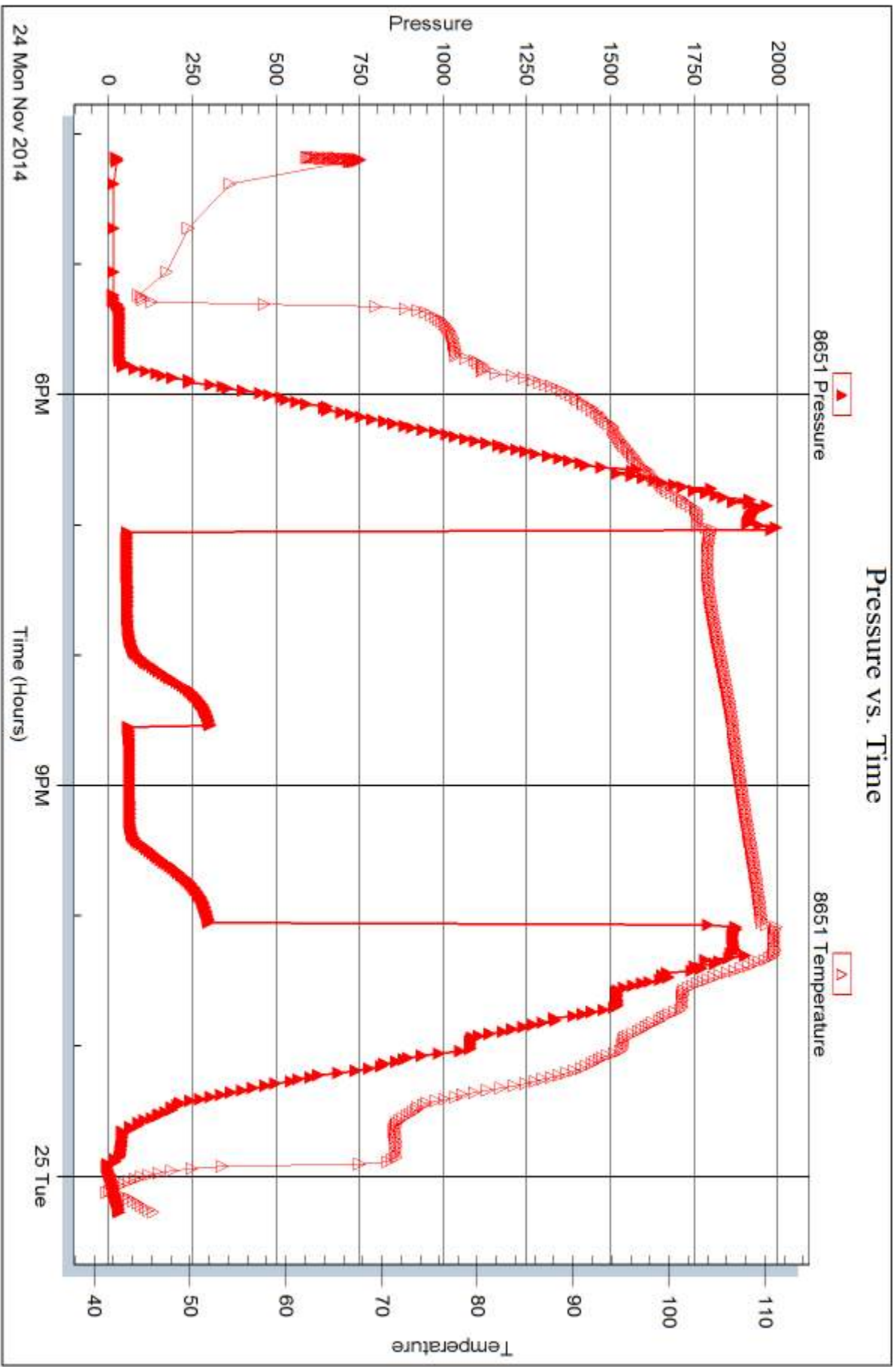
Serial #: 8651

Inside

H&C Oil Operating Inc.

