



DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil, Inc**

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

Kohl A #2-11

Sec. 11-12s-21w Trego, KS

Start Date: 2014.05.05 @ 16:17:00

End Date: 2014.05.06 @ 00:06:00

Job Ticket #: 58885 DST #: 1

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

Printed: 2014.05.08 @ 13:36:04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dreiling Oil, Inc
 PO Box 550
 Hays, KS 67601
 ATTN: Roger Fisher

Sec. 11-12s-21w Trego, KS

Kohl A #2-11

Job Ticket: 58885 **DST#: 1**

Test Start: 2014.05.05 @ 16:17:00

GENERAL INFORMATION:

Formation: **LKC "A-E"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:55:00
 Time Test Ended: 00:06:00
 Interval: **3610.00 ft (KB) To 3730.00 ft (KB) (TVD)**
 Total Depth: 3730.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Phillip Gage
 Unit No: 48
 Reference Elevations: 2362.00 ft (KB)
 2354.00 ft (CF)
 KB to GR/CF: 8.00 ft

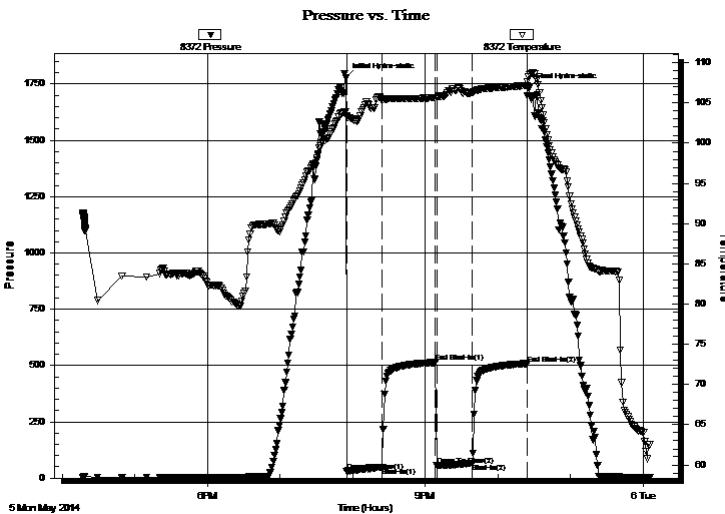
Serial #: 8372

Inside

Press@RunDepth: 66.27 psig @ 3631.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.05 End Date: 2014.05.06 Last Calib.: 2014.05.06
 Start Time: 16:17:01 End Time: 00:06:00 Time On Btm: 2014.05.05 @ 19:54:30
 Time Off Btm: 2014.05.05 @ 22:25:30

TEST COMMENT: 30-IF-Built to 3 3/4"
 45-ISI-No Return
 30-FF-Built to 2 1/2"
 45-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1776.88	103.93	Initial Hydro-static
1	31.68	103.37	Open To Flow (1)
30	49.07	105.38	Shut-In(1)
74	513.74	105.67	End Shut-In(1)
75	57.57	105.63	Open To Flow (2)
105	66.27	106.29	Shut-In(2)
150	507.79	107.17	End Shut-In(2)
151	1731.88	108.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	M, 100%m	1.13

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dreiling Oil, Inc

Sec. 11-12s-21w Trego, KS

PO Box 550
Hays, KS 67601

Kohl A #2-11

Job Ticket: 58885

DST#: 1

ATTN: Roger Fisher

Test Start: 2014.05.05 @ 16:17:00

Tool Information

Drill Pipe:	Length: 3570.00 ft	Diameter: 3.80 inches	Volume: 50.08 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 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: 70000.00 lb
			<u>Total Volume: 50.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3610.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	120.00 ft			
Tool Length:	140.00 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			3591.00	
Shut In Tool	5.00			3596.00	
Hydraulic tool	5.00			3601.00	
Packer	5.00			3606.00	20.00 Bottom Of Top Packer
Packer	4.00			3610.00	
Stubb	1.00			3611.00	
Perforations	20.00			3631.00	
Recorder	0.00	8372	Inside	3631.00	
Recorder	0.00	8321	Outside	3631.00	
Change Over Sub	1.00			3632.00	
Drill Pipe	94.00			3726.00	
Change Over Sub	1.00			3727.00	
Bullnose	3.00			3730.00	120.00 Bottom Packers & Anchor

Total Tool Length: 140.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Dreiling Oil, Inc

Sec. 11-12s-21w Trego, KS

PO Box 550
Hays, KS 67601

Kohl A #2-11

Job Ticket: 58885

DST#: 1

ATTN: Roger Fisher

Test Start: 2014.05.05 @ 16:17:00

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 0.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	M, 100%m	1.129

Total Length: 100.00 ft Total Volume: 1.129 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

