

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Anderson Exploration LLC**

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

Knoll #26-1

26/10S/25W/Graham

Start Date: 2014.10.03 @ 16:51:00

End Date: 2014.10.04 @ 03:56:49

Job Ticket #: 61905 DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2014.10.04 @ 04:31:07

DRILL STEM TEST REPORT

Anderson Exploration LLC

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

26/10S/25W/Graham

Knoll #26-1

Job Ticket: 61905 **DST#: 1**

Test Start: 2014.10.03 @ 16:51:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:45:00
Time Test Ended: 03:56:49

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: S1 Hays/108

Interval: 3822.00 ft (KB) To 3842.00 ft (KB) (TVD)
Total Depth: 3842.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 2518.00 ft (KB)
2513.00 ft (CF)
KB to GR/CF: 5.00 ft

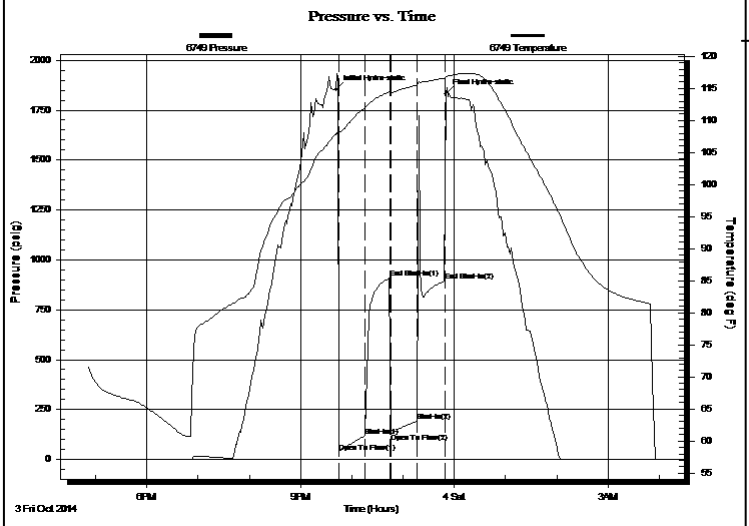
Serial #: 6749 **Inside**

Press@RunDepth: 192.46 psig @ 3838.00 ft (KB)
Start Date: 2014.10.03 End Date: 2014.10.04
Start Time: 16:51:00 End Time: 03:56:49

Capacity: 5000.00 psig
Last Calib.: 2014.10.04
Time On Btm: 2014.10.03 @ 21:42:00
Time Off Btm: 2014.10.03 @ 23:50:00

TEST COMMENT: Bit out of hole 4:51 pm, Started in hole 7:30pm

1ST Open 30 Minutes/Good blow /Blow built to bottom of bucket in 6 minutes 30 seconds
1ST Shut In 30 Minutes/Blow back built to 2 inches



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1853.13	107.91	Initial Hydro-static
3	38.53	108.04	Open To Flow (1)
33	118.71	111.98	Shut-In(1)
63	909.77	114.49	End Shut-In(1)
64	130.56	114.34	Open To Flow (2)
95	192.46	115.56	Shut-In(2)
127	894.13	116.60	End Shut-In(2)
128	1830.72	116.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	403 feet of gas in pipe	0.00
186.00	Clean gassy oil	2.61
0.00	Gas 10% Oil 90%	0.00
93.00	Oil and water cut gassy mud	1.30
0.00	Oil 10% Water 10% Gas 15% Mud 65%	0.00
124.00	Oil cut muddy water	1.74

Gas Rates

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

DRILL STEM TEST REPORT

Anderson Exploration LLC

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

26/10S/25W/Graham

Knoll #26-1

Job Ticket: 61905 **DST#: 1**

Test Start: 2014.10.03 @ 16:51:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:45:00
Time Test Ended: 03:56:49

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: S1 Hays/108

Interval: 3822.00 ft (KB) To 3842.00 ft (KB) (TVD)
Total Depth: 3842.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 2518.00 ft (KB)
2513.00 ft (CF)
KB to GR/CF: 5.00 ft

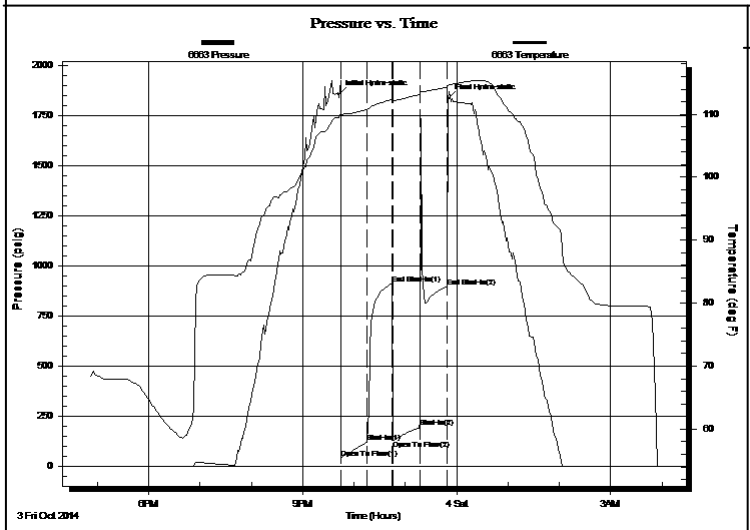
Serial #: 6663 **Outside**

Press@RunDepth: 896.04 psig @ 3839.00 ft (KB)
Start Date: 2014.10.03 End Date: 2014.10.04
Start Time: 16:51:00 End Time: 03:57:00

Capacity: 5000.00 psig
Last Calib.: 2014.10.04
Time On Btm: 2014.10.03 @ 21:42:00
Time Off Btm: 2014.10.03 @ 23:50:00

TEST COMMENT: Bit out of hole 4:51 pm, Started in hole 7:30pm

1ST Open 30 Minutes/Good blow /Blow built to bottom of bucket in 6 minutes 30 seconds
1ST Shut In 30 Minutes/Blow back built to 2 inches



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1854.16	109.49	Initial Hydro-static
3	39.64	109.93	Open To Flow (1)
33	119.95	110.81	Shut-In(1)
63	911.34	112.36	End Shut-In(1)
64	132.19	112.18	Open To Flow (2)
95	193.61	113.11	Shut-In(2)
127	896.04	114.30	End Shut-In(2)
128	1831.24	114.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	403 feet of gas in pipe	0.00
186.00	Clean gassy oil	2.61
0.00	Gas 10% Oil 90%	0.00
93.00	Oil and water cut gassy mud	1.30
0.00	Oil 10% Water 10% Gas 15% Mud 65%	0.00
124.00	Oil cut muddy water	1.74

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Anderson Exploration LLC

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

26/10S/25W/Graham

Knoll #26-1

Job Ticket: 61905 **DST#: 1**

Test Start: 2014.10.03 @ 16:51:00

Tool Information

Drill Pipe:	Length:	3799.00 ft	Diameter:	3.80 inches	Volume:	53.29 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		28000.00 lb
					Total Volume:	53.29 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		4.00 ft					String Weight:	Initial	30000.00 lb
Depth to Top Packer:		3822.00 ft						Final	28000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		20.00 ft							
Tool Length:		47.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments: Weight indicator not working properly, tool weights are off

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			3800.00		
Hydraulic tool	5.00			3805.00		
Jars	5.00			3810.00		
Safety Joint	2.00			3812.00		
Top Packer	5.00			3817.00		
Packer	5.00			3822.00	27.00	Bottom Of Top Packer
Anchor	15.00			3837.00		
Recorder	1.00	6749	Inside	3838.00		
Recorder	1.00	6663	Outside	3839.00		
Bullnose	3.00			3842.00	20.00	Anchor Tool
Total Tool Length:	**47.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Anderson Exploration LLC

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

26/10S/25W/Graham

Knoll #26-1

Job Ticket: 61905 **DST#: 1**

Test Start: 2014.10.03 @ 16:51:00

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:	7.80 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	403 feet of gas in pipe	0.000
186.00	Clean gassy oil	2.609
0.00	Gas 10% Oil 90%	0.000
93.00	Oil and w ater cut gassy mud	1.305
0.00	Oil 10% Water 10% Gas 15% Mud 65%	0.000
124.00	Oil cut muddy w ater	1.739
0.00	Oil 5% Mud 15% Water 80%	0.000

