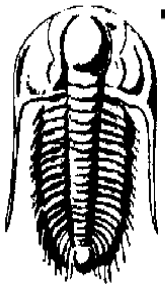


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Double D's LLC**

122 E. 12th
Hays KS 67601

ATTN: Alan Downing

Reichert #3

23-15s-19w Ellis,KS

Start Date: 2013.06.29 @ 22:52:00
End Date: 2013.06.30 @ 04:43:45
Job Ticket #: 53920 DST #: 1

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

Printed: 2013.07.02 @ 14:49:56

DRILL STEM TEST REPORT

Double D's LLC

122 E. 12th
Hays KS 67601

ATTN: Alan Downing

23-15s-19w Ellis,KS

Reichert #3

Job Ticket: 53920 **DST#: 1**

Test Start: 2013.06.29 @ 22:52:00

GENERAL INFORMATION:

Formation: **Lansing H-I-J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:37:00
Time Test Ended: 04:43:45

Test Type: Conventional Bottom Hole (Initial)
Tester: Cody Bloedorn
Unit No: 43

Interval: 3406.00 ft (KB) To 3480.00 ft (KB) (TVD)
Total Depth: 3480.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

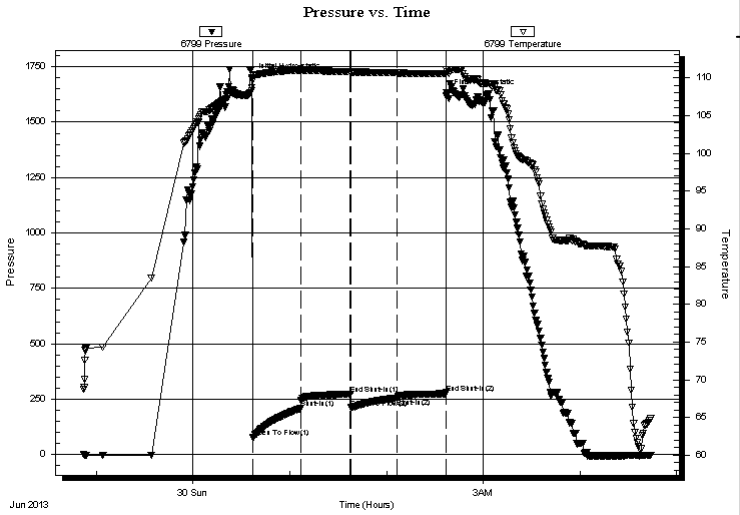
Reference Elevations: 1984.00 ft (KB)
1979.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6799 **Inside**

Press@RunDepth: 253.91 psig @ 3472.00 ft (KB)
Start Date: 2013.06.29 End Date: 2013.06.30
Start Time: 22:52:05 End Time: 04:43:44

Capacity: 8000.00 psig
Last Calib.: 2013.06.30
Time On Btm: 2013.06.30 @ 00:36:30
Time Off Btm: 2013.06.30 @ 02:37:15

TEST COMMENT: 30 - IF- B.O.B. in 8 minutes
30 - ISI- No return
30 - FF- B.O.B. in 10 minutes
30 - FSI- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1699.37	108.70	Initial Hydro-static
1	76.42	109.64	Open To Flow (1)
31	207.81	110.91	Shut-In(1)
61	272.34	110.77	End Shut-In(1)
62	211.28	110.73	Open To Flow (2)
90	253.91	110.63	Shut-In(2)
121	278.39	110.54	End Shut-In(2)
121	1630.89	111.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	MW, 20%M, 80%W	4.35
139.00	WM, 10%W, 90%M	1.95

Gas Rates

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

DRILL STEM TEST REPORT

Double D's LLC

122 E. 12th
Hays KS 67601

ATTN: Alan Downing

23-15s-19w Ellis,KS

Reichert #3

Job Ticket: 53920 **DST#: 1**

Test Start: 2013.06.29 @ 22:52:00

GENERAL INFORMATION:

Formation: **Lansing H-I-J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:37:00
Time Test Ended: 04:43:45

Test Type: Conventional Bottom Hole (Initial)
Tester: Cody Bloedorn
Unit No: 43

Interval: 3406.00 ft (KB) To 3480.00 ft (KB) (TVD)
Total Depth: 3480.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

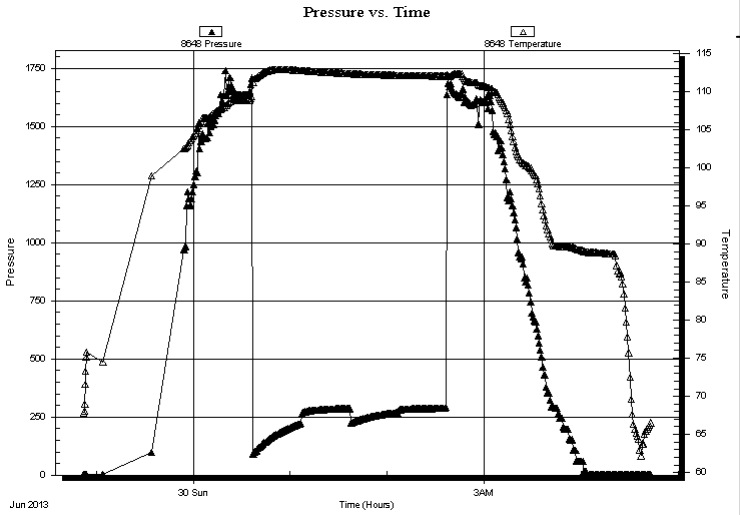
Reference Elevations: 1984.00 ft (KB)
1979.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8648 **Outside**

