



DRILL STEM TEST REPORT

Prepared For: **FourWinds Oil Corporation**

PO Box 1063
Hays KS 67601

ATTN: Jeff Lawler

Bowman Trust #1

4-9s-36w Thomas,KS

Start Date: 2018.09.03 @ 18:40:00

End Date: 2018.09.04 @ 04:35:15

Job Ticket #: 64593 DST #: 1

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

Printed: 2018.09.10 @ 11:23:13



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FourWinds Oil Corporation

4-9s-36w Thomas,KS

PO Box 1063
Hays KS 67601

Bowman Trust #1

ATTN: Jeff Lawler

Job Ticket: 64593

DST#: 1

Test Start: 2018.09.03 @ 18:40:00

GENERAL INFORMATION:

Formation: **LKC 'A'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:14:45

Time Test Ended: 04:35:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J. Staab

Unit No: 84

Interval: 4198.00 ft (KB) To 4226.00 ft (KB) (TVD)

Reference Elevations: 3433.00 ft (KB)

Total Depth: 4226.00 ft (KB) (TVD)

3425.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 8934

Outside

Press@RunDepth: 245.21 psig @ 4199.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.09.03

End Date:

2018.09.04

Last Calib.: 2018.09.04

Start Time: 18:40:15

End Time:

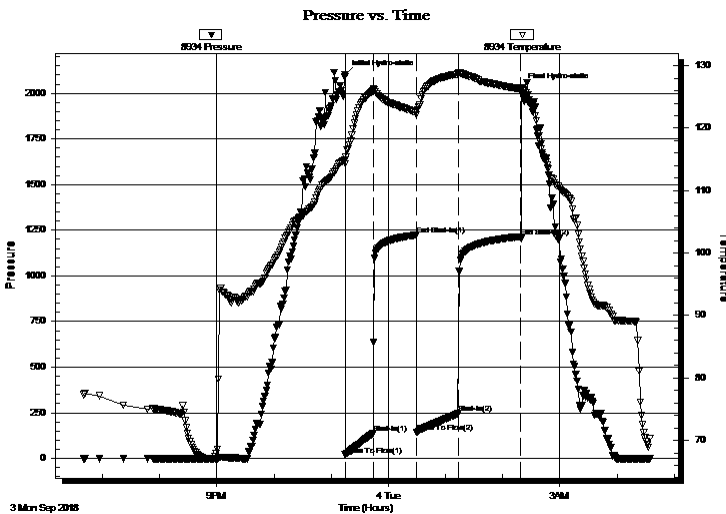
04:35:15

Time On Btm: 2018.09.03 @ 23:14:30

Time Off Btm: 2018.09.04 @ 02:20:00

TEST COMMENT: 30-IF-Fair; Built to 9 1/2"
45-ISI-No Return
30-FF-Fair to Strong in 27 mins; Built to 20"
60-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2101.78	114.86	Initial Hydro-static
1	18.84	114.33	Open To Flow (1)
30	137.40	125.95	Shut-In(1)
75	1222.95	122.58	End Shut-In(1)
76	142.67	122.16	Open To Flow (2)
119	245.21	128.65	Shut-In(2)
185	1215.00	126.21	End Shut-In(2)
186	2029.64	126.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
340.00	Water 100%W	2.70
150.00	MCW 15%M 85%W	2.13

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FourWinds Oil Corporation

4-9s-36w Thomas,KS

PO Box 1063
Hays KS 67601

Bowman Trust #1

Job Ticket: 64593

DST#: 1

ATTN: Jeff Lawler

Test Start: 2018.09.03 @ 18:40:00

Tool Information

Drill Pipe:	Length: 3882.00 ft	Diameter: 3.82 inches	Volume: 55.03 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 310.00 ft	Diameter: 2.75 inches	Volume: 2.28 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 57.31 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4198.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4170.00	
Shut In Tool	5.00			4175.00	
Hydraulic tool	5.00			4180.00	
Jars	5.00			4185.00	
Safety Joint	3.00			4188.00	
Packer	5.00			4193.00	29.00 Bottom Of Top Packer
Packer	5.00			4198.00	
Stubb	1.00			4199.00	
Recorder	0.00	8368	Inside	4199.00	
Recorder	0.00	8934	Outside	4199.00	
Perforations	24.00			4223.00	
Bullnose	3.00			4226.00	28.00 Bottom Packers & Anchor
Total Tool Length:		57.00			



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

FourWinds Oil Corporation

4-9s-36w Thomas,KS

PO Box 1063
Hays KS 67601

Bowman Trust #1

Job Ticket: 64593

DST#: 1

ATTN: Jeff Lawler

Test Start: 2018.09.03 @ 18:40:00

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:

53000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
340.00	Water 100%W	2.703
150.00	MCW 15%M 85%W	2.126

Total Length: 490.00 ft Total Volume: 4.829 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM

Rw = .144 @ 65F

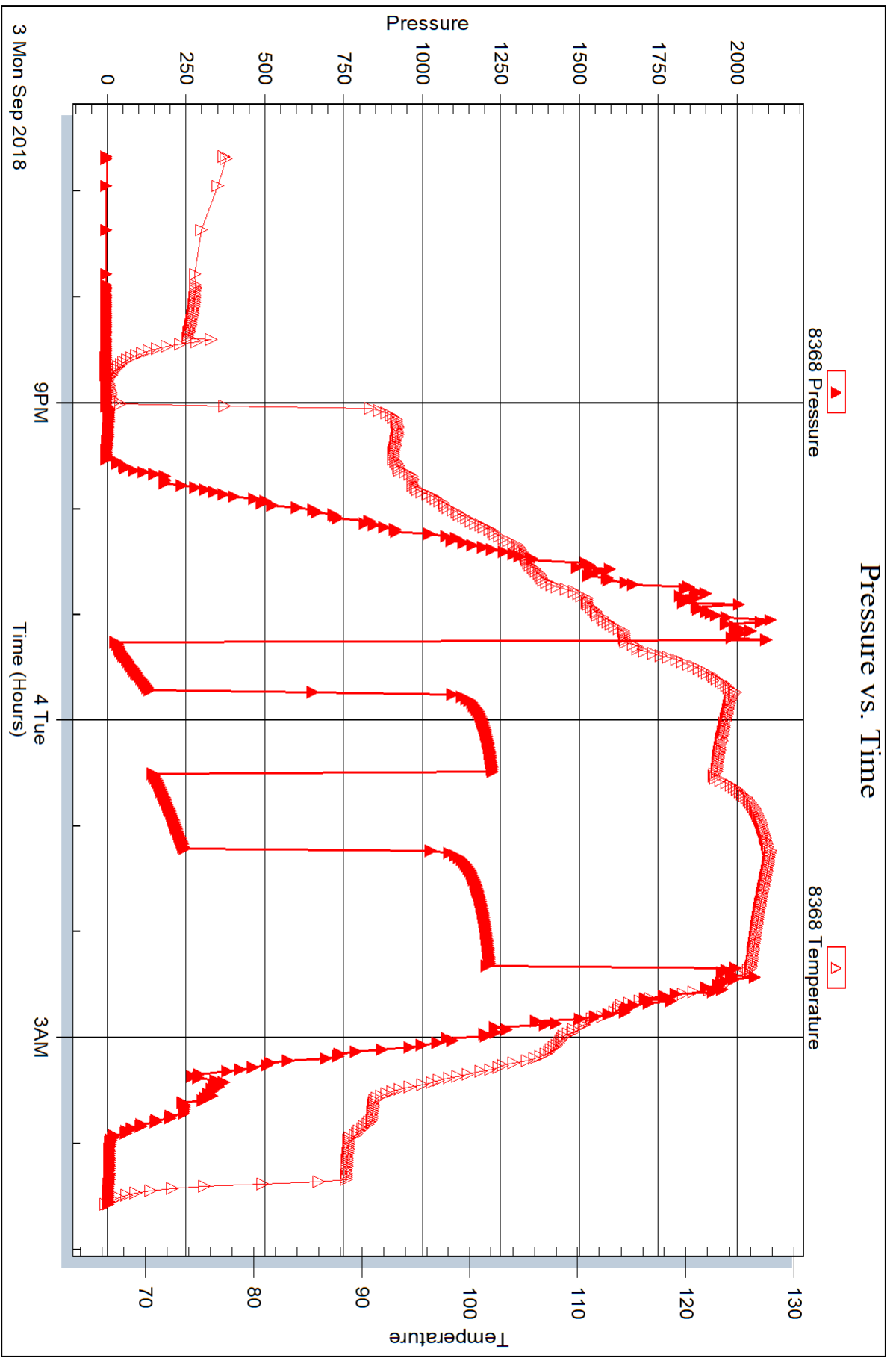
Serial #: 8368

Inside

FourWinds Oil Corporation

Bowman Trust #1

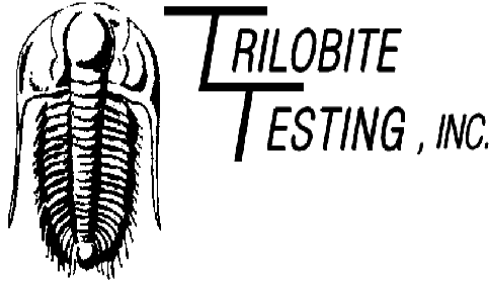
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 64593

Printed: 2018.09.10 @ 11:23:14



DRILL STEM TEST REPORT

Prepared For: **FourWinds Oil Corporation**

PO Box 1063
Hays KS 67601

ATTN: Jeff Lawler

Bowman Trust #1

4-9s-36w Thomas,KS

Start Date: 2018.09.04 @ 15:40:00

End Date: 2018.09.04 @ 22:48:45

Job Ticket #: 64594 DST #: 2

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

Printed: 2018.09.10 @ 11:22:49



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FourWinds Oil Corporation

4-9s-36w Thomas,KS

PO Box 1063
Hays KS 67601

Bowman Trust #1

ATTN: Jeff Lawler

Job Ticket: 64594

DST#: 2

Test Start: 2018.09.04 @ 15:40:00

GENERAL INFORMATION:

Formation: **LKC 'D'**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 18:32:45
 Tester: Spencer J. Staab
 Time Test Ended: 22:48:45
 Unit No: 84
 Interval: **4255.00 ft (KB) To 4282.00 ft (KB) (TVD)**
 Reference Elevations: 3433.00 ft (KB)
 Total Depth: 4282.00 ft (KB) (TVD)
 3425.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Poor
 KB to GR/CF: 8.00 ft

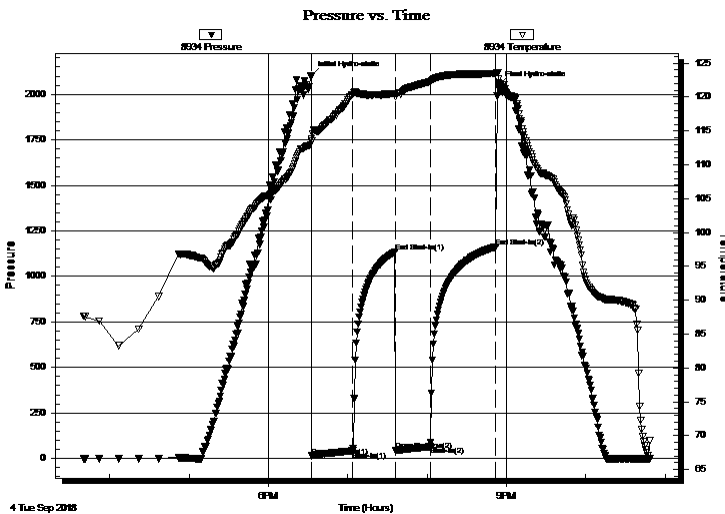
Serial #: 8934

Outside

Press@RunDepth: 63.77 psig @ 4256.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.09.04 End Date: 2018.09.04 Last Calib.: 2018.09.04
 Start Time: 15:40:15 End Time: 22:48:45 Time On Btm: 2018.09.04 @ 18:32:30
 Time Off Btm: 2018.09.04 @ 20:54:00

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

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2100.72	113.85	Initial Hydro-static
1	14.12	113.54	Open To Flow (1)
32	41.25	120.35	Shut-In(1)
64	1134.91	120.51	End Shut-In(1)
64	43.39	120.06	Open To Flow (2)
90	63.77	122.32	Shut-In(2)
140	1162.62	123.45	End Shut-In(2)
142	2048.72	122.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	SWCM 3%W 97%M	0.51

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FourWinds Oil Corporation

4-9s-36w Thomas,KS

PO Box 1063
Hays KS 67601

Bowman Trust #1

Job Ticket: 64594

DST#: 2

ATTN: Jeff Lawler

Test Start: 2018.09.04 @ 15:40:00

Tool Information

Drill Pipe:	Length: 3945.00 ft	Diameter: 3.82 inches	Volume: 55.92 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 310.00 ft	Diameter: 2.75 inches	Volume: 2.28 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 89000.00 lb
			<u>Total Volume: 58.20 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	4255.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4227.00	
Shut In Tool	5.00			4232.00	
Hydraulic tool	5.00			4237.00	
Jars	5.00			4242.00	
Safety Joint	3.00			4245.00	
Packer	5.00			4250.00	29.00 Bottom Of Top Packer
Packer	5.00			4255.00	
Stubb	1.00			4256.00	
Recorder	0.00	8368	Inside	4256.00	
Recorder	0.00	8934	Outside	4256.00	
Perforations	23.00			4279.00	
Bullnose	3.00			4282.00	27.00 Bottom Packers & Anchor

Total Tool Length: 56.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

FourWinds Oil Corporation

4-9s-36w Thomas,KS

PO Box 1063
Hays KS 67601

Bowman Trust #1

Job Ticket: 64594

DST#: 2

ATTN: Jeff Lawler

Test Start: 2018.09.04 @ 15:40:00

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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	SWCM 3%W 97%M	0.514