Richmeier Unit #35-1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 58412

Printed: 2014.11.26 @ 11:23:09



DRILL STEM TEST REPORT

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

PO Box 86
Plainville, KS 67663

ATTN: Marc Downing

Richmeier Unit #35-1

35-8s-25w Graham,KS

Start Date: 2014.11.25 @ 08:53:45

End Date: 2014.11.25 @ 15:21:45

Job Ticket #: 58413 DST #: 3

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

Printed: 2014.11.26 @ 11:22:25



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

H&C Oil Operating Inc.

35-8s-25w Graham,KS

PO Box 86
Plainville, KS 67663

Richmeier Unit #35-1

ATTN: Marc Downing

Job Ticket: 58413

DST#: 3

Test Start: 2014.11.25 @ 08:53:45

GENERAL INFORMATION:

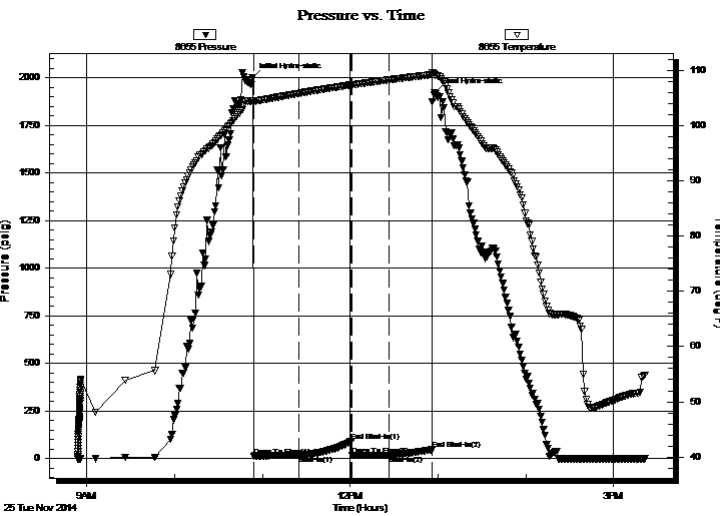
Formation: **KC "K&L"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:54:15
 Time Test Ended: 15:21:45
 Interval: **3934.00 ft (KB) To 3987.00 ft (KB) (TVD)**
 Total Depth: 3987.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale
 Unit No: 62
 Reference Elevations: 2435.00 ft (KB)
 2427.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8655

Outside

Press@RunDepth: 17.29 psig @ 3935.00 ft (KB)
 Start Date: 2014.11.25 End Date: 2014.11.25
 Start Time: 08:53:46 End Time: 15:21:45
 Capacity: 8000.00 psig
 Last Calib.: 2014.11.25
 Time On Btm: 2014.11.25 @ 10:53:15
 Time Off Btm: 2014.11.25 @ 12:57:45

TEST COMMENT: 30- IF- Built very slow ly to 1"
 30- IS- No blow
 30- FF- Sporadic surface blow
 30- FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2000.38	104.53	Initial Hydro-static
1	13.11	104.10	Open To Flow (1)
32	15.38	105.81	Shut-In(1)
68	89.86	107.35	End Shut-In(1)
68	15.62	107.33	Open To Flow (2)
93	17.29	108.26	Shut-In(2)
123	46.65	109.20	End Shut-In(2)
125	1923.53	109.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	M	0.02

* 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.

