



DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

Thompson Trust #2-1

1-9s-12w-Osborne,KS

Start Date: 2013.01.17 @ 18:24:33

End Date: 2013.01.18 @ 02:03:03

Job Ticket #: 51714 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.01.25 @ 09:49:59



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

1-9s-12w-Osborne, KS
Thompson Trust #2-1
Job Ticket: 51714 **DST#: 1**
Test Start: 2013.01.17 @ 18:24:33

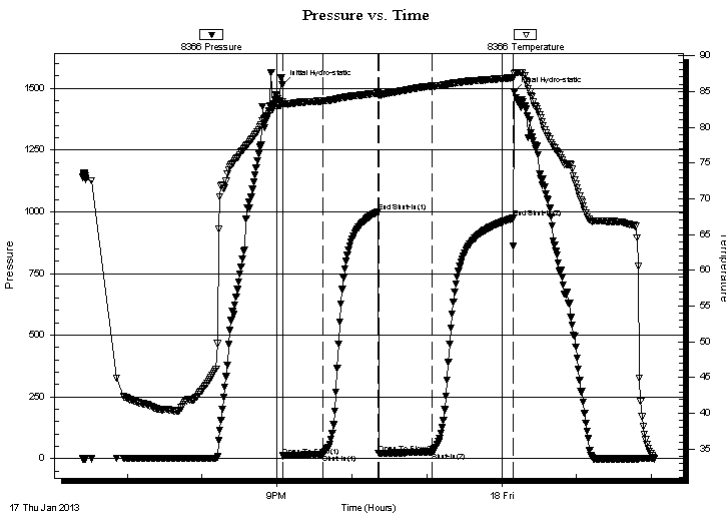
GENERAL INFORMATION:

Formation: **LKC-"A"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:04:33
Time Test Ended: 02:03:03
Interval: **3044.00 ft (KB) To 3080.00 ft (KB) (TVD)**
Total Depth: 3080.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Jason McLemore
Unit No: 54
Reference Elevations: 1876.00 ft (KB)
1869.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8366 Inside
Press @ RunDepth: 27.05 psig @ 3047.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.01.17 End Date: 2013.01.18 Last Calib.: 2013.01.18
Start Time: 18:24:35 End Time: 02:03:03 Time On Btm: 2013.01.17 @ 21:04:18
Time Off Btm: 2013.01.18 @ 00:10:03

TEST COMMENT: IFP-Weak Blow , Built to 1/2"
ISI-Dead
FFP-Weak Blow , Built to 1/4"
FSI-Dead

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1514.20	83.55	Initial Hydro-static
1	11.00	83.10	Open To Flow (1)
33	17.68	83.67	Shut-In(1)
77	1000.42	84.76	End Shut-In(1)
77	22.13	84.46	Open To Flow (2)
120	27.05	85.72	Shut-In(2)
185	973.54	86.91	End Shut-In(2)
186	1486.01	87.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
7.00	Free Oil	0.03
3.00	HOCM-50%O-50%M	0.01

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

1-9s-12w-Osborne, KS
Thompson Trust #2-1
Job Ticket: 51714 **DST#: 1**
Test Start: 2013.01.17 @ 18:24:33

GENERAL INFORMATION:

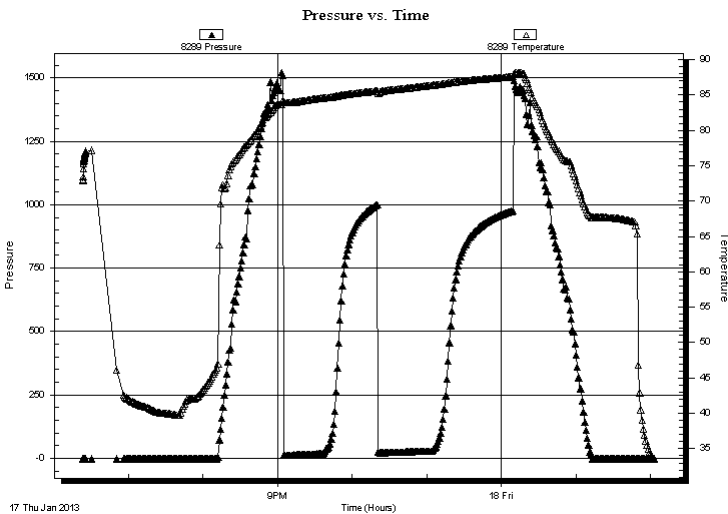
Formation: **LKC-"A"**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 21:04:33
Time Test Ended: 02:03:03
Interval: 3044.00 ft (KB) To 3080.00 ft (KB) (TVD)
Total Depth: 3080.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Reference Elevations: 1876.00 ft (KB)
1869.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8289 Outside

Press @RunDepth: psig @ 3047.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.01.17 End Date: 2013.01.18 Last Calib.: 2013.01.18
Start Time: 18:23:36 End Time: 02:03:19 Time On Btm: Time Off Btm:

TEST COMMENT: IFP-Weak Blow , Built to 1/2"
ISI-Dead
FFP-Weak Blow , Built to 1/4"
FSI-Dead

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
7.00	Free Oil	0.03
3.00	HOCM-50%O-50%M	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dreiling Oil Inc

1-9s-12w-Osborne, KS

PO Box 550
Hays, KS 67601

Thompson Trust #2-1

Job Ticket: 51714

DST#: 1

ATTN: Roger Fisher

Test Start: 2013.01.17 @ 18:24:33

Tool Information

Drill Pipe:	Length: 2911.00 ft	Diameter: 3.80 inches	Volume: 40.83 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 38000.00 lb
			<u>Total Volume: 41.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3044.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	57.00 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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Change Over Sub	1.00			3024.00	
Shut In Tool	5.00			3029.00	
Hydraulic tool	5.00			3034.00	
Packer	5.00			3039.00	21.00 Bottom Of Top Packer
Packer	5.00			3044.00	
Stubb	1.00			3045.00	
Perforations	2.00			3047.00	
Recorder	0.00	8366	Inside	3047.00	
Recorder	0.00	8289	Outside	3047.00	
Perforations	30.00			3077.00	
Bullnose	3.00			3080.00	36.00 Bottom Packers & Anchor

