



DRILL STEM TEST REPORT

Prepared For: **FG Holl Company L.I.C**

9431 E Central ste 100
Wichita KS 67206+2563

ATTN: Ryan Greenbaum

Schmidt Trust A 1-11

11-20s-15w Barton,KS

Start Date: 2014.08.10 @ 06:30:00

End Date: 2014.08.10 @ 11:18:30

Job Ticket #: DST #: 1

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

Printed: 2014.08.22 @ 11:52:12



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: **DST#: 1**

Test Start: 2014.08.10 @ 06:30:00

GENERAL INFORMATION:

Formation: **Herrington**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:33:30

Time Test Ended: 11:18:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: S5

Interval: 1812.00 ft (KB) To 1910.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 1910.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8400 Inside

Press@RunDepth: 93.49 psig @ 1878.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.08.10

End Date:

2014.08.10

Last Calib.: 2014.08.10

Start Time: 06:31:00

End Time:

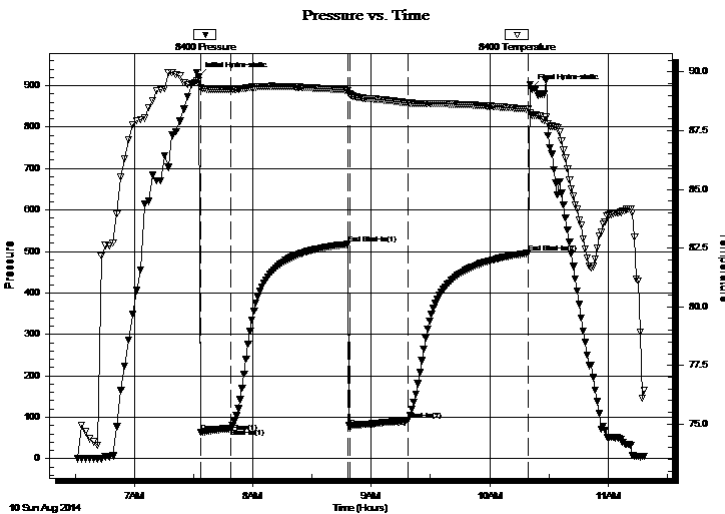
11:18:30

Time On Btm: 2014.08.10 @ 07:32:30

Time Off Btm: 2014.08.10 @ 10:21:00

TEST COMMENT: IFP 15 Minutes- Weak blow built 5"
ISI 60 Minutes- No blow back
FFP Minutes- Weak blow built 6"
FSI 60 Minutes- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	920.90	89.63	Initial Hydro-static
1	63.34	89.34	Open To Flow (1)
16	72.81	89.25	Shut-In(1)
76	517.61	89.21	End Shut-In(1)
77	76.80	89.06	Open To Flow (2)
106	93.49	88.68	Shut-In(2)
167	496.17	88.41	End Shut-In(2)
169	892.55	88.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	mud	1.12

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: **DST#: 1**

Test Start: 2014.08.10 @ 06:30:00

GENERAL INFORMATION:

Formation: **Herrington**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:33:30

Time Test Ended: 11:18:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: S5

Interval: 1812.00 ft (KB) To 1910.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 1910.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8525 Outside

Press@RunDepth: 502.24 psig @ 1879.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.08.10

End Date:

2014.08.10

Last Calib.: 2014.08.10

Start Time: 06:31:00

End Time:

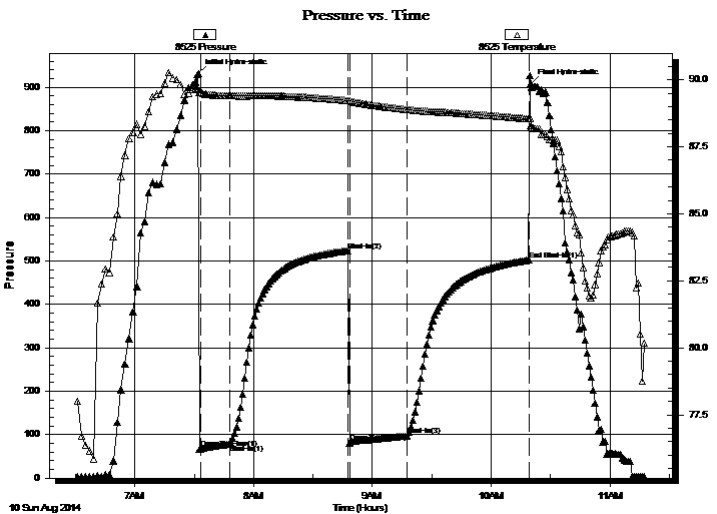
11:18:00

Time On Btm: 2014.08.10 @ 07:32:00

Time Off Btm: 2014.08.10 @ 10:20:00

TEST COMMENT: IFP 15 Minutes- Weak blow built 5"
ISI 60 Minutes- No blow back
FFP Minutes- Weak blow built 6"
FSI 60 Minutes- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	932.24	89.64	Initial Hydro-static
1	67.93	89.53	Open To Flow (1)
16	78.15	89.40	Shut-In(1)
76	523.71	89.23	Shut-In(2)
77	81.78	89.21	Open To Flow (2)
106	97.80	88.89	Shut-In(3)
167	502.24	88.54	End Shut-In(1)
168	909.07	88.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	mud	1.12

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: **DST#: 1**

Test Start: 2014.08.10 @ 06:30:00

Tool Information

Drill Pipe:	Length: 1808.00 ft	Diameter: 3.80 inches	Volume: 25.36 bbl	Tool Weight: 1000.00 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: 50000.00 lb
			<u>Total Volume: 25.36 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	1812.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	98.00 ft			
Tool Length:	126.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Shut In Tool	5.00			1789.00	
Hydraulic tool	5.00			1794.00	
Jars	6.00			1800.00	
Safety Joint	2.00			1802.00	
Packer	5.00			1807.00	28.00 Bottom Of Top Packer
Packer	5.00			1812.00	
Change Over Sub	0.75			1812.75	
Drill Pipe	63.50			1876.25	
Change Over Sub	0.75			1877.00	
Recorder	1.00	8400	Inside	1878.00	
Recorder	1.00	8525	Outside	1879.00	
Anchor	28.00			1907.00	
Bullnose	3.00			1910.00	98.00 Bottom Packers & Anchor

Total Tool Length: 126.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: **DST#: 1**

ATTN: Ryan Greenbaum

Test Start: 2014.08.10 @ 06:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 42.00 sec/qt

Cushion Volume: bbl

Water Loss: 12.69 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 35000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	mud	1.122

Total Length: 80.00 ft Total Volume: 1.122 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

