



DRILL STEM TEST REPORT

Prepared For: **TDI, Inc.**

1310 Bison Rd
Hays KS 67601+9696

ATTN: Herb Deines

Willie #2

9-15S-19W Ellis,KS

Start Date: 2017.07.05 @ 00:12:00

End Date: 2017.07.05 @ 06:14:30

Job Ticket #: 62984 DST #: 1

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

Printed: 2017.07.11 @ 10:28:10



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

TDI, Inc.
1310 Bison Rd
Hays KS 67601+9696
ATTN: Herb Deines

9-15S-19W Ellis,KS
Willie #2
Job Ticket: 62984 **DST#: 1**
Test Start: 2017.07.05 @ 00:12:00

Tool Information

Drill Pipe:	Length: 3360.00 ft	Diameter: 3.80 inches	Volume: 47.13 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	45000.00 lb
			<u>Total Volume: 47.13 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3352.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	48.00 ft				
Tool Length:	68.00 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			3333.00	
Shut In Tool	5.00			3338.00	
Hydraulic tool	5.00			3343.00	
Packer	5.00			3348.00	20.00 Bottom Of Top Packer
Packer	4.00			3352.00	
Stubb	1.00			3353.00	
Recorder	0.00	9120	Inside	3353.00	
Recorder	0.00	8934	Inside	3353.00	
Perforations	2.00			3355.00	
Change Over Sub	1.00			3356.00	
Drill Pipe	31.00			3387.00	
Change Over Sub	1.00			3388.00	
Perforations	8.00			3396.00	
Bullnose	4.00			3400.00	48.00 Bottom Packers & Anchor

Total Tool Length: 68.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

TDI, Inc.
1310 Bison Rd
Hays KS 67601+9696
ATTN: Herb Deines

9-15S-19W Ellis,KS
Willie #2
Job Ticket: 62984 **DST#: 1**
Test Start: 2017.07.05 @ 00:12:00

Mud and Cushion Information

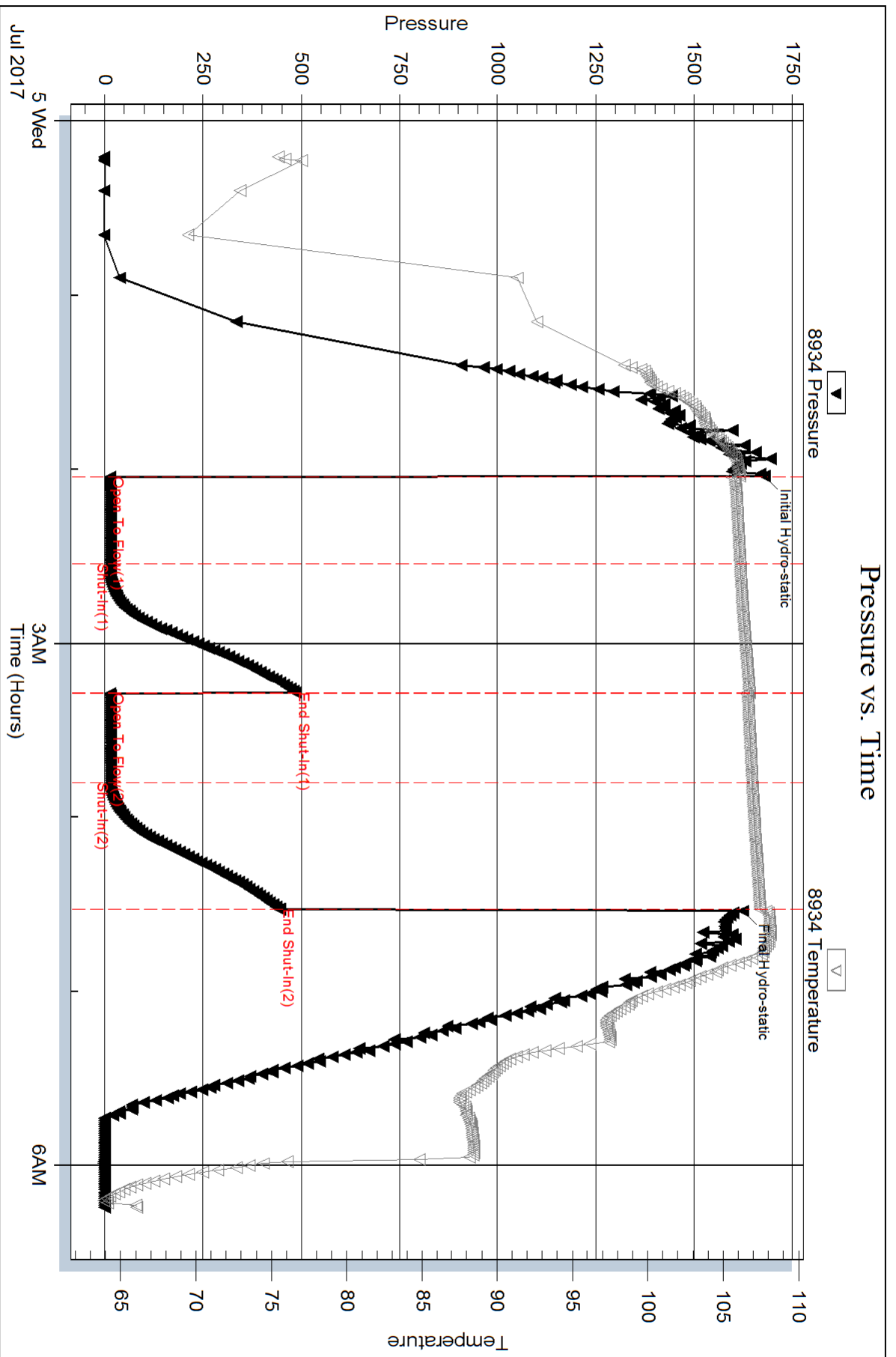
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5700.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Mud 100%M	0.042