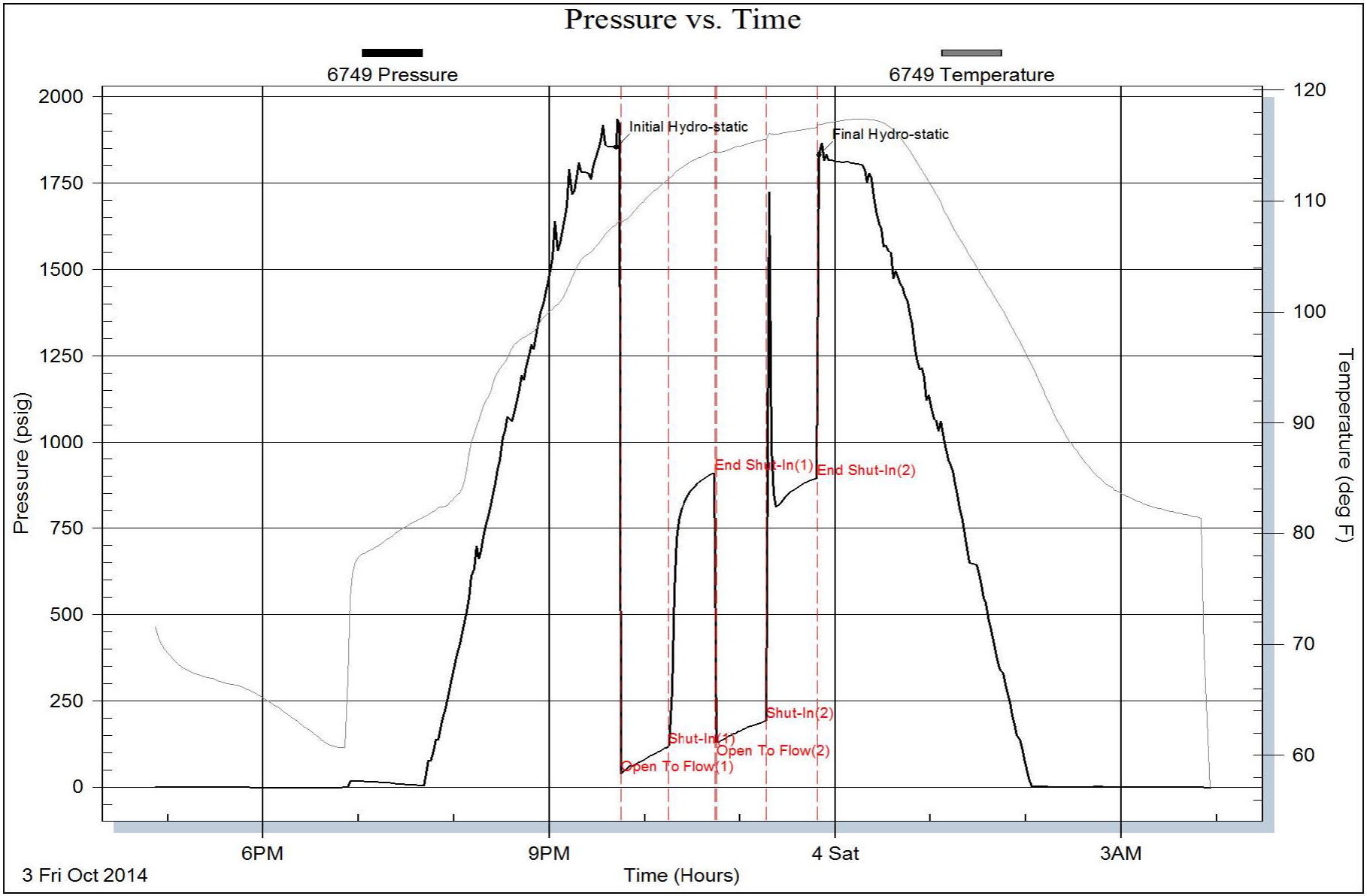
Total Length: 403.00 ft Total Volume: 5.653 bbl

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

Laboratory Name: Laboratory Location:

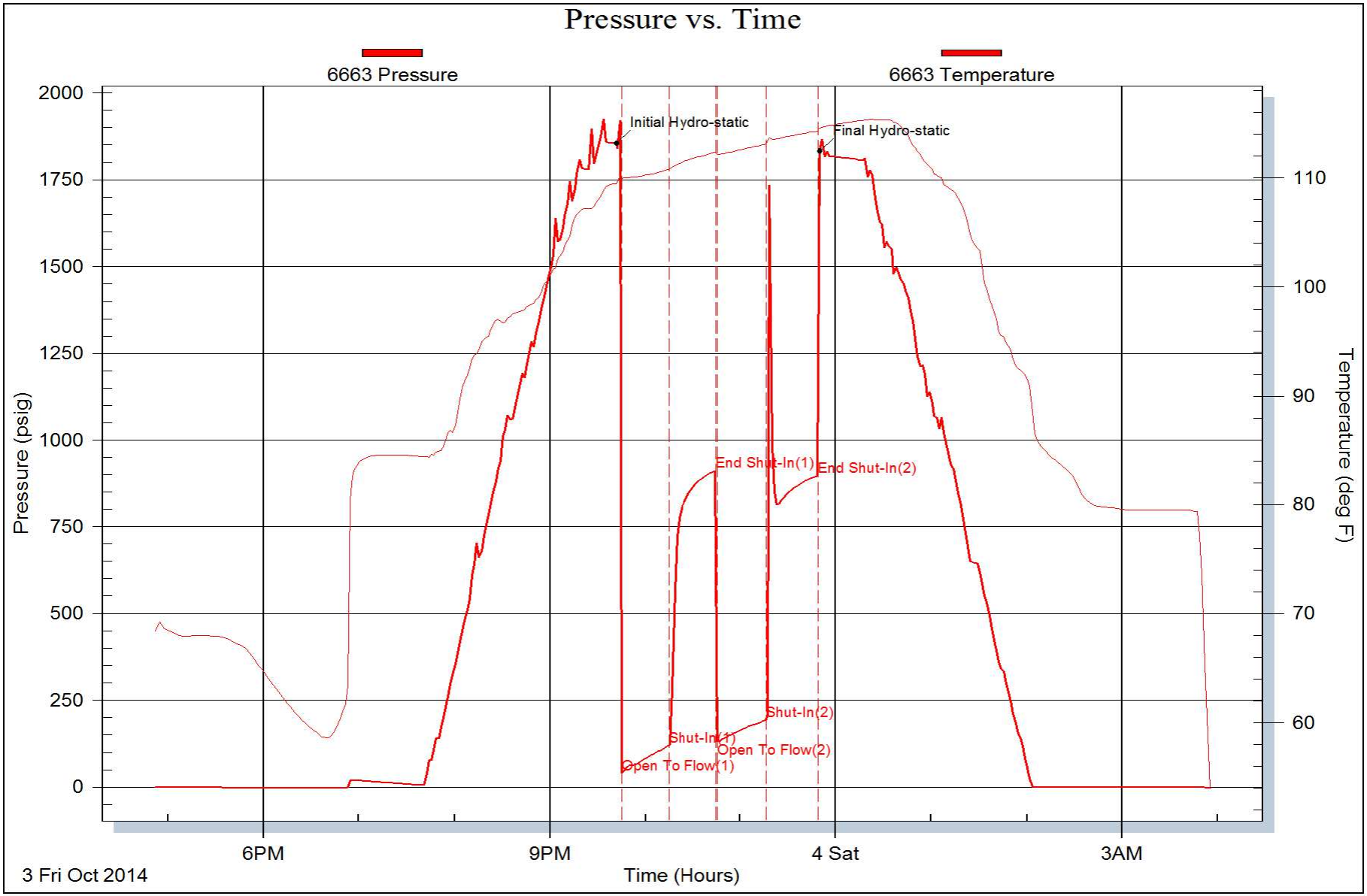
Recovery Comments: 63,000 ppm recovery chlorides

Serial #: 6749 **Inside** Anderson Exploration LLC Knoll #26-1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 61905 Printed: 2014.10.04 @ 04:31:08

Serial #: 6663 **Outside** Anderson Exploration LLC Knoll #26-1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 61905 Printed: 2014.10.04 @ 04:31:08

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Anderson Exploration LLC**

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

Knoll #26-1

26/10S/25W/Graham

Start Date: 2014.10.05 @ 18:51:00
End Date: 2014.10.05 @ 23:50:30
Job Ticket #: 61906 DST #: 2

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

Printed: 2014.10.06 @ 00:03:04

DRILL STEM TEST REPORT

Anderson Exploration LLC

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

26/10S/25W/Graham

Knoll #26-1

Job Ticket: 61906 **DST#: 2**

Test Start: 2014.10.05 @ 18:51:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:36:00
Time Test Ended: 23:50:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: S1 Hays/108

Interval: 3856.00 ft (KB) To 3880.00 ft (KB) (TVD)
Total Depth: 3880.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Fair

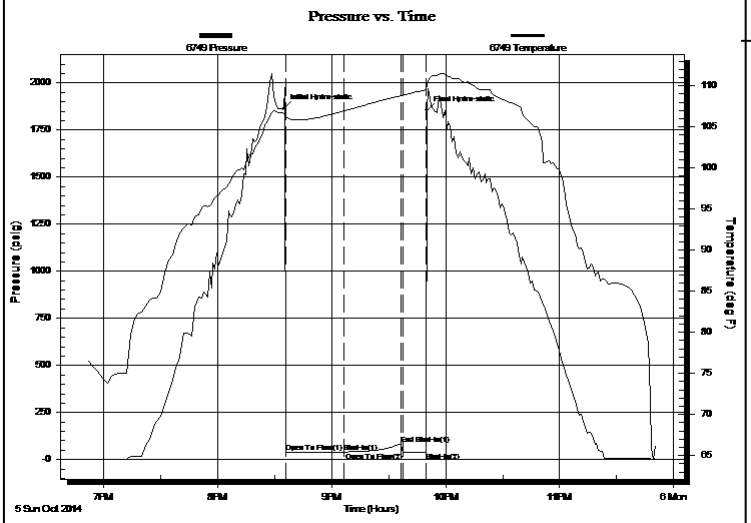
Reference Elevations: 2518.00 ft (KB)
2513.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6749 **Inside**

Press@RunDepth: 40.33 psig @ 3857.00 ft (KB)
Start Date: 2014.10.05 End Date: 2014.10.05
Start Time: 18:51:00 End Time: 23:50:30

Capacity: 5000.00 psig
Last Calib.: 2014.10.06
Time On Btm: 2014.10.05 @ 20:34:30
Time Off Btm: 2014.10.05 @ 21:50:00

TEST COMMENT:
1ST Open 30 Minutes/Weak blow /Blow built to 1/2 inch
1ST Shut In 30 Minutes/No blow back
2ND Open 13 Minutes/Dead no blow /Flush tool no help/Pull test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1861.19	106.67	Initial Hydro-static
2	38.12	106.10	Open To Flow (1)
32	40.33	106.94	Shut-In(1)
62	83.56	108.82	End Shut-In(1)
63	38.74	108.86	Open To Flow (2)
75	40.74	109.51	Shut-In(2)
76	1854.20	110.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud with show of oil/Mud 100%	0.21

Gas Rates

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

DRILL STEM TEST REPORT

Anderson Exploration LLC

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

26/10S/25W/Graham

Knoll #26-1

Job Ticket: 61906 **DST#: 2**

Test Start: 2014.10.05 @ 18:51:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:36:00
Time Test Ended: 23:50:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: S1 Hays/108