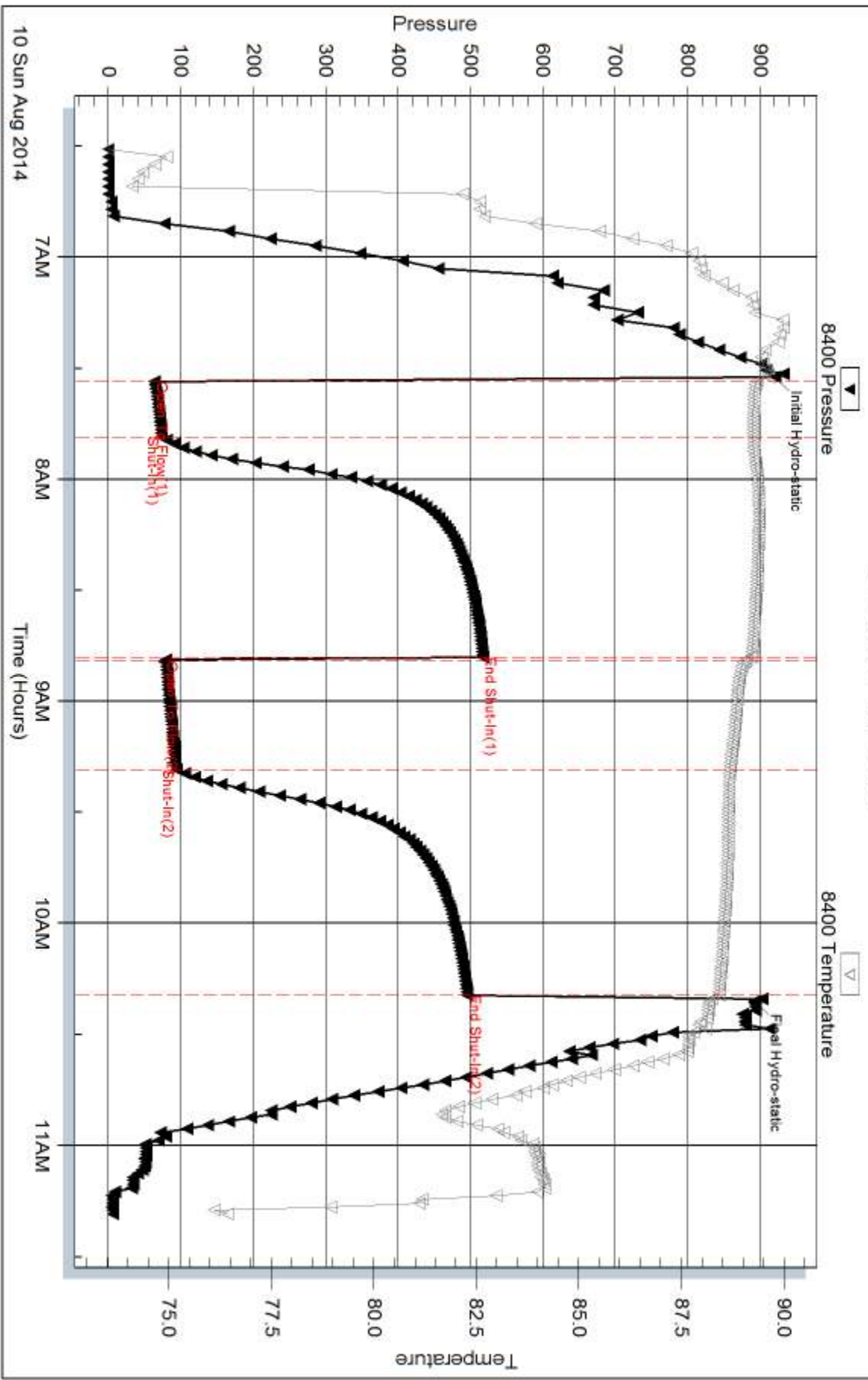
Serial #:

Laboratory Name:

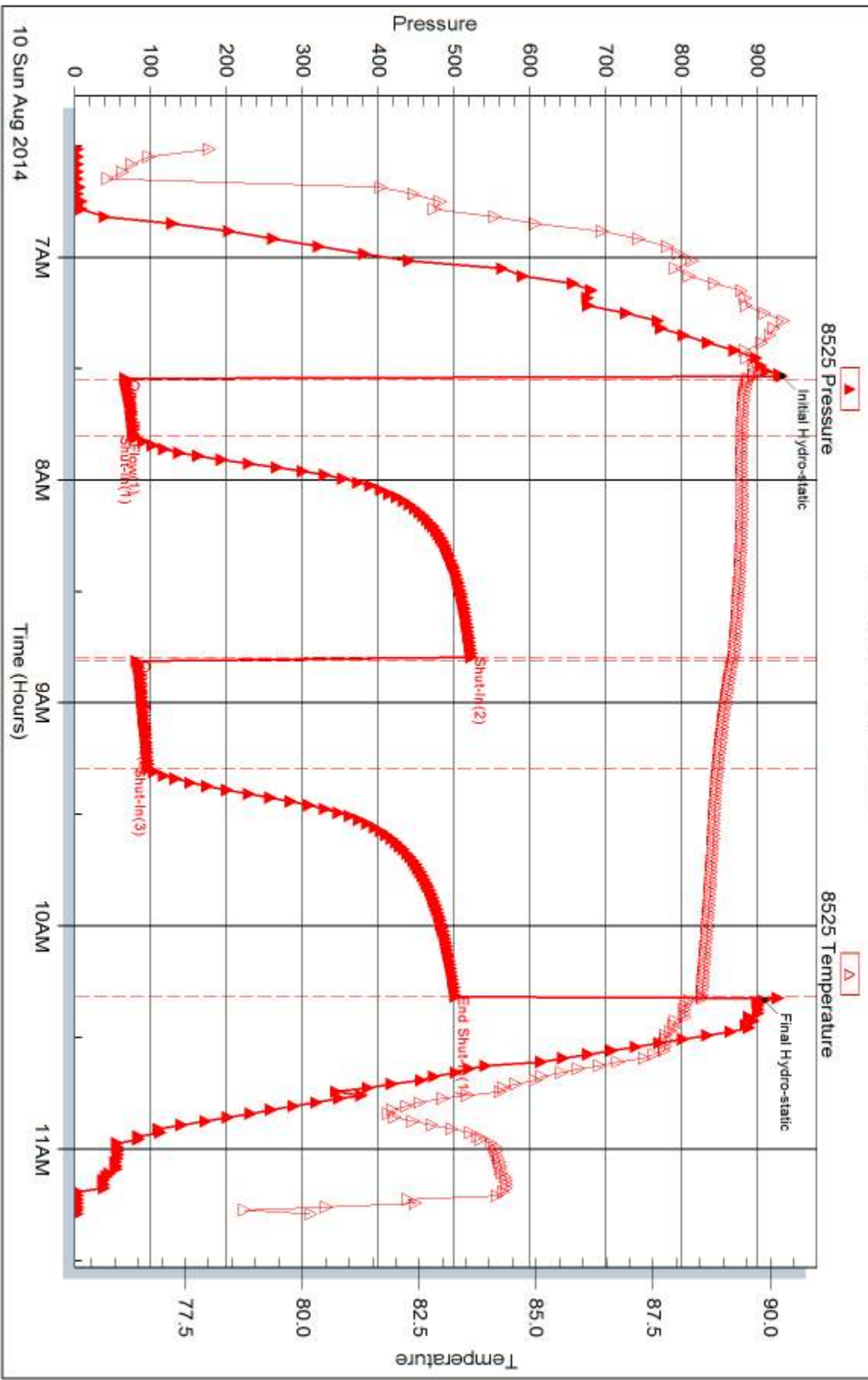
Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **FG Holl Company L.I.C**

9431 E Central ste 100
Wichita KS 67206+2563

ATTN: Ryan Greenbaum

Schmidt Trust A 1-11

11-20s-15w Barton,KS

Start Date: 2014.08.11 @ 04:20:00

End Date: 2014.08.11 @ 08:18:00

Job Ticket #: DST #: 2

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

Printed: 2014.08.22 @ 11:51:34



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: **DST#: 2**

Test Start: 2014.08.11 @ 04:20:00

GENERAL INFORMATION:

Formation: **Red Eagle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:32:30

Time Test Ended: 08:18:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4

Interval: 2430.00 ft (KB) To 2456.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 2456.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8938

Inside

Press@RunDepth: 33.37 psig @ 2452.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.08.11

End Date:

2014.08.11

Last Calib.:

2014.08.12

Start Time:

04:20:00

End Time:

08:18:00

Time On Btm:

2014.08.11 @ 05:32:00

Time Off Btm:

2014.08.11 @ 07:03:30

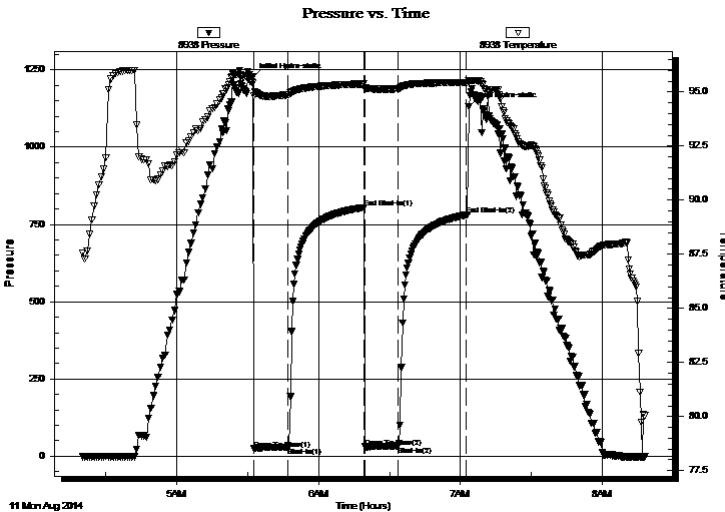
TEST COMMENT: IFP 15 Minutes Very weak surface blow for 8 minutes and died