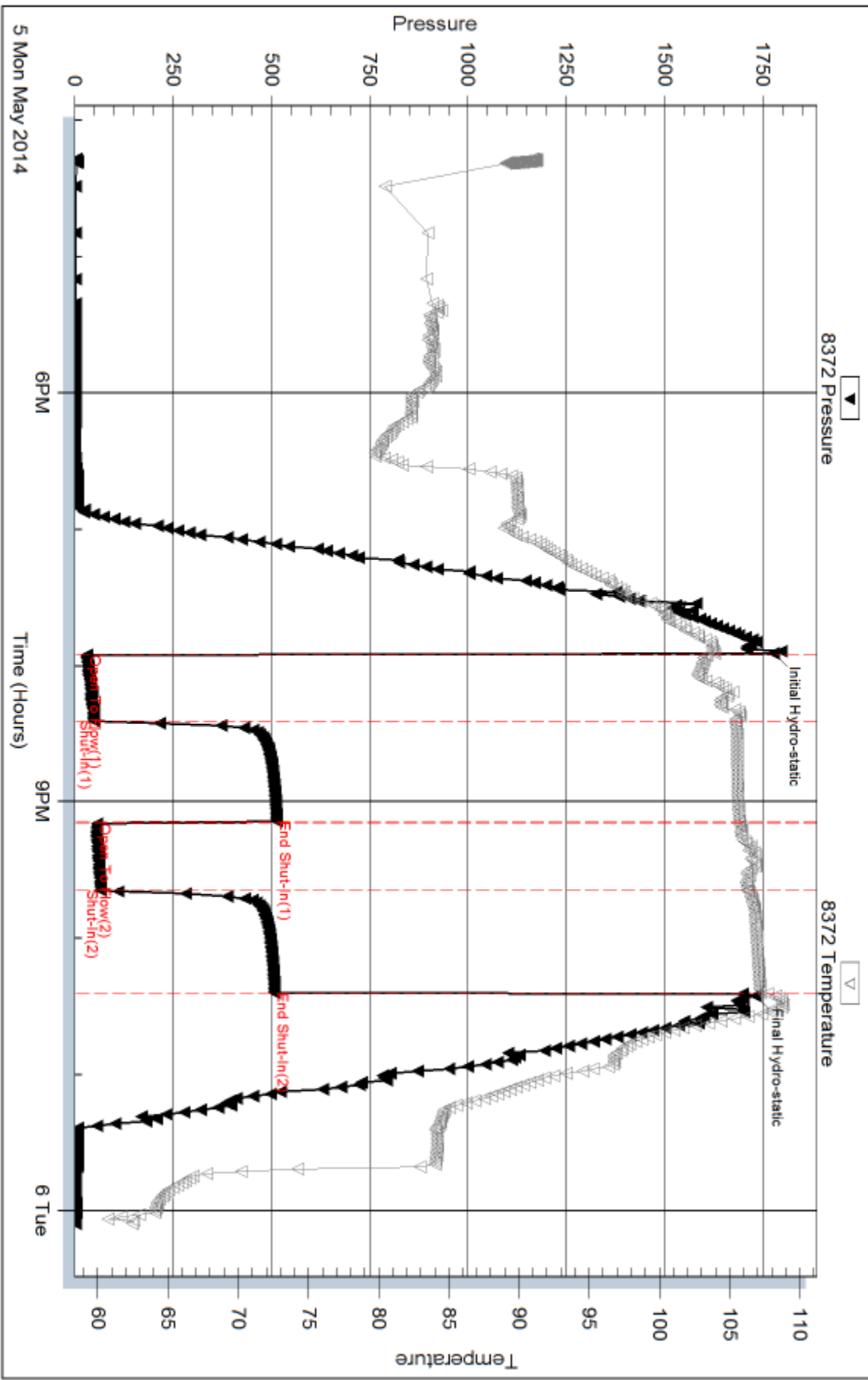
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil, Inc**

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

Kohl A #2-11

Sec. 11-12s-21w Trego, KS

Start Date: 2014.05.06 @ 22:38:00

End Date: 2014.05.07 @ 08:01:30

Job Ticket #: 58886 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.05.08 @ 13:35:08



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dreiling Oil, Inc

Sec. 11-12s-21w Trego, KS

PO Box 550
Hays, KS 67601

Kohl A #2-11

Job Ticket: 58886

DST#: 2

ATTN: Roger Fisher

Test Start: 2014.05.06 @ 22:38:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:13:30

Time Test Ended: 08:01:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Phillip Gage

Unit No: 48

Interval: 3963.00 ft (KB) To 4035.00 ft (KB) (TVD)

Reference Elevations: 2362.00 ft (KB)

Total Depth: 4035.00 ft (KB) (TVD)

2354.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8647 Outside

Press@RunDepth: 30.99 psig @ 3999.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.06

End Date:

2014.05.07

Last Calib.:

2014.05.07

Start Time: 22:38:01

End Time:

08:01:30

Time On Btm:

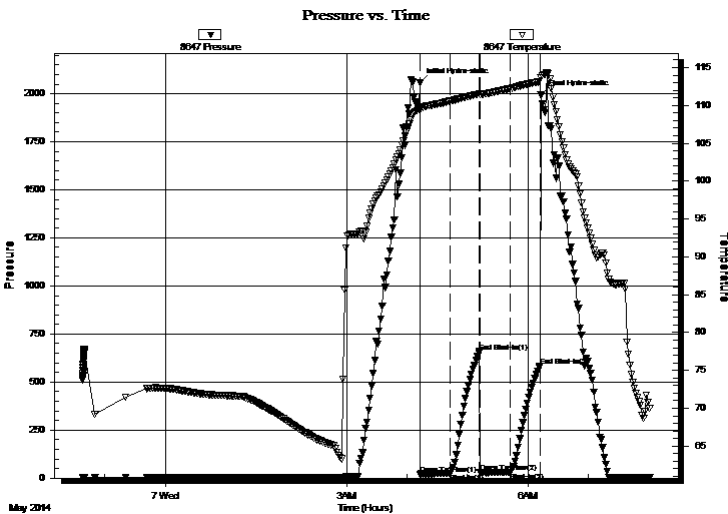
2014.05.07 @ 04:13:00

Time Off Btm:

2014.05.07 @ 06:13:00

TEST COMMENT: 30-IF-Built to 1"
30-ISI-No Return
30-FF-Surface Blow
30-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2055.06	109.75	Initial Hydro-static
1	21.23	109.52	Open To Flow (1)
30	25.53	110.55	Shut-In(1)
59	657.83	111.54	End Shut-In(1)
60	27.87	111.45	Open To Flow (2)
90	30.99	112.22	Shut-In(2)
119	581.52	113.15	End Shut-In(2)
120	1993.04	113.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	O, 100%o	0.02
20.00	VSGOCM, 5%g, 15%o, 80%m	0.10

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dreiling Oil, Inc
 PO Box 550
 Hays, KS 67601
 ATTN: Roger Fisher

Sec. 11-12s-21w Trego, KS

Kohl A #2-11

Job Ticket: 58886

DST#: 2

Test Start: 2014.05.06 @ 22:38:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 04:13:30

Tester: Phillip Gage

Time Test Ended: 08:01:30

Unit No: 48

Interval: 3963.00 ft (KB) To 4035.00 ft (KB) (TVD)

Reference Elevations: 2362.00 ft (KB)

Total Depth: 4035.00 ft (KB) (TVD)

2354.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8372 Inside

Press@RunDepth: psig @ 3999.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.06

End Date:

2014.05.07

Last Calib.:

2014.05.07

Start Time: 22:38:01

End Time:

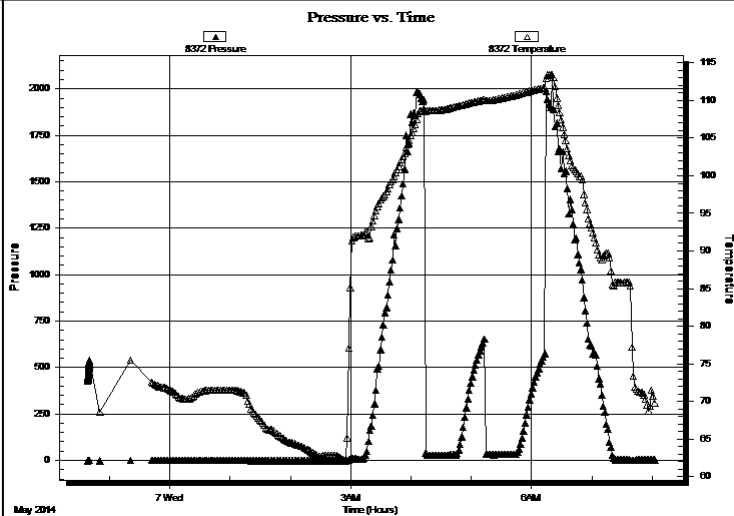
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Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-Built to 1"
 30-ISI-No Return
 30-FF-Surface Blow
 30-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	O, 100%o	0.02
20.00	VSGOCM, 5%g, 15%o, 80%m	0.10

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Dreiling Oil, Inc

Sec. 11-12s-21w Trego, KS

PO Box 550
Hays, KS 67601

Kohl A #2-11

Job Ticket: 58886

DST#: 2

ATTN: Roger Fisher

Test Start: 2014.05.06 @ 22:38:00

Tool Information

Drill Pipe:	Length: 3944.00 ft	Diameter: 3.80 inches	Volume: 55.32 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 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: 60000.00 lb
			<u>Total Volume: 55.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3963.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	92.00 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			3944.00	
Shut In Tool	5.00			3949.00	
Hydraulic tool	5.00			3954.00	
Packer	5.00			3959.00	20.00 Bottom Of Top Packer
Packer	4.00			3963.00	
Stubb	1.00			3964.00	
Perforations	35.00			3999.00	
Recorder	0.00	8372	Inside	3999.00	
Recorder	0.00	8647	Outside	3999.00	
Change Over Sub	1.00			4000.00	
Drill Pipe	31.00			4031.00	
Change Over Sub	1.00			4032.00	
Bullnose	3.00			4035.00	72.00 Bottom Packers & Anchor

Total Tool Length: 92.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Dreiling Oil, Inc

Sec. 11-12s-21w Trego, KS

PO Box 550
Hays, KS 67601

Kohl A #2-11

Job Ticket: 58886

DST#: 2

ATTN: Roger Fisher

Test Start: 2014.05.06 @ 22:38:00

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	O, 100%o	0.025
20.00	VSGOCM, 5%g, 15%o, 80%m	0.098