Interval: 3856.00 ft (KB) To 3880.00 ft (KB) (TVD)
Total Depth: 3880.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Fair

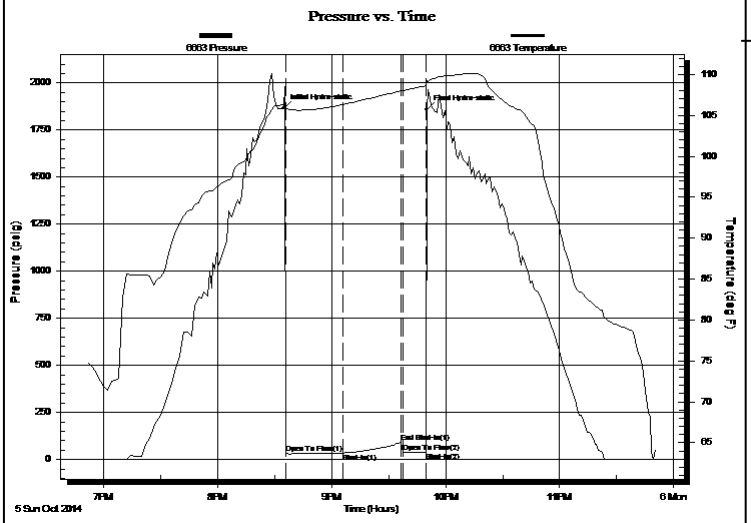
Reference Elevations: 2518.00 ft (KB)
2513.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6663 **Outside**

Press@RunDepth: 91.00 psig @ 3858.00 ft (KB)
Start Date: 2014.10.05 End Date: 2014.10.05
Start Time: 18:51:00 End Time: 23:51:00

Capacity: 5000.00 psig
Last Calib.: 2014.10.06
Time On Btm: 2014.10.05 @ 20:34:30
Time Off Btm: 2014.10.05 @ 21:50:00

TEST COMMENT:
1ST Open 30 Minutes/Weak blow /Blow built to 1/2 inch
1ST Shut In 30 Minutes/No blow back
2ND Open 13 Minutes/Dead no blow /Flush tool no help/Pull test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1864.23	106.27	Initial Hydro-static
2	30.53	105.79	Open To Flow (1)
32	34.22	106.34	Shut-In(1)
62	91.00	107.98	End Shut-In(1)
63	36.22	108.02	Open To Flow (2)
75	38.76	108.62	Shut-In(2)
76	1858.45	109.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud with show of oil/Mud 100%	0.21

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Anderson Exploration LLC

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

26/10S/25W/Graham

Knoll #26-1

Job Ticket: 61906 **DST#: 2**

Test Start: 2014.10.05 @ 18:51:00

Tool Information

Drill Pipe:	Length:	3860.00 ft	Diameter:	3.80 inches	Volume:	54.15 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
					Total Volume:	54.15 bbl	

Drill Pipe Above KB:	31.00 ft
Depth to Top Packer:	3856.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	5.00 ft
Tool Length:	32.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		32000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	30000.00 lb
	Final	30000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			3834.00		
Hydraulic tool	5.00			3839.00		
Jars	5.00			3844.00		
Safety Joint	2.00			3846.00		
Top Packer	5.00			3851.00		
Packer	5.00			3856.00	27.00	Bottom Of Top Packer
Anchor	0.00			3856.00		
Recorder	1.00	6749	Inside	3857.00		
Recorder	1.00	6663	Outside	3858.00		
Bullnose	3.00			3861.00	5.00	Anchor Tool
Total Tool Length:	**32.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Anderson Exploration LLC

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

26/10S/25W/Graham

Knoll #26-1

Job Ticket: 61906 **DST#: 2**

Test Start: 2014.10.05 @ 18:51:00

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:	7.60 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	900.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud w ith show of oil/Mud 100%	0.210

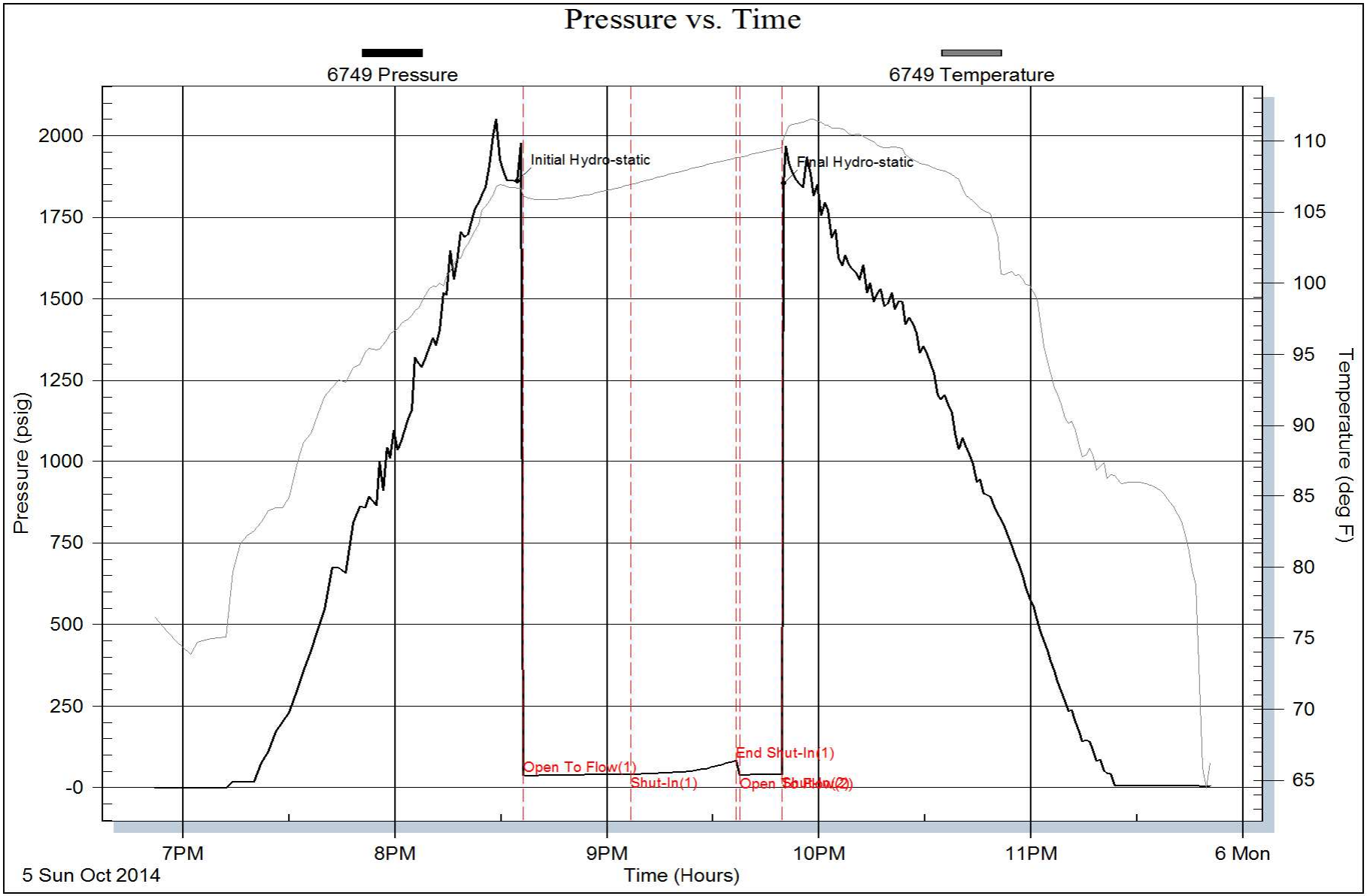
Total Length: 15.00 ft Total Volume: 0.210 bbl

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

Laboratory Name: Laboratory Location:

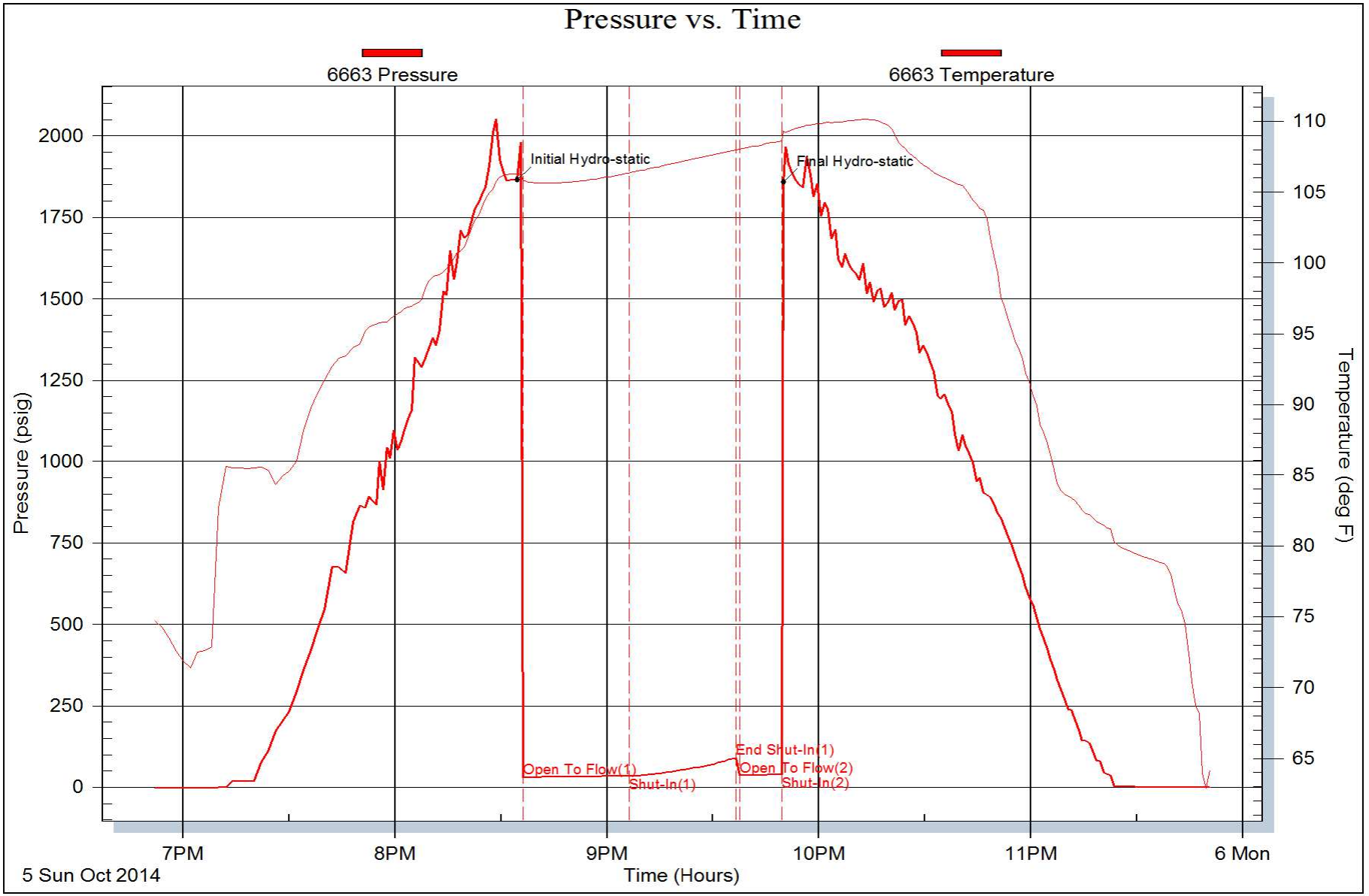
Recovery Comments:

Serial #: 6749 **Inside** Anderson Exploration LLC Knoll #26-1 DST Test Number: 2

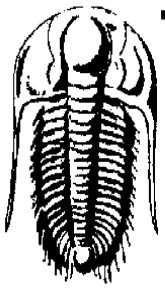


Trilobite Testing, Inc Ref. No: 61906 Printed: 2014.10.06 @ 00:03:05

Serial #: 6663 **Outside** Anderson Exploration LLC Knoll #26-1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 61906 Printed: 2014.10.06 @ 00:03:05



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Anderson Exploration LLC**

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

Knoll #26-1

26/10S/25W/Graham

Start Date: 2014.10.06 @ 18:39:00

End Date: 2014.10.07 @ 01:15:00

Job Ticket #: 61908 DST #: 4

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2014.10.07 @ 01:36:03

DRILL STEM TEST REPORT

Anderson Exploration LLC

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

26/10S/25W/Graham

Knoll #26-1

Job Ticket: 61908 **DST#: 4**

Test Start: 2014.10.06 @ 18:39:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:07:30
Time Test Ended: 01:15:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: S1 Hays/108

Interval: 3902.00 ft (KB) To 3936.00 ft (KB) (TVD)
Total Depth: 3936.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Poor

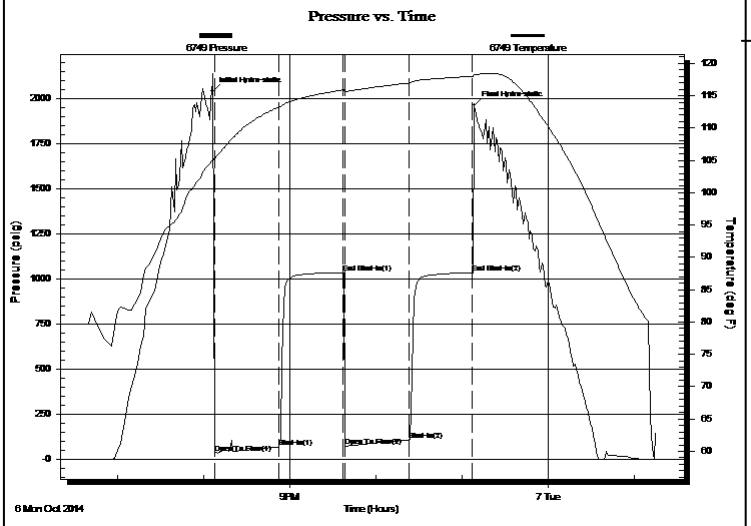
Reference Elevations: 2518.00 ft (KB)
2513.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6749 **Inside**

Press@RunDepth: 109.77 psig @ 3932.00 ft (KB)
Start Date: 2014.10.06 End Date: 2014.10.07
Start Time: 18:39:00 End Time: 01:15:00

Capacity: 5000.00 psig
Last Calib.: 2014.10.07
Time On Btm: 2014.10.06 @ 20:06:00
Time Off Btm: 2014.10.06 @ 23:08:30

TEST COMMENT:
1ST Open 45 Minutes/Fair blow /Blow built to 7 1/2 inches
1ST Shut In 45 Minutes/No blow back
2ND Open 45 Minues/Weak blow /Blow bult to 4 1/2 inches
2ND Shut In 45 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2042.15	105.12	Initial Hydro-static
2	35.34	104.93	Open To Flow (1)
47	70.86	113.21	Shut-In(1)
91	1037.31	115.91	End Shut-In(1)
92	75.94	115.67	Open To Flow (2)
137	109.77	116.95	Shut-In(2)
181	1036.05	118.02	End Shut-In(2)
183	1964.10	118.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
169.00	Muddy Water/Mud 40% Water 60%	2.37

Gas Rates

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

DRILL STEM TEST REPORT

Anderson Exploration LLC

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

26/10S/25W/Graham

Knoll #26-1

Job Ticket: 61908 **DST#: 4**

Test Start: 2014.10.06 @ 18:39:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:07:30
Time Test Ended: 01:15:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: S1 Hays/108

Interval: 3902.00 ft (KB) To 3936.00 ft (KB) (TVD)
Total Depth: 3936.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Poor

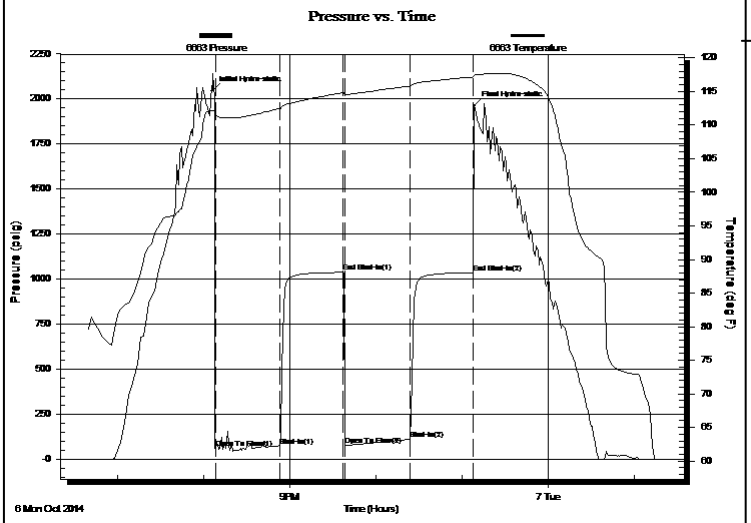
Reference Elevations: 2518.00 ft (KB)
2513.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6663 **Outside**

Press@RunDepth: 1037.26 psig @ 3933.00 ft (KB)
Start Date: 2014.10.06 End Date: 2014.10.07
Start Time: 18:39:00 End Time: 01:15:00

Capacity: 5000.00 psig
Last Calib.: 2014.10.07
Time On Btm: 2014.10.06 @ 20:06:00
Time Off Btm: 2014.10.06 @ 23:08:30

TEST COMMENT:
1ST Open 45 Minutes/Fair blow /Blow built to 7 1/2 inches
1ST Shut In 45 Minutes/No blow back
2ND Open 45 Minues/Weak blow /Blow bult to 4 1/2 inches
2ND Shut In 45 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2047.16	112.15	Initial Hydro-static
2	63.21	111.45	Open To Flow (1)
47	76.47	112.48	Shut-In(1)
91	1038.69	114.83	End Shut-In(1)
93	77.81	114.58	Open To Flow (2)
138	112.05	115.79	Shut-In(2)
182	1037.26	117.17	End Shut-In(2)
183	1962.78	117.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
169.00	Muddy Water/Mud 40% Water 60%	2.37

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Anderson Exploration LLC

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

26/10S/25W/Graham

Knoll #26-1

Job Ticket: 61908 **DST#: 4**

Test Start: 2014.10.06 @ 18:39:00

Tool Information

Drill Pipe:	Length:	3894.00 ft	Diameter:	3.80	inches	Volume:	54.62	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
						Total Volume:	54.62	bbl	

Drill Pipe Above KB:	19.00 ft
Depth to Top Packer:	3902.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	34.00 ft
Tool Length:	61.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		36000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	28000.00 lb
	Final	34000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			3880.00		
Hydraulic tool	5.00			3885.00		
Jars	5.00			3890.00		
Safety Joint	2.00			3892.00		
Top Packer	5.00			3897.00		
Packer	5.00			3902.00	27.00	Bottom Of Top Packer
Anchor	29.00			3931.00		
Recorder	1.00	6749	Inside	3932.00		
Recorder	1.00	6663	Outside	3933.00		
Bullnose	3.00			3936.00	34.00	Anchor Tool
Total Tool Length:	**61.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Anderson Exploration LLC

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

26/10S/25W/Graham

Knoll #26-1

Job Ticket: 61908 **DST#: 4**

Test Start: 2014.10.06 @ 18:39:00

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:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.80 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	900.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
169.00	Muddy Water/Mud 40% Water 60%	2.371