35-8s-25w Graham,KS

PO Box 86
Plainville, KS 67663

Richmeier Unit #35-1

Job Ticket: 58413

DST#: 3

ATTN: Marc Downing

Test Start: 2014.11.25 @ 08:53:45

Tool Information

Drill Pipe:	Length: 3892.00 ft	Diameter: 3.75 inches	Volume: 53.17 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3934.00 ft			Final 51000.00 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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3915.00	
Shut In Tool	5.00			3920.00	
Hydraulic tool	5.00			3925.00	
Packer	5.00			3930.00	20.00 Bottom Of Top Packer
Packer	4.00			3934.00	
Stubb	1.00			3935.00	
Recorder	0.00	8651	Inside	3935.00	
Recorder	0.00	8655	Outside	3935.00	
Perforations	15.00			3950.00	
Change Over Sub	1.00			3951.00	
Drill Pipe	32.00			3983.00	
Change Over Sub	1.00			3984.00	
Bullnose	3.00			3987.00	53.00 Bottom Packers & Anchor

Total Tool Length: 73.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H&C Oil Operating Inc.

35-8s-25w Graham,KS

PO Box 86
Plainville, KS 67663

Richmeier Unit #35-1

Job Ticket: 58413

DST#: 3

ATTN: Marc Downing

Test Start: 2014.11.25 @ 08:53:45

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	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:

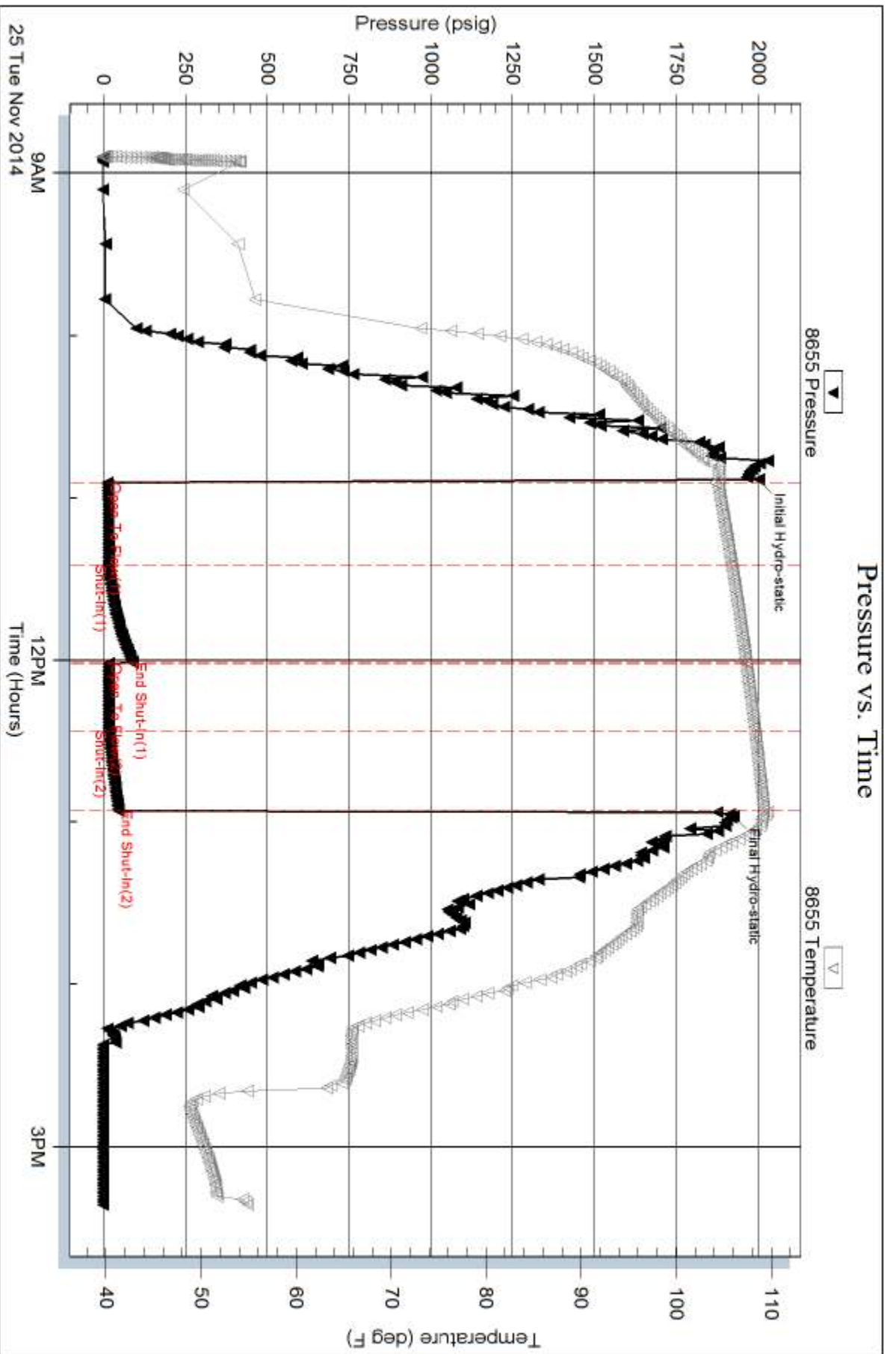
Recovery Comments:

Serial #: 8655

Outside H&C Oil Operating Inc.

Richmeier Unit #35-1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 58413

Printed: 2014.11.26 @ 11:22:26

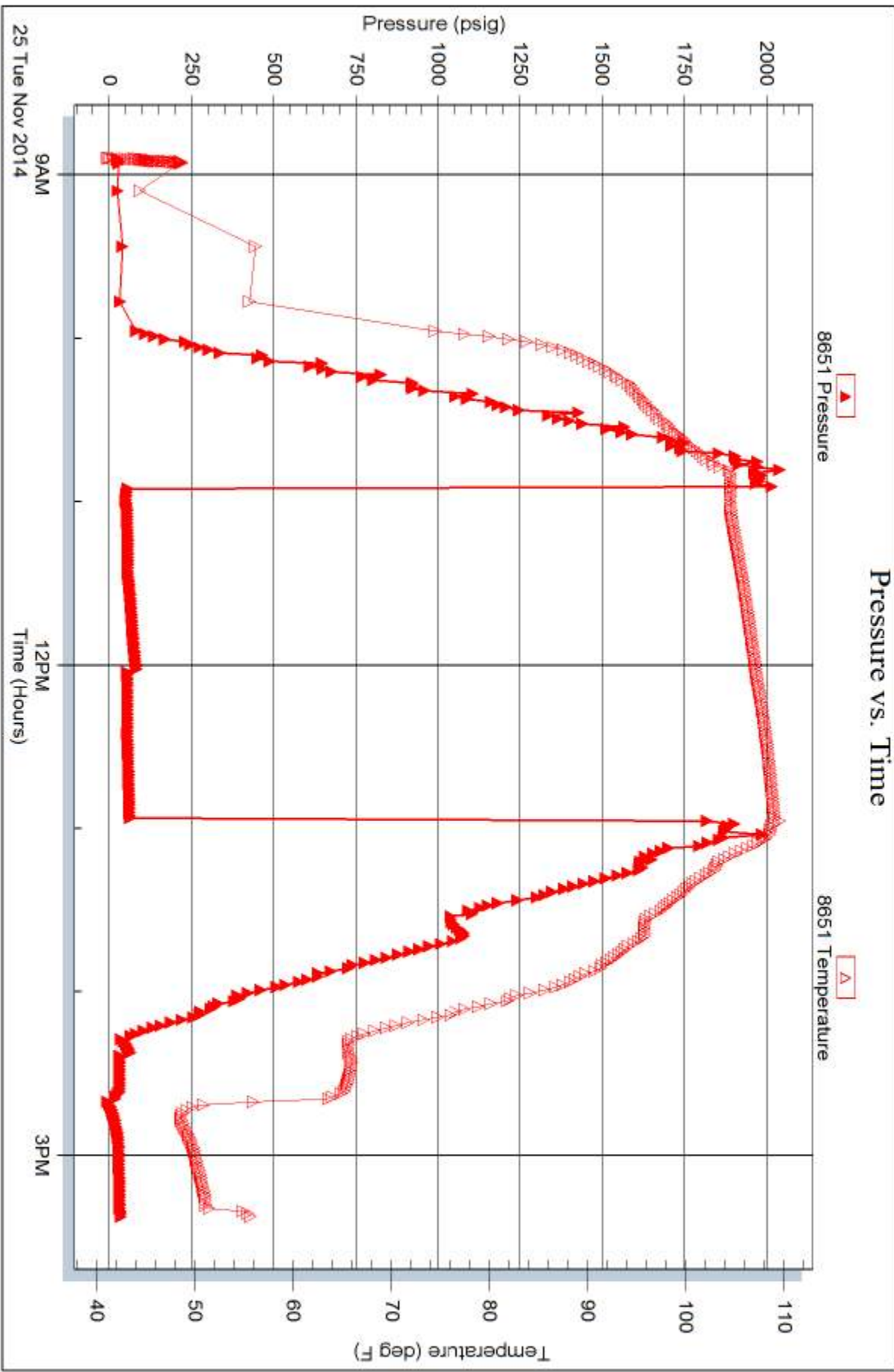
Serial #: 8651

Inside

H&C Oil Operating Inc.

Richmeier Unit #35-1

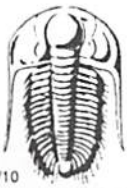
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 58413

Printed: 2014.11.26 @ 11:22:26



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58411

Well Name & No. Richmeier Unit #35-1 Test No. 1 Date 11/23/14
 Company H+C Oil Operating, Inc. Elevation 2435 KB 2427 GL
 Address PO Box 86 Plainville, KS 67663
 Co. Rep / Geo. Marc Downing Rig American Eagle #2
 Location: Sec. 35 Twp. 8 S Rge. 25 W Co. Graham State KS

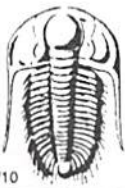
Interval Tested 3772-3816 Zone Tested LKC "B+D"
 Anchor Length 44' Drill Pipe Run 3736 Mud Wt. 9.2
 Top Packer Depth 3767 Drill Collars Run 29 Vis 59
 Bottom Packer Depth 3772 Wt. Pipe Run WL 2.2
 Total Depth 3816 Chlorides 1,100 ppm System LCM Tr
 Blow Description IP - BOB 11mins
ISI - No Blow
FF - BOB 21mins