Total Tool Length: 57.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dreiling Oil Inc

1-9s-12w-Osborne,KS

PO Box 550
Hays, KS 67601

Thompson Trust #2-1

Job Ticket: 51714

DST#: 1

ATTN: Roger Fisher

Test Start: 2013.01.17 @ 18:24:33

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
7.00	Free Oil	0.034
3.00	HOCM-50%O-50%M	0.015

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

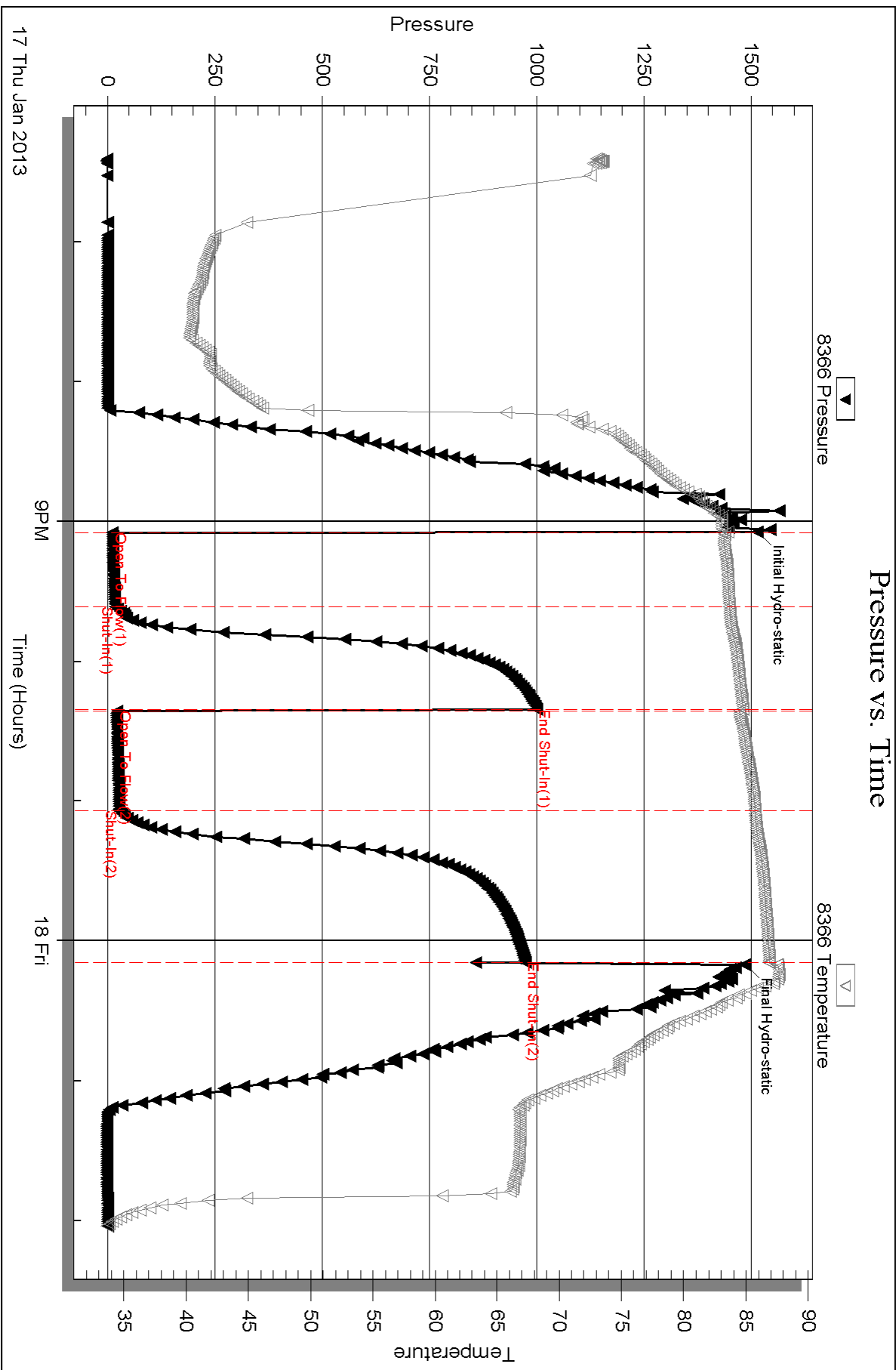
Serial #: 8366

Inside

Dreiling Oil Inc

Thompson Trust #2-1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 51714

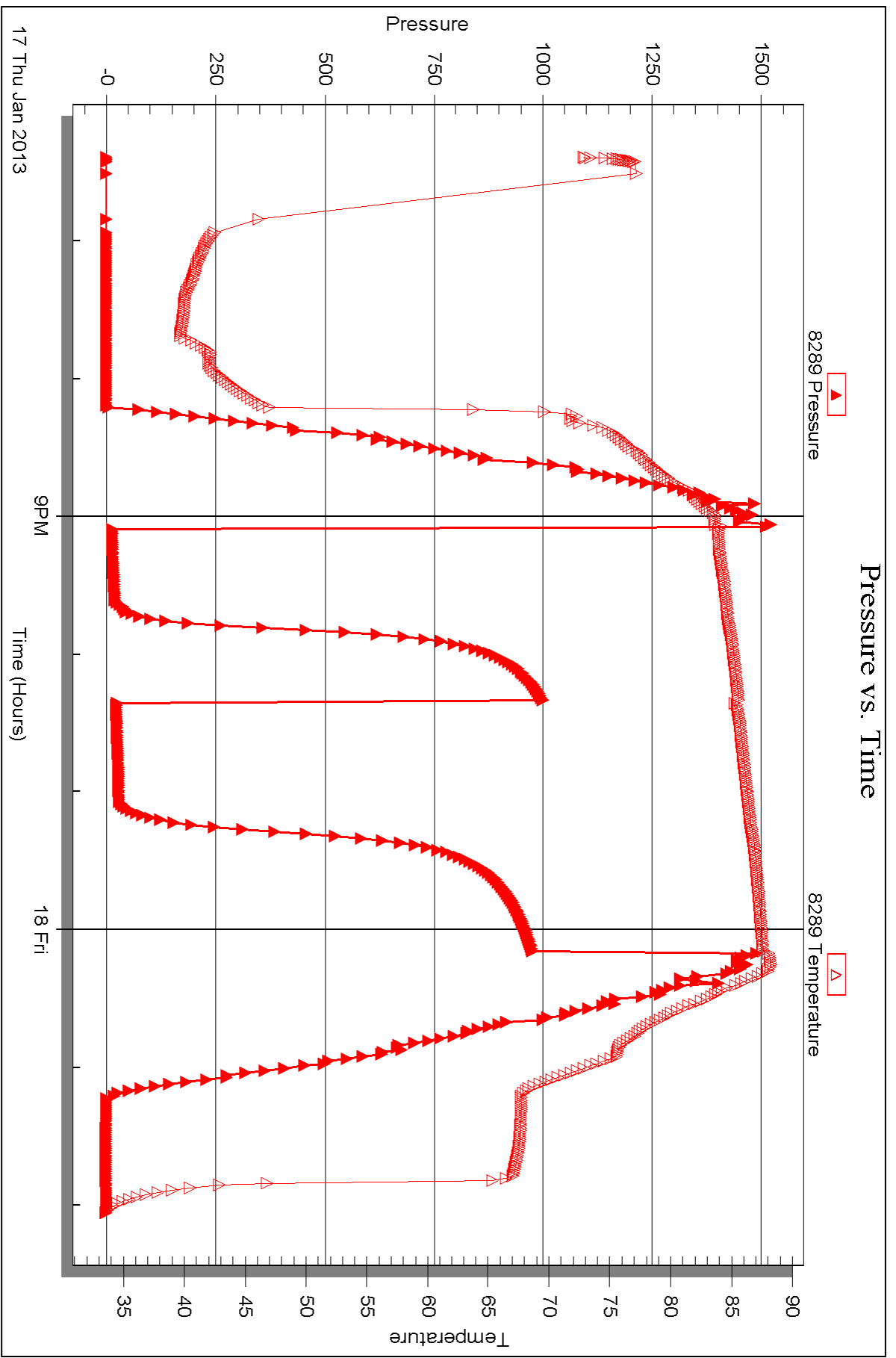
Printed: 2013.01.25 @ 09:50:02

Serial #: 8289

Outside Drilling Oil Inc

Thompson Trust #2-1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

Thompson Trust #2-1

1-9s-12w-Osborne,KS

Start Date: 2013.01.18 @ 07:40:22

End Date: 2013.01.18 @ 13:53:22

Job Ticket #: 51715 DST #: 2

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

Printed: 2013.01.25 @ 09:49:21



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

1-9s-12w-Osborne, KS
Thompson Trust #2-1
 Job Ticket: 51715 **DST#: 2**
 Test Start: 2013.01.18 @ 07:40:22

GENERAL INFORMATION:

Formation: **B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:24:07
 Time Test Ended: 13:53:22