Total Length: 3.00 ft Total Volume: 0.042 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 2#LCM



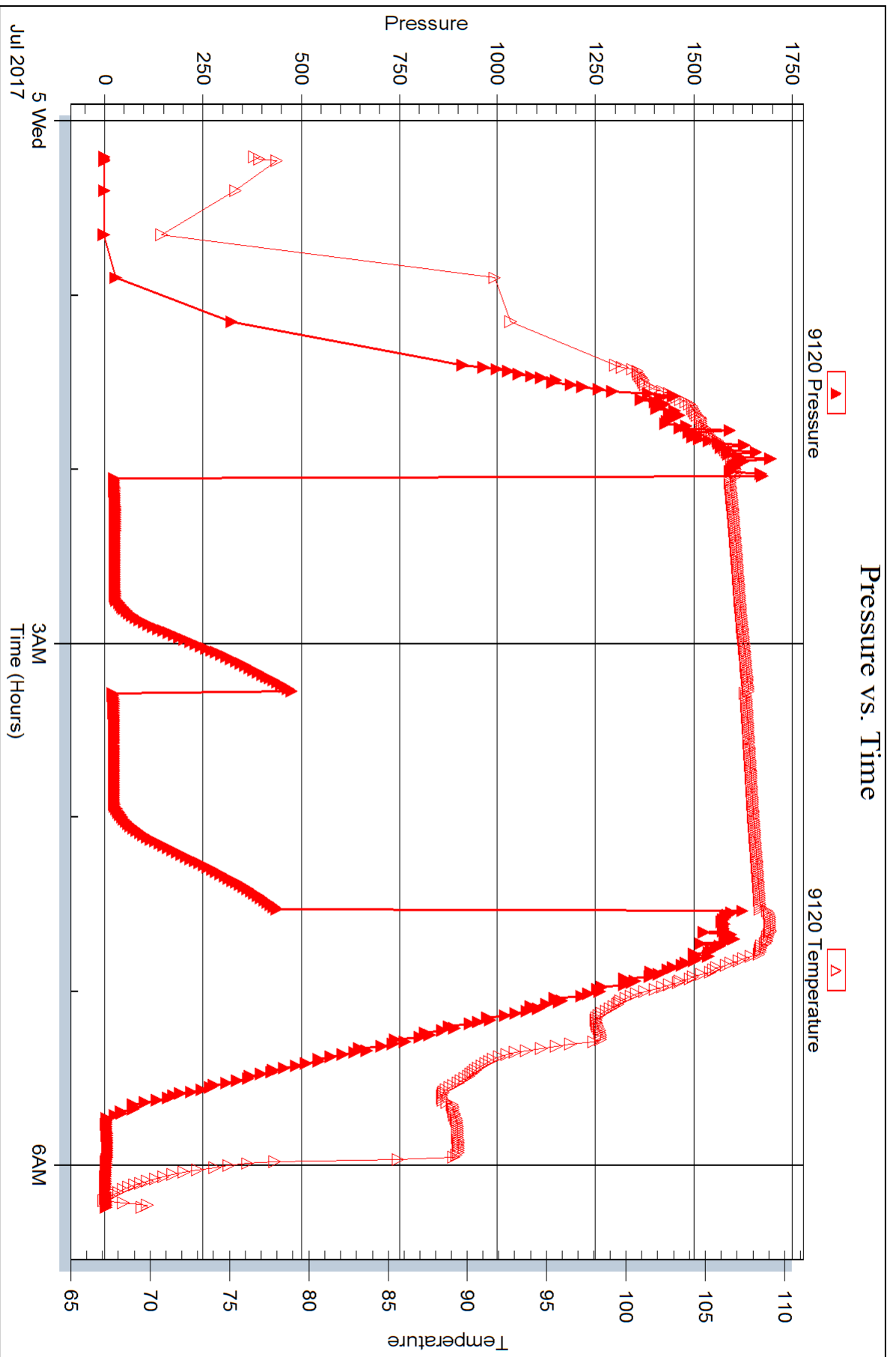
Serial #: 9120

Inside

TDI, Inc.

Wille #2

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 62984

Printed: 2017.07.11 @ 10:28:10



DRILL STEM TEST REPORT

Prepared For: **TDI, Inc.**

1310 Bison Rd
Hays KS 67601+9696

ATTN: Herb Deines

Willie #2

9-15S-19W Ellis,KS

Start Date: 2017.07.05 @ 20:00:15

End Date: 2017.07.06 @ 01:53:30

Job Ticket #: 62985 DST #: 2

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

Printed: 2017.07.11 @ 10:27:01

TDI, Inc. 9-15S-19W Ellis,KS Willie #2 DST # 2 LKC "H - J" 2017.07.05



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TDI, Inc.
1310 Bison Rd
Hays KS 67601+9696
ATTN: Herb Deines

9-15S-19W Ellis,KS
Willie #2
Job Ticket: 62985 **DST#: 2**
Test Start: 2017.07.05 @ 20:00:15

GENERAL INFORMATION:

Formation: **LKC "H - J"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:12:00
Time Test Ended: 01:53:30
Interval: **3462.00 ft (KB) To 3530.00 ft (KB) (TVD)**
Total Depth: 3530.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2038.00 ft (KB)
2029.00 ft (CF)
KB to GR/CF: 9.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J. Staab
Unit No: 84