Total Length: 25.00 ft Total Volume: 0.123 bbl

Num Fluid Samples: 0

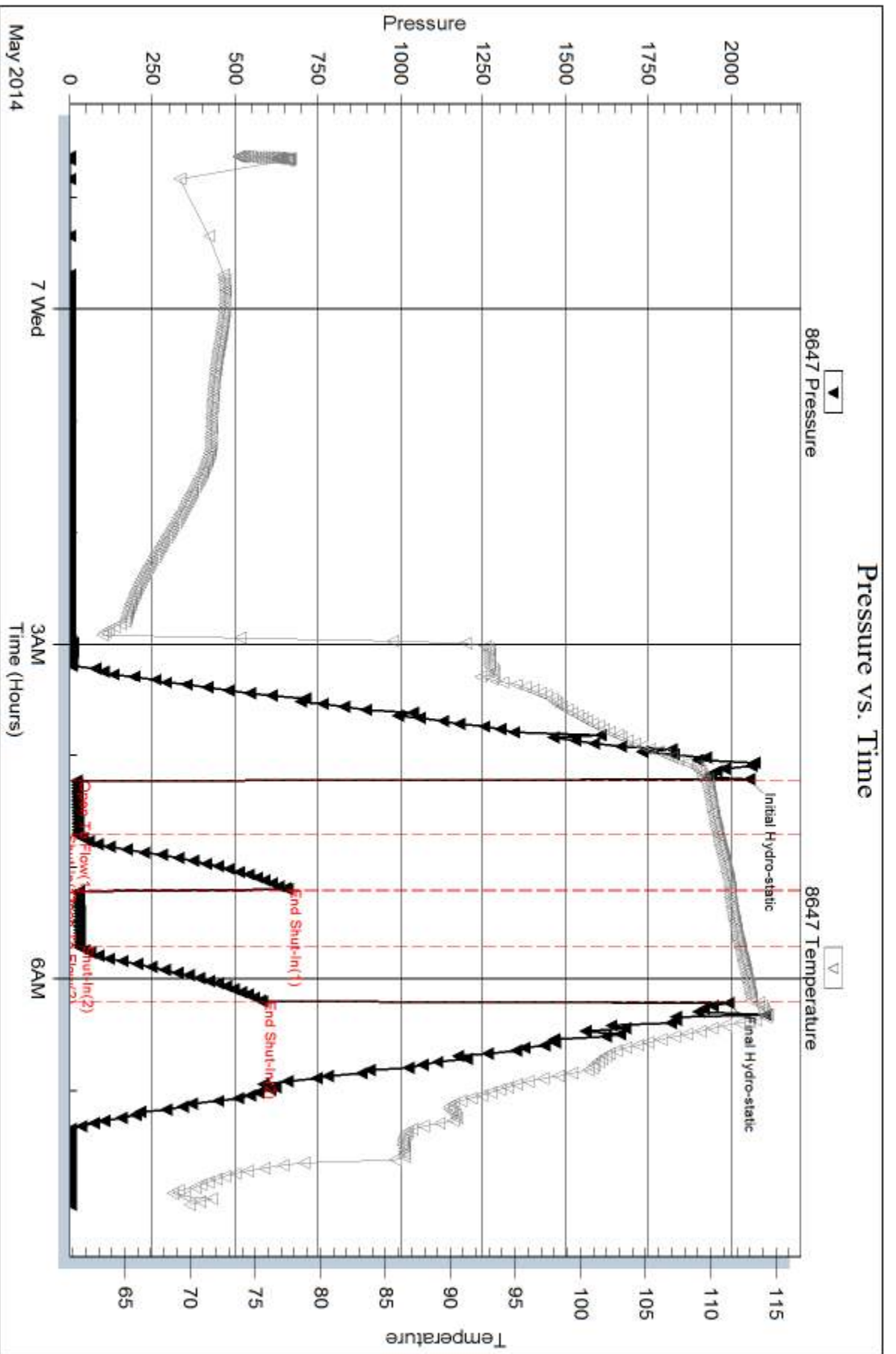
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