Press@RunDepth: psig @ 3472.00 ft (KB)
Start Date: 2013.06.29 End Date: 2013.06.30
Start Time: 22:52:05 End Time: 04:42:59

Capacity: 8000.00 psig
Last Calib.: 2013.06.30
Time On Btm:
Time Off Btm:

TEST COMMENT: 30 - IF- B.O.B. in 8 minutes
30 - ISI- No return
30 - FF- B.O.B. in 10 minutes
30 - FSI- No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
310.00	MW, 20%M, 80%W	4.35
139.00	WM, 10%W, 90%M	1.95

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Double D's LLC

122 E. 12th
Hays KS 67601

ATTN: Alan Downing

23-15s-19w Ellis,KS

Reichert #3

Job Ticket: 53920 **DST#: 1**

Test Start: 2013.06.29 @ 22:52:00

Tool Information

Drill Pipe:	Length:	3397.00 ft	Diameter:	3.80	inches	Volume:	47.65	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25	inches	Volume:	0.00	bbl	
						Total Volume:	47.65	bbl	

Drill Pipe Above KB:	12.00 ft
Depth to Top Packer:	3406.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	74.00 ft
Tool Length:	95.00 ft
Number of Packers:	2
Diameter:	6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		30000.00 lb
Weight to Pull Loose:		95000.00 lb
Tool Chased		15.00 ft
String Weight:	Initial	61000.00 lb
	Final	62000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3386.00		
Shut In Tool	5.00			3391.00		
Hydraulic tool	5.00			3396.00		
Packer	5.00			3401.00	21.00	Bottom Of Top Packer
Packer	5.00			3406.00		
Stubb	1.00			3407.00		
Perforations	1.00			3408.00		
Change Over Sub	1.00			3409.00		
Drill Pipe	62.00			3471.00		
Change Over Sub	1.00			3472.00		
Recorder	0.00	6799	Inside	3472.00		
Recorder	0.00	8648	Outside	3472.00		
Perforations	5.00			3477.00		
Bullnose	3.00			3480.00	74.00	Bottom Packers & Anchor
Total Tool Length:	**95.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Double D's LLC

122 E. 12th
Hays KS 67601

ATTN: Alan Downing

23-15s-19w Ellis,KS

Reichert #3

Job Ticket: 53920 **DST#: 1**

Test Start: 2013.06.29 @ 22:52:00

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:	33000 ppm
Viscosity:	60.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1800.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	MW, 20%M, 80%W	4.348
139.00	WM, 10%W, 90%M	1.950

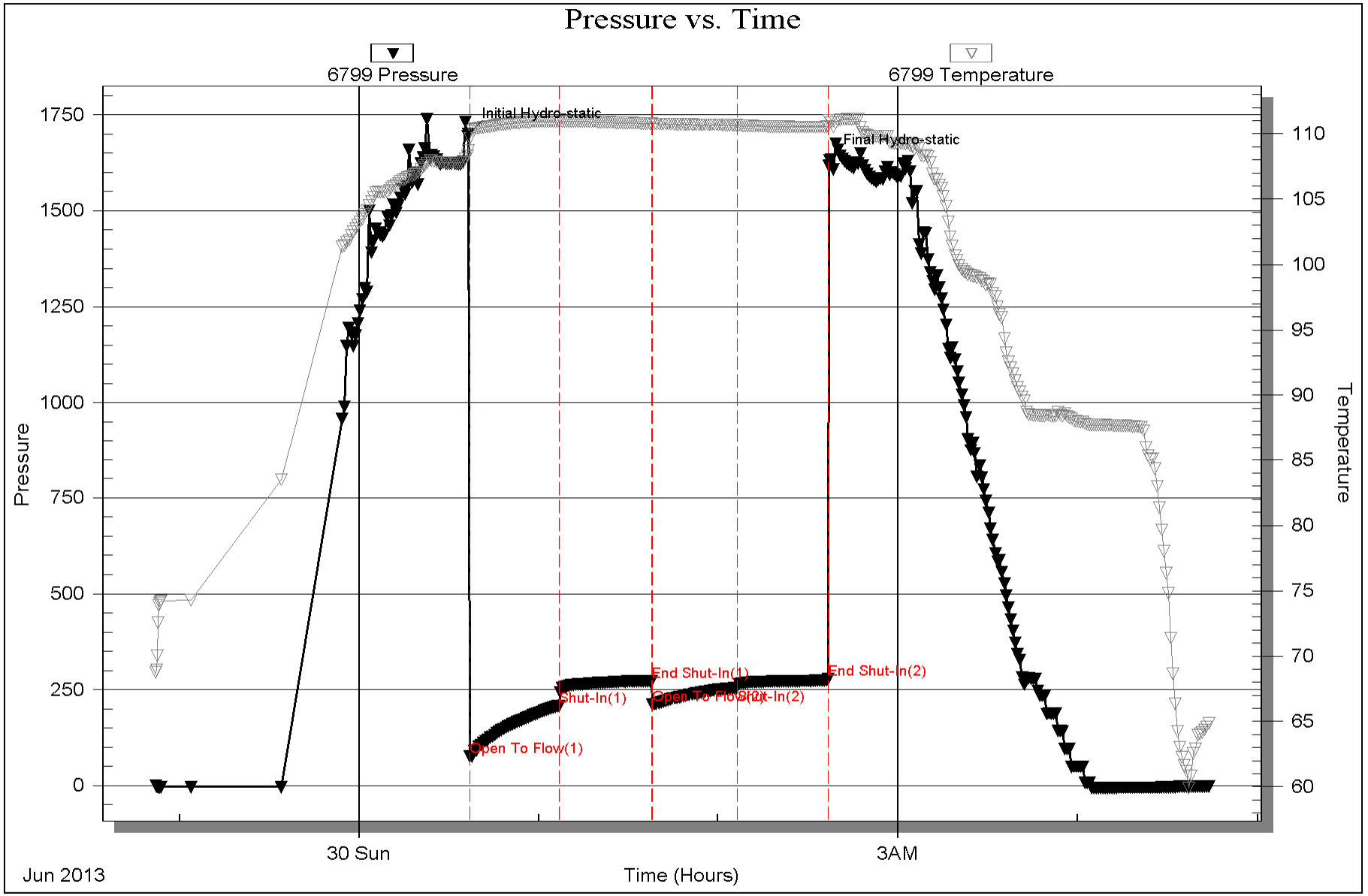
Total Length: 449.00 ft Total Volume: 6.298 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