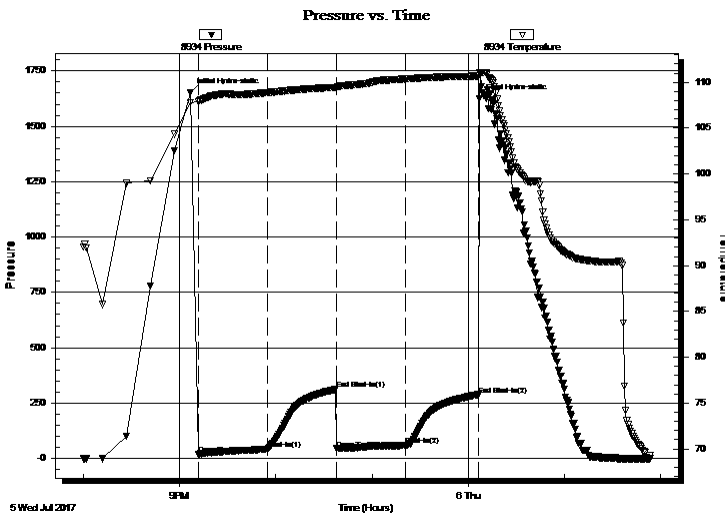
Serial #: 8934

Inside

Press@RunDepth: 58.70 psig @ 3463.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2017.07.05 End Date: 2017.07.06 Last Calib.: 2017.07.06
Start Time: 20:00:00 End Time: 01:53:15 Time On Btm: 2017.07.05 @ 21:06:45
Time Off Btm: 2017.07.06 @ 00:07:00

TEST COMMENT: 45-IF-Fair Blow ; BOB in 30 mins
45-ISI-No Return
45-FF-Fair Blow ; BOB in 31 mins
45-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1652.18	107.80	Initial Hydro-static
5	18.88	107.89	Open To Flow (1)
48	41.24	108.86	Shut-In(1)
91	311.66	109.44	End Shut-In(1)
91	43.52	109.32	Open To Flow (2)
135	58.70	110.35	Shut-In(2)
180	288.01	110.67	End Shut-In(2)
181	1625.01	111.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	WGOCM 2%W 5%G 15%O 78%M	0.21
10.00	WGOCM 2%W 5%G 25%O 68%M	0.14
25.00	GWOCM 5%G 20%W 30%O 45%M	0.35
40.00	GWOCM 5%G 5%W 5%O 85%M	0.56

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TDI, Inc.
1310 Bison Rd
Hays KS 67601+9696
ATTN: Herb Deines

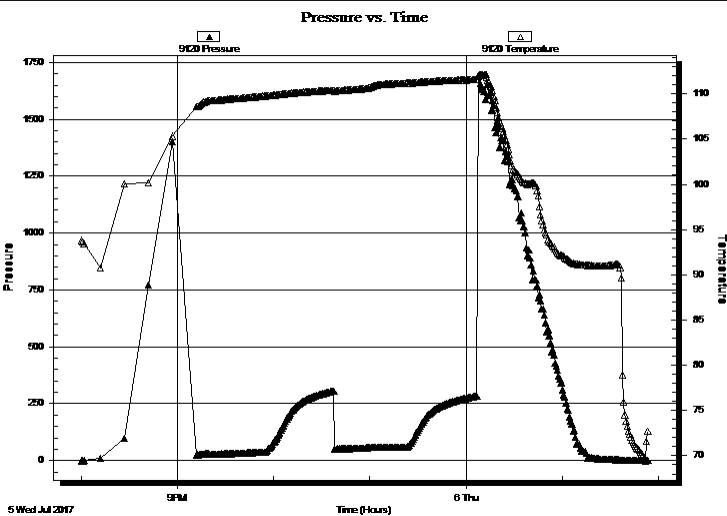
9-15S-19W Ellis,KS
Willie #2
Job Ticket: 62985 **DST#: 2**
Test Start: 2017.07.05 @ 20:00:15

GENERAL INFORMATION:

Formation: LKC "H - J"			Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock:	ft (KB)		Tester: Spencer J. Staab
Time Tool Opened: 21:12:00			Unit No: 84
Time Test Ended: 01:53:30			Reference Elevations: 2038.00 ft (KB)
Interval: 3462.00 ft (KB) To 3530.00 ft (KB) (TVD)			2029.00 ft (CF)
Total Depth: 3530.00 ft (KB) (TVD)			KB to GR/CF: 9.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Fair		

Serial #: 9120	Inside			Capacity: 8000.00 psig
Press@RunDepth: psig @ 3463.00 ft (KB)				Last Calib.: 2017.07.06
Start Date: 2017.07.05	End Date: 2017.07.06			Time On Btm:
Start Time: 20:00:15	End Time: 01:53:30			Time Off Btm:

TEST COMMENT: 45-IF-Fair Blow ; BOB in 30 mins
 45-ISI-No Return
 45-FF-Fair Blow ; BOB in 31 mins
 45-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	WGOCM 2%W 5%G 15%O 78%M	0.21
10.00	WGOCM 2%W 5%G 25%O 68%M	0.14
25.00	GWOCM 5%G 20%W 30%O 45%M	0.35
40.00	GWOCM 5%G 5%W 5%O 85%M	0.56

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

TDI, Inc.
1310 Bison Rd
Hays KS 67601+9696
ATTN: Herb Deines

9-15S-19W Ellis,KS
Willie #2
Job Ticket: 62985 **DST#: 2**
Test Start: 2017.07.05 @ 20:00:15