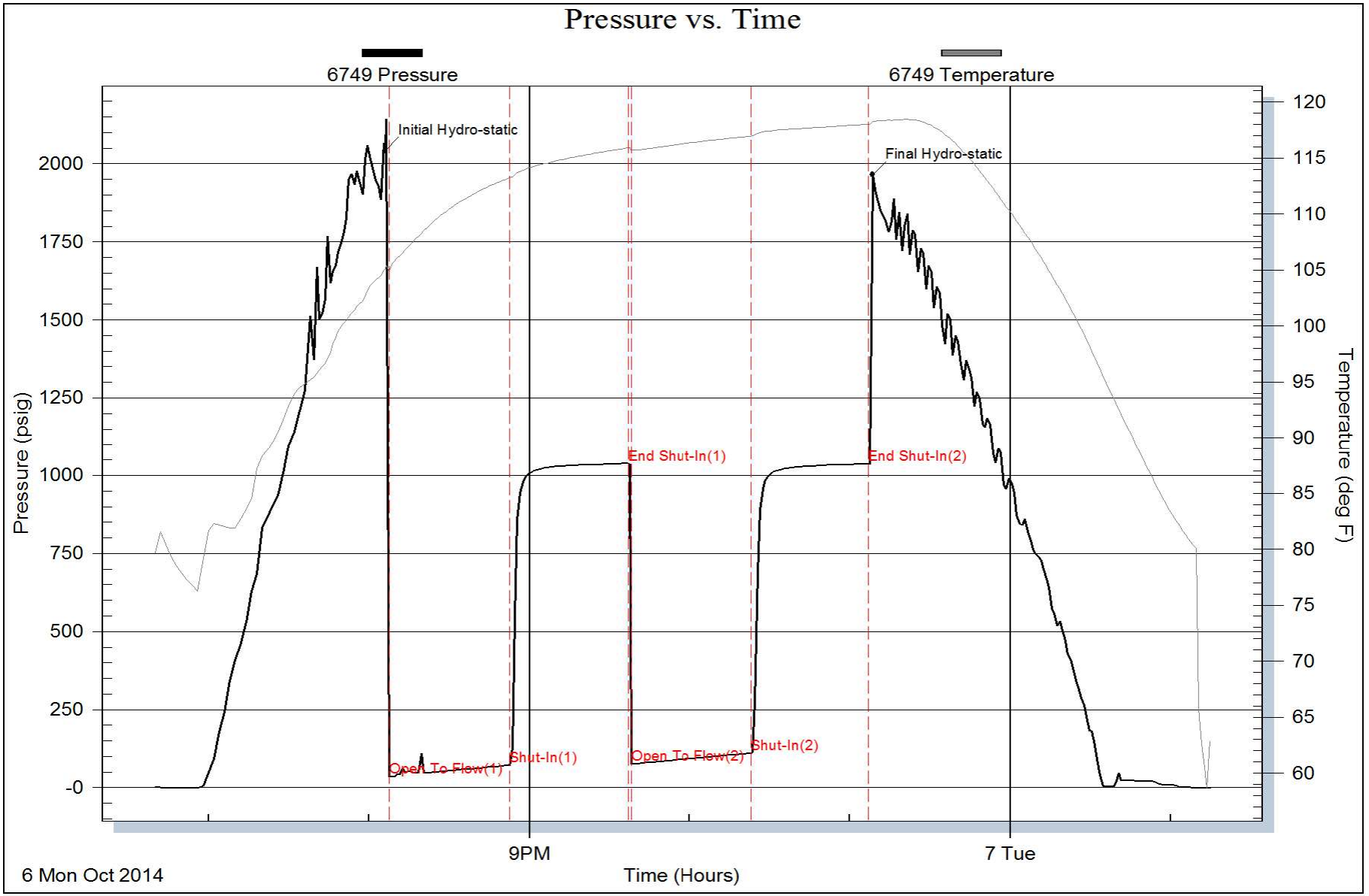
Total Length: 169.00 ft Total Volume: 2.371 bbl

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

Laboratory Name: Laboratory Location:

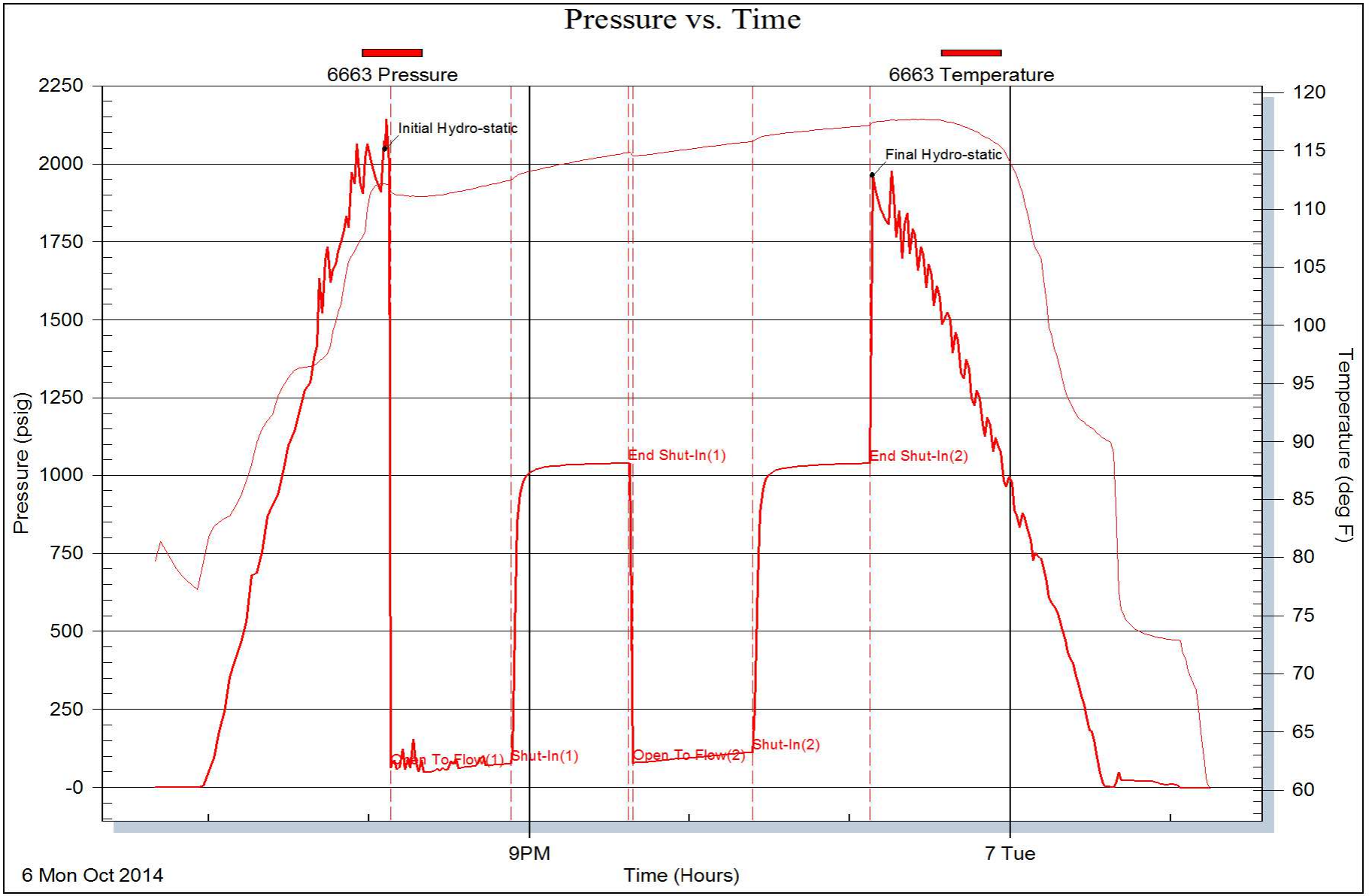
Recovery Comments: Recovery Chlorides 58,000 ppm

Serial #: 6749 **Inside** Anderson Exploration LLC Knoll #26-1 DST Test Number: 4

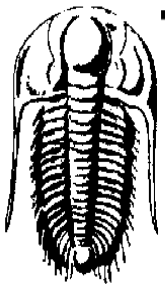


Trilobite Testing, Inc Ref. No: 61908 Printed: 2014.10.07 @ 01:36:03

Serial #: 6663 **Outside** Anderson Exploration LLC Knoll #26-1 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 61908 Printed: 2014.10.07 @ 01:36:03



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Anderson Exploration LLC**

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

Knoll #26-1

26/10S/25W/Graham

Start Date: 2014.10.07 @ 19:33:00

End Date: 2014.10.08 @ 00:33:00

Job Ticket #: 61909 DST #: 5

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2014.10.08 @ 00:43:32

DRILL STEM TEST REPORT

Anderson Exploration LLC

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

26/10S/25W/Graham

Knoll #26-1

Job Ticket: 61909 **DST#: 5**

Test Start: 2014.10.07 @ 19:33:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:11:00
Time Test Ended: 00:33:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: S1 Hays/108

Interval: 4002.00 ft (KB) To 4036.00 ft (KB) (TVD)
Total Depth: 4036.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Poor

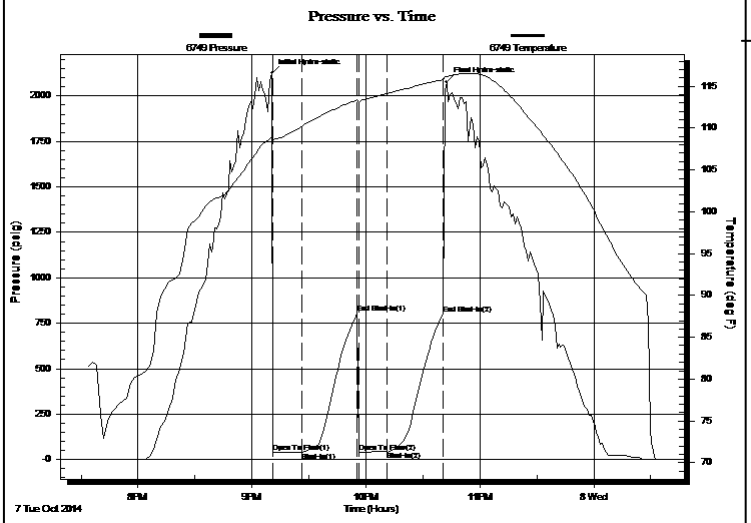
Reference Elevations: 2518.00 ft (KB)
2513.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6749 **Inside**