Total Length: 70.00 ft

Total Volume: 0.514 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 3#LCM

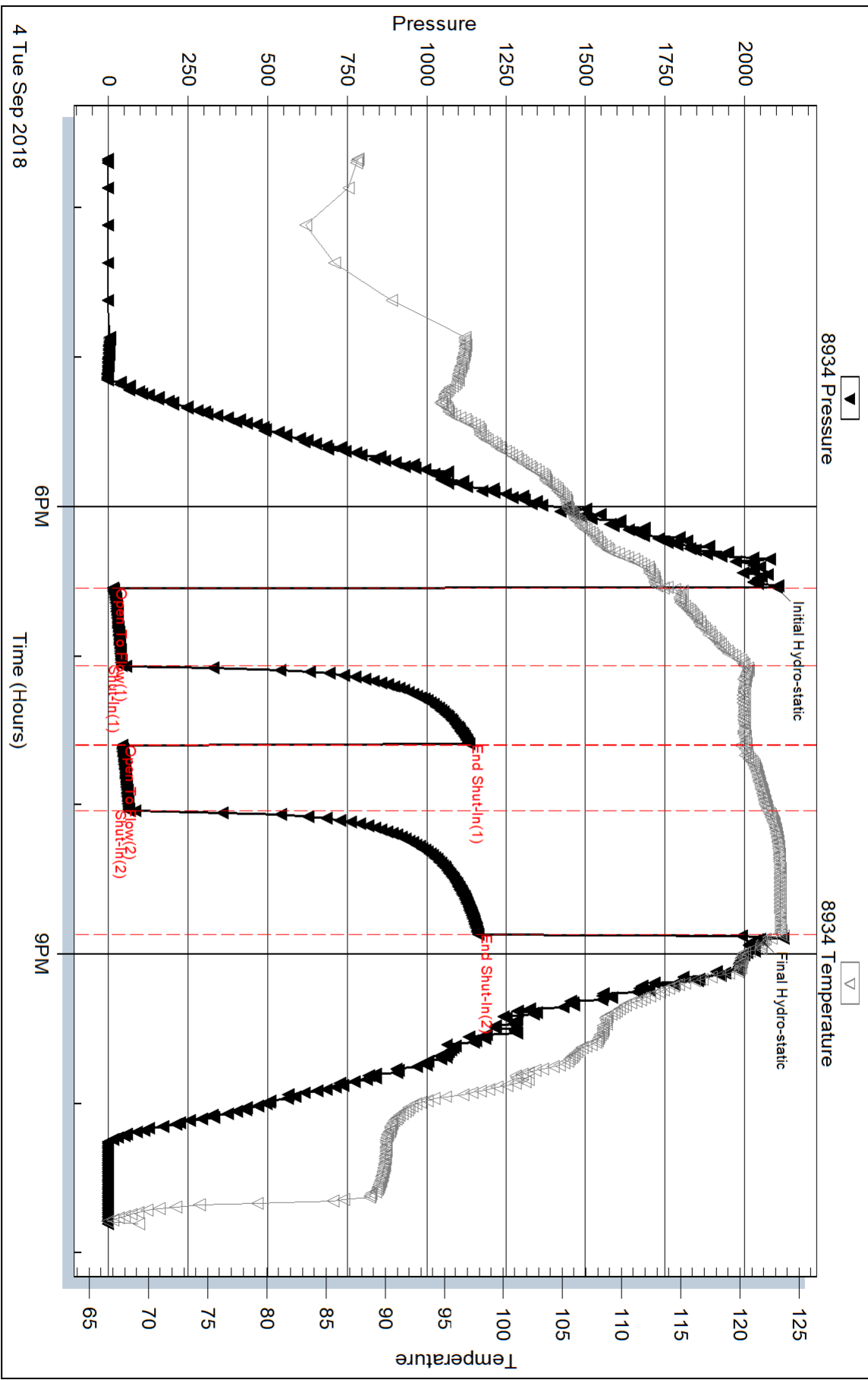
Serial #: 8934

Outside FourWinds Oil Corporation

Bowman Trust #1

DST Test Number: 2

Pressure vs. Time



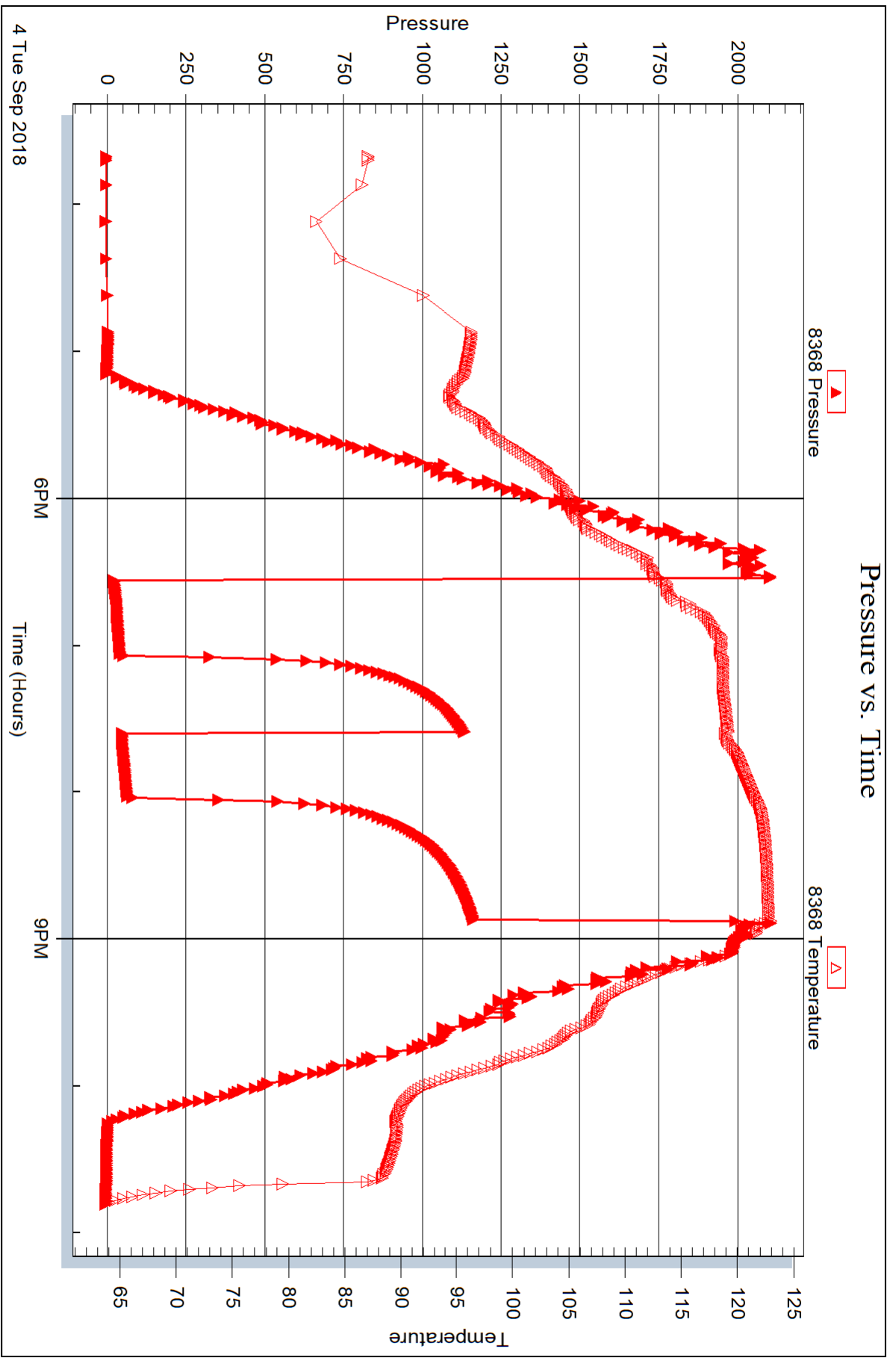
Serial #: 8368

Inside

FourWinds Oil Corporation

Bowman Trust #1

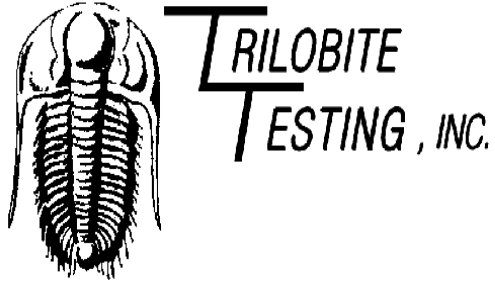
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 64594

Printed: 2018.09.10 @ 11:22:51



DRILL STEM TEST REPORT

Prepared For: **FourWinds Oil Corporation**

PO Box 1063
Hays KS 67601

ATTN: Jeff Lawler

Bowman Trust #1

4-9s-36w Thomas,KS

Start Date: 2018.09.05 @ 22:18:00

End Date: 2018.09.06 @ 05:49:00

Job Ticket #: 64595 DST #: 3

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

Printed: 2018.09.10 @ 11:22:23



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FourWinds Oil Corporation

4-9s-36w Thomas,KS

PO Box 1063
Hays KS 67601

Bowman Trust #1

ATTN: Jeff Lawler

Job Ticket: 64595

DST#: 3

Test Start: 2018.09.05 @ 22:18:00

GENERAL INFORMATION:

Formation: **LKC 'K'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:03:00

Time Test Ended: 05:49:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J. Staab

Unit No: 84

Interval: 4426.00 ft (KB) To 4460.00 ft (KB) (TVD)

Reference Elevations: 3433.00 ft (KB)

Total Depth: 4460.00 ft (KB) (TVD)

3425.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 8934 Outside

Press@RunDepth: 32.04 psig @ 4427.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.09.05 End Date: 2018.09.06

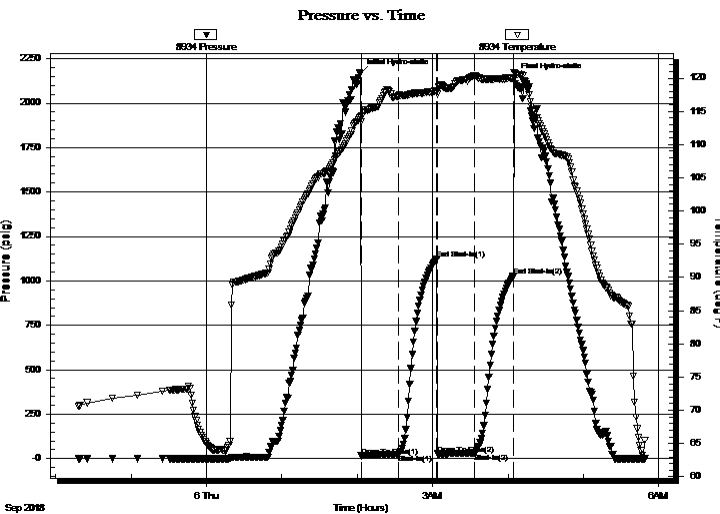
Last Calib.: 2018.09.06

Start Time: 22:18:15 End Time: 05:49:00

Time On Btm: 2018.09.06 @ 02:02:45

Time Off Btm: 2018.09.06 @ 04:04:45

TEST COMMENT: 30-IF-Weak Surface
30-ISI-No Return
30-FF-Weak Surface
30-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2164.39	114.21	Initial Hydro-static
1	15.48	113.43	Open To Flow (1)
30	24.22	117.29	Shut-In(1)
61	1122.25	117.98	End Shut-In(1)
61	26.53	117.57	Open To Flow (2)
91	32.04	120.38	Shut-In(2)
122	1025.18	119.95	End Shut-In(2)
122	2140.77	120.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OSM	0.11