Tool Information

Drill Pipe:	Length: 3454.00 ft	Diameter: 3.80 inches	Volume: 48.45 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 48.45 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3462.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	68.00 ft				
Tool Length:	88.00 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			3443.00	
Shut In Tool	5.00			3448.00	
Hydraulic tool	5.00			3453.00	
Packer	5.00			3458.00	20.00 Bottom Of Top Packer
Packer	4.00			3462.00	
Stubb	1.00			3463.00	
Recorder	0.00	9120	Inside	3463.00	
Recorder	0.00	8934	Inside	3463.00	
Perforations	2.00			3465.00	
Change Over Sub	1.00			3466.00	
Drill Pipe	31.00			3497.00	
Change Over Sub	1.00			3498.00	
Perforations	28.00			3526.00	
Bullnose	4.00			3530.00	68.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

TDI, Inc.
1310 Bison Rd
Hays KS 67601+9696
ATTN: Herb Deines

9-15S-19W Ellis,KS
Willie #2
Job Ticket: 62985 **DST#: 2**
Test Start: 2017.07.05 @ 20:00:15

Mud and Cushion Information

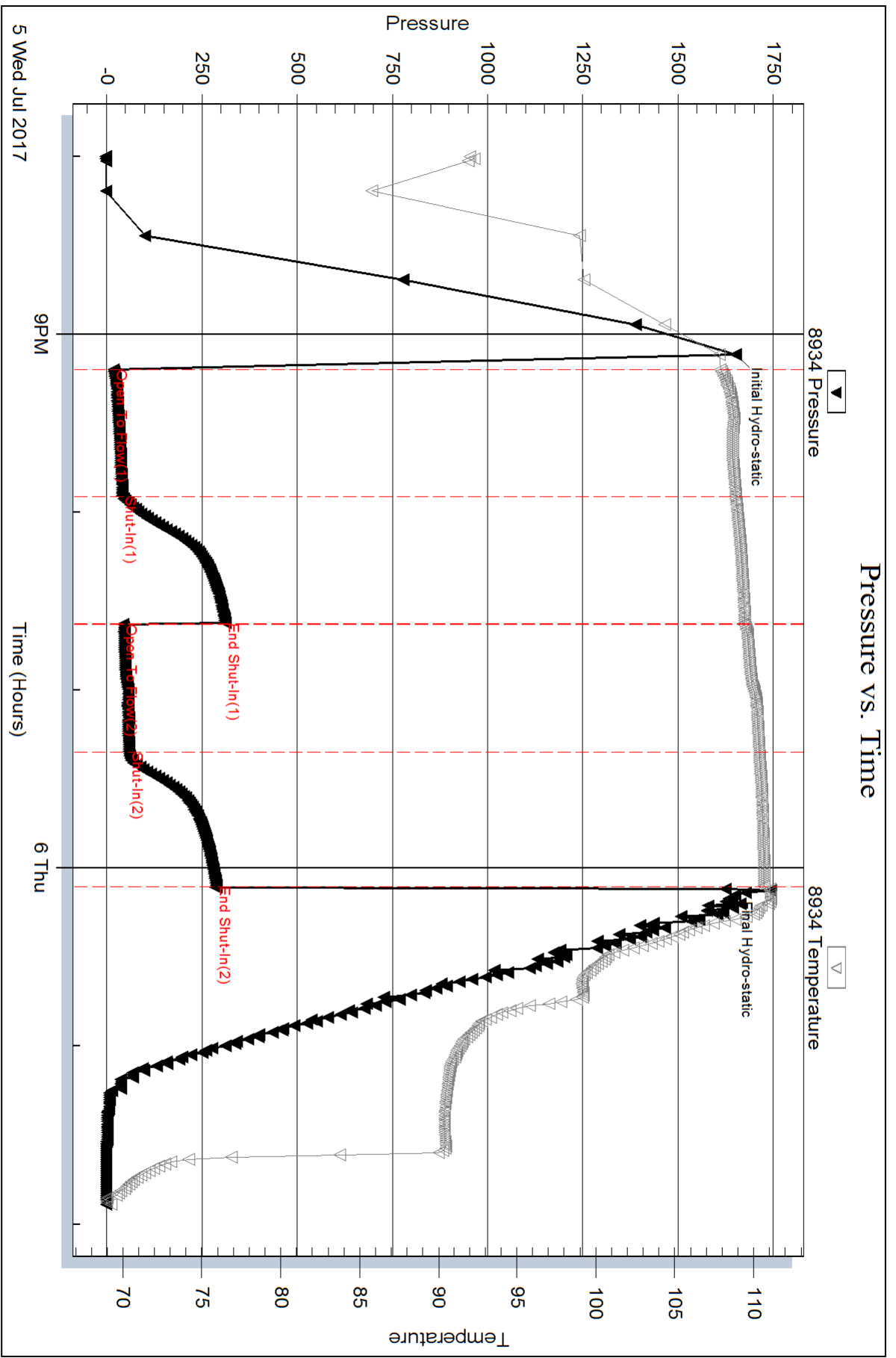
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9600.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	WGOCM 2%W 5%G 15%O 78%M	0.210
10.00	WGOCM 2%W 5%G 25%O 68%M	0.140
25.00	GWOCM 5%G 20%W 30%O 45%M	0.351
40.00	GWOCM 5%G 5%W 5%O 85%M	0.561

Total Length: 90.00 ft Total Volume: 1.262 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 2# LCM



