



DRILL STEM TEST REPORT

Prepared For: **TDI Inc.**

1310 Bison Rd
Hays KS 67601-9696

ATTN: Herb Deines

Dolores #1

15 15s 19w Ellis,KS

Start Date: 2014.06.08 @ 15:00:00

End Date: 2014.06.08 @ 22:37:00

Job Ticket #: 59254 DST #: 1

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

Printed: 2014.06.11 @ 14:35:09

TDI Inc. 15 15s 19w Ellis,KS Dolores #1 DST # 1 LKC " A - C " 2014.06.08



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

15 15s 19w Ellis,KS
Dolores #1
Job Ticket: 59254 **DST#: 1**
Test Start: 2014.06.08 @ 15:00:00

Tool Information

Drill Pipe:	Length: 3303.00 ft	Diameter: 3.80 inches	Volume: 46.33 bbl	Tool Weight:	2500.00 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:	47000.00 lb
			<u>Total Volume: 46.33 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3293.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	57.00 ft				
Tool Length:	78.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			3273.00	
Shut In Tool	5.00			3278.00	
Hydraulic tool	5.00			3283.00	
Packer	5.00			3288.00	21.00 Bottom Of Top Packer
Packer	5.00			3293.00	
Stubb	1.00			3294.00	
Perforations	1.00			3295.00	
Change Over Sub	1.00			3296.00	
Recorder	0.00	8789	Inside	3296.00	
Recorder	0.00	8289	Outside	3296.00	
Blank Spacing	32.00			3328.00	
Change Over Sub	1.00			3329.00	
Perforations	18.00			3347.00	
Bullnose	3.00			3350.00	57.00 Bottom Packers & Anchor

Total Tool Length: 78.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

TDI Inc. **15 15s 19w Ellis,KS**
 1310 Bison Rd **Dolores #1**
 Hays KS 67601-9696 Job Ticket: 59254 **DST#: 1**
 ATTN: Herb Deines Test Start: 2014.06.08 @ 15:00:00

Mud and Cushion Information

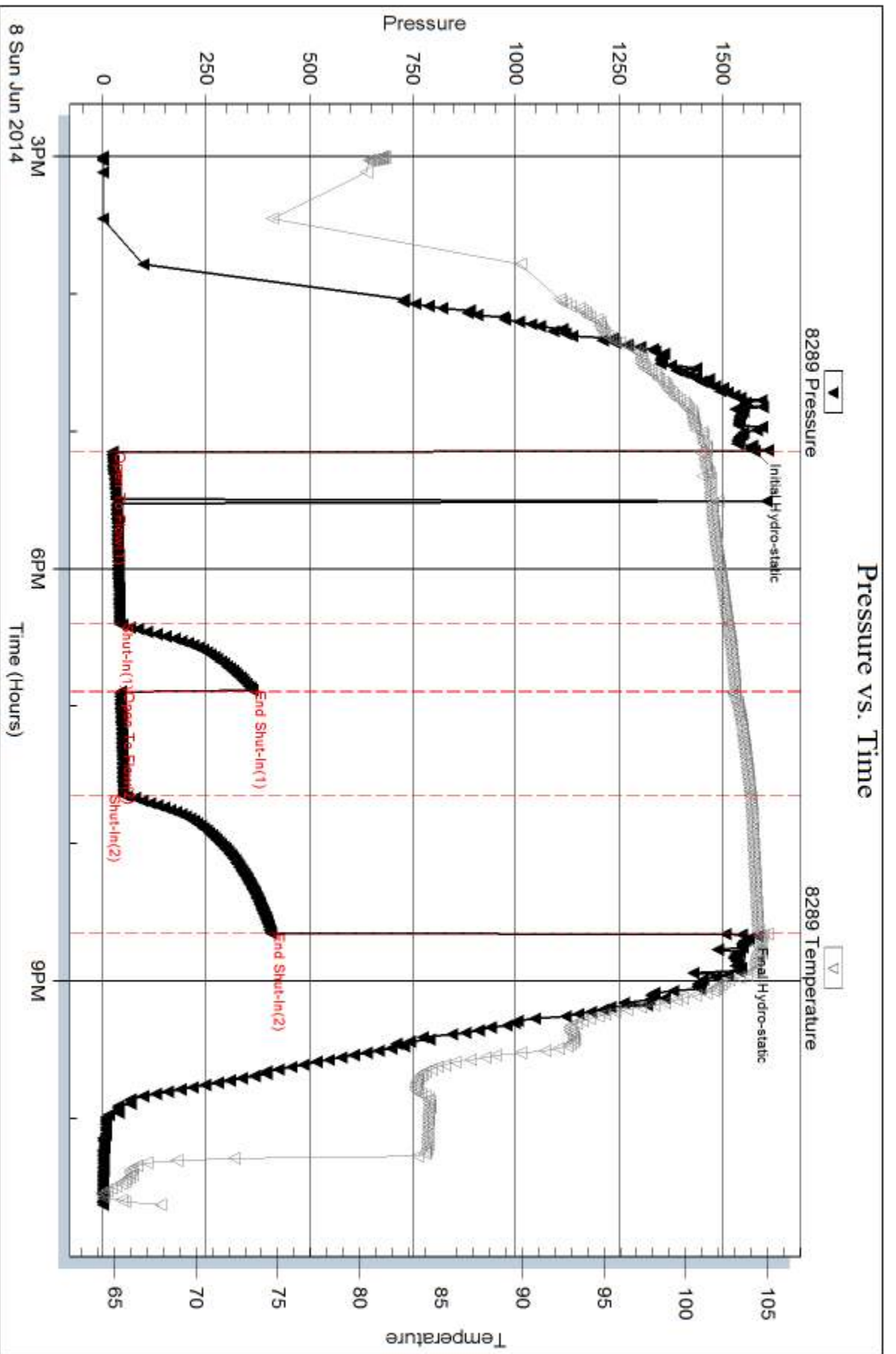
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.56 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	OCM 5%o 95%m	1.052
1.00	CO 100%	0.014

Total Length: 76.00 ft Total Volume: 1.066 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