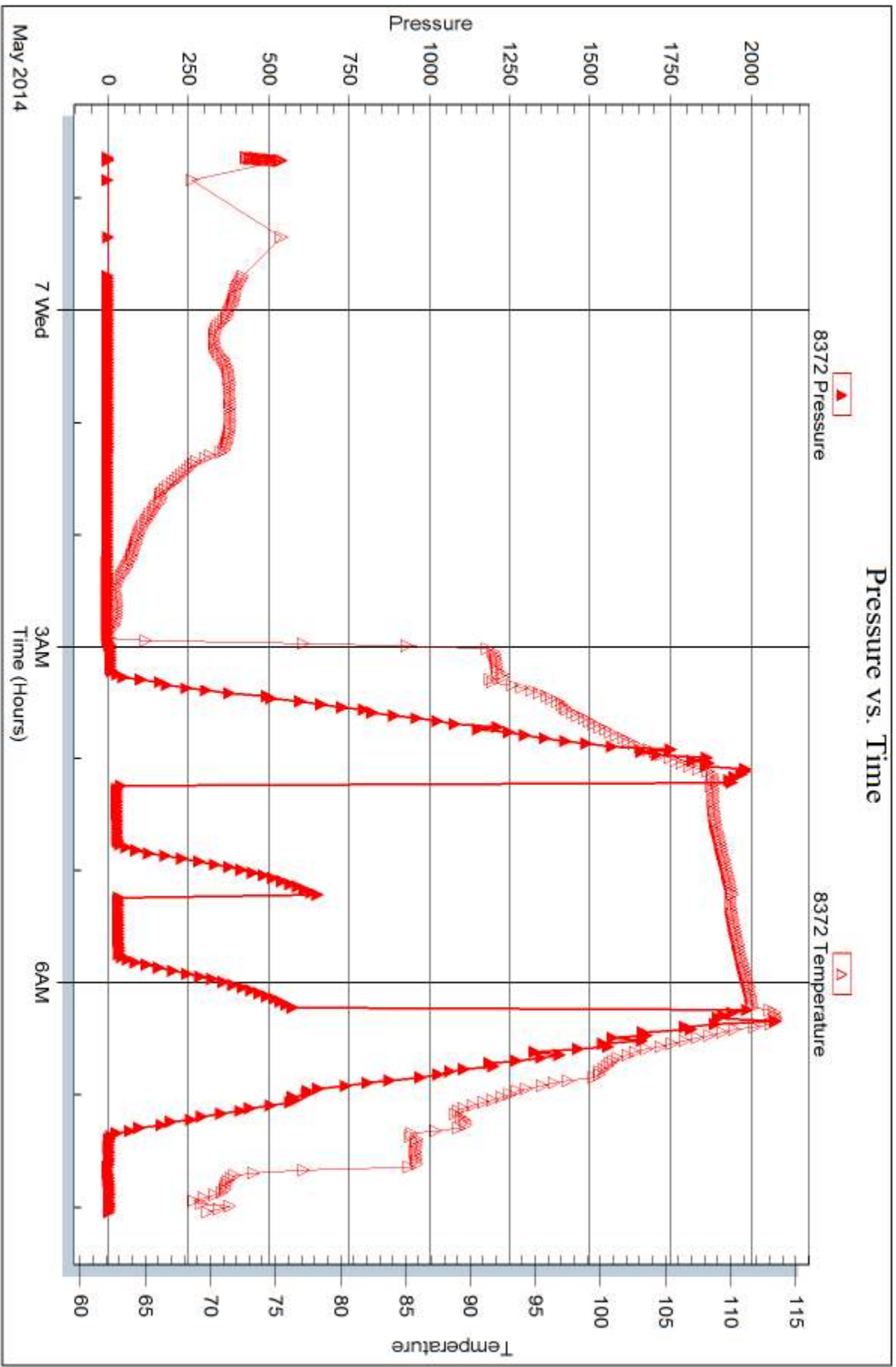
Serial #: 8372

Inside

Dreiling Oil, Inc

Kohl A #2-11

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 58886

Printed: 2014.05.08 @ 13:35:10



DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil, Inc**

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

Kohl A #2-11

Sec. 11-12s-21w Trego, KS

Start Date: 2014.05.07 @ 13:40:00

End Date: 2014.05.07 @ 21:10:00

Job Ticket #: 58887 DST #: 3

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

Printed: 2014.05.08 @ 13:34:36



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dreiling Oil, Inc

Sec. 11-12s-21w Trego, KS

PO Box 550
Hays, KS 67601

Kohl A #2-11

Job Ticket: 58887

DST#: 3

ATTN: Roger Fisher

Test Start: 2014.05.07 @ 13:40:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:16:30

Time Test Ended: 21:10:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Phillip Gage

Unit No: 48

Interval: 4035.00 ft (KB) To 4044.00 ft (KB) (TVD)

Reference Elevations: 2362.00 ft (KB)

Total Depth: 4044.00 ft (KB) (TVD)

2354.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8647 Outside

Press@RunDepth: 49.23 psig @ 4041.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.07 End Date: 2014.05.07

Last Calib.: 2014.05.07

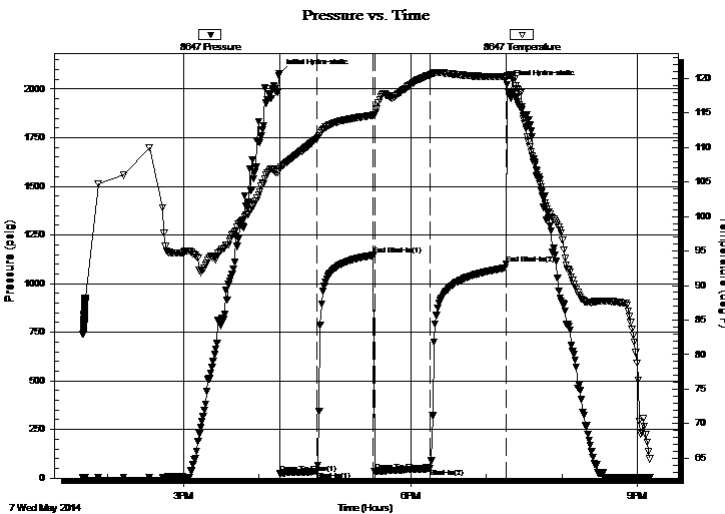
Start Time: 13:40:01 End Time: 21:10:00

Time On Btm: 2014.05.07 @ 16:16:00

Time Off Btm: 2014.05.07 @ 19:16:30

TEST COMMENT: 30-IF-Built to 5 1/2"
45-ISI-No Return
45-FF-Built to 5 3/4"
60-FSI-Weak surface blow at 4 mins, died at 10 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2081.05	106.89	Initial Hydro-static
1	23.63	106.86	Open To Flow (1)
30	33.97	111.28	Shut-In(1)
75	1145.93	114.67	End Shut-In(1)
76	36.12	114.80	Open To Flow (2)
120	49.23	120.49	Shut-In(2)
180	1100.03	119.96	End Shut-In(2)
181	2024.54	120.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	SGOCM, 10%g, 40%o, 50%m	0.61
30.00	SGCO, 10%g, 90%o	0.42

Gas Rates

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

* Recovery from multiple tests



DRILL STEM TEST REPORT

Dreiling Oil, Inc
 PO Box 550
 Hays, KS 67601
 ATTN: Roger Fisher

Sec. 11-12s-21w Trego, KS
Kohl A #2-11
 Job Ticket: 58887 **DST#: 3**
 Test Start: 2014.05.07 @ 13:40:00

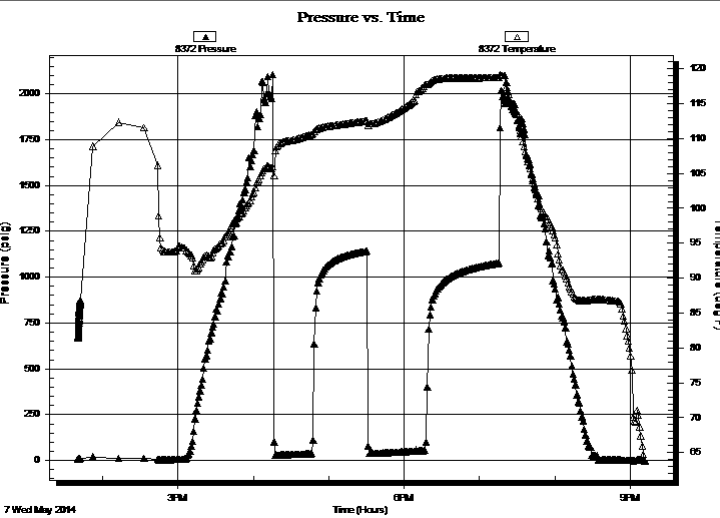
GENERAL INFORMATION:

Formation: Arbuckle	
Deviated: No Whipstock:	ft (KB)
Time Tool Opened: 16:16:30	Test Type: Conventional Bottom Hole (Reset)
Time Test Ended: 21:10:00	Tester: Phillip Gage
	Unit No: 48
Interval: 4035.00 ft (KB) To 4044.00 ft (KB) (TVD)	Reference Elevations: 2362.00 ft (KB)
Total Depth: 4044.00 ft (KB) (TVD)	2354.00 ft (CF)
Hole Diameter: 7.88 inches	KB to GR/CF: 8.00 ft
Hole Condition: Fair	

Serial #: 8372 Inside

Press@RunDepth: psig @ 4041.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2014.05.07 End Date: 2014.05.07	Last Calib.: 2014.05.07
Start Time: 13:40:01 End Time: 21:11:30	Time On Btm:
	Time Off Btm:

TEST COMMENT: 30-IF-Built to 5 1/2"
 45-ISI-No Return
 45-FF-Built to 5 3/4"
 60-FSI-Weak surface blow at 4 mins, died at 10 mins.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
63.00	SGOCM, 10%g, 40%o, 50%m	0.61
30.00	SGCO, 10%g, 90%o	0.42

* Recovery from multiple tests

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dreiling Oil, Inc

Sec. 11-12s-21w Trego, KS

PO Box 550
Hays, KS 67601

Kohl A #2-11

Job Ticket: 58887

DST#: 3

ATTN: Roger Fisher

Test Start: 2014.05.07 @ 13:40:00

Tool Information

Drill Pipe:	Length: 4007.00 ft	Diameter: 3.80 inches	Volume: 56.21 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 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: 61000.00 lb
			<u>Total Volume: 56.36 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4035.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.00 ft			
Tool Length:	29.00 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			4016.00	
Shut In Tool	5.00			4021.00	
Hydraulic tool	5.00			4026.00	
Packer	5.00			4031.00	20.00 Bottom Of Top Packer
Packer	4.00			4035.00	
Stubb	1.00			4036.00	
Perforations	5.00			4041.00	
Recorder	0.00	8372	Inside	4041.00	
Recorder	0.00	8647	Outside	4041.00	
Bullnose	3.00			4044.00	9.00 Bottom Packers & Anchor
Total Tool Length:	29.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Dreiling Oil, Inc

Sec. 11-12s-21w Trego, KS

PO Box 550
Hays, KS 67601

Kohl A #2-11

Job Ticket: 58887

DST#: 3

ATTN: Roger Fisher

Test Start: 2014.05.07 @ 13:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	SGOCM, 10%g, 40%o, 50%m	0.610
30.00	SGCO, 10%g, 90%o	0.421

Total Length: 93.00 ft Total Volume: 1.031 bbl

Num Fluid Samples: 0

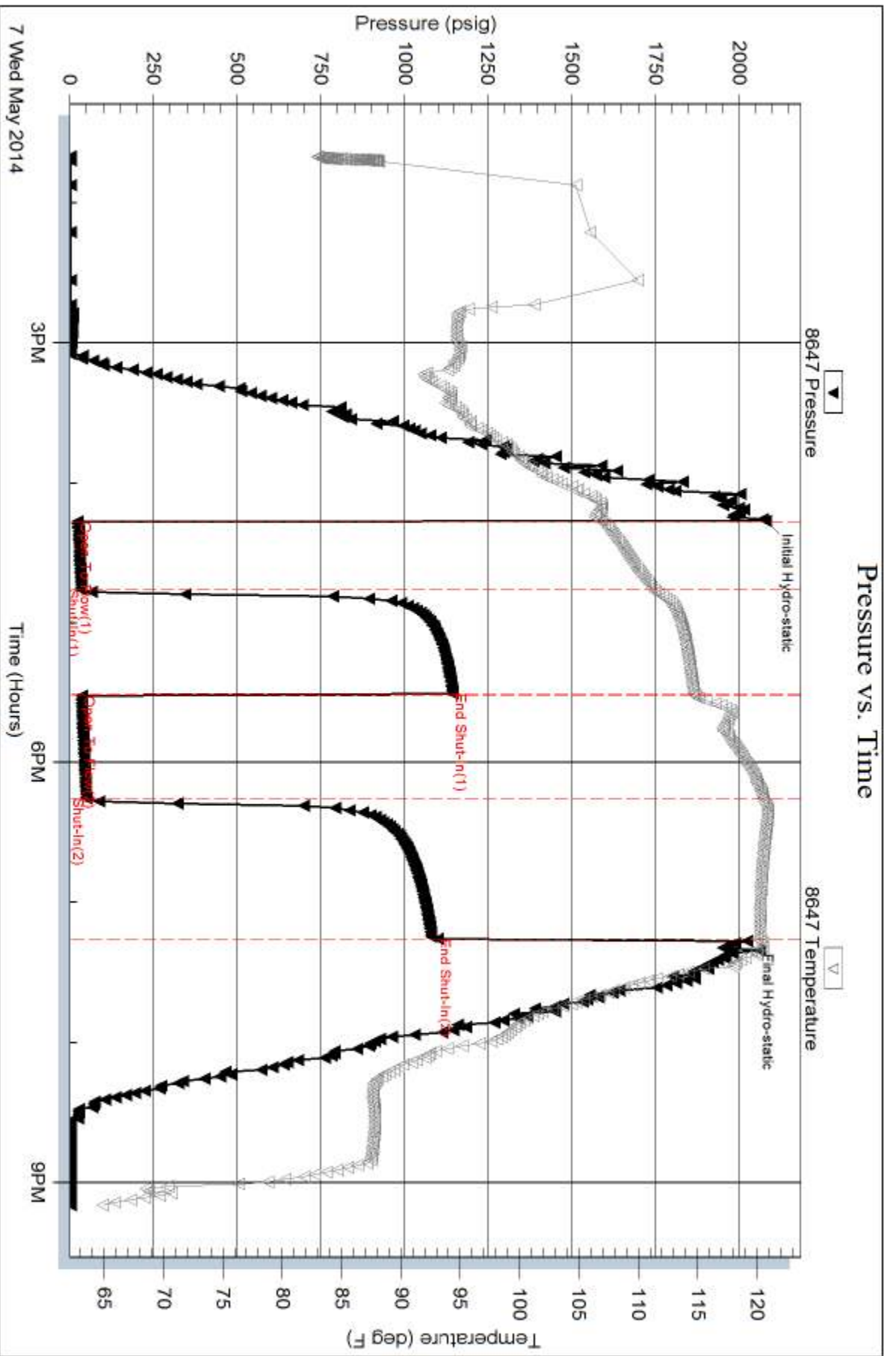
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8372