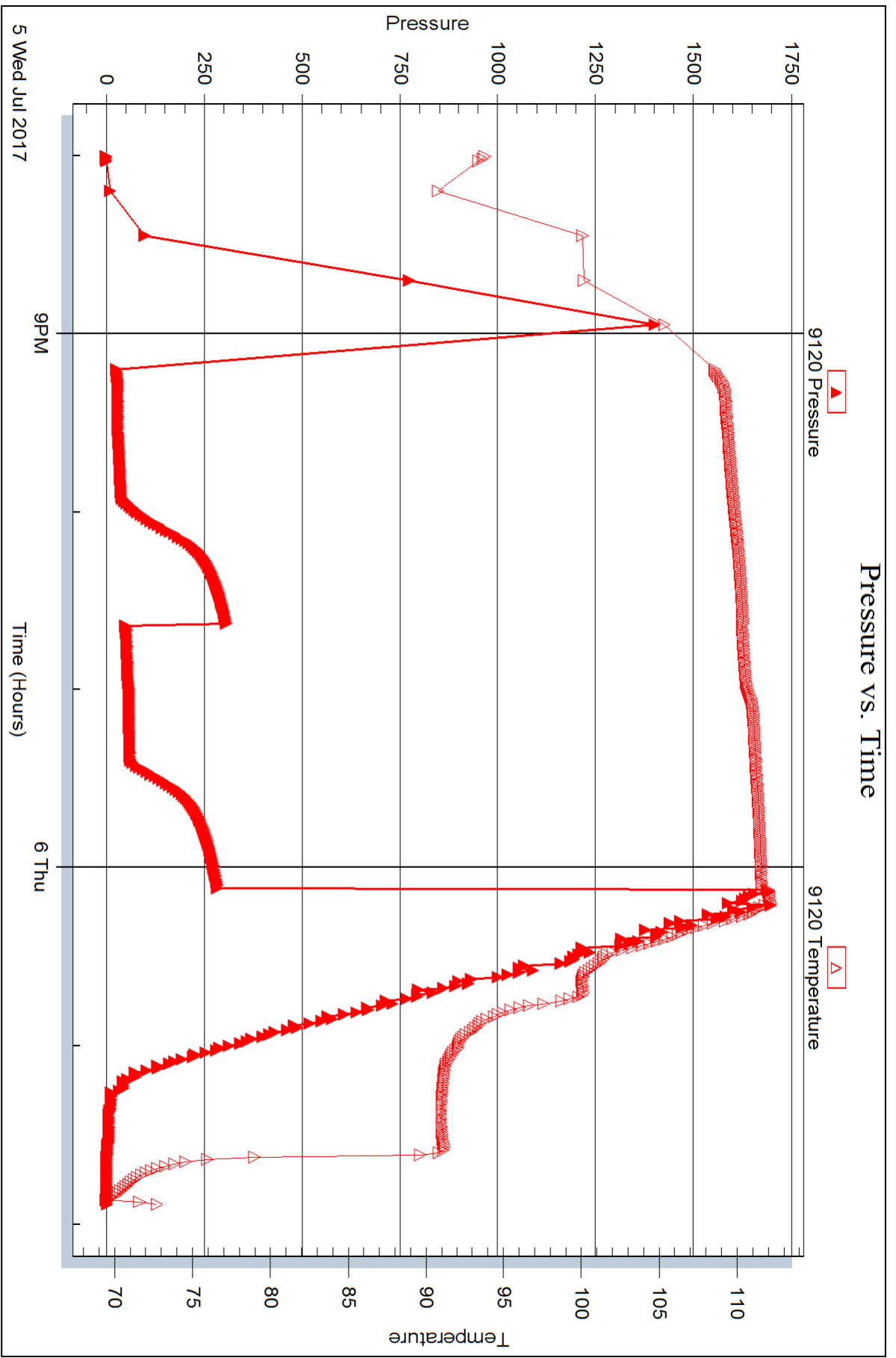
Serial #: 9120

Inside

TDI, Inc.

Wille #2

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 62985

Printed: 2017.07.11 @ 10:27:02



DRILL STEM TEST REPORT

Prepared For: **TDI, Inc.**

1310 Bison Rd
Hays KS 67601+9696

ATTN: Herb Deines

Willie #2

9-15S-19W Ellis,KS

Start Date: 2017.07.06 @ 14:46:00

End Date: 2017.07.06 @ 21:01:30

Job Ticket #: 62986 DST #: 3

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

Printed: 2017.07.11 @ 10:25:55



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TDI, Inc.
 1310 Bison Rd
 Hays KS 67601+9696
 ATTN: Herb Deines

9-15S-19W Ellis,KS
Willie #2
 Job Ticket: 62986 **DST#: 3**
 Test Start: 2017.07.06 @ 14:46:00

GENERAL INFORMATION:

Formation: **Conglomerate Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:22:00
 Time Test Ended: 21:01:30
 Interval: **3630.00 ft (KB) To 3662.00 ft (KB) (TVD)**
 Total Depth: 3662.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J. Staab
 Unit No: 84
 Reference Elevations: 2038.00 ft (KB)
 2029.00 ft (CF)
 KB to GR/CF: 9.00 ft

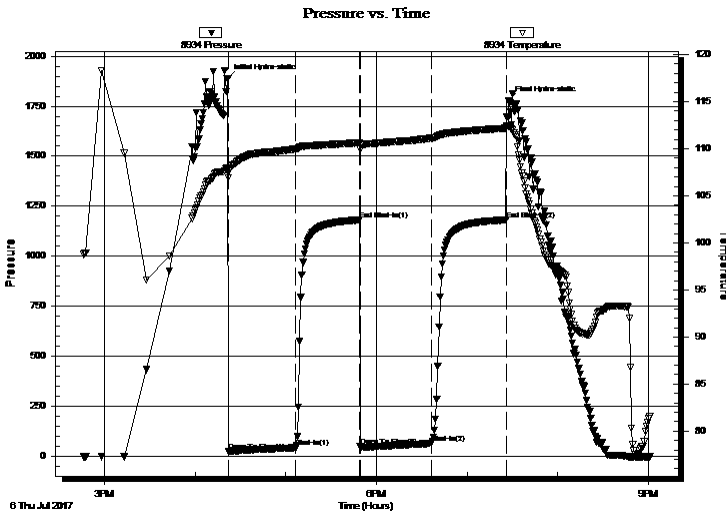
Serial #: 8934

Outside

Press@RunDepth: 65.02 psig @ 3631.00 ft (KB)
 Start Date: 2017.07.06 End Date: 2017.07.06
 Start Time: 14:46:15 End Time: 21:01:30
 Capacity: 8000.00 psig
 Last Calib.: 2017.07.06
 Time On Btm: 2017.07.06 @ 16:21:45
 Time Off Btm: 2017.07.06 @ 19:27:45