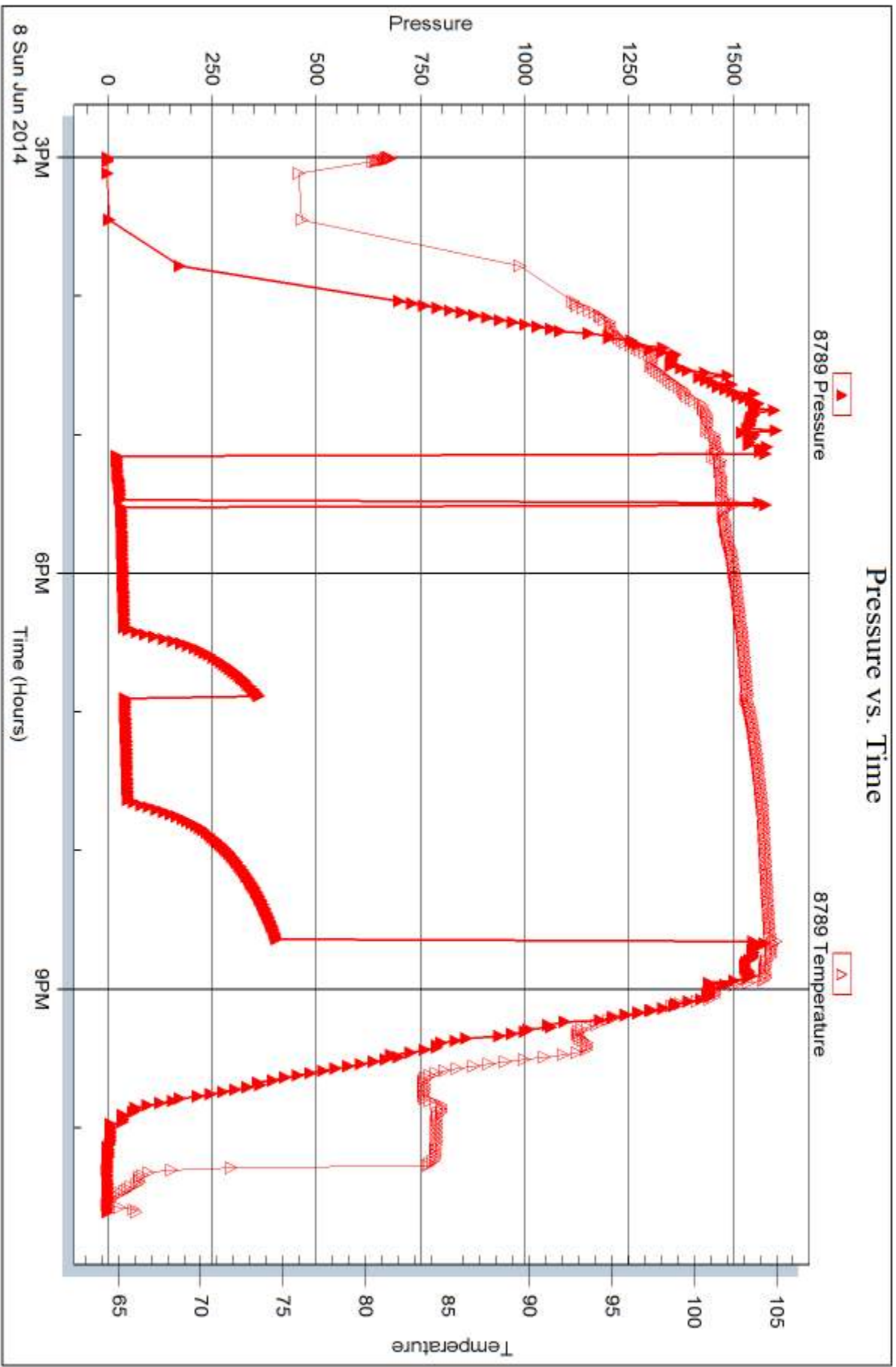
Serial #: 8789

Inside

TDI Inc.

Dolores #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 59254

Printed: 2014.06.11 @ 14:35:10



DRILL STEM TEST REPORT

Prepared For: **TDI Inc.**

1310 Bison Rd
Hays KS 67601-9696

ATTN: Herb Deines

Dolores #1

15 15s 19w Ellis,KS

Start Date: 2014.06.09 @ 12:32:00

End Date: 2014.06.09 @ 19:04:00

Job Ticket #: 59255 DST #: 2

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

Printed: 2014.06.11 @ 14:34:49

TDI Inc. 15 15s 19w Ellis,KS Dolores #1 DST # 2 LKC " H - J " 2014.06.09



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

15 15s 19w Ellis,KS
Dolores #1
Job Ticket: 59255 **DST#: 2**
Test Start: 2014.06.09 @ 12:32:00

Tool Information

Drill Pipe:	Length: 3431.00 ft	Diameter: 3.80 inches	Volume: 48.13 bbl	Tool Weight:	2500.00 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:	60000.00 lb
			<u>Total Volume: 48.13 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3422.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	88.00 ft				
Tool Length:	109.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

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

Change Over Sub	1.00			3402.00	
Shut In Tool	5.00			3407.00	
Hydraulic tool	5.00			3412.00	
Packer	5.00			3417.00	21.00 Bottom Of Top Packer
Packer	5.00			3422.00	
Stubb	1.00			3423.00	
Perforations	1.00			3424.00	
Change Over Sub	1.00			3425.00	
Recorder	0.00	8789	Inside	3425.00	
Recorder	0.00	8289	Outside	3425.00	
Blank Spacing	63.00			3488.00	
Change Over Sub	1.00			3489.00	
Perforations	18.00			3507.00	
Bullnose	3.00			3510.00	88.00 Bottom Packers & Anchor

Total Tool Length: 109.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

TDI Inc. **15 15s 19w Ellis,KS**
 1310 Bison Rd **Dolores #1**
 Hays KS 67601-9696 Job Ticket: 59255 **DST#: 2**
 ATTN: Herb Deines Test Start: 2014.06.09 @ 12:32:00

Mud and Cushion Information

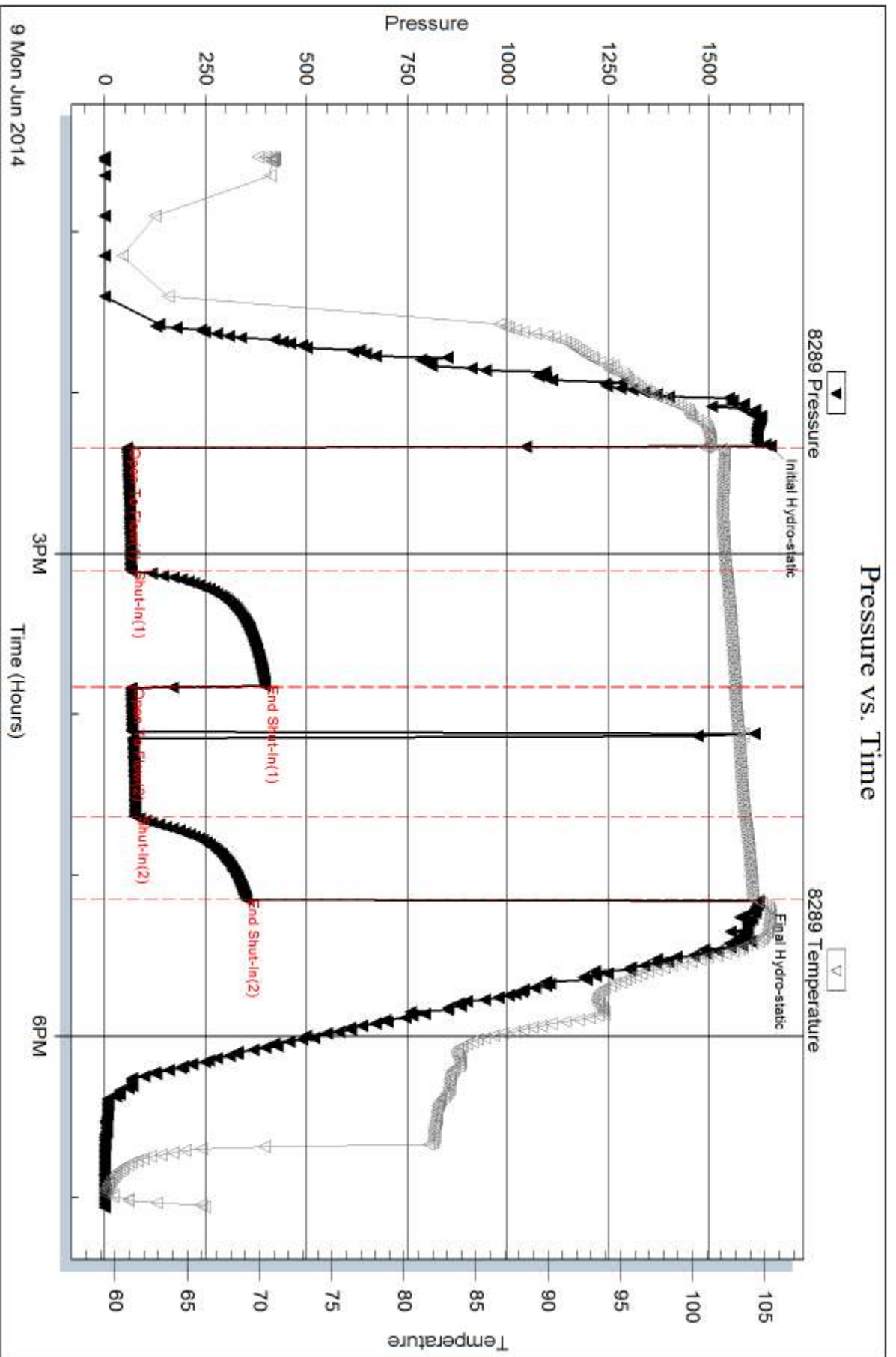
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.95 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3100.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	OSM 100%	1.753