Press@RunDepth: 43.39 psig @ 4032.00 ft (KB)
Start Date: 2014.10.07 End Date: 2014.10.08
Start Time: 19:33:00 End Time: 00:33:00

Capacity: 5000.00 psig
Last Calib.: 2014.10.08
Time On Btm: 2014.10.07 @ 21:10:30
Time Off Btm: 2014.10.07 @ 22:42:30

TEST COMMENT: 1ST Open 15 Minutes/Weak blow/Blow built to 1 inch in 8 minutes then started to die
1ST Shut In 30 Mintues/No blow back
2ND Open 15 Minutes/Dead no blow/Flush tool no help
2ND Shut In 30 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2124.36	108.92	Initial Hydro-static
1	39.25	108.60	Open To Flow (1)
16	41.04	110.18	Shut-In(1)
45	805.22	113.37	End Shut-In(1)
46	39.32	113.10	Open To Flow (2)
61	43.39	114.11	Shut-In(2)
90	800.64	115.78	End Shut-In(2)
92	2076.63	116.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100%	0.21

Gas Rates

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

DRILL STEM TEST REPORT

Anderson Exploration LLC

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

26/10S/25W/Graham

Knoll #26-1

Job Ticket: 61909 **DST#: 5**

Test Start: 2014.10.07 @ 19:33:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:11:00
Time Test Ended: 00:33:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: S1 Hays/108

Interval: 4002.00 ft (KB) To 4036.00 ft (KB) (TVD)
Total Depth: 4036.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Poor

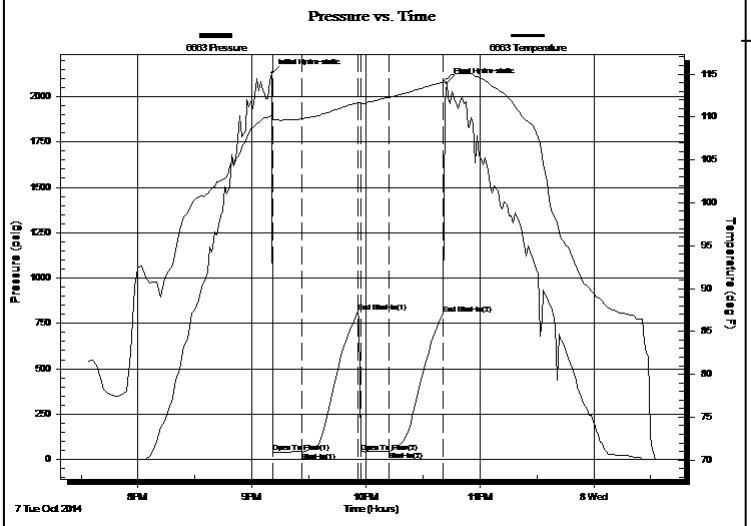
Reference Elevations: 2518.00 ft (KB)
2513.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6663 **Outside**

Press@RunDepth: 799.63 psig @ 4033.00 ft (KB)
Start Date: 2014.10.07 End Date: 2014.10.08
Start Time: 19:33:00 End Time: 00:33:00

Capacity: 5000.00 psig
Last Calib.: 2014.10.08
Time On Btm: 2014.10.07 @ 21:10:30
Time Off Btm: 2014.10.07 @ 22:42:30

TEST COMMENT: 1ST Open 15 Minutes/Weak blow /Blow built to 1 inch in 8 minutes then started to die
1ST Shut In 30 Mintues/No blow back
2ND Open 15 Minutes/Dead no blow /Flush tool no help
2ND Shut In 30 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2127.32	110.12	Initial Hydro-static
1	40.55	109.68	Open To Flow (1)
16	42.71	109.78	Shut-In(1)
46	814.95	111.71	End Shut-In(1)
47	42.97	111.53	Open To Flow (2)
62	45.31	112.29	Shut-In(2)
90	799.63	114.02	End Shut-In(2)
92	2076.41	114.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100%	0.21

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Anderson Exploration LLC

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

26/10S/25W/Graham

Knoll #26-1

Job Ticket: 61909 **DST#: 5**

Test Start: 2014.10.07 @ 19:33:00

Tool Information

Drill Pipe:	Length:	3983.00 ft	Diameter:	3.80	inches	Volume:	55.87	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
						Total Volume:	55.87	bbl	

Drill Pipe Above KB:	8.00 ft
Depth to Top Packer:	4002.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	34.00 ft
Tool Length:	61.00 ft
Number of Packers:	2
Diameter:	6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		70000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	44000.00 lb
	Final	30000.00 lb

Tool Comments: Ruined packer

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			3980.00		
Hydraulic tool	5.00			3985.00		
Jars	5.00			3990.00		
Safety Joint	2.00			3992.00		
Top Packer	5.00			3997.00		
Packer	5.00			4002.00	27.00	Bottom Of Top Packer
Anchor	29.00			4031.00		
Recorder	1.00	6749	Inside	4032.00		
Recorder	1.00	6663	Outside	4033.00		
Bullnose	3.00			4036.00	34.00	Anchor Tool
Total Tool Length:	**61.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Anderson Exploration LLC

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

26/10S/25W/Graham

Knoll #26-1

Job Ticket: 61909 **DST#: 5**

Test Start: 2014.10.07 @ 19:33:00

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:	60.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.40 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	900.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

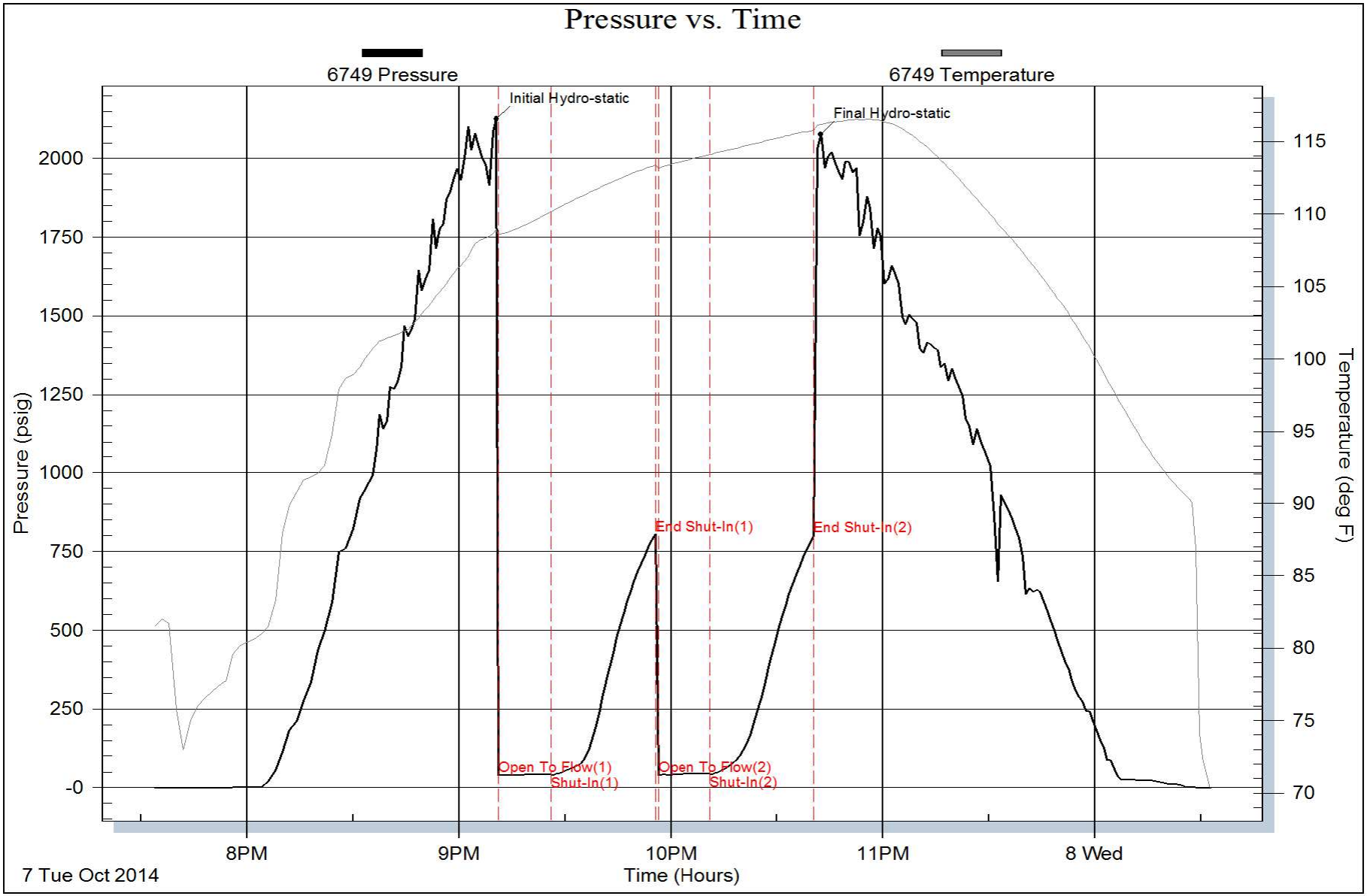
Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100%	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