 Interval: **3081.00 ft (KB) To 3110.00 ft (KB) (TVD)**
 Total Depth: 3110.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 1876.00 ft (KB)
 1869.00 ft (CF)
 KB to GR/CF: 7.00 ft

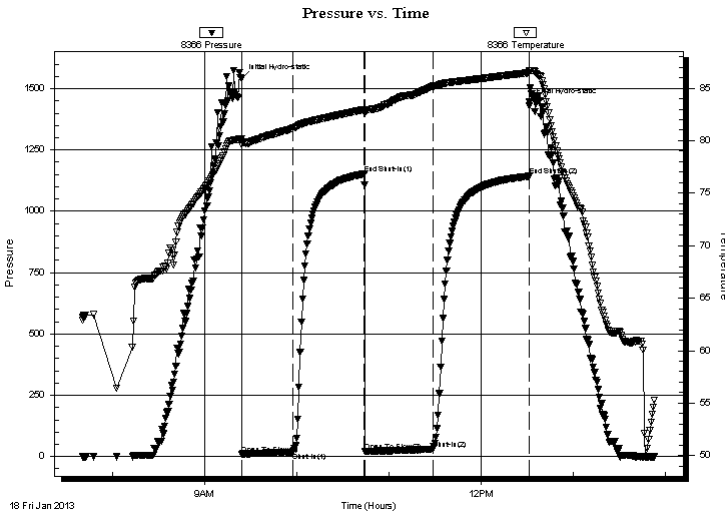
Serial #: 8366

Inside

Press @ Run Depth: 30.12 psig @ 3082.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.01.18 End Date: 2013.01.18 Last Calib.: 2013.01.18
 Start Time: 07:40:24 End Time: 13:53:22 Time On Btm: 2013.01.18 @ 09:23:52
 Time Off Btm: 2013.01.18 @ 12:31:37

TEST COMMENT: IFP-Weak Intermittant Blow
 ISI-Dead
 FFP-Weak Surface Blow
 FSI-Dead

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1541.95	80.19	Initial Hydro-static
1	10.38	79.62	Open To Flow (1)
34	18.58	81.19	Shut-In(1)
80	1152.47	82.97	End Shut-In(1)
81	20.56	82.54	Open To Flow (2)
125	30.12	85.16	Shut-In(2)
188	1143.19	86.46	End Shut-In(2)
188	1444.48	86.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
8.00	Mud W/Oil Specks	0.04

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
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DRILL STEM TEST REPORT

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

1-9s-12w-Osborne, KS
Thompson Trust #2-1
Job Ticket: 51715 **DST#: 2**
Test Start: 2013.01.18 @ 07:40:22

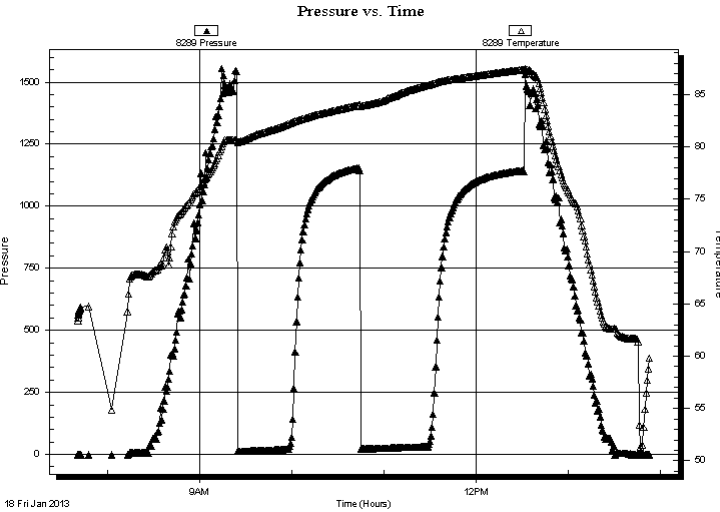
GENERAL INFORMATION:

Formation: **B**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 09:24:07 Tester: Jason McLemore
Time Test Ended: 13:53:22 Unit No: 54
Interval: 3081.00 ft (KB) To 3110.00 ft (KB) (TVD) Reference Elevations: 1876.00 ft (KB)
Total Depth: 3110.00 ft (KB) (TVD) 1869.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 7.00 ft

Serial #: 8289 Outside

Press @ Run Depth: psig @ 3082.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.01.18 End Date: 2013.01.18 Last Calib.: 2013.01.18
Start Time: 07:40:24 End Time: 13:53:37 Time On Btm:
Time Off Btm:

TEST COMMENT: IFP-Weak Intermittant Blow
ISI-Dead
FFP-Weak Surface Blow
FSI-Dead



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
8.00	Mud W/Oil Specks	0.04

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dreiling Oil Inc

1-9s-12w-Osborne, KS

PO Box 550
Hays, KS 67601

Thompson Trust #2-1

Job Ticket: 51715

DST#: 2

ATTN: Roger Fisher

Test Start: 2013.01.18 @ 07:40:22

Tool Information

Drill Pipe:	Length: 2943.00 ft	Diameter: 3.80 inches	Volume: 41.28 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 38000.00 lb
			<u>Total Volume: 41.88 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3081.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 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
Change Over Sub	1.00			3061.00	
Shut In Tool	5.00			3066.00	
Hydraulic tool	5.00			3071.00	
Packer	5.00			3076.00	21.00 Bottom Of Top Packer
Packer	5.00			3081.00	
Stubb	1.00			3082.00	
Recorder	0.00	8366	Inside	3082.00	
Recorder	0.00	8289	Outside	3082.00	
Perforations	25.00			3107.00	
Bullnose	3.00			3110.00	29.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Dreiling Oil Inc

1-9s-12w-Osborne,KS

PO Box 550
Hays, KS 67601

Thompson Trust #2-1

Job Ticket: 51715

DST#: 2

ATTN: Roger Fisher

Test Start: 2013.01.18 @ 07:40:22

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
8.00	Mud W/Oil Specks	0.039