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FourWinds Oil Corporation

4-9s-36w Thomas,KS

PO Box 1063
Hays KS 67601

Bowman Trust #1

Job Ticket: 64595

DST#: 3

ATTN: Jeff Lawler

Test Start: 2018.09.05 @ 22:18:00

Tool Information

Drill Pipe:	Length: 4104.00 ft	Diameter: 3.82 inches	Volume: 58.18 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 310.00 ft	Diameter: 2.75 inches	Volume: 2.28 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 82000.00 lb
			<u>Total Volume: 60.46 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4426.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4398.00	
Shut In Tool	5.00			4403.00	
Hydraulic tool	5.00			4408.00	
Jars	5.00			4413.00	
Safety Joint	3.00			4416.00	
Packer	5.00			4421.00	29.00 Bottom Of Top Packer
Packer	5.00			4426.00	
Stubb	1.00			4427.00	
Recorder	0.00	8368	Inside	4427.00	
Recorder	0.00	8934	Outside	4427.00	
Perforations	30.00			4457.00	
Bullnose	3.00			4460.00	34.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

FourWinds Oil Corporation

4-9s-36w Thomas,KS

PO Box 1063
Hays KS 67601

Bowman Trust #1

Job Ticket: 64595

DST#: 3

ATTN: Jeff Lawler

Test Start: 2018.09.05 @ 22:18:00

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: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 14000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OSM	0.110

Total Length: 15.00 ft Total Volume: 0.110 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1&1/2#LCM