TEST COMMENT: 45-IF-Weak Blow ; Built to 6"
 45-ISI-No Return
 45-FF-Weak Blow ; Built to 5&3/4"
 45-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1888.10	107.95	Initial Hydro-static
1	23.12	106.92	Open To Flow (1)
45	44.00	109.97	Shut-In(1)
88	1181.22	110.63	End Shut-In(1)
88	49.02	109.95	Open To Flow (2)
135	65.02	111.12	Shut-In(2)
185	1181.39	112.17	End Shut-In(2)
186	1778.73	112.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Clean Oil 100%O	0.56
90.00	MCO 40%M 60%O	1.26

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

TDI, Inc.
1310 Bison Rd
Hays KS 67601+9696
ATTN: Herb Deines

9-15S-19W Ellis,KS
Willie #2
Job Ticket: 62986 **DST#: 3**
Test Start: 2017.07.06 @ 14:46:00

Tool Information

Drill Pipe:	Length: 3615.00 ft	Diameter: 3.80 inches	Volume: 50.71 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 50.71 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3630.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	52.00 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			3611.00	
Shut In Tool	5.00			3616.00	
Hydraulic tool	5.00			3621.00	
Packer	5.00			3626.00	20.00 Bottom Of Top Packer
Packer	4.00			3630.00	
Stubb	1.00			3631.00	
Recorder	0.00	9120	Inside	3631.00	
Recorder	0.00	8934	Outside	3631.00	
Perforations	27.00			3658.00	
Bullnose	4.00			3662.00	32.00 Bottom Packers & Anchor
Total Tool Length:	52.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

TDI, Inc.
1310 Bison Rd
Hays KS 67601+9696
ATTN: Herb Deines

9-15S-19W Ellis,KS
Willie #2
Job Ticket: 62986 **DST#: 3**
Test Start: 2017.07.06 @ 14:46:00

Mud and Cushion Information

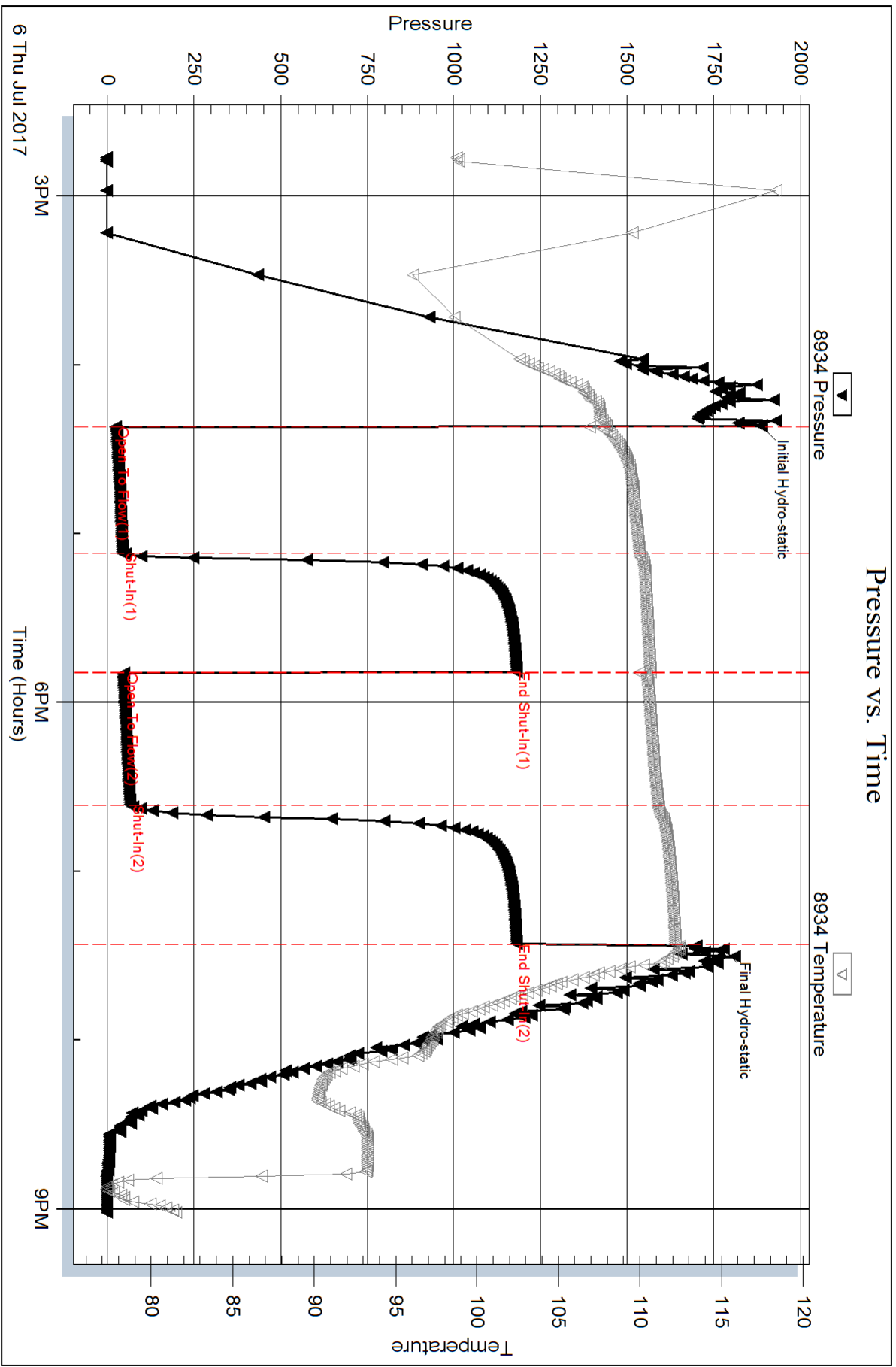
Mud Type: Gel Chem	Cushion Type:	Oil API: 29 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.80 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 8900.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Clean Oil 100%O	0.561
90.00	MCO 40%M 60%O	1.262