Total Length: 8.00 ft Total Volume: 0.039 bbl

Num Fluid Samples: 0

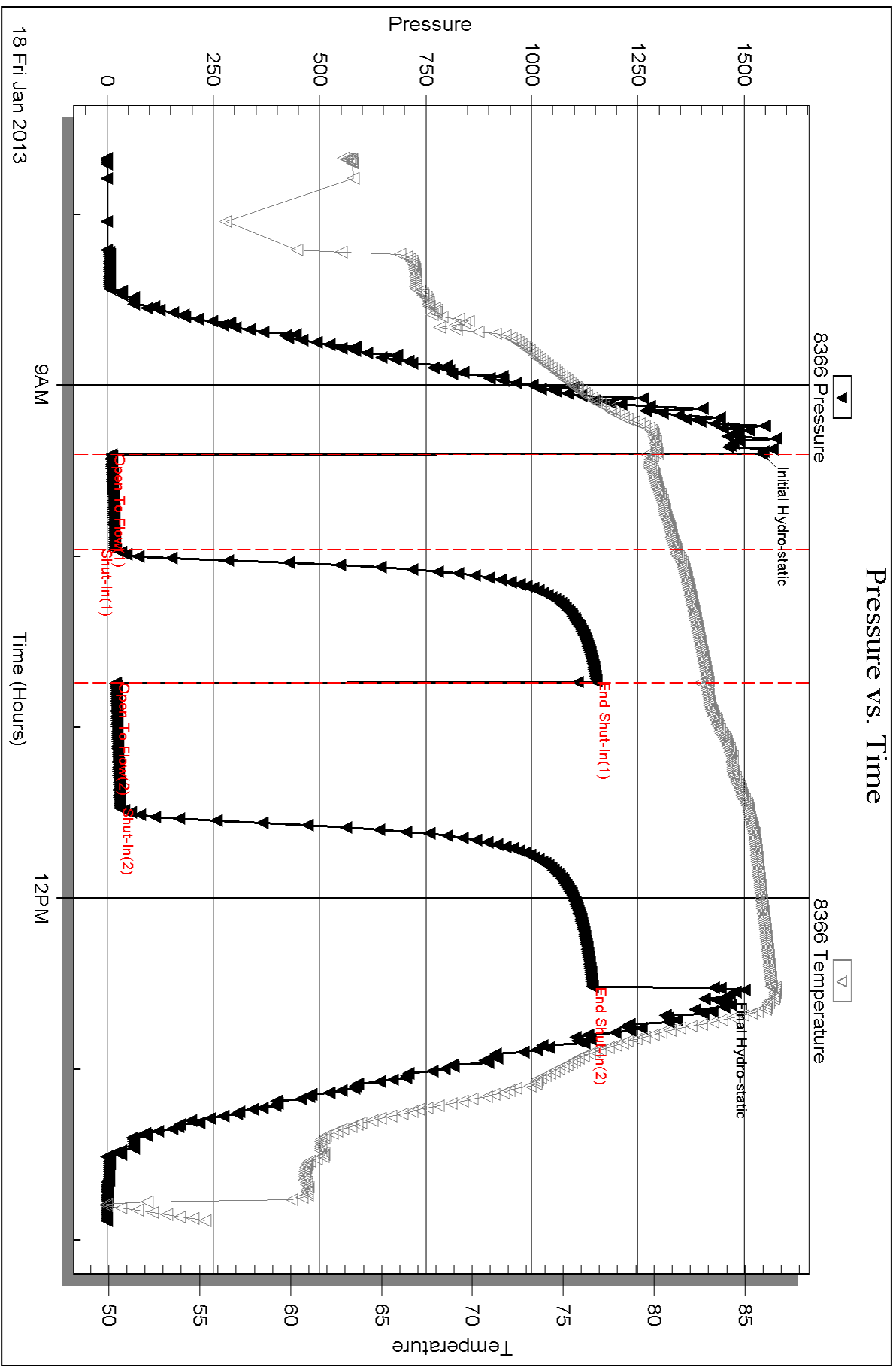
Num Gas Bombs: 0

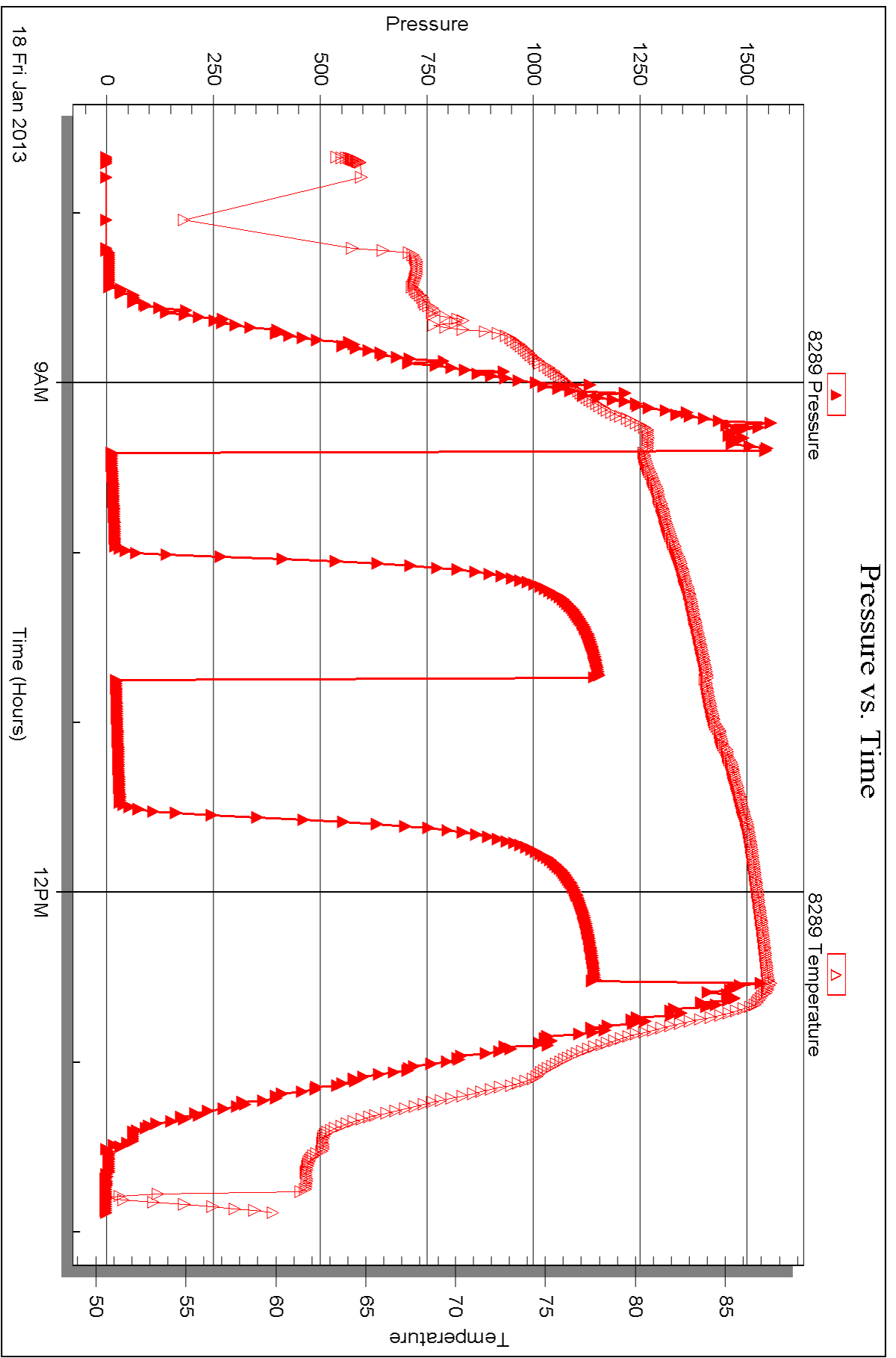
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

Thompson Trust #2-1

1-9s-12w-Osborne,KS

Start Date: 2013.01.18 @ 18:07:38

End Date: 2013.01.19 @ 01:25:23

Job Ticket #: 51716 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.01.25 @ 09:48:43



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dreiling Oil Inc

1-9s-12w-Osborne, KS

PO Box 550
Hays, KS 67601

Thompson Trust #2-1

ATTN: Roger Fisher

Job Ticket: 51716

DST#: 3

Test Start: 2013.01.18 @ 18:07:38

GENERAL INFORMATION:

Formation: **C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:47:38
 Time Test Ended: 01:25:23
 Interval: **3118.00 ft (KB) To 3130.00 ft (KB) (TVD)**
 Total Depth: 3130.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 1876.00 ft (KB)
 1869.00 ft (CF)
 KB to GR/CF: 7.00 ft

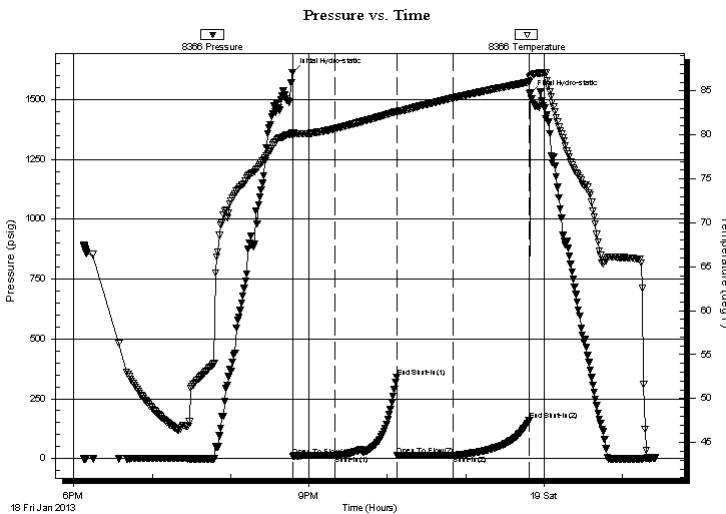
Serial #: 8366

Inside

Press @ Run Depth: 13.36 psig @ 3122.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.01.18 End Date: 2013.01.19 Last Calib.: 2013.01.19
 Start Time: 18:07:40 End Time: 01:25:23 Time On Btm: 2013.01.18 @ 20:47:23
 Time Off Btm: 2013.01.18 @ 23:49:08