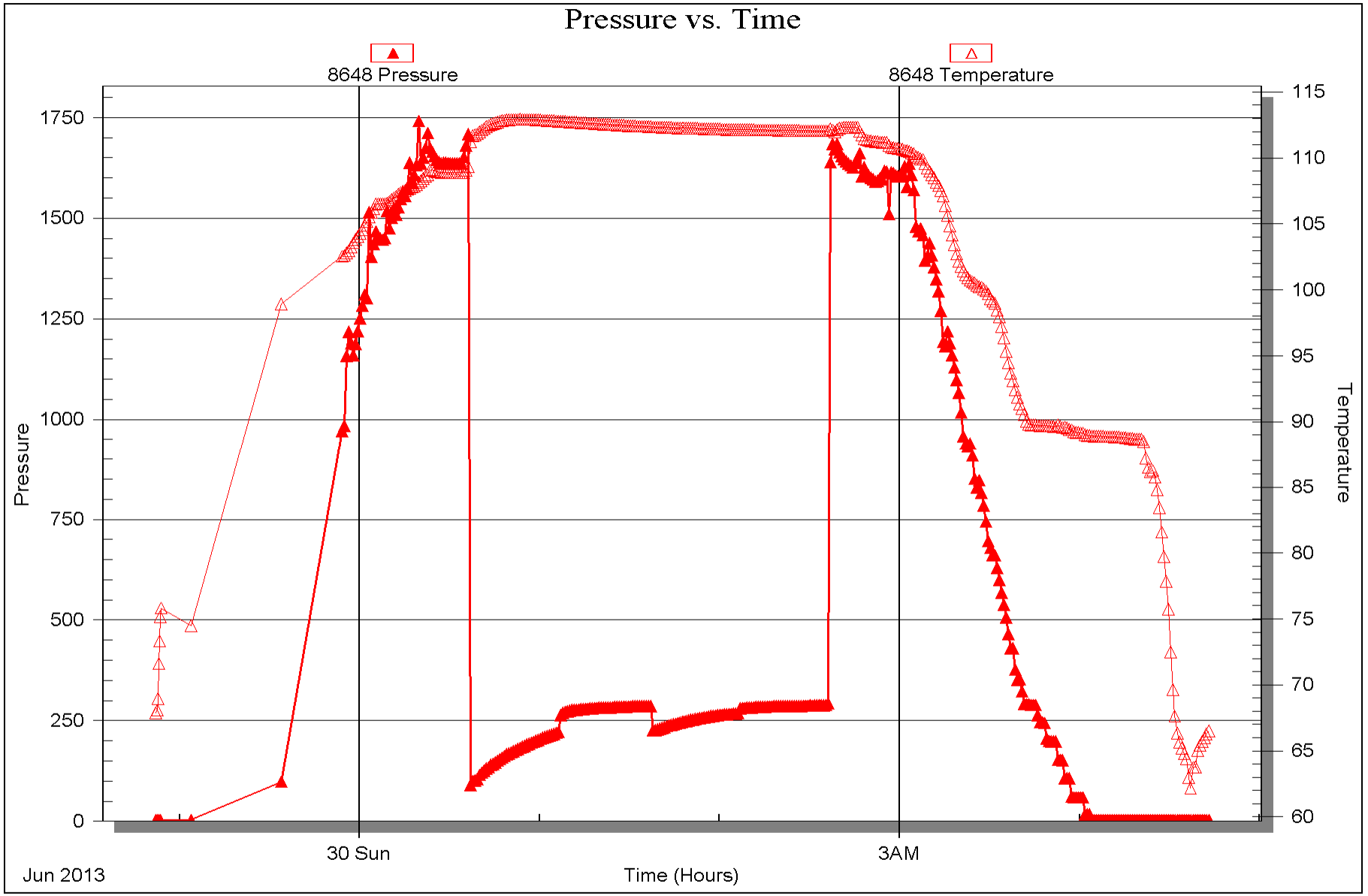
Recovery Comments:

Serial #: 6799 **Inside** Double D's LLC Reichert #3 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 53920 Printed: 2013.07.02 @ 14:49:59

Serial #: 8648 **Outside** Double D's LLC Reichert #3 DST Test Number: 1



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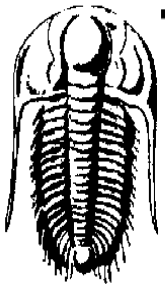


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Double D's LLC**

122 E. 12th
Hays KS 67601

ATTN: Alan Downing

Reichert #3

23-15s-19w Ellis,KS

Start Date: 2013.07.01 @ 11:22:00
End Date: 2013.07.01 @ 17:29:45
Job Ticket #: 53921 DST #: 2