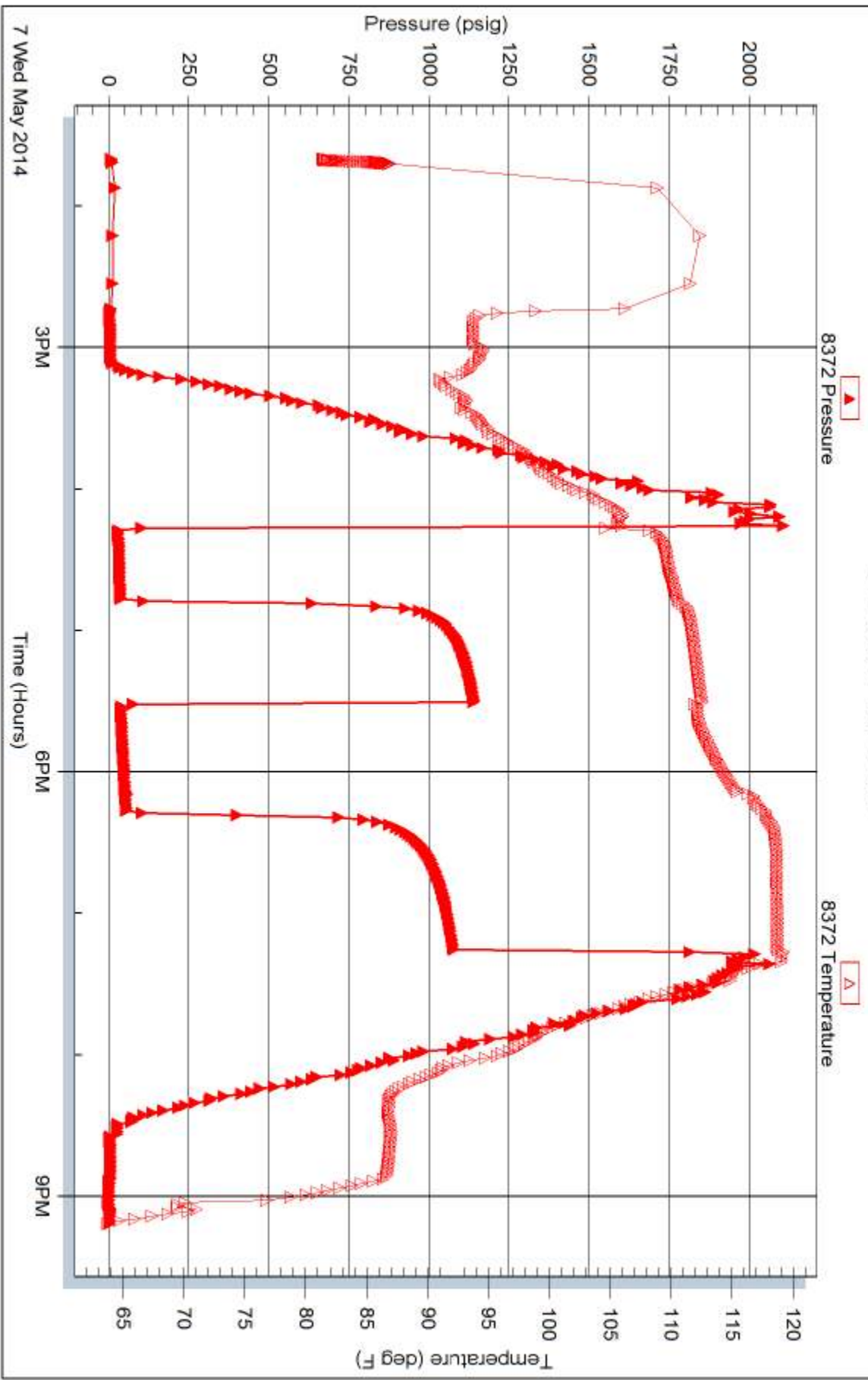
Inside

Dreiling Oil, Inc

Kohl A #2-11

DST Test Number: 3

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 58887

Printed: 2014.05.08 @ 13:34:38



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **58885**

Well Name & No. Kohl A #2-11 Test No. 1 Date 5-5-14
 Company Dreiling Oil Inc Elevation 2362 KB 2354 GL
 Address 1008 Cady AVE, P.O. Box 550 Hays, KS 67601
 Co. Rep / Geo. Roger Fisher Rig Discovery 4
 Location: Sec. 11 Twp. 12s Rge. 2/w Co. Trego State KS