TEST COMMENT: IFP-Weak Surface Blow
 ISI-Dead
 FFP-Weak Intermittant Surface Blow
 FSI-Dead

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1613.90	80.26	Initial Hydro-static
1	10.27	79.92	Open To Flow (1)
33	12.83	80.71	Shut-In(1)
80	339.61	82.67	End Shut-In(1)
80	12.88	82.52	Open To Flow (2)
123	13.36	84.18	Shut-In(2)
182	160.65	86.01	End Shut-In(2)
182	1523.34	86.49	Final Hydro-static

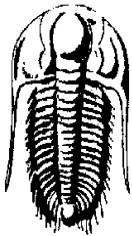
Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud W/Oil Specks-1%O-99%M	0.01

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

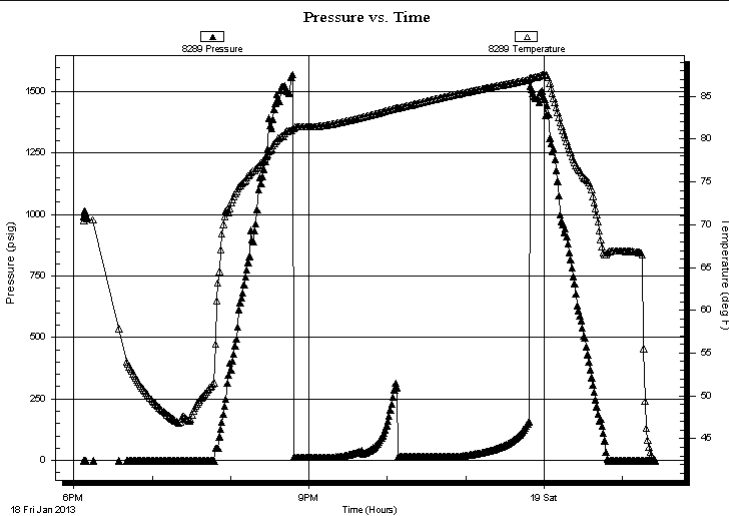
1-9s-12w-Osborne, KS
Thompson Trust #2-1
Job Ticket: 51716 **DST#: 3**
Test Start: 2013.01.18 @ 18:07:38

GENERAL INFORMATION:

Formation: **C**
Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Reset)**
Time Tool Opened: **20:47:38** Tester: **Jason McLemore**
Time Test Ended: **01:25:23** Unit No: **54**
Interval: 3118.00 ft (KB) To 3130.00 ft (KB) (TVD) Reference Elevations: **1876.00 ft (KB)**
Total Depth: **3130.00 ft (KB) (TVD)** **1869.00 ft (CF)**
Hole Diameter: **7.88 inches** Hole Condition: **Good** KB to GR/CF: **7.00 ft**

Serial #: 8289 **Outside**
Press @ Run Depth: **psig @ 3122.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2013.01.18** End Date: **2013.01.19** Last Calib.: **2013.01.19**
Start Time: **18:07:40** End Time: **01:25:53** Time On Btm:
Time Off Btm:

TEST COMMENT: IFP-Weak Surface Blow
ISI-Dead
FFP-Weak Intermittant Surface Blow
FSI-Dead



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud W/Oil Specks-1%O-99%M	0.01

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dreiling Oil Inc

1-9s-12w-Osborne, KS

PO Box 550
Hays, KS 67601

Thompson Trust #2-1

Job Ticket: 51716

DST#: 3

ATTN: Roger Fisher

Test Start: 2013.01.18 @ 18:07:38

Tool Information

Drill Pipe:	Length: 3005.00 ft	Diameter: 3.80 inches	Volume: 42.15 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 38000.00 lb
			<u>Total Volume: 42.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3118.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	33.00 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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Change Over Sub	1.00			3098.00	
Shut In Tool	5.00			3103.00	
Hydraulic tool	5.00			3108.00	
Packer	5.00			3113.00	21.00 Bottom Of Top Packer
Packer	5.00			3118.00	
Stubb	1.00			3119.00	
Perforations	3.00			3122.00	
Recorder	0.00	8366	Inside	3122.00	
Recorder	0.00	8289	Outside	3122.00	
Perforations	5.00			3127.00	
Bullnose	3.00			3130.00	12.00 Bottom Packers & Anchor

Total Tool Length: 33.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dreiling Oil Inc

1-9s-12w-Osborne,KS

PO Box 550
Hays, KS 67601

Thompson Trust #2-1

Job Ticket: 51716

DST#: 3

ATTN: Roger Fisher

Test Start: 2013.01.18 @ 18:07:38

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Mud W/Oil Specks-1%O-99%M	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8366