Total Length: 125.00 ft Total Volume: 1.753 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



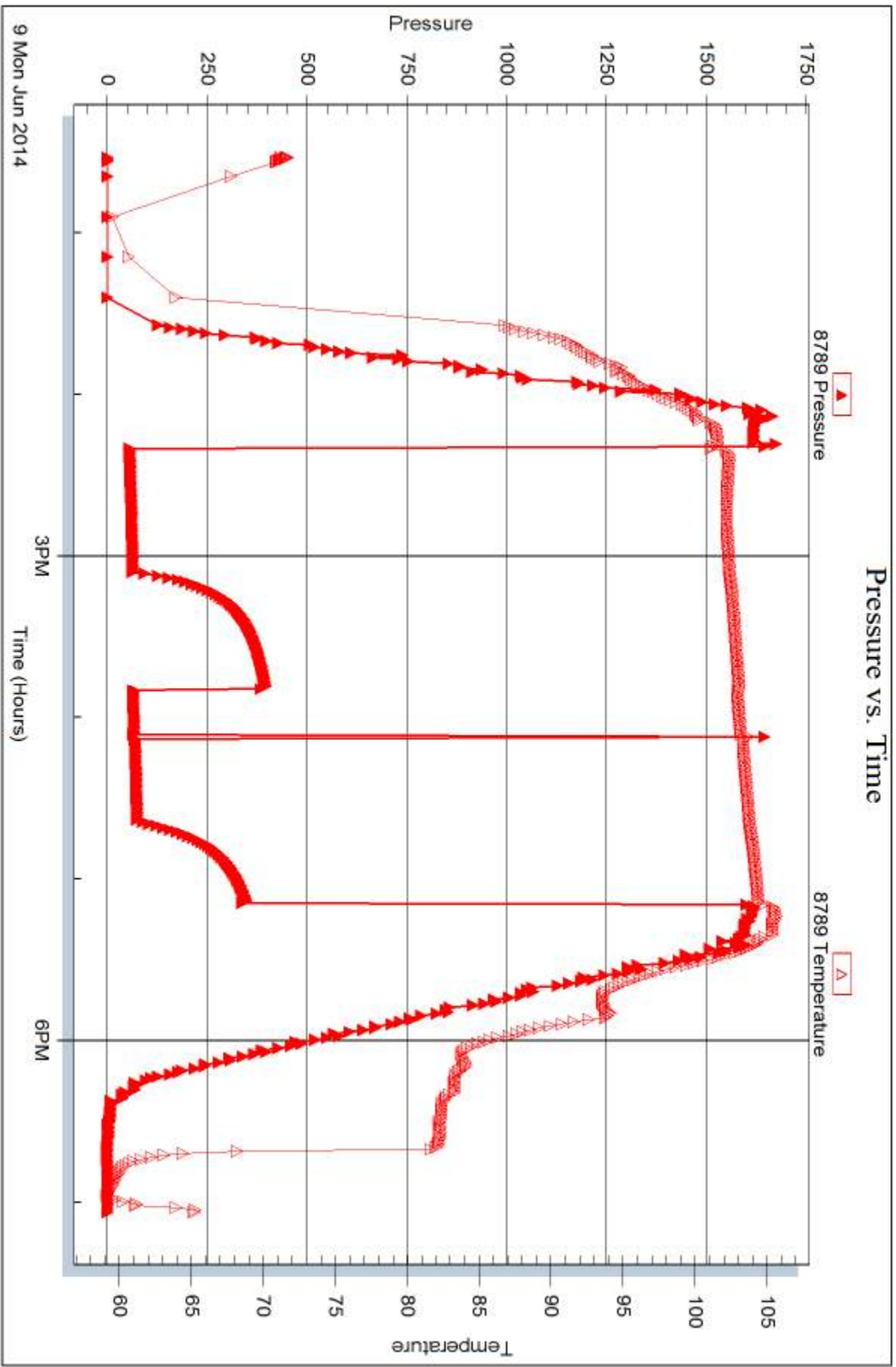
Serial #: 8789

Inside

TDI Inc.

Dolores #1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 59255

Printed: 2014.06.11 @ 14:34:50



DRILL STEM TEST REPORT

Prepared For: **TDI Inc.**

1310 Bison Rd
Hays KS 67601-9696

ATTN: Herb Deines

Dolores #1

15 15s 19w Ellis,KS

Start Date: 2014.06.10 @ 19:04:00

End Date: 2014.06.11 @ 00:00:00

Job Ticket #: 59256 DST #: 3

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

Printed: 2014.06.11 @ 14:34:26

TDI Inc.
15 15s 19w Ellis,KS
Dolores #1
DST # 3
Cong Sand
2014.06.10



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

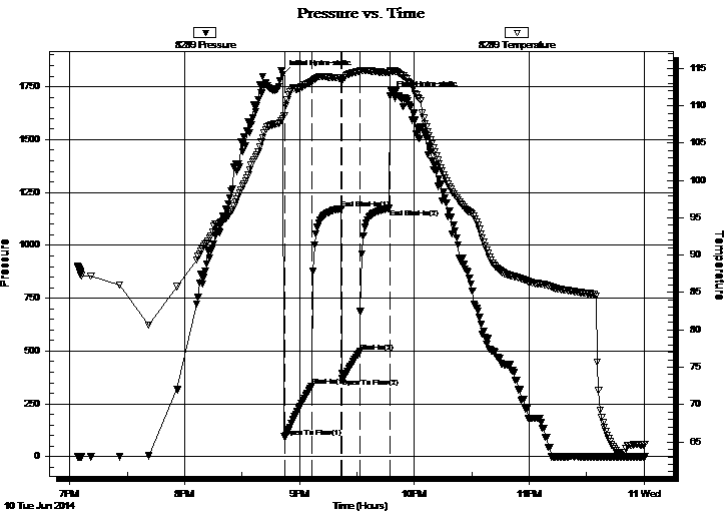
15 15s 19w Ellis,KS
Dolores #1
Job Ticket: 59256 **DST#: 3**
Test Start: 2014.06.10 @ 19:04:00

GENERAL INFORMATION:

Formation: **Cong Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:52:00
Time Test Ended: 00:00:00
Interval: **3608.00 ft (KB) To 3652.00 ft (KB) (TVD)**
Total Depth: 3750.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Straddle (Reset)
Tester: Jim Svaty
Unit No: 76
Reference Elevations: 2019.00 ft (KB)
2011.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8289 Outside
Press@RunDepth: 496.89 psig @ 3612.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.06.10 End Date: 2014.06.11 Last Calib.: 2014.06.11
Start Time: 19:04:02 End Time: 00:00:15 Time On Btm: 2014.06.10 @ 20:51:15
Time Off Btm: 2014.06.10 @ 21:47:15