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

Printed: 2013.07.02 @ 14:49:10

DRILL STEM TEST REPORT

Double D's LLC

122 E. 12th
Hays KS 67601

ATTN: Alan Downing

23-15s-19w Ellis,KS

Reichert #3

Job Ticket: 53921 **DST#: 2**

Test Start: 2013.07.01 @ 11:22:00

GENERAL INFORMATION:

Formation: **Cong. Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:40:15
Time Test Ended: 17:29:45

Test Type: Conventional Straddle (Reset)
Tester: Cody Bloedorn
Unit No: 43

Interval: 3595.00 ft (KB) To 3650.00 ft (KB) (TVD)
Total Depth: 3750.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

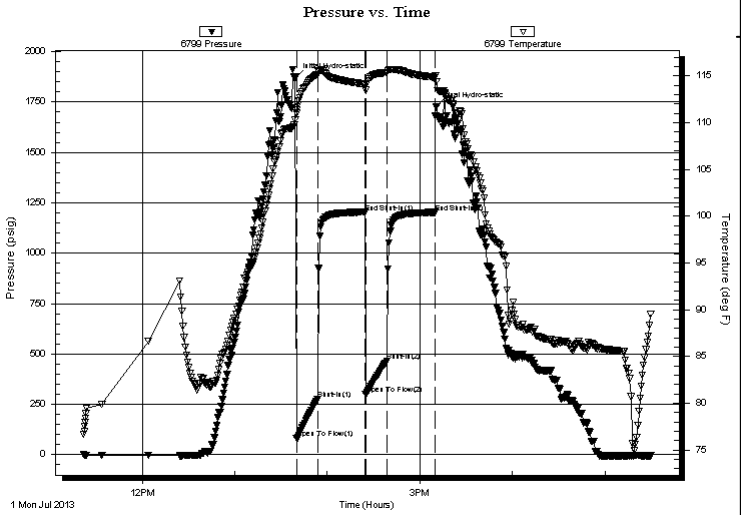
Reference Elevations: 1984.00 ft (KB)
1979.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6799 **Inside**

Press@RunDepth: 463.56 psig @ 3630.00 ft (KB)
Start Date: 2013.07.01 End Date: 2013.07.01
Start Time: 11:22:05 End Time: 17:29:44

Capacity: 8000.00 psig
Last Calib.: 2013.07.01
Time On Btm: 2013.07.01 @ 13:39:15
Time Off Btm: 2013.07.01 @ 15:10:45

TEST COMMENT: 15 - IF- B.O.B. in 1 minute
30 - ISI- No return
15 - FF- B.O.B. in 1 minute
30 - FSI- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1872.32	110.31	Initial Hydro-static
1	79.13	111.34	Open To Flow (1)
15	274.79	115.15	Shut-In(1)
45	1201.98	114.11	End Shut-In(1)
46	301.22	113.49	Open To Flow (2)
60	463.56	115.35	Shut-In(2)
91	1202.85	114.85	End Shut-In(2)
92	1727.25	114.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
682.00	MW, 10%M, 90%W	9.57
186.00	MW, 50%M, 50%W	2.61
124.00	WM, 20%W, 80%M	1.74

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Double D's LLC

122 E. 12th
Hays KS 67601

ATTN: Alan Downing

23-15s-19w Ellis,KS

Reichert #3

Job Ticket: 53921 **DST#: 2**

Test Start: 2013.07.01 @ 11:22:00

GENERAL INFORMATION:

Formation: **Cong. Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:40:15
Time Test Ended: 17:29:45

Test Type: Conventional Straddle (Reset)
Tester: Cody Bloedorn
Unit No: 43

Interval: 3595.00 ft (KB) To 3650.00 ft (KB) (TVD)
Total Depth: 3750.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

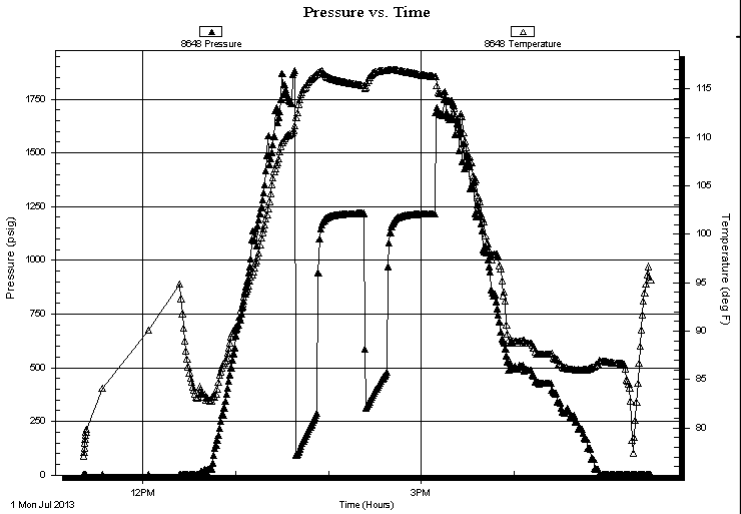
Reference Elevations: 1984.00 ft (KB)
1979.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8648 **Outside**

Press@RunDepth: psig @ 3630.00 ft (KB)
Start Date: 2013.07.01 End Date: 2013.07.01
Start Time: 11:22:05 End Time: 17:28:14

Capacity: 8000.00 psig
Last Calib.: 2013.07.01
Time On Btm:
Time Off Btm:

TEST COMMENT: 15 - IF- B.O.B. in 1 minute
30 - ISI- No return
15 - FF- B.O.B. in 1 minute
30 - FSI- No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
682.00	MW, 10%M, 90%W	9.57
186.00	MW, 50%M, 50%W	2.61
124.00	WM, 20%W, 80%M	1.74

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Double D's LLC

122 E. 12th
Hays KS 67601

ATTN: Alan Downing

23-15s-19w Ellis,KS

Reichert #3

Job Ticket: 53921 **DST#: 2**

Test Start: 2013.07.01 @ 11:22:00

GENERAL INFORMATION:

Formation: **Cong. Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:40:15
Time Test Ended: 17:29:45

Test Type: Conventional Straddle (Reset)
Tester: Cody Bloedorn
Unit No: 43

Interval: 3595.00 ft (KB) To 3650.00 ft (KB) (TVD)
Total Depth: 3750.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

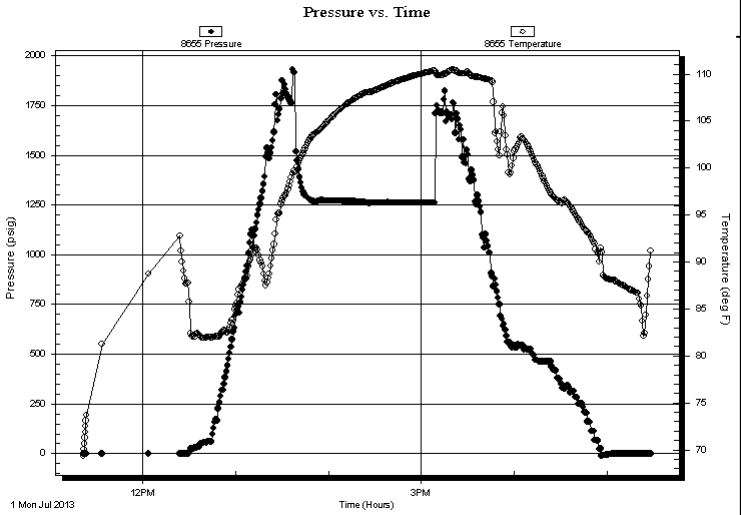
Reference Elevations: 1984.00 ft (KB)
1979.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8655 **Below (Straddle)**

Press@RunDepth: psig @ 3655.00 ft (KB)
Start Date: 2013.07.01 End Date: 2013.07.01
Start Time: 11:22:05 End Time: 17:28:14

Capacity: 8000.00 psig
Last Calib.: 2013.07.01
Time On Btm:
Time Off Btm:

TEST COMMENT: 15 - IF- B.O.B. in 1 minute
30 - ISI- No return
15 - FF- B.O.B. in 1 minute
30 - FSI- No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
682.00	MW, 10%M, 90%W	9.57
186.00	MW, 50%M, 50%W	2.61
124.00	WM, 20%W, 80%M	1.74

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Double D's LLC

122 E. 12th
Hays KS 67601

ATTN: Alan Downing

23-15s-19w Ellis,KS

Reichert #3

Job Ticket: 53921 **DST#: 2**

Test Start: 2013.07.01 @ 11:22:00

Tool Information

Drill Pipe:	Length:	3586.00 ft	Diameter:	3.80	inches	Volume:	50.30	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25	inches	Volume:	0.00	bbl	
						Total Volume:	50.30	bbl	

Drill Pipe Above KB:	12.00 ft
Depth to Top Packer:	3595.00 ft
Depth to Bottom Packer:	3650.00 ft
Interval between Packers:	55.00 ft
Tool Length:	180.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		30000.00 lb
Weight to Pull Loose:		74000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	62000.00 lb
	Final	70000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3575.00		
Shut In Tool	5.00			3580.00		
Hydraulic tool	5.00			3585.00		
Packer	5.00			3590.00	21.00	Bottom Of Top Packer
Packer	5.00			3595.00		
Stubb	1.00			3596.00		
Perforations	1.00			3597.00		
Change Over Sub	1.00			3598.00		
Drill Pipe	31.00			3629.00		
Change Over Sub	1.00			3630.00		
Recorder	0.00	6799	Inside	3630.00		
Recorder	0.00	8648	Outside	3630.00		
Perforations	19.00			3649.00		
Blank Off Sub	1.00			3650.00	55.00	Tool Interval
Packer	4.00			3654.00		
Change Over Sub	1.00			3655.00		
Recorder	0.00	8655	Below	3655.00		
Drill Pipe	93.00			3748.00		
Change Over Sub	1.00			3749.00		
Perforations	2.00			3751.00		
Bullnose	3.00			3754.00	104.00	Bottom Packers & Anchor
Total Tool Length:	**180.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Double D's LLC

122 E. 12th
Hays KS 67601

ATTN: Alan Downing

23-15s-19w Ellis,KS

Reichert #3

Job Ticket: 53921 **DST#: 2**

Test Start: 2013.07.01 @ 11:22:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:			Oil API:		deg API
Mud Weight:	lb/gal	Cushion Length:	ft		Water Salinity:	30000	ppm
Viscosity:	sec/qt	Cushion Volume:	bbl				
Water Loss:	in³	Gas Cushion Type:					
Resistivity:	ohm.m	Gas Cushion Pressure:	psig				
Salinity:	ppm						
Filter Cake:	inches						

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
682.00	MW, 10%M, 90%W	9.567
186.00	MW, 50%M, 50%W	2.609
124.00	WM, 20%W, 80%M	1.739