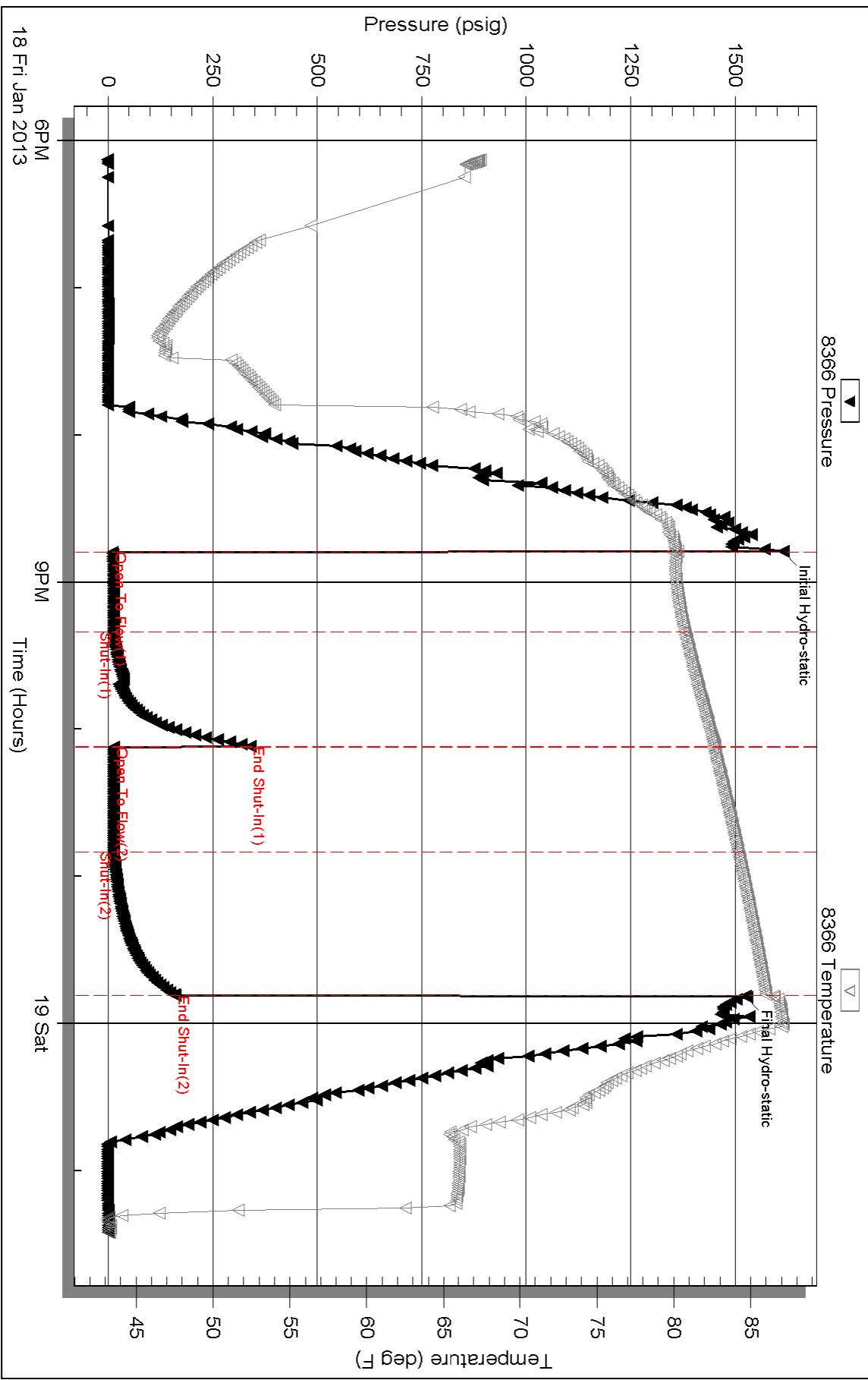
Inside

Dreiling Oil Inc

Thompson Trust #2-1

DST Test Number: 3

Pressure vs. Time

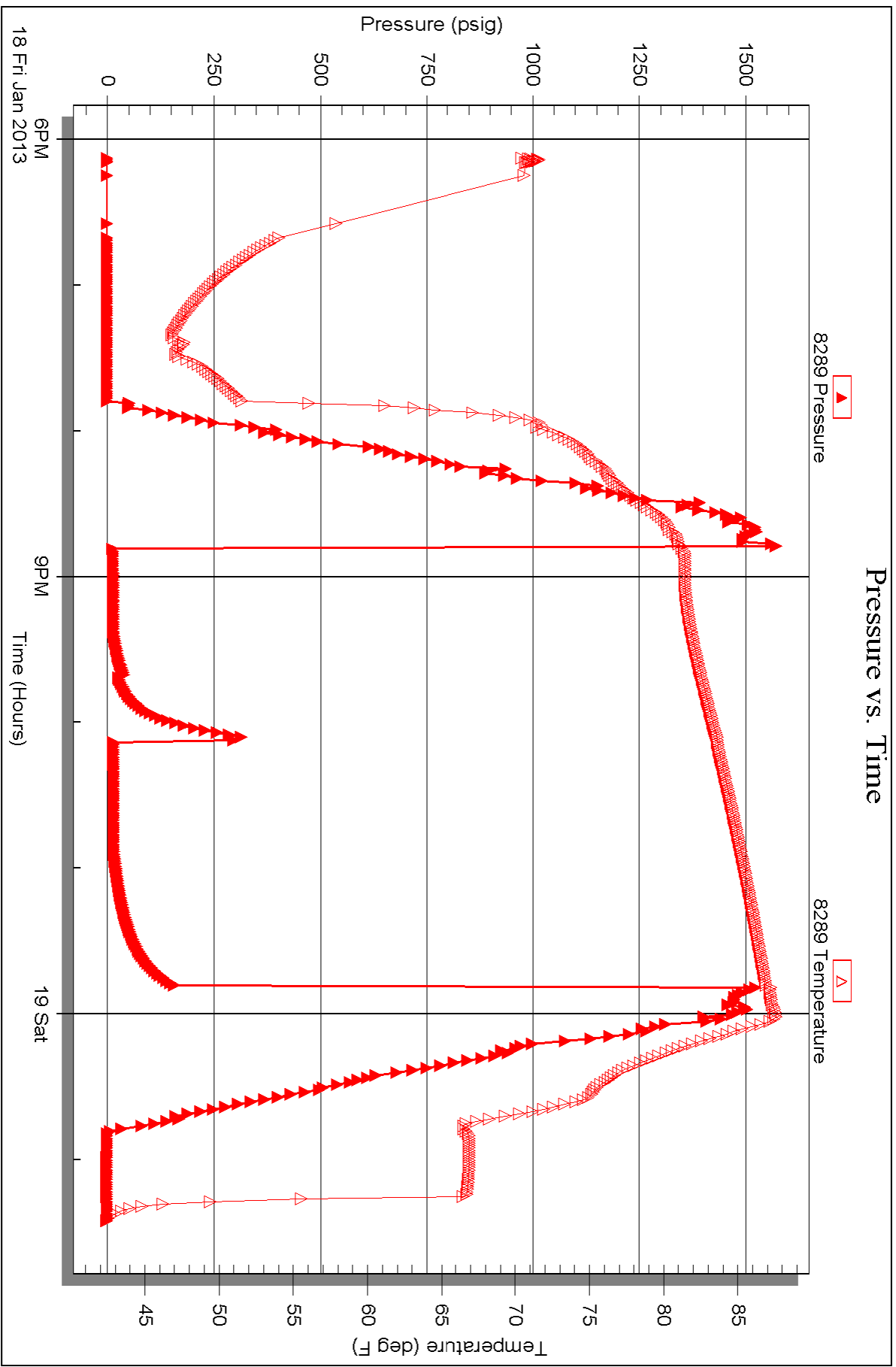


Serial #: 8289

Outside Drilling Oil Inc

Thompson Trust #2-1

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51714

Well Name & No. Thompson Trust #2-1 Test No. 1 Date 1-17-13
 Company Drilling Oil Company Elevation 1876 KB 1869 GL
 Address PO Box 550, Hays, KS, 67600
 Co. Rep / Geo. Roger Fisher Rig WW #12
 Location: Sec. 1 Twp. 9s Rge. 12w Co. Osborne State KS

Interval Tested 3044-3080 Zone Tested "A"
 Anchor Length 35' 36' Drill Pipe Run 2911 Mud Wt. 8.7
 Top Packer Depth 3039 Drill Collars Run 122 Vis 55
 Bottom Packer Depth 3044 Wt. Pipe Run 0 WL 8.0
 Total Depth 3080 Chlorides 1500 ppm System LCM 2 1/2 #
 Blow Description IFP - Weak Blow, Built to 1/2"
ISI - Dead
FFP - Weak Blow, Built to 1/4"
FSI - Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>7</u>	<u>Free Oil</u>				
<u>3</u>	<u>40cm</u>		<u>50</u>		<u>50</u>

Rec Total 10 BHT _____ Gravity 36 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1514 Test 1150 T-On Location 18:11
 (B) First Initial Flow 11 Jars _____ T-Started 18:21
 (C) First Final Flow 18 Safety Joint _____ T-Open 21:06
 (D) Initial Shut-In 1000 Circ Sub _____ T-Pulled 24:06
 (E) Second Initial Flow 22 Hourly Standby _____ T-Out 2:03
 (F) Second Final Flow 27 Mileage 150 ft 232.50 Comments _____
 (G) Final Shut-In 974 Sampler _____
 (H) Final Hydrostatic 1486 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 1382.50
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1382.50

Approved By _____ Our Representative Jason Mc Lemmon *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. 51715

Well Name & No. Thompson Trust #2-1 Test No. 2 Date 1-18-13
 Company Dreiling Oil, Inc. Elevation 1876 KB 1869 GL
 Address PO Box 550, Hays, KS, 67601
 Co. Rep / Geo. Roger Fisher Rig WW#12
 Location: Sec. 1 Twp. 9s Rge. 12w Co. Osborne State KS

Interval Tested 3081 - 3110 Zone Tested B
 Anchor Length 29' Drill Pipe Run 2943 Mud Wt. 8.9
 Top Packer Depth 3076 Drill Collars Run 122 Vis 49
 Bottom Packer Depth 3081 Wt. Pipe Run 0 WL 8.8
 Total Depth 3110 Chlorides 3,000 ppm System LCM 2#
 Blow Description IFP - Weak Intermittant Blow
ISI - Dead