TEST COMMENT: 15-IFP- BOB in 1 min.
15-ISIP- Very Weak Surface Blow
10-FFP- BOB in 1 min 15 sec.
15-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1808.18	108.26	Initial Hydro-static
1	94.30	108.63	Open To Flow (1)
15	335.33	113.18	Shut-In(1)
31	1172.93	113.68	End Shut-In(1)
31	370.24	113.44	Open To Flow (2)
41	496.89	114.59	Shut-In(2)
56	1174.20	114.39	End Shut-In(2)
56	1706.25	114.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
567.00	OMCW 3%o 5% m 92%w	7.95
252.00	OWCM 4%o 46%w 50% m	3.53
239.00	WCM 20%w 80% m Show of Oil	3.35

* 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

15 15s 19w Ellis,KS
Dolores #1
Job Ticket: 59256 **DST#: 3**
Test Start: 2014.06.10 @ 19:04:00

Tool Information

Drill Pipe:	Length: 3590.00 ft	Diameter: 3.80 inches	Volume: 50.36 bbl	Tool Weight: 2500.00 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: 55000.00 lb
			<u>Total Volume: 50.36 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3608.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	3652.00 ft			
Interval between Packers:	44.00 ft			
Tool Length:	163.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			3588.00	
Shut In Tool	5.00			3593.00	
Hydraulic tool	5.00			3598.00	
Packer	5.00			3603.00	21.00 Bottom Of Top Packer
Packer	5.00			3608.00	
Stubb	1.00			3609.00	
Perforations	2.00			3611.00	
Change Over Sub	1.00			3612.00	
Recorder	0.00	8789	Inside	3612.00	
Recorder	0.00	8289	Outside	3612.00	
Perforations	30.00			3642.00	
Change Over Sub	1.00			3643.00	
Perforations	5.00			3648.00	
Blank Off Sub	1.00			3649.00	
Blank Spacing	3.00			3652.00	44.00 Tool Interval
Packer	1.00			3653.00	
Perforations	4.00			3657.00	
Change Over Sub	1.00			3658.00	
Recorder	0.00	6668	Below	3658.00	
Blank Spacing	92.00			3750.00	98.00 Bottom Packers & Anchor

Total Tool Length: 163.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

TDI Inc. **15 15s 19w Ellis,KS**
 1310 Bison Rd **Dolores #1**
 Hays KS 67601-9696 Job Ticket: 59256 **DST#: 3**
 ATTN: Herb Deines Test Start: 2014.06.10 @ 19:04:00

Mud and Cushion Information

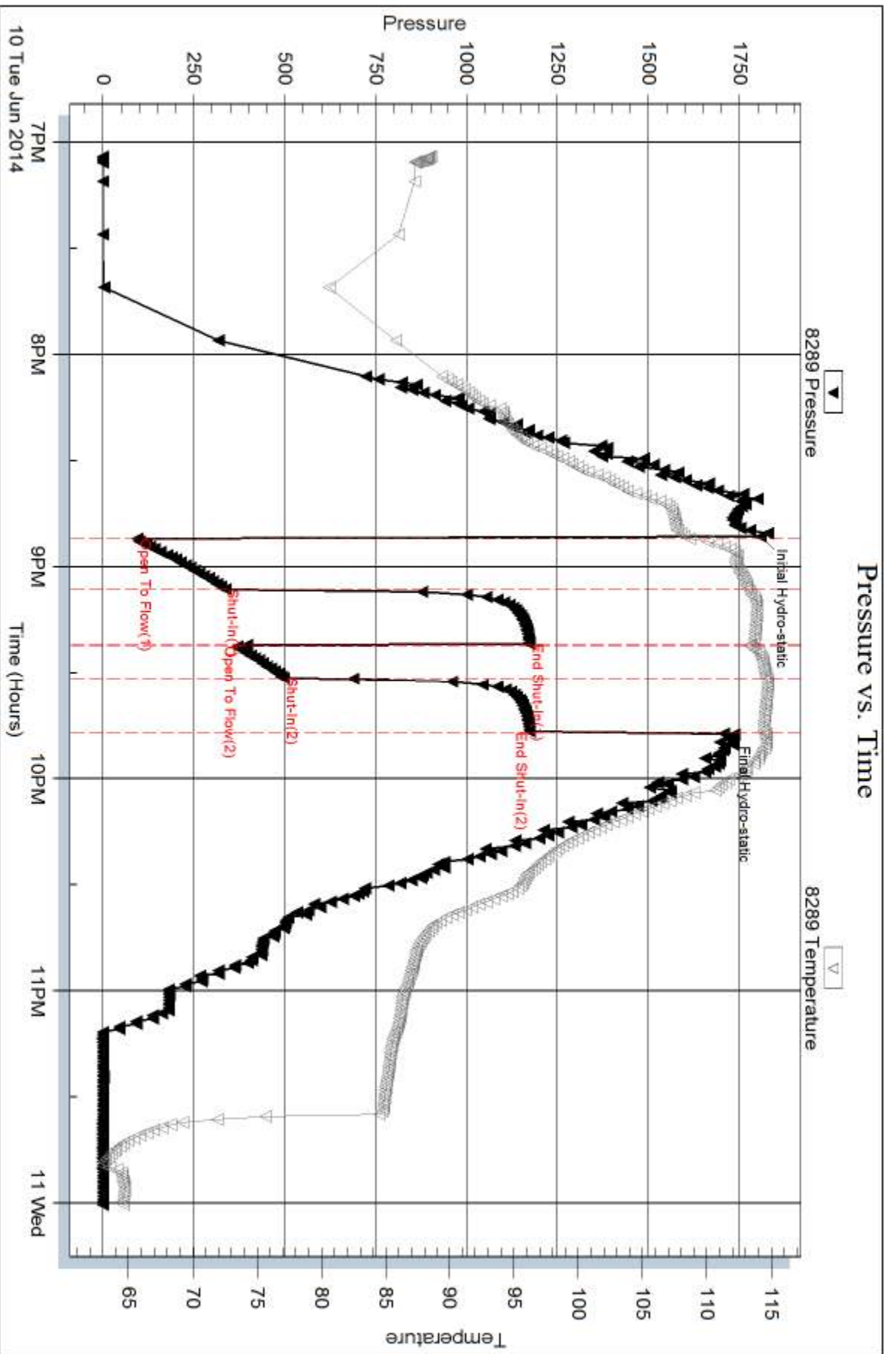
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	19500 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.17 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4300.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
567.00	OMCW 3%o 5%m 92%w	7.954
252.00	OWCM 4%o 46%w 50%m	3.535
239.00	WCM 20%w 80%m Show of Oil	3.353

Total Length: 1058.00 ft Total Volume: 14.842 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: .365 @ 66