Total Length: 130.00 ft Total Volume: 1.823 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 1#LCM



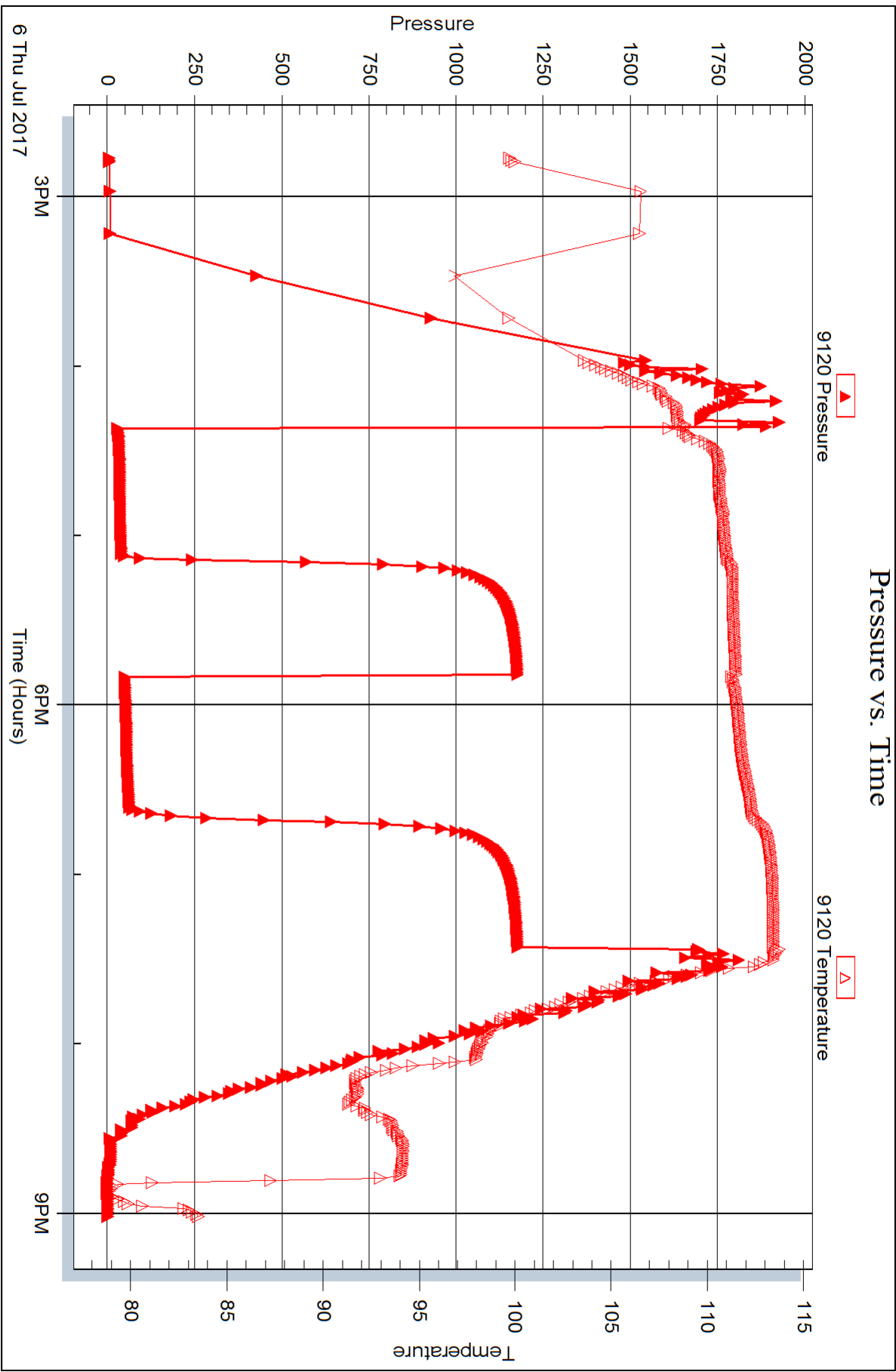
Serial #: 9120

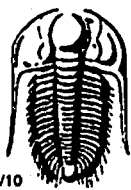
Inside

TDI, Inc.