FFP - Weak surface Blow
FSI - Dead

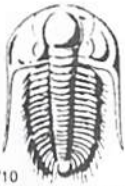
Rec	Feet of	%gas	%oil	%water	%mud
<u>8</u>	<u>Mud w/oil specks</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 8 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1542 Test 1150 T-On Location 7:25
 (B) First Initial Flow 10 Jars _____ T-Started 7:38
 (C) First Final Flow 19 Safety Joint _____ T-Open 9:26
 (D) Initial Shut-In 1152 Circ Sub _____ T-Pulled 12:26
 (E) Second Initial Flow 21 Hourly Standby _____ T-Out 13:54
 (F) Second Final Flow 30 Mileage 232.50 Comments _____
 (G) Final Shut-In 1143 Sampler _____
 (H) Final Hydrostatic 1444 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1382.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1382.50

Approved By _____ Our Representative Jason McLawrence *thank you*

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51716

4/10

Well Name & No. Thompson Trust #2-1 Test No. 3 Date 1-18-13
 Company Dreiling Oil, Inc. Elevation 1876 KB 1869 GL
 Address PO Box 550, Hays, KS. 67601
 Co. Rep / Geo. Roger Fisher Rig WW#12
 Location: Sec. 1 Twp. 9s Rge. 12w Co. Osborne State KS

Interval Tested 3118-3130 Zone Tested C
 Anchor Length 12 Drill Pipe Run 3005 Mud Wt. 8.9
 Top Packer Depth 3113 Drill Collars Run 122 Vis 49
 Bottom Packer Depth 3118 Wt. Pipe Run 0 WL 8.8
 Total Depth 3130 Chlorides 3,000 ppm System LCM 2^F
 Blow Description I FP - Weak Surface Blow
TSI - Dead
FFP - Weak Intermittant Surface Blow
FSI - Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>3</u>	<u>Mud w/oil specks</u>		<u>1</u>		<u>99</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 3 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1614 Test 1150 T-On Location 17:45
 (B) First Initial Flow 10 Jars _____ T-Started 18:05
 (C) First Final Flow 13 Safety Joint _____ T-Open 20:47
 (D) Initial Shut-In 340 Circ Sub _____ T-Pulled 23:47
 (E) Second Initial Flow 13 Hourly Standby _____ T-Out 1:23
 (F) Second Final Flow 13 Mileage 232.50 Comments _____
 (G) Final Shut-In 161 Sampler _____
 (H) Final Hydrostatic 1523 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1382.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1382.50

Approved By _____ Our Representative Jason Mc Lemou *Thank You*

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