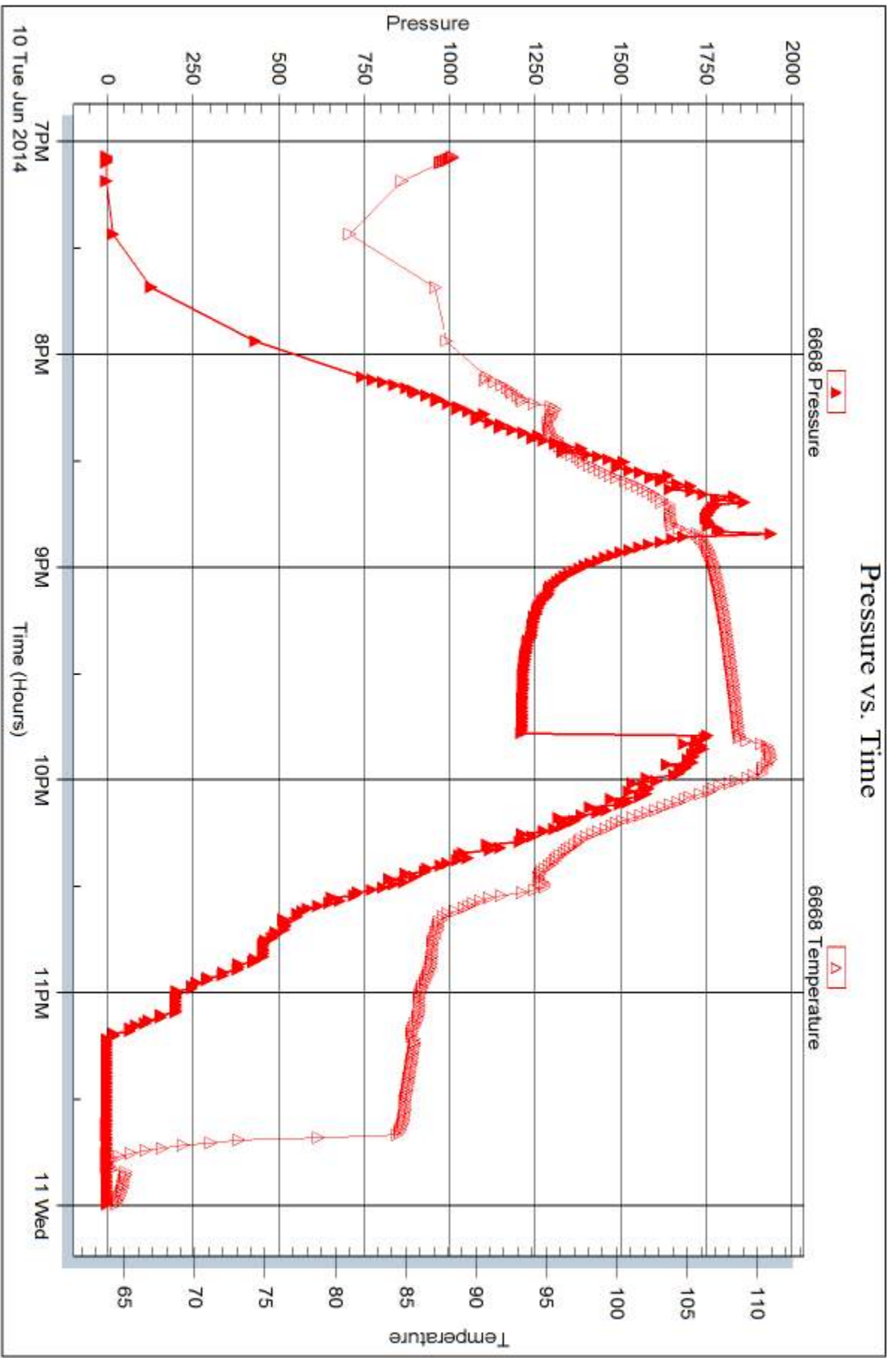


Serial #: 6668

Below (Straddle)

Dolores #1

DST Test Number: 3



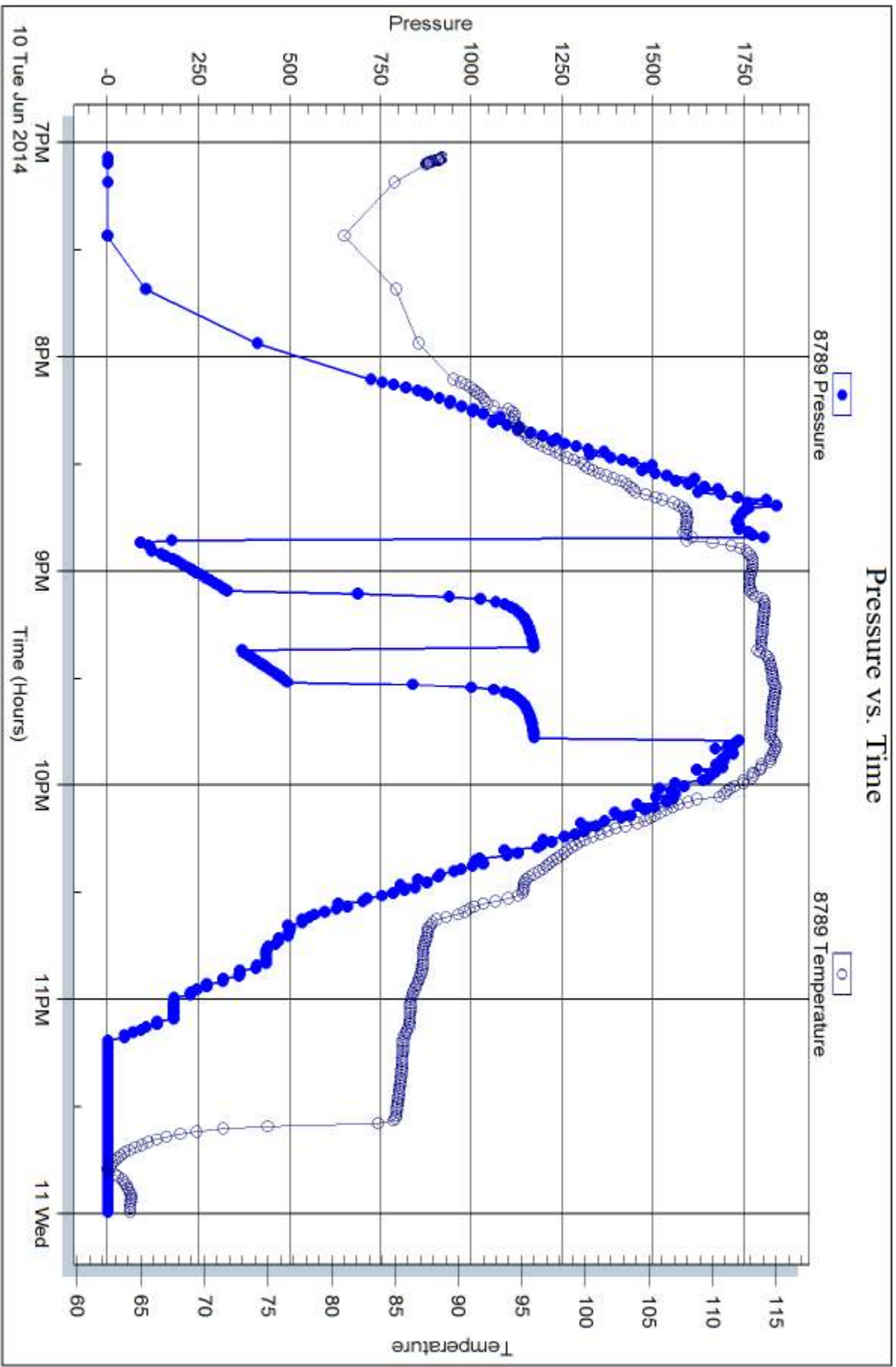
Serial #: 8789

Inside

TDI Inc.