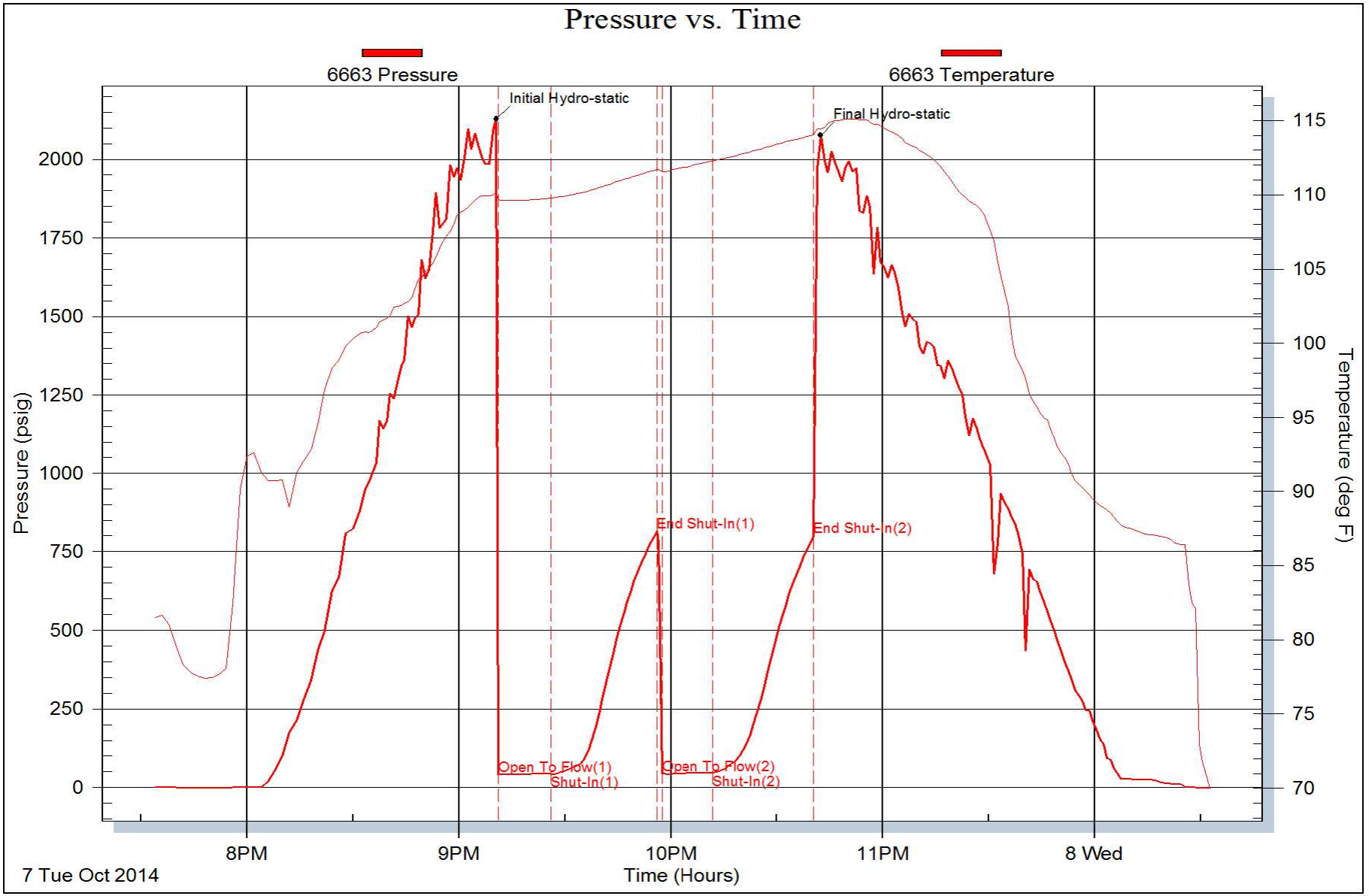
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6749 **Inside** Anderson Exploration LLC Knoll #26-1 DST Test Number: 5



Trilobite Testing, Inc Ref. No: 61909 Printed: 2014.10.08 @ 00:43:33

Serial #: 6663 **Outside** Anderson Exploration LLC Knoll #26-1 DST Test Number: 5



Trilobite Testing, Inc Ref. No: 61909 Printed: 2014.10.08 @ 00:43:33

DRILL STEM TEST REPORT

Prepared For: **Anderson Exploration LLC**

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

Knoll #26-1

26/10S/25W/Graham

Start Date: 2014.10.09 @ 17:46:00
End Date: 2014.10.10 @ 00:14:30
Job Ticket #: 61910 DST #: 6

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

Printed: 2014.10.10 @ 00:27:19

DRILL STEM TEST REPORT

Anderson Exploration LLC

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

26/10S/25W/Graham

Knoll #26-1

Job Ticket: 61910 **DST#: 6**

Test Start: 2014.10.09 @ 17:46:00

GENERAL INFORMATION:

Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:13:00
Time Test Ended: 00:14:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: S1 Hays/108

Interval: 4256.00 ft (KB) To 4290.00 ft (KB) (TVD)
Total Depth: 4290.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Poor

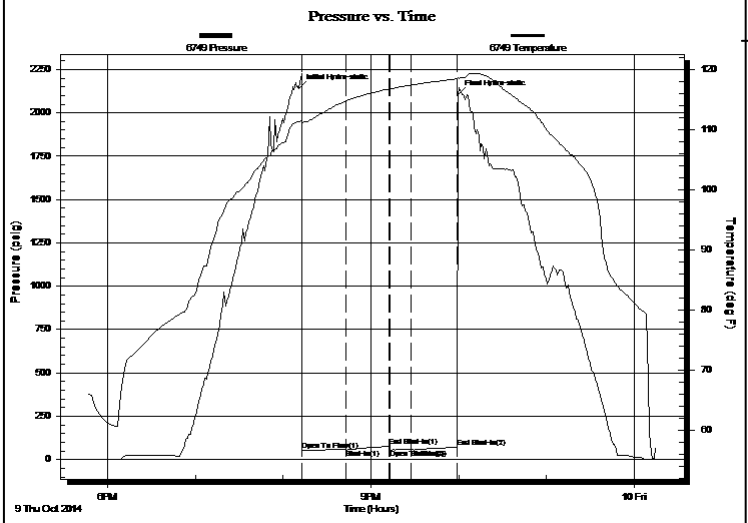
Reference Elevations: 2518.00 ft (KB)
2513.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6749 **Inside**

Press@RunDepth: 57.98 psig @ 4286.00 ft (KB)
Start Date: 2014.10.09 End Date: 2014.10.10
Start Time: 17:46:00 End Time: 00:14:30

Capacity: 5000.00 psig
Last Calib.: 2014.10.10
Time On Btm: 2014.10.09 @ 20:11:00
Time Off Btm: 2014.10.09 @ 21:59:30

TEST COMMENT:
1ST Open 30 Minutes/Weak blow /Blow built to 1/4 inch then died in 24 minutes
1ST Shut In 30 Minutes/No blow back
2ND Open 15 Minutes/Dead no blow /Flush tool no help
2ND Shut In 30 Minues/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2142.09	111.37	Initial Hydro-static
2	55.18	111.00	Open To Flow (1)
32	56.87	114.76	Shut-In(1)
62	76.05	116.77	End Shut-In(1)
62	56.75	116.79	Open To Flow (2)
77	57.98	117.41	Shut-In(2)
108	70.62	118.44	End Shut-In(2)
109	2106.57	118.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud 100%	0.70

Gas Rates

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

DRILL STEM TEST REPORT

Anderson Exploration LLC

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

26/10S/25W/Graham

Knoll #26-1

Job Ticket: 61910 **DST#: 6**

Test Start: 2014.10.09 @ 17:46:00

GENERAL INFORMATION:

Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:13:00
Time Test Ended: 00:14:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: S1 Hays/108

Interval: 4256.00 ft (KB) To 4290.00 ft (KB) (TVD)
Total Depth: 4290.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Poor

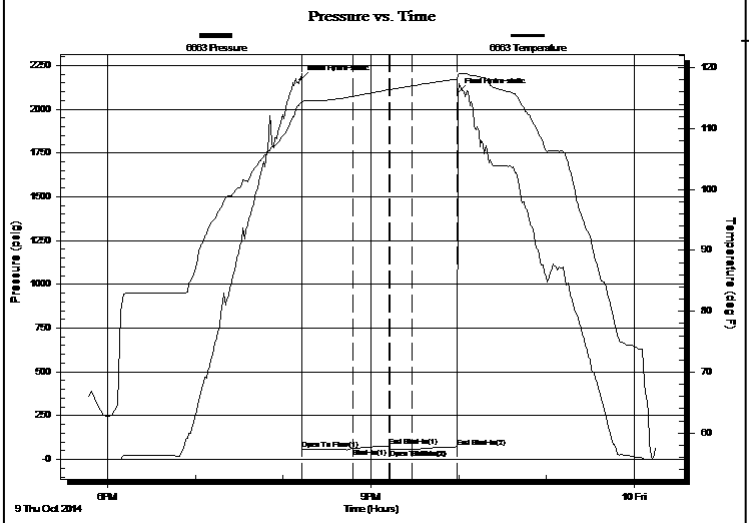
Reference Elevations: 2518.00 ft (KB)
2513.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6663 **Outside**

Press@RunDepth: 72.14 psig @ 4287.00 ft (KB)
Start Date: 2014.10.09 End Date: 2014.10.10
Start Time: 17:46:00 End Time: 00:14:30

Capacity: 5000.00 psig
Last Calib.: 2014.10.10
Time On Btm: 2014.10.09 @ 20:12:00
Time Off Btm: 2014.10.09 @ 21:59:30

TEST COMMENT:
1ST Open 30 Minutes/Weak blow /Blow built to 1/4 inch then died in 24 minutes
1ST Shut In 30 Minutes/No blow back
2ND Open 15 Minutes/Dead no blow /Flush tool no help
2ND Shut In 30 Minues/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2168.65	114.34	Initial Hydro-static
1	55.89	114.32	Open To Flow (1)
36	61.83	115.29	Shut-In(1)
61	77.38	116.40	End Shut-In(1)
61	57.58	116.42	Open To Flow (2)
76	59.19	117.02	Shut-In(2)
107	72.14	118.13	End Shut-In(2)
108	2094.54	118.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud 100%	0.70