Interval Tested 3610-3730 Zone Tested Lan 'A-E'
 Anchor Length 120 Drill Pipe Run 3570 Mud Wt. 9.2
 Top Packer Depth 3605 Drill Collars Run 30 Vis 54
 Bottom Packer Depth 3610 Wt. Pipe Run 0 WL 10.4
 Total Depth 3730 Chlorides 2,500 ppm System LCM 1/2#

Blow Description IF- Built to 3 3/4"
ISI- No Return
FF- Built to 2 1/2"
FSI- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>100'</u>	<u>M</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 100' BHT 108 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1776 Test 1150 T-On Location 14:23
 (B) First Initial Flow 31 Jars _____ T-Started 16:17
 (C) First Final Flow 49 Safety Joint _____ T-Open 19:55
 (D) Initial Shut-In 513 Circ Sub _____ T-Pulled 22:25
 (E) Second Initial Flow 57 Hourly Standby _____ T-Out 00:07
 (F) Second Final Flow 66 Mileage 54 RT 83.70 Comments _____
 (G) Final Shut-In 507 Sampler _____
 (H) Final Hydrostatic 1731 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 45

Sub Total 1233.70
 Total 1233.70
 MP/DST Disc't _____

Approved By _____ Our Representative Phil Gray *Thank You*
 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. 58886

Well Name & No. Kohl A #2-11 Test No. 2 Date 5-6-14
 Company Drilling Oil Inc Elevation 2362 KB 2354 GL
 Address 1008 Carey AVE, P.O. Box 550 Hays, KS 67601
 Co. Rep / Geo. Roger Fisher Rig Discovery 4
 Location: Sec. 11 Twp. 17s Rge. 21w Co. Trego State KS

Interval Tested 3963-4035 Zone Tested Arbuckle
 Anchor Length 72' Drill Pipe Run 3944 Mud Wt. 9.2
 Top Packer Depth 3958 Drill Collars Run 30 Vis 57
 Bottom Packer Depth 3963 Wt. Pipe Run 0 WL 8
 Total Depth 4035 Chlorides 2,500 ppm System LCM 1 1/2 FF
 Blow Description IF- Built to 1"
ISI- No Return
PF- Surface Blow
FSI- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5'</u>	<u>0</u>		<u>100</u>		
<u>20</u>	<u>VSDOCM</u>	<u>5</u>	<u>15</u>		<u>80</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 25' BHT 108 Gravity 37 API RW @ °F Chlorides — ppm
 (A) Initial Hydrostatic 2055 Test 1250 T-On Location 22:30
 (B) First Initial Flow 21 Jars _____ T-Started 22:38
 (C) First Final Flow 25 Safety Joint _____ T-Open 04:14
 (D) Initial Shut-In 657 Circ Sub _____ T-Pulled 06:14
 (E) Second Initial Flow 27 Hourly Standby _____ T-Out 08:04
 (F) Second Final Flow 30 Mileage 54 RT 83.70 Comments _____
 (G) Final Shut-In 581 Sampler _____
 (H) Final Hydrostatic 1993 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1333.70
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30
 Sub Total 1333.70

Approved By _____ Our Representative D.H. Long Thank You
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58887

Well Name & No. Kohl A # 2-11 Test No. 3 Date 5-7-14
 Company Dreiling Oil Inc. Elevation 2362 KB 2354 GL
 Address 1008 Cody Ave, P.O. Box 550 Hays, KS 67601
 Co. Rep / Geo. Roger Fisher Rig Discovery #4
 Location: Sec. 11 Twp. 12s Rge. 21w Co. Trego State KS

Interval Tested 4035 - 4044 Zone Tested Arb.
 Anchor Length 9' Drill Pipe Run 4007 Mud Wt. 9.3
 Top Packer Depth 4030 Drill Collars Run 30 Vis 57
 Bottom Packer Depth 4035 Wt. Pipe Run — WL 10.4
 Total Depth 4044 Chlorides 5,000 ppm System LCM 1#

Blow Description IF - Built to 5'1/2"
IST - No Return
FF - Built to 5'3/4"
FST - Weak Surface blow @ 4 min, died at 10 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>631</u>	<u>SOLO SOLOCM 10 to 4090</u>			<u>50</u>	
<u>30'</u>	<u>SOLO 10</u>	<u>10</u>	<u>90</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 93 BHT 130 Gravity 35 API RW — °F Chlorides — ppm

(A) Initial Hydrostatic 2081 Test 1250 T-On Location 13:15
 (B) First Initial Flow 23 Jars _____ T-Started 13:40
 (C) First Final Flow 33 Safety Joint _____ T-Open 16:14
 (D) Initial Shut-In 1145 Circ Sub _____ T-Pulled 19:14
 (E) Second Initial Flow 36 Hourly Standby _____ T-Out 21:09
 (F) Second Final Flow 49 Mileage 54.7 83.70 Comments _____
 (G) Final Shut-In 1,100 Sampler _____
 (H) Final Hydrostatic 2024 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 45 Extra Recorder _____ Sub Total 0
 Final Flow 45 Day Standby _____ Total 1333.70
 Final Shut-In 60 Accessibility _____ MP/DST Disc't _____
 Sub Total 1333.70

Approved By _____ Our Representative [Signature] Thank You
 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.