Dolores #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 59256

Printed: 2014.06.11 @ 14:34:27



DRILL STEM TEST REPORT

Prepared For: **TDI Inc.**

1310 Bison Rd
Hays KS 67601-9696

ATTN: Herb Deines

Dolores #1

15 15s 19w Ellis,KS

Start Date: 2014.06.11 @ 00:32:00

End Date: 2014.06.11 @ 05:51:00

Job Ticket #: 59257 DST #: 4

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

Printed: 2014.06.11 @ 14:33:50

TDI Inc. 15 15s 19w Ellis,KS Dolores #1 DST # 4 LKC " K " 2014.06.11



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

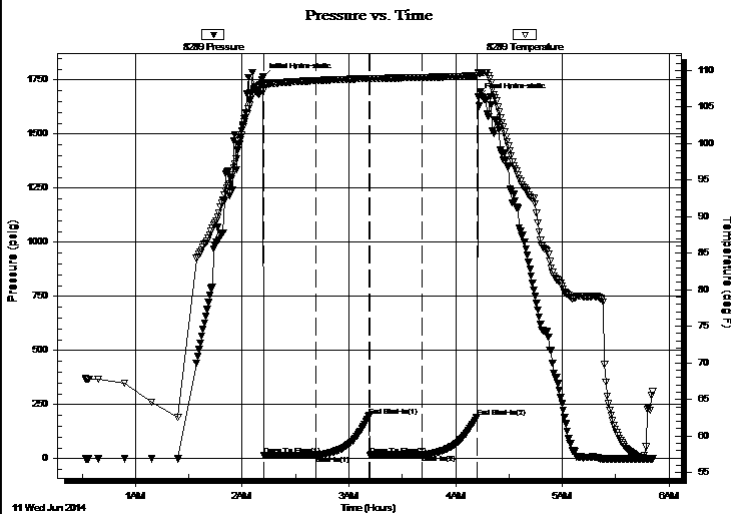
15 15s 19w Ellis,KS
Dolores #1
Job Ticket: 59257 **DST#: 4**
Test Start: 2014.06.11 @ 00:32:00

GENERAL INFORMATION:

Formation: **LKC " K "**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Reset)
Time Tool Opened: 02:12:00 Tester: Jim Svaty
Time Test Ended: 05:51:00 Unit No: 76
Interval: 3502.00 ft (KB) To 3548.00 ft (KB) (TVD) Reference Elevations: 2019.00 ft (KB)
Total Depth: 3751.00 ft (KB) (TVD) 2011.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8289 Outside
Press@RunDepth: 18.11 psig @ 3508.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.06.11 End Date: 2014.06.11 Last Calib.: 2014.06.11
Start Time: 00:32:02 End Time: 05:51:00 Time On Btm: 2014.06.11 @ 02:11:45
Time Off Btm: 2014.06.11 @ 04:12:30

TEST COMMENT: 30-IFP- 1/4" Blow Died in 22 min.
30-ISIP- No Blow
30-FFP- No Blow
30-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1762.96	108.34	Initial Hydro-static
1	16.02	107.25	Open To Flow (1)
30	17.20	108.61	Shut-In(1)
60	198.02	108.93	End Shut-In(1)
90	18.11	109.05	Shut-In(2)
121	192.86	109.26	End Shut-In(2)
121	1670.30	109.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud 100%	0.01

* 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

15 15s 19w Ellis,KS
Dolores #1
Job Ticket: 59257 **DST#: 4**
Test Start: 2014.06.11 @ 00:32:00

Tool Information

Drill Pipe:	Length: 3496.00 ft	Diameter: 3.80 inches	Volume: 49.04 bbl	Tool Weight:	2500.00 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: 49.04 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3502.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	3548.00 ft				
Interval between Packers:	46.00 ft				
Tool Length:	269.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			3482.00	
Shut In Tool	5.00			3487.00	
Hydraulic tool	5.00			3492.00	
Packer	5.00			3497.00	21.00 Bottom Of Top Packer
Packer	5.00			3502.00	
Stubb	1.00			3503.00	
Perforations	4.00			3507.00	
Change Over Sub	1.00			3508.00	
Recorder	0.00	8789	Inside	3508.00	
Recorder	0.00	8289	Outside	3508.00	
Blank Spacing	30.00			3538.00	
Change Over Sub	1.00			3539.00	
Perforations	5.00			3544.00	
Blank Off Sub	1.00			3545.00	
Blank Spacing	3.00			3548.00	46.00 Tool Interval
Packer	1.00			3549.00	
Perforations	14.00			3563.00	
Change Over Sub	1.00			3564.00	
Recorder	0.00	6668	Below	3564.00	
Blank Spacing	186.00			3750.00	202.00 Bottom Packers & Anchor

Total Tool Length: 269.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

TDI Inc. **15 15s 19w Ellis,KS**
 1310 Bison Rd **Dolores #1**
 Hays KS 67601-9696 Job Ticket: 59257 **DST#: 4**
 ATTN: Herb Deines Test Start: 2014.06.11 @ 00:32:00

Mud and Cushion Information

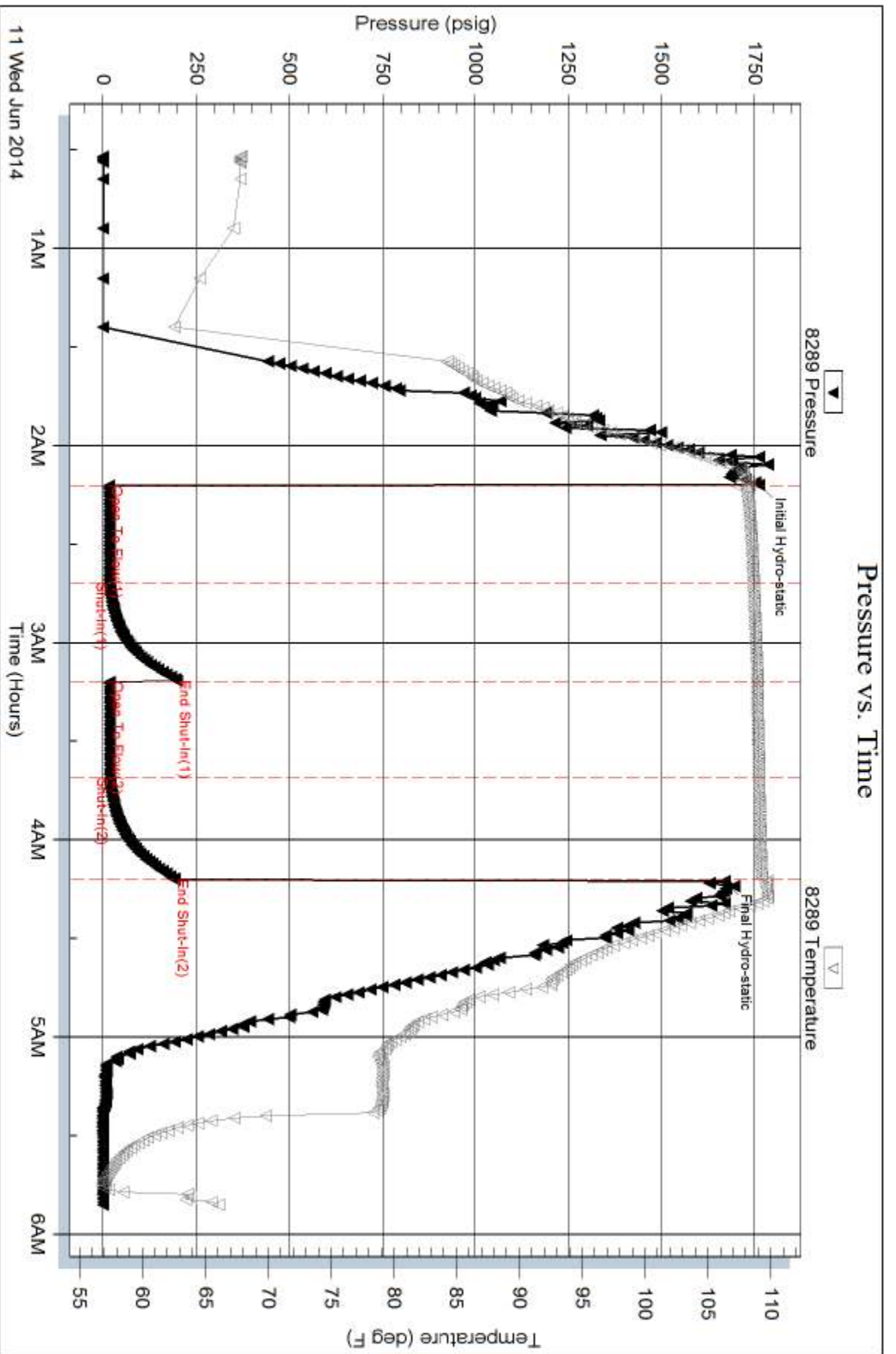
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.16 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4300.00 ppm			
Filter Cake: 2.00 inches			