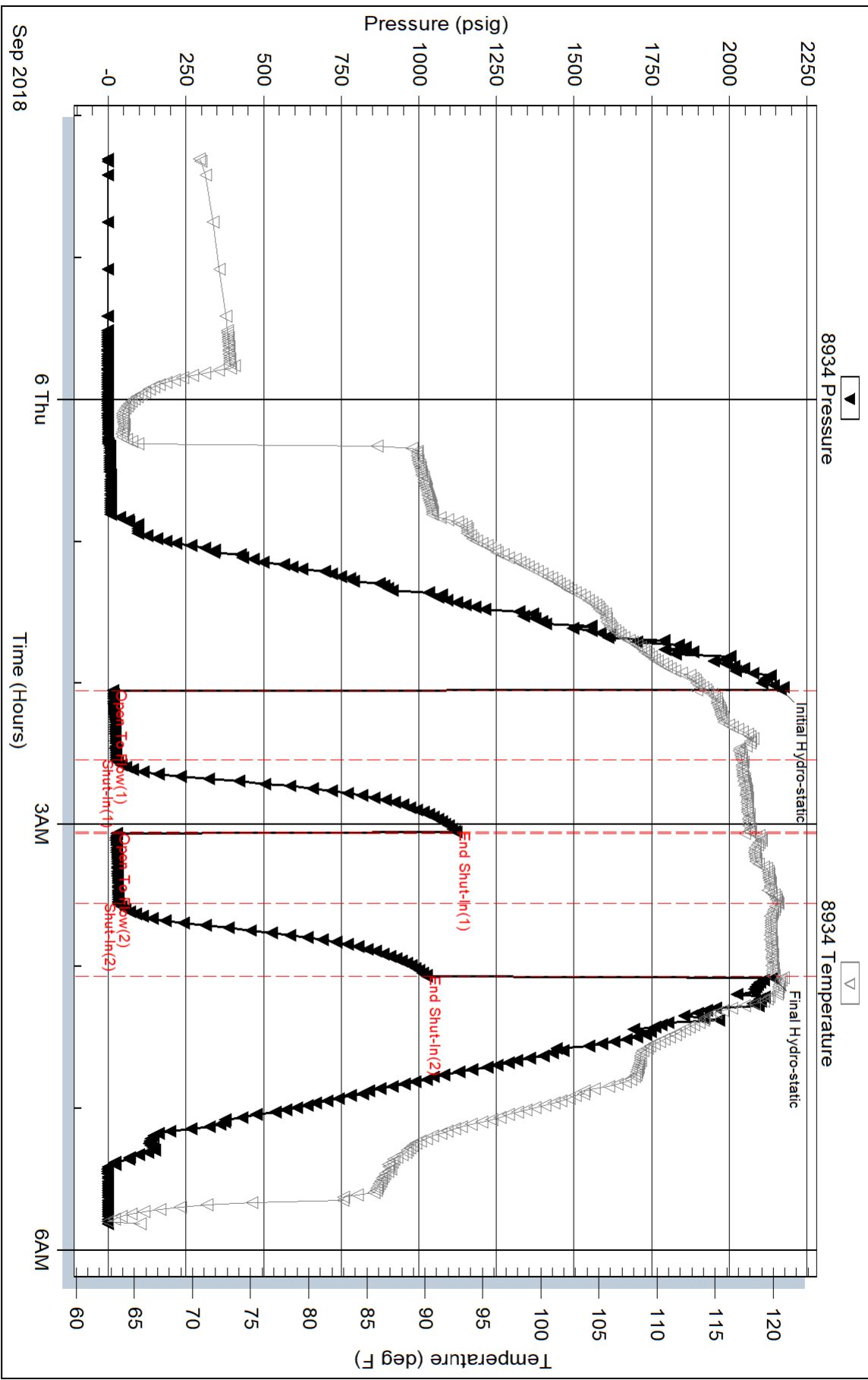
Serial #: 8934

Outside FourWinds Oil Corporation

Bowman Trust #1

DST Test Number: 3

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 64595

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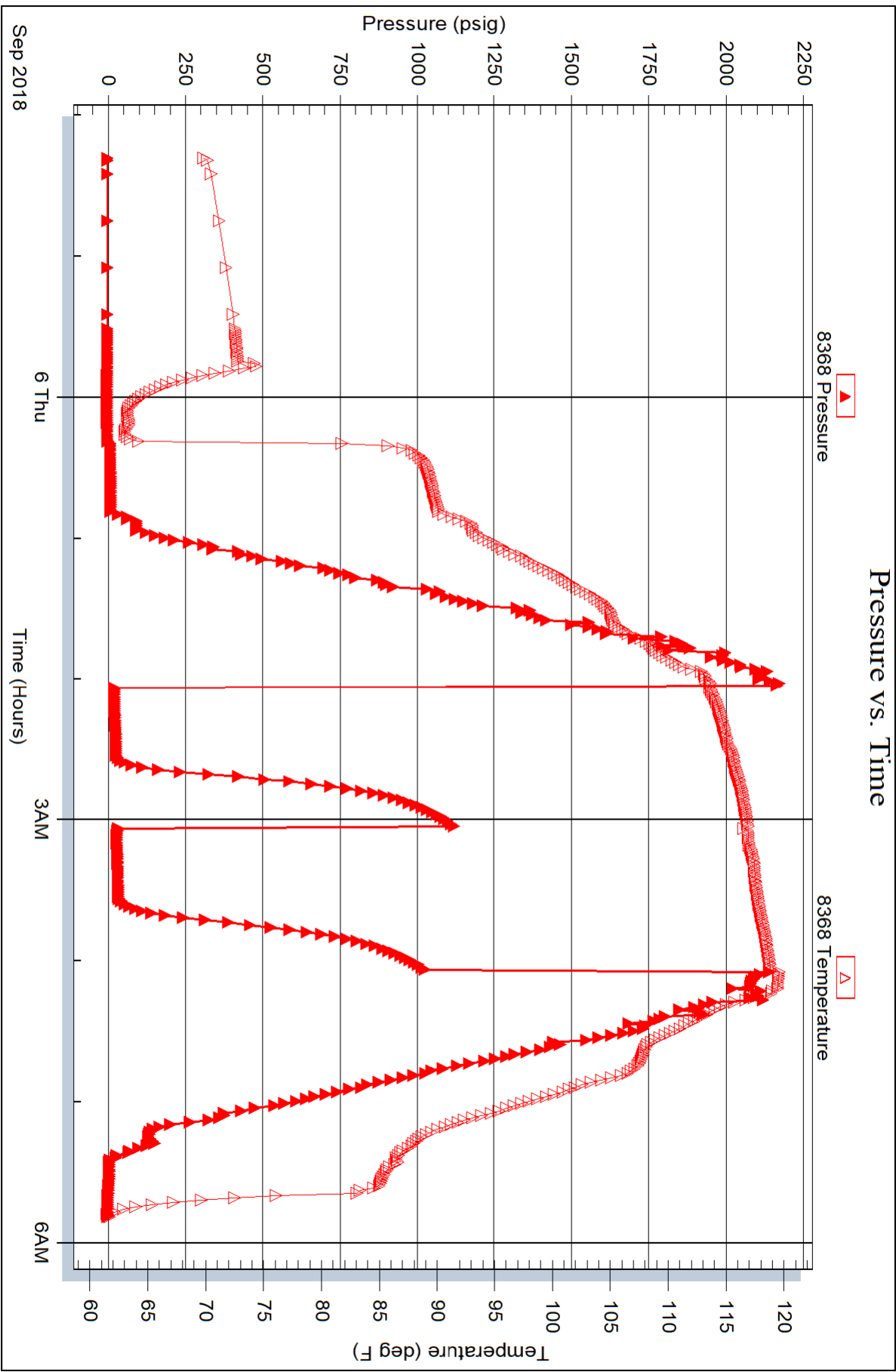
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Inside

FourWinds Oil Corporation

Bowman Trust #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 64595

Printed: 2018.09.10 @ 11:22:24



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64593

Well Name & No. Bowman Trust #1 Test No. 1 Date 09/03/2018
 Company Fourwinds Oil Corporation Elevation 3433 KB 3425 GL
 Address PO BOX 1063 Hays Ks 67601
 Co. Rep / Geo. Jeff Lawler Rig Discovery #1
 Location: Sec. 14 Twp 9s Rge. 36w Co. Thomas State Ks

Interval Tested 4198' - 4226' Zone Tested LKC 'a'
 Anchor Length 28' Drill Pipe Run 3882' Mud Wt. 9
 Top Packer Depth 4193' Drill Collars Run - Vis 53
 Bottom Packer Depth 4198' Wt. Pipe Run 310' WL 8.8
 Total Depth 4226' Chlorides 9500 ppm System LCM 2#