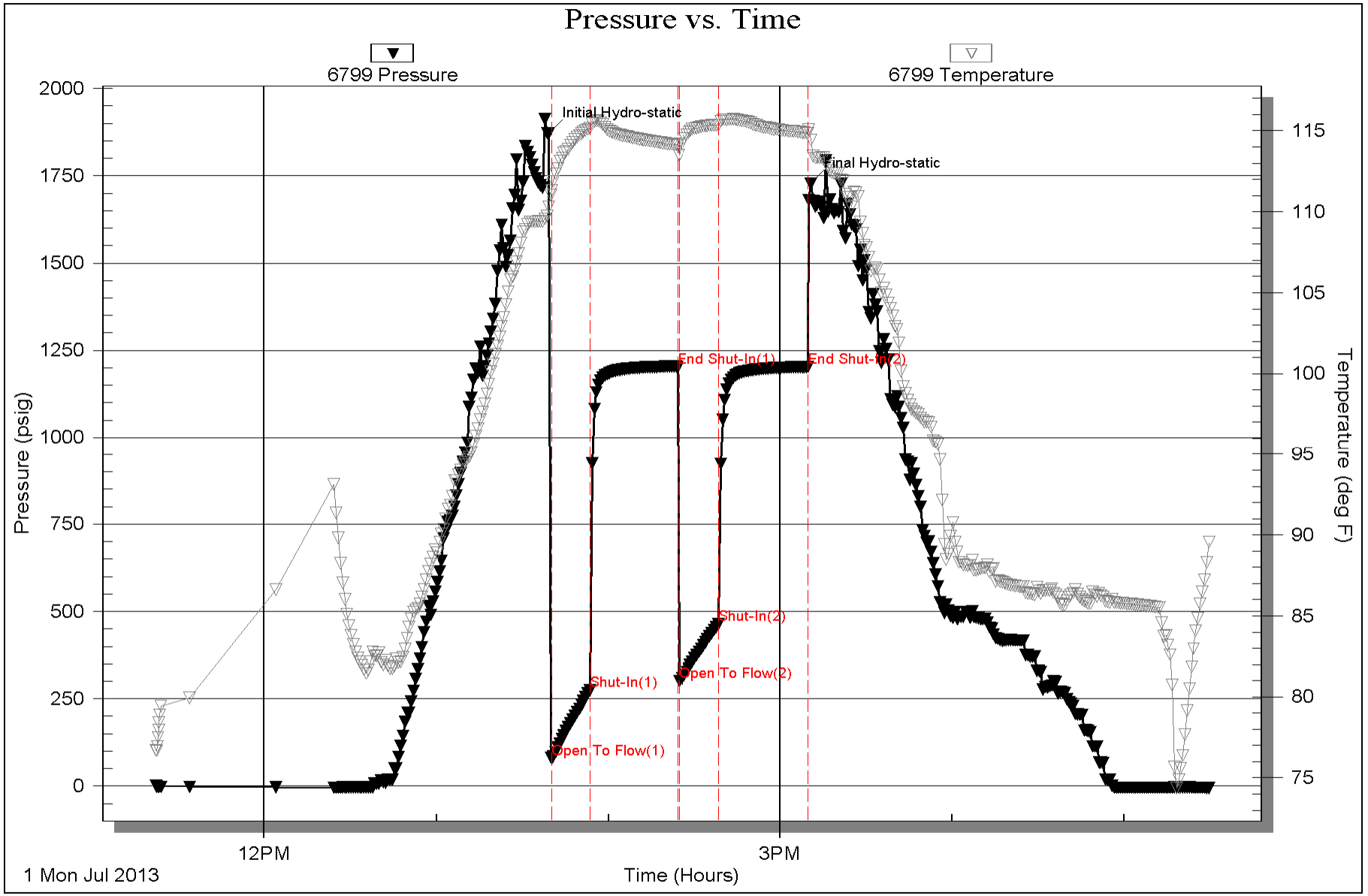
Total Length: 992.00 ft Total Volume: 13.915 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