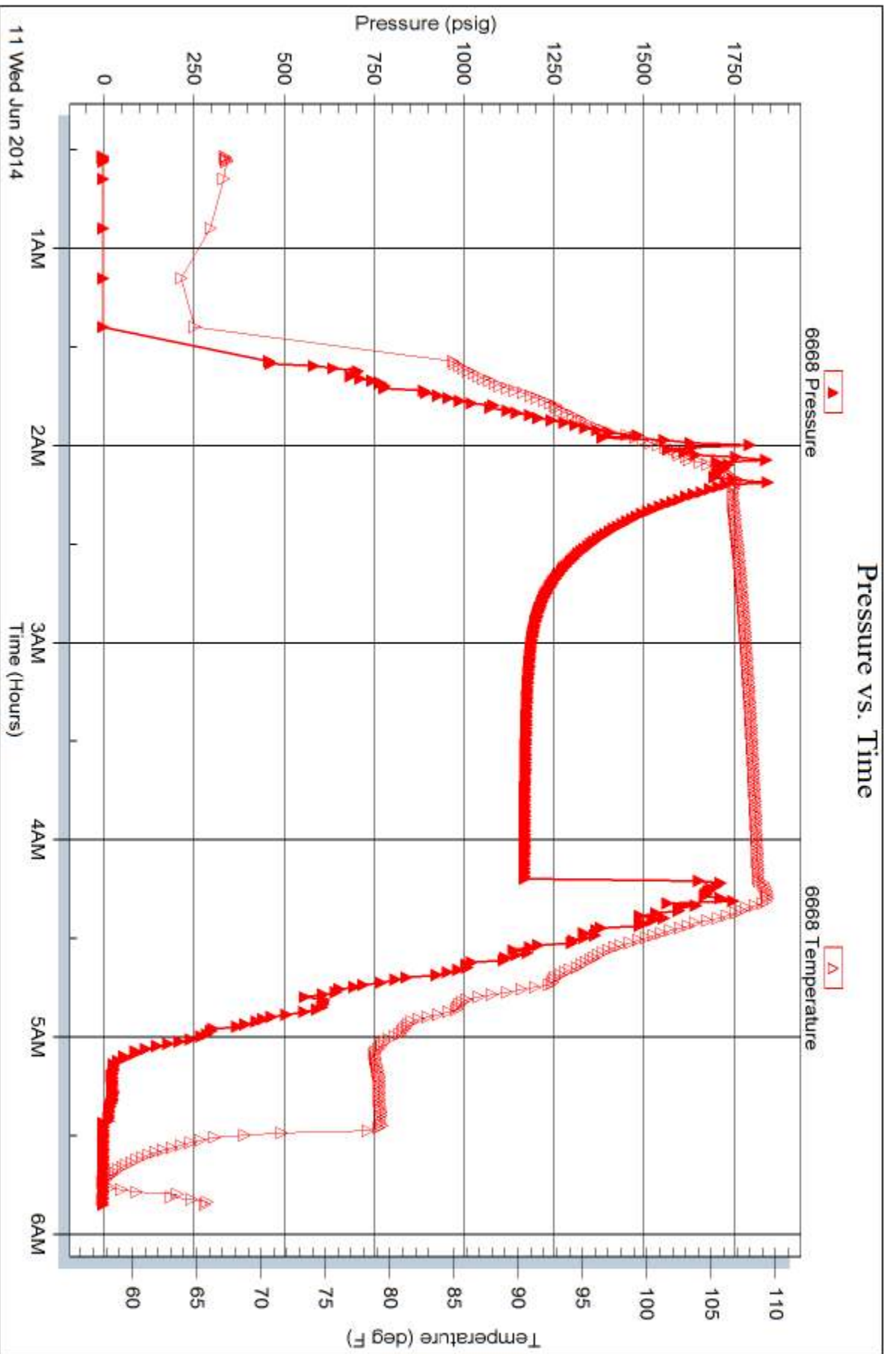
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud 100%	0.014

Total Length: 1.00 ft Total Volume: 0.014 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





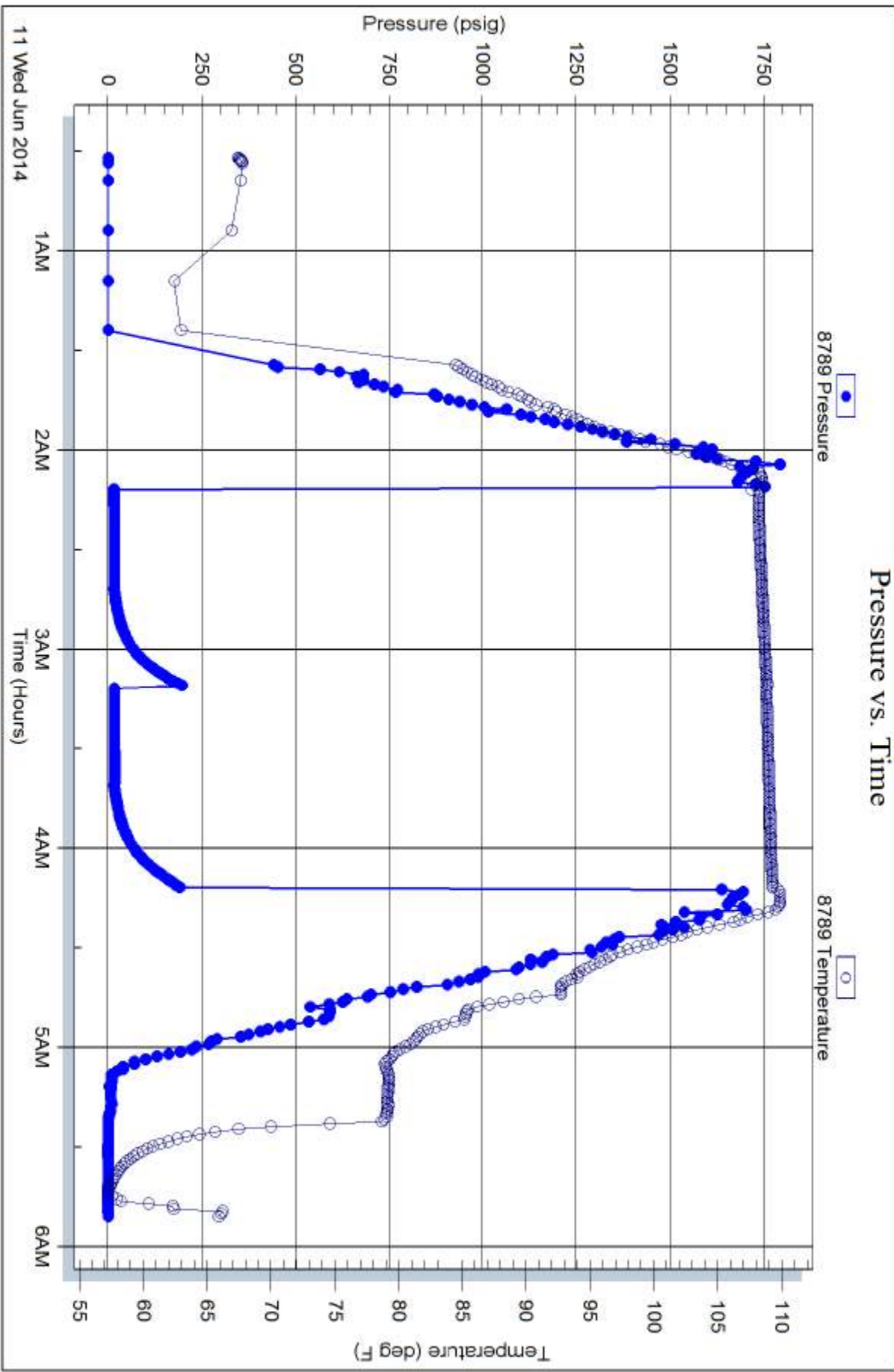
Serial #: 8789

Inside

TDI Inc.