PSI - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>445</u>	<u>MW</u>			<u>85%</u>	<u>15%</u>
<u>5</u>	<u>CO</u>				

Rec Total 450' BHT 20° Gravity API RW .19 @ 34° F Chlorides 75,000 ppm
 (A) Initial Hydrostatic 1910 Test 1150 T-On Location 1720
 (B) First Initial Flow 23 Jars T-Started 1753
 (C) First Final Flow 130 Safety Joint T-Open 2131
 (D) Initial Shut-In 1049 Circ Sub T-Pulled 0001 11/24
 (E) Second Initial Flow 135 Hourly Standby T-Out 0221
 (F) Second Final Flow 222 Mileage 166 RT 257.30 Comments
 (G) Final Shut-In 1004 Sampler
 (H) Final Hydrostatic 1842 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Initial Open 30 Extra Recorder Sub Total 0
 Initial Shut-In 45 Day Standby Total 1407.30
 Final Flow 30 Accessibility MP/DST Disc't
 Final Shut-In 45 Sub Total 1407.30

Approved By Our Representative Brennan Lonsdale

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. **58412**

Well Name & No. Richmeier Unit #35-1 Test No. 2 Date 11/24/14
 Company H+C Oil Operating, Inc. Elevation 2435 KB 2427 GL
 Address PO Box 86 Plainville, KS 67663
 Co. Rep / Geo. Marc Downing Rig American Eagle #2
 Location: Sec. 35 Twp. 8 S Rge. 25 W Co. Graham State KS