Wille #2

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62984

Well Name & No. Willie #2 Test No. 1 Date 07/04/2017
 Company 7Ded, Inc. Elevation 2038 KB 2029 GL
 Address 1310 Bison Rd Hays Ks 67601 + 9696
 Co. Rep / Geo. Herb Deines Rig Southwind #1
 Location: Sec. 9 Twp. 15N Rge. 19W Co. Ellis State Ks

Interval Tested 3352' - 3400' Zone Tested LRC "C-D"
 Anchor Length 48' Drill Pipe Run 3360' Mud Wt. 9.1
 Top Packer Depth 3347' Drill Collars Run - Vis 59
 Bottom Packer Depth 3352' Wt. Pipe Run - WL 6.4
 Total Depth 3400' Chlorides 5,700 ppm System LCM 2#

Blow Description 17- Weak Blow; Built to 1/4"; died back to surface
15D- No Blow Back
77- No Blow
75D- No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>3'</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	Feet of	%gas	%oil	%water	%mud

Rec Total 3' BHT 108° Gravity - API RW - @ - °F Chlorides - ppm

- (A) Initial Hydrostatic 1678
- (B) First Initial Flow 13
- (C) First Final Flow 15
- (D) Initial Shut-In 485
- (E) Second Initial Flow 14
- (F) Second Final Flow 15
- (G) Final Shut-In 445
- (H) Final Hydrostatic 1623

- Test 1050
- Jars
- Safety Joint
- Circ Sub
- Hourly Standby
- Mileage 3487 25.50
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1075.50

T-On Location 23:10
 T-Started 00:12 07/05/2017
 T-Open 02:02
 T-Pulled 04:32
 T-Out 06:13

Comments _____

 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1075.50
 MP/DST Disc't _____

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

Approved By _____ Our Representative Spencer J. Josal 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. 62985

Well Name & No. Willie #2 Test No. 2 Date 07/05/2017
 Company 7Del, Inc Elevation 2038 KB 2029 GL
 Address 1310 Bison Rd Hays Ks 67601 +9696
 Co. Rep / Geo. Herb Deines Rig Southerwind #1
 Location: Sec. 9 Twp. 15a Rge. 19w Co. Ellis State Ks

Interval Tested 3462' - 3530' Zone Tested LKC "A-d-j"
 Anchor Length 68' Drill Pipe Run 3454' Mud Wt. 9.2
 Top Packer Depth 3457' Drill Collars Run - Vis 52
 Bottom Packer Depth 3462' Wt. Pipe Run - WL 7.2
 Total Depth 3530' Chlorides 9,600 ppm System LCM 2#

Blow Description: 77- Fair Blow; BOB in 30 minutes
78- No Return
77- Fair Blow; BOB in 31 minutes
78- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>15'</u>	<u>WGOCM</u>	<u>5</u>	<u>15</u>	<u>2</u>	<u>78</u>
<u>10'</u>	<u>WGOCM</u>	<u>5</u>	<u>25</u>	<u>2</u>	<u>68</u>
<u>25'</u>	<u>GWOCM</u>	<u>5</u>	<u>30</u>	<u>20</u>	<u>45</u>
<u>40'</u>	<u>GWOCM</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>85</u>

Rec Total 90' BHT 111° Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1652 Test 1050 T-On Location 19:00
 (B) First Initial Flow 18 Jars - T-Started 20:00
 (C) First Final Flow 41 Safety Joint - T-Open 21:09
 (D) Initial Shut-In 311 Circ Sub - T-Pulled 00:09 07/06/2017
 (E) Second Initial Flow 43 Hourly Standby - T-Out 01:51

(F) Second Final Flow 58 Mileage 3427 25.50
 (G) Final Shut-In 288 Sampler -
 (H) Final Hydrostatic 1625 Straddle -

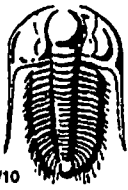
Shale Packer - Ruined Shale Packer -
 Extra Packer - Ruined Packer -
 Extra Recorder - Extra Copies -

Initial Open 45 Day Standby - Sub Total 0
 Initial Shut-In 45 Accessibility - Total 1075.50
 Final Flow 45 Sub Total 1075.50 MP/DST Disc't -
 Final Shut-In 45

Approved By _____ Our Representative Spencer J. Stahl 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. 62986

Well Name & No. Wallie #2 Test No. 3 Date 07/06/2017
 Company 700, Inc. Elevation 2038 KB 2029 GL
 Address 1310 Bison Rd Hays Ks 67601 +9696
 Co. Rep / Geo. Herb Deines Rig Southwind #1
 Location: Sec. 9 Twp. 15a Rge. 19w Co. Ellis State Ks

Interval Tested 3630' - 3662' Zone Tested Conglomerate Sand
 Anchor Length 32' Drill Pipe Run 3645' Mud Wt. 9.1
 Top Packer Depth 3625' Drill Collars Run - Vis 51
 Bottom Packer Depth 3630' Wt. Pipe Run - WL 7.8
 Total Depth 3662' Chlorides 8,900 ppm System LCM 1#

Blow Description: 77-Weak Blow; Built to 6"
55D - No Return
77-Weak Blow; Built to 5 3/4"
75D - No Return

Rec	Feet of	%gas	%oil	%water	%mud
40'	Clean Oil	100			
90'	MCO	60		40	

Rec Total 130' BHT 112° Gravity 29° API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1888 Test 1050 T-On Location 14:13
 (B) First Initial Flow 23 Jars T-Started 14:46
 (C) First Final Flow 44 Safety Joint T-Open 16:20
 (D) Initial Shut-In 1181 Circ Sub T-Pulled 19:20
 (E) Second Initial Flow 49 Hourly Standby T-Out 21:00
 (F) Second Final Flow 65 Mileage 34 RT 25.50 Comments
 (G) Final Shut-In 1181 Sampler
 (H) Final Hydrostatic 1778 Straddle
 Shale Packer
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1075.50
 MP/DST Disc't
 Sub Total 1075.50

Approved By _____ Our Representative Spencer J. Staal 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