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Anderson Exploration LLC

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

26/10S/25W/Graham

Knoll #26-1

Job Ticket: 61910 **DST#: 6**

Test Start: 2014.10.09 @ 17:46:00

Tool Information

Drill Pipe:	Length:	4236.00 ft	Diameter:	3.80	inches	Volume:	59.42	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
						Total Volume:	59.42	bbl	

Drill Pipe Above KB:	7.00 ft
Depth to Top Packer:	4256.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	34.00 ft
Tool Length:	61.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		44000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	30000.00 lb
	Final	38000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			4234.00		
Hydraulic tool	5.00			4239.00		
Jars	5.00			4244.00		
Safety Joint	2.00			4246.00		
Top Packer	5.00			4251.00		
Packer	5.00			4256.00	27.00	Bottom Of Top Packer
Anchor	29.00			4285.00		
Recorder	1.00	6749	Inside	4286.00		
Recorder	1.00	6663	Outside	4287.00		
Bullnose	3.00			4290.00	34.00	Anchor Tool
Total Tool Length:	**61.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Anderson Exploration LLC

168 South Lark Lane
Wichita, Kansas
67209

ATTN: Dean Anderson

26/10S/25W/Graham

Knoll #26-1

Job Ticket: 61910 **DST#: 6**

Test Start: 2014.10.09 @ 17:46:00

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:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.00 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2300.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Mud 100%	0.701

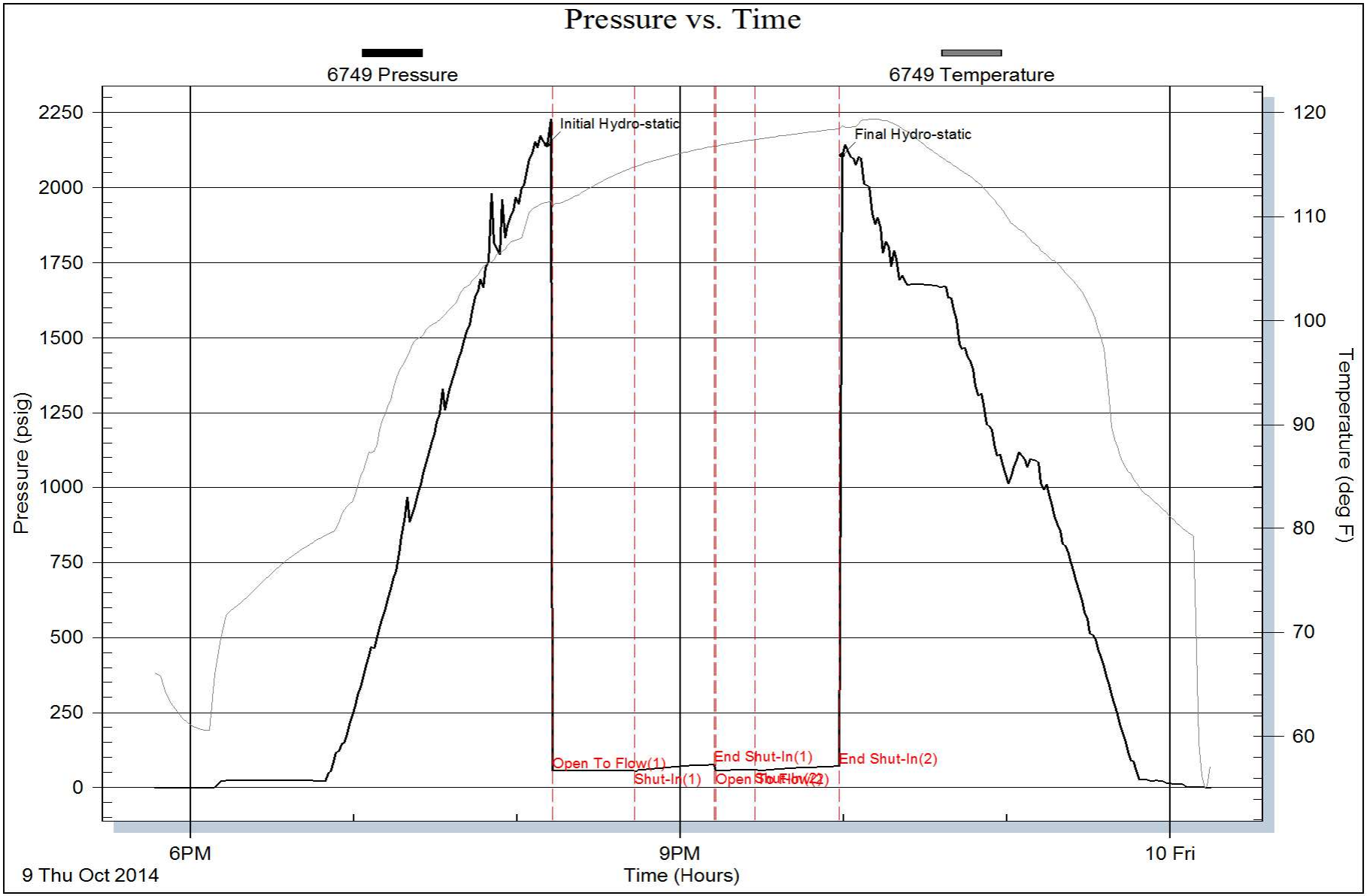
Total Length: 50.00 ft Total Volume: 0.701 bbl

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

Laboratory Name: Laboratory Location:

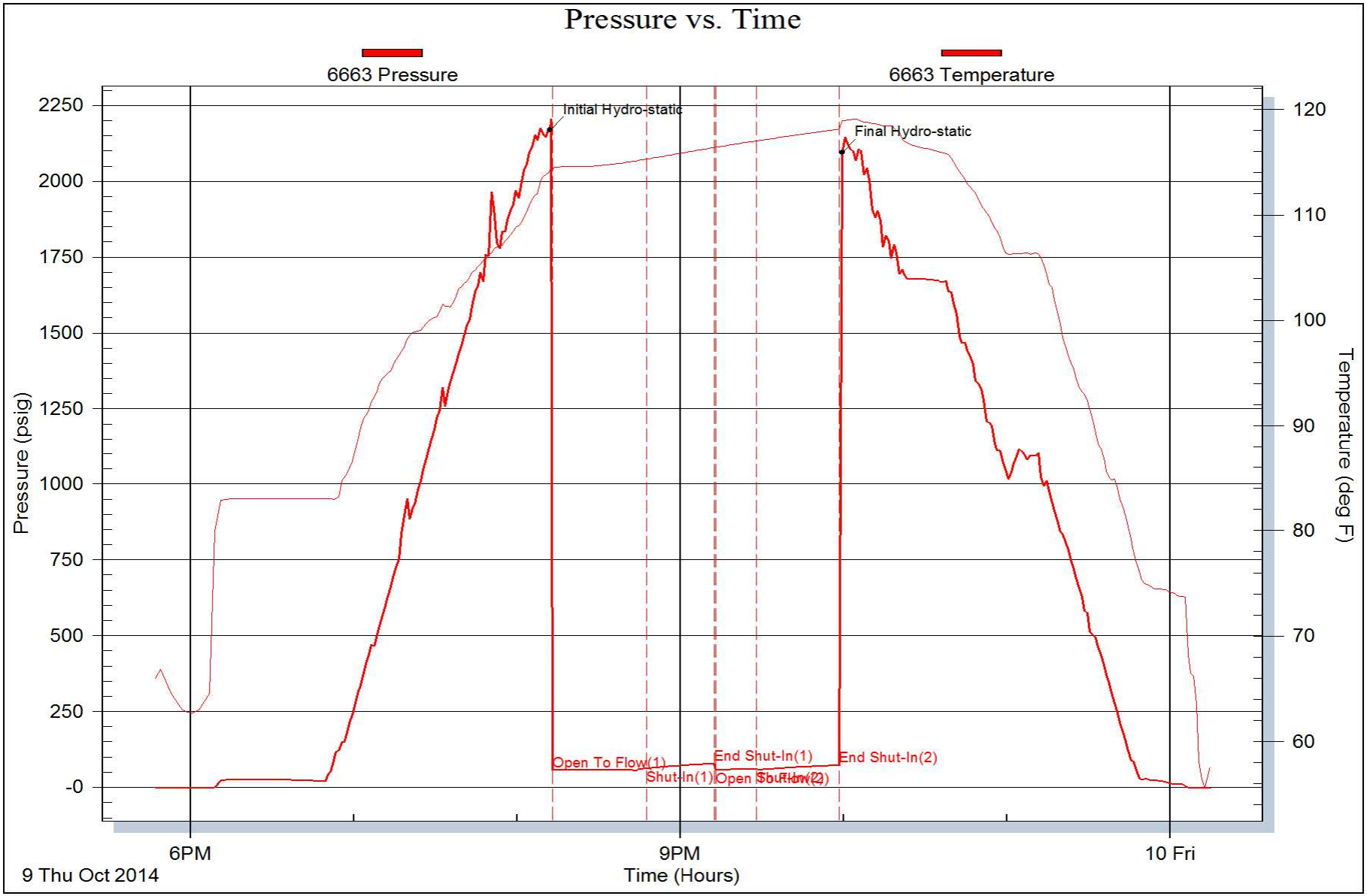
Recovery Comments:

Serial #: 6749 **Inside** Anderson Exploration LLC Knoll #26-1 DST Test Number: 6



Trilobite Testing, Inc Ref. No: 61910 Printed: 2014.10.10 @ 00:27:20

Serial #: 6663 **Outside** Anderson Exploration LLC Knoll #26-1 DST Test Number: 6



Trilobite Testing, Inc Ref. No: 61910 Printed: 2014.10.10 @ 00:27:20