Interval Tested 3898 - 3935 Zone Tested KC "I+J"
 Anchor Length 37' Drill Pipe Run 3861 Mud Wt. 9.4
 Top Packer Depth 3893 Drill Collars Run 29 Vis 51
 Bottom Packer Depth 3898 Wt. Pipe Run --- WL 7.2
 Total Depth 3935 Chlorides 1600 ppm System LCM Tr
 Blow Description IF - BOB 41 mins
ISI - No How
FF - BOB 20 mins
PSF - No How

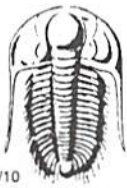
Rec	Feet of	%gas	%oil	%water	%mud
<u>15'</u>	<u>SOCCM</u>		<u>5</u>		<u>95</u>
<u>40'</u>	<u>GSMCO</u>	<u>15</u>	<u>80</u>		<u>5</u>
	<u>385' GIP</u>				

Rec Total 55' BHT 110° Gravity 37 API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic 1965 Test 1150 T-On Location 1555
 (B) First Initial Flow 15 Jars --- T-Started 1611
 (C) First Final Flow 25 Safety Joint --- T-Open 1902
 (D) Initial Shut-In 332 Circ Sub --- T-Pulled 2202
 (E) Second Initial Flow 21 Hourly Standby --- T-Out 0017 11/25
 (F) Second Final Flow 31 Mileage 166 RT 257.30 Comments ---
 (G) Final Shut-In 328 Sampler ---
 (H) Final Hydrostatic 1916 Straddle --- Ruined Shale Packer ---
 Shale Packer --- Ruined Packer ---
 Extra Packer --- Extra Copies ---
 Extra Recorder --- Sub Total 0
 Day Standby --- Total 1407.30
 Accessibility --- MP/DST Disc't ---
 Sub Total 1407.30

Approved By _____ Our Representative Brennan Lonsdale

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. 58413

4/10

Well Name & No. Richmeier Unit #35-1 Test No. 3 Date 11/25/14
 Company H&C Oil Operating, Inc. Elevation 2435 KB 2427 GL
 Address PO Box 86 Plainville, KS 67663
 Co. Rep / Geo. Marc Downing Rig American Eagle #2
 Location: Sec. 35 Twp. 8 S Rge. 25 W Co. Graham State KS

Interval Tested 3934 - 3987 Zone Tested KC "K-2"
 Anchor Length 53 Drill Pipe Run 3892 Mud Wt. 9.6
 Top Packer Depth 3929 Drill Collars Run 29 Vis 60+
 Bottom Packer Depth 3934 Wt. Pipe Run — WL 7.2
 Total Depth 3987 Chlorides 1900 ppm System LCM Tr

Blow Description IF - Built very slowly to 1"
ISI - No blow
FF - Sporadic surface blow
FST - No blow

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

Rec Total 5' BHT 109° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2000 Test 1150 T-On Location 0845
 (B) First Initial Flow 13 Jars — T-Started 0854
 (C) First Final Flow 15 Safety Joint — T-Open 1055
 (D) Initial Shut-In 90 Circ Sub — T-Pulled 1255
 (E) Second Initial Flow 16 Hourly Standby — T-Out 1524
 (F) Second Final Flow 17 Mileage 166 RT 257.30 Comments —
 (G) Final Shut-In 47 Sampler —
 (H) Final Hydrostatic 1924 Straddle — Ruined Shale Packer —
 Shale Packer — Ruined Packer —

Initial Open 30 Extra Packer — Extra Copies 0
 Initial Shut-In 30 Extra Recorder — Sub Total —
 Final Flow 30 Day Standby — Total 1407.30
 Final Shut-In 30 Accessibility — MP/DST Disc't —
 Sub Total 1407.30

Approved By — Our Representative Brannan Lonsdale

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