Blow Description 27 min; Built to 9 1/2"
JSJ - No Return
77' Fair to Strong in 27 min; Built to 20"
7SD - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>340'</u>	<u>9W</u>		<u>100</u>		
<u>150'</u>	<u>MCW</u>		<u>85</u>	<u>15</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

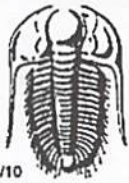
Rec Total 490' BHT 126° Gravity - API RW 144 @ 65 °F Chlorides 53,000 ppm

(A) Initial Hydrostatic 2101 Test 1150 T-On Location 17:45
 (B) First Initial Flow 18 Jars 250 T-Started 18:40
 (C) First Final Flow 137 Safety Joint 75 T-Open 23:14
 (D) Initial Shut-In 1222 Circ Sub _____ T-Pulled 02:15 09/04/2018
 (E) Second Initial Flow 142 Hourly Standby X1 T-Out 04:34
 (F) Second Final Flow 245 Mileage 264 RT 150rt Comments stayed 5 days
 (G) Final Shut-In 1215 Sampler _____ in Colby
 (H) Final Hydrostatic 2029 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1625
 Accessibility _____ MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 60
 Sub Total 1625

Approved By _____ Our Representative Spencer A. First Thanks
 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.

785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64594

4/10

Well Name & No. Bowman Trust #1 Test No. 2 Date 09/04/2018
 Company Four Winds Oil Corporation Elevation 3433 KB 3425 GL
 Address PO BOX 1063 Hays Ks 67601
 Co. Rep / Geo. Jeff Lawler Rig Discovery #1
 Location: Sec. 9 Twp 9S Rge. 36W Co. Thomas State Ks

Interval Tested 4258 - 4282' Zone Tested LHC 'D'
 Anchor Length 27' Drill Pipe Run 3945' Mud Wt. 8.6
 Top Packer Depth 4250' Drill Collars Run - Vis 55
 Bottom Packer Depth 4255' Wt. Pipe Run 310' WL 7.6
 Total Depth 4282' Chlorides 6000 ppm System LCM 3H

Blow Description 67- Weak; Built to 9"
68- No Return
77- Weak; Built to 2 1/2"
78- No Return

Rec	Feet of	%gas	%oil	%water	%mud
70'	SWCM		3	97	

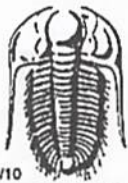
Rec Total 70' BHT 123° Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2100 Test 1150 T-On Location 15:10
 (B) First Initial Flow 14 Jars 250 T-Started 15:40
 (C) First Final Flow 41 Safety Joint 75 T-Open 18:32
 (D) Initial Shut-In 1134 Circ Sub - T-Pulled 20:45
 (E) Second Initial Flow 43 Hourly Standby - T-Out 22:47
 (F) Second Final Flow 63 Mileage 26427 150
 (G) Final Shut-In 1162 Sampler -
 (H) Final Hydrostatic 2048 Straddle -

Initial Open 30 Ruined Shale Packer -
 Initial Shut-In 30 Ruined Packer -
 Final Flow 30 Extra Copies -
 Final Shut-In 45 Extra Recorder - Sub Total 0
 Day Standby - Total 1625
 Accessibility - MP/DST Disc't -
 Sub Total 1625

Approved By _____ Our Representative Spencer J. Neal *Thanks!*
 Trilobite Testing Inc. shall not be liable for damaged or 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.

785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64595**

Well Name & No. Brauman Trust # Test No. 3 Date 09/05/2018
 Company Four Winds Oil Corporation Elevation 3433 KB 3425 GL
 Address PO BOX 1063 Hays KS 67601
 Co. Rep / Geo. Jeff Lawler Rig Discovery #1
 Location: Sec. 4 Twp 9s Rge. 36w Co. Thomas State KS

Interval Tested 4426' - 4460' Zone Tested LKC 'K'
 Anchor Length 34' Drill Pipe Run 4104' Mud Wt. 9.1
 Top Packer Depth 4421' Drill Collars Run - Vis 38
 Bottom Packer Depth 4426' Wt. Pipe Run 310' WL 9.6
 Total Depth 4460' Chlorides 14000 ppm System LCM 1 1/2#

Blow Description 77- Weak Surface; Mud 25 min
75D- No Return
77- Weak Surface
78D- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>15'</u>	<u>OSM</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 15' BHT 120° Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic 2164 Test 1150 T-On Location 21:35
 (B) First Initial Flow 15 Jars 250 T-Started 22:18
 (C) First Final Flow 24 Safety Joint 75 T-Open 02:02 09/06/2018
 (D) Initial Shut-In 1122 Circ Sub T-Pulled 04:02
 (E) Second Initial Flow 26 Hourly Standby T-Out 05:47
 (F) Second Final Flow 32 Mileage 26427 300 Comments Loaded 09/07/2018
 (G) Final Shut-In 1025 Sampler @ 1100
 (H) Final Hydrostatic 2140 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 X1 Total 1775
 Accessibility MP/DST Disc't
 Sub Total 1775

Approved By _____ Our Representative Spencer J. Stahl

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