Dolores #1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 59257

Printed: 2014.06.11 @ 14:33:51



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59254

Well Name & No. Dolores #1 Test No. 1 Date 6-8-14
 Company T.P.I., Inc. Elevation 2019 KB 2011 GL
 Address 1310 Bison Rd Hays KS 67601
 Co. Rep / Geo. Herb Deines Rig Southwind #1
 Location: Sec. 15 Twp. 15^s Rge. 19^s Co. Ellis State KS

Interval Tested 3293 - 3350 Zone Tested LKC "A-C"
 Anchor Length 57 Drill Pipe Run 3303 Mud Wt. 8.8
 Top Packer Depth 3287 Drill Collars Run 0 Vis 45
 Bottom Packer Depth 3293 Wt. Pipe Run 0 WL 7.6
 Total Depth 3350 Chlorides 3000 ppm System LCM 1

Blow Description IFP - Flushed x2 10min + 20min Surface Blow to 4in.
ISIP - No Blow
FFP - Surface Blow Building to 4in.
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>75</u>	<u>0cm</u>	<u>5</u>		<u>95</u>	
<u>1</u>	<u>0</u>	<u>100</u>			

Rec Total 76 BHT 105 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1578 Test 1150 T-On Location 14:09
 (B) First Initial Flow 22 Jars _____ T-Started 15:00
 (C) First Final Flow 40 Safety Joint _____ T-Open 17:09
 (D) Initial Shut-In 362 Circ Sub _____ T-Pulled 20:39
 (E) Second Initial Flow 43 Hourly Standby _____ T-Out 22:37
 (F) Second Final Flow 49 Mileage 32 RT 49.60 Comments _____
 (G) Final Shut-In 406 Sampler _____
 (H) Final Hydrostatic 1546 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____

Initial Open 75
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 60

Sub Total 1199.60

Sub Total 1199.60

Approved By _____ Our Representative [Signature]

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. 59255

Well Name & No. Dolores #1 Test No. 2 Date 6-9-14
 Company TDI, Inc. Elevation 2019 KB 2011 GL
 Address 1310 Bison Rd Hays KS 67601-67601
 Co. Rep / Geo. Herb Deines Rig Southwind #1
 Location: Sec. 15 Twp. 15^s Rge. 19^w Co. Ellis State KS

Interval Tested 3422 - 3510 Zone Tested LKC 'H-J'
 Anchor Length 88 Drill Pipe Run 3431 Mud Wt. 9.0
 Top Packer Depth 3417 Drill Collars Run 0 Vis 45
 Bottom Packer Depth 3422 Wt. Pipe Run 0 WL 8.0
 Total Depth 3510 Chlorides 3100 ppm System LCM 1

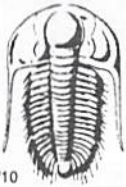
Blow Description IFP - Surface Blow To 5in.
ISIP - No Blow
FFP - No Blow Flashed 15min Surface Blow
FSTIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>125</u>	<u>05m</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 125 BHT 104 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1651</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>12:00</u>
(B) First Initial Flow <u>55</u>	<input type="checkbox"/> Jars _____	T-Started <u>12:32</u>
(C) First Final Flow <u>65</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>14:20</u>
(D) Initial Shut-In <u>396</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>17:09</u>
(E) Second Initial Flow <u>65</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>19:04</u>
(F) Second Final Flow <u>75</u>	<input checked="" type="checkbox"/> Mileage <u>49.60</u>	Comments _____
(G) Final Shut-In <u>349</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>1623</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>0</u>
Final Flow <u>48</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>1199.60</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>1199.60</u>	

Approved By _____ Our Representative [Signature]
 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. 59256

4/10

Well Name & No. Dolores #1 Test No. 3 Date 6-10-14
 Company TDI, Inc. Elevation 2019 KB 2011 GL
 Address 1310 Bison Rd Hays KS 67601
 Co. Rep / Geo. Herb Deines Rig Southwind #1
 Location: Sec. 15 Twp. 15S Rge. 19W Co. Ellis State KS

Interval Tested 3608-3652 Zone Tested Cong. Sand
 Anchor Length 44 (99TP) Drill Pipe Run 3590 Mud Wt. 9.1
 Top Packer Depth 3603 Drill Collars Run 0 Vis 50
 Bottom Packer Depth 3608 Wt. Pipe Run 0 WL 9.2
 Total Depth 3652 Chlorides 4300 ppm System LCM 2

Blow Description TD-3751 IFF- BOB in 1min
ISIP- Very Weak Surface Blow
FFP- BOB in 1min & 15sec.
FSIP- No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>567</u>	<u>0mcw</u>	<u>3</u>	<u>92</u>	<u>5</u>	
<u>252</u>	<u>0wcm</u>	<u>4</u>	<u>46</u>	<u>50</u>	
<u>239</u>	<u>wcm Show of Oil</u>		<u>20</u>	<u>80</u>	

Rec Total 1058 BHT 114 Gravity API RW 36.5 @ 66 °F Chlorides 19,500 ppm
 Test 1150 T-On Location 17:36
 Jars T-Started 19:04
 Safety Joint T-Open 20:52
 Circ Sub T-Pulled 21:47
 Hourly Standby T-Out 00:00
 Mileage 49.60 Comments _____
 Sampler _____
 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 15 Extra Recorder _____ Sub Total 0
 Initial Shut-In 15 Day Standby _____ Total 1799.60
 Final Flow 10 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 15 Sub Total 1799.60

Approved By _____ Our Representative [Signature]
 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. 59257

4/10

Well Name & No. Dolores #1 Test No. 4 Date 6-11-14
 Company TPT, Inc. Elevation 2019 KB 2011 GL
 Address 1310 Bison Rd Hays KS 67601
 Co. Rep / Geo. Herb Deines Rig Southwind 1
 Location: Sec. 15 Twp. 15^s Rge. 19^w Co. Ellis State KS

Interval Tested 3502-3548 Zone Tested LKC "K"
 Anchor Length 46 Drill Pipe Run 3496 Mud Wt. 9.1
 Top Packer Depth 3502 Drill Collars Run 0 Vis 50
 Bottom Packer Depth 3548 Wt. Pipe Run 0 WL 9.2
 Total Depth 3751 Chlorides 4300 ppm System LCM 2
 Blow Description IFP - 1/4" Blow Dried in 22min.
ISIP - No Blow
FFP - No Blow
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</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 1 BHT 109 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1762 Test 1150 T-On Location 17:36-6-10
 (B) First Initial Flow 16 Jars _____ T-Started 00:32
 (C) First Final Flow 17 Safety Joint _____ T-Open 02:12
 (D) Initial Shut-In 198 Circ Sub _____ T-Pulled 04:12
 (E) Second Initial Flow 17 Hourly Standby _____ T-Out 05:51
 (F) Second Final Flow 18 Mileage _____ Comments _____
 (G) Final Shut-In 192 Sampler _____
 (H) Final Hydrostatic 1670 Straddle 600 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 1750
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1750

Approved By _____

Our Representative

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.