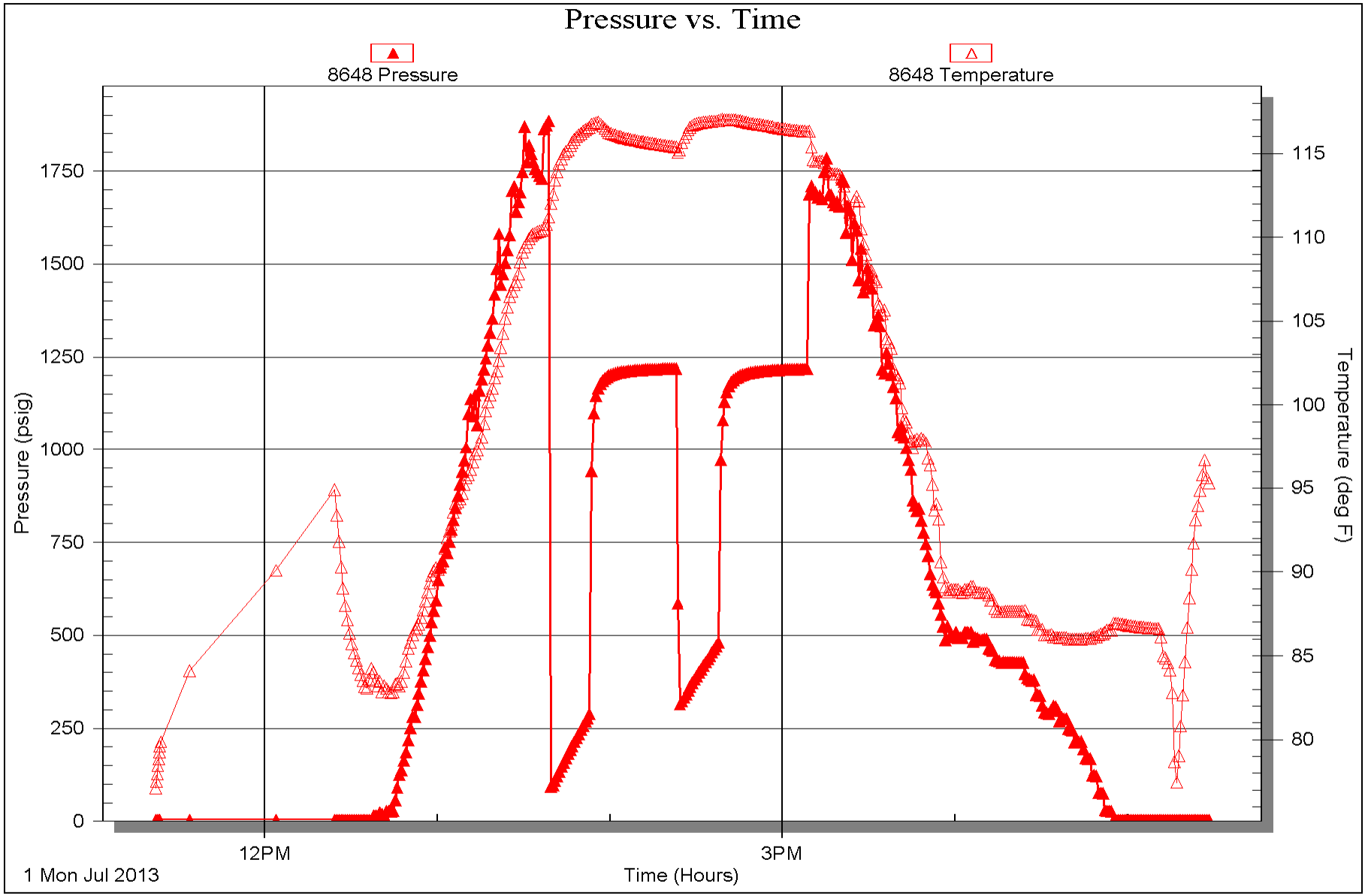
Recovery Comments: .25 @ 70 Degrees = 30, 000

Serial #: 6799 **Inside** Double D's LLC Reichert #3 DST Test Number: 2



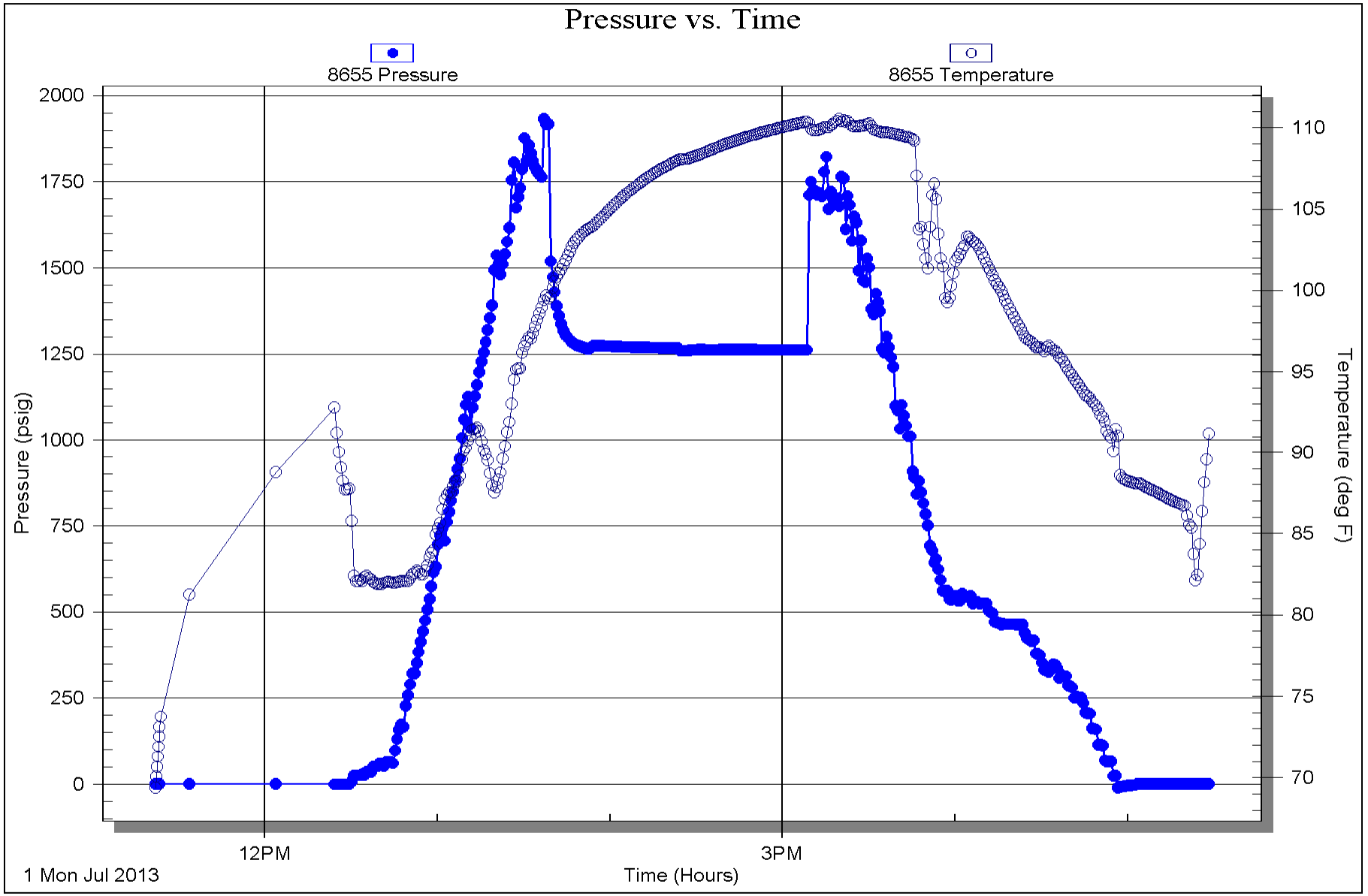
Trilobite Testing, Inc Ref. No: 53921 Printed: 2013.07.02 @ 14:49:13

Serial #: 8648 **Outside** Double D's LLC Reichert #3 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 53921 Printed: 2013.07.02 @ 14:49:14

Serial #: 8655 Below (Straddle) Double D's LLC Reichert #3 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 53921 Printed: 2013.07.02 @ 14:49:14

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 53920

Well Name & No. Reichert #3 Test No. 1 Date 6-29-13

Company Double D's LLC Elevation 1984 KB 1979 GL

Address 133 E. 12th, Hays KS, 67601

Co. Rep / Geo. Allen Downing Rig Royal

Location: Sec. 23 Twp. 15s Rge. 19W Co. Ellis State KS

Interval Tested 3406 - 3480 Zone Tested H-I-J

Anchor Length 74' Drill Pipe Run 3397' Mud Wt. 8.9

Top Packer Depth 3401 Drill Collars Run — Vis 60+

Bottom Packer Depth 3406 Wt. Pipe Run — WL 7.2

Total Depth 3480 Chlorides 1800 ppm System LCM 2#

Blow Description IF- B.O.B. in 8 minutes
ISI- No return
FF- B.O.B. in 10 minutes
FSI- No return

Rec 310	Feet of MW	%gas	%oil	80 %water	20 %mud	
Rec 139	Feet of WM	%gas	%oil	10 %water	90 %mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	

Rec Total 449' BHT 110° Gravity — API RW .125 @ 60 °F Chlorides 33,000 ppm

(A) Initial Hydrostatic 1699	☒ Test 1150	T-On Location 9:40pm
(B) First Initial Flow 76	☐ Jars	T-Started 10:52pm
(C) First Final Flow 207	☐ Safety Joint	T-Open 12:37am
(D) Initial Shut-In 272	☐ Circ Sub	T-Pulled 2:37am
(E) Second Initial Flow 211	☐ Hourly Standby	T-Out 4:44am
(F) Second Final Flow 253	☒ Mileage 33RT 51.15	Comments
(G) Final Shut-In 278	☐ Sampler	
(H) Final Hydrostatic 1630	☐ Straddle	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
Initial Open 30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 30	☐ Extra Recorder	Sub Total 0
Final Flow 30	☐ Day Standby	Total 1201.15
Final Shut-In 30	☐ Accessibility	MP/DST Disc't
	Sub Total 1201.15	

Approved By _____ Our Representative Cody Bla

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 53921

Well Name & No. Reichert #3 Test No. 2 Date 7-1-13

Company Double D's LLC Elevation 1984 KB 1979 GL

Address 133 E. 12th, Hays KS, 67601

Co. Rep / Geo. Allen Downing Rig Royal #1

Location: Sec. 23 Twp. 15s Rge. 19w Co. Ellis State KS

Interval Tested 3595 - 3650 TD 3750 Zone Tested Cong. Snd

Anchor Length 55' 100' tail Drill Pipe Run 3586 Mud Wt.

Top Packer Depth 3590 Drill Collars Run — Vis

Bottom Packer Depth 3595 Wt. Pipe Run — WL

Total Depth 3650 Chlorides ppm System LCM

Blow Description IF - B.O.B. in 1 minute
ISI - No return
FF - B.O.B. in 1 minute
FSI - No return

Rec 682	Feet of MW	%gas	%oil 90	%water 10	%mud	
Rec 186	Feet of MW	%gas	%oil 50	%water 50	%mud	
Rec 124	Feet of WM	%gas	%oil 20	%water 80	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	

Rec Total 992' BHT 114° Gravity — API RW .125 @ 70 °F Chlorides 30,000 ppm

(A) Initial Hydrostatic 1872	☒ Test 1150	T-On Location 10:30 am
(B) First Initial Flow 79	☐ Jars	T-Started 11:22 am
(C) First Final Flow 274	☐ Safety Joint	T-Open 1:40 pm
(D) Initial Shut-In 1201	☐ Circ Sub	T-Pulled 3:10 pm
(E) Second Initial Flow 301	☐ Hourly Standby	T-Out 5:30 pm
(F) Second Final Flow 463	☒ Mileage 33RT 51.15	Comments
(G) Final Shut-In 1202	☐ Sampler	
(H) Final Hydrostatic 1727	☒ Straddle 600	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
Initial Open 15	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 30	☐ Extra Recorder	Sub Total 191.67
Final Flow 15	☒ Day Standby over 24 hrs 1d 5.75h	Total 1992.82
Final Shut-In 30	☐ Accessibility	MP/DST Disc't
	Sub Total 1801.15	

Approved By Our Representative Cody Blank