ISI 30 Minutes-No blow back

FFP 15 Minutes-No blow

FSI 30 Minutes-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1226.48	95.41	Initial Hydro-static
1	24.04	94.81	Open To Flow (1)
15	29.88	94.87	Shut-In(1)
47	804.60	95.37	End Shut-In(1)
48	30.36	95.16	Open To Flow (2)
62	33.37	95.14	Shut-In(2)
91	781.27	95.42	End Shut-In(2)
92	1130.63	95.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drilling Mud	0.28

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: **DST#: 2**

Test Start: 2014.08.11 @ 04:20:00

GENERAL INFORMATION:

Formation: **Red Eagle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:32:30

Time Test Ended: 08:18:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4

Interval: **2430.00 ft (KB) To 2456.00 ft (KB) (TVD)**

Reference Elevations: 1967.00 ft (KB)

Total Depth: 2456.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6651 Outside

Press@RunDepth: 783.15 psig @ 2453.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.08.11

End Date:

2014.08.11

Last Calib.: 2014.08.12

Start Time: 04:19:00

End Time:

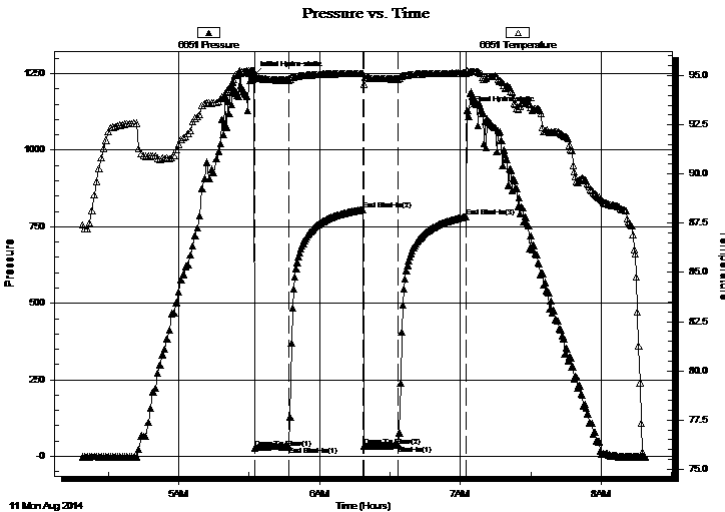
08:18:30

Time On Btm: 2014.08.11 @ 05:32:00

Time Off Btm: 2014.08.11 @ 07:03:00

TEST COMMENT: IFP 15 Minutes Very weak surface blow for 8 minutes and died
ISI 30 Minutes-No blow back
FFP 15 Minutes-No blow
FSI 30 Minutes-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1242.39	95.26	Initial Hydro-static
1	27.56	94.85	Open To Flow (1)
15	31.36	94.77	End Shut-In(1)
47	805.79	95.12	End Shut-In(2)
47	32.86	94.57	Open To Flow (2)
62	35.46	94.83	Shut-In(1)
91	783.15	95.12	End Shut-In(3)
91	1130.13	95.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drilling Mud	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: **DST#: 2**

Test Start: 2014.08.11 @ 04:20:00

Tool Information

Drill Pipe:	Length: 2435.00 ft	Diameter: 3.80 inches	Volume: 34.16 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 34.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	2430.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			2407.00	
Hydraulic Tool	5.00			2412.00	
Jars	6.00			2418.00	
Safety Joint	2.00			2420.00	
Top Packer	5.00			2425.00	
Packer	5.00			2430.00	28.00 Bottom Of Top Packer
Anchor	21.00			2451.00	
Recorder	1.00	8938	Inside	2452.00	
Recorder	1.00	6651	Outside	2453.00	
Bull Plug	3.00			2456.00	26.00 Anchor Tool
Total Tool Length:	54.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: **DST#: 2**

ATTN: Ryan Greenbaum

Test Start: 2014.08.11 @ 04:20:00

Mud and Cushion Information

Mud Type:		Cushion Type:		Oil API:	deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	35.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	16.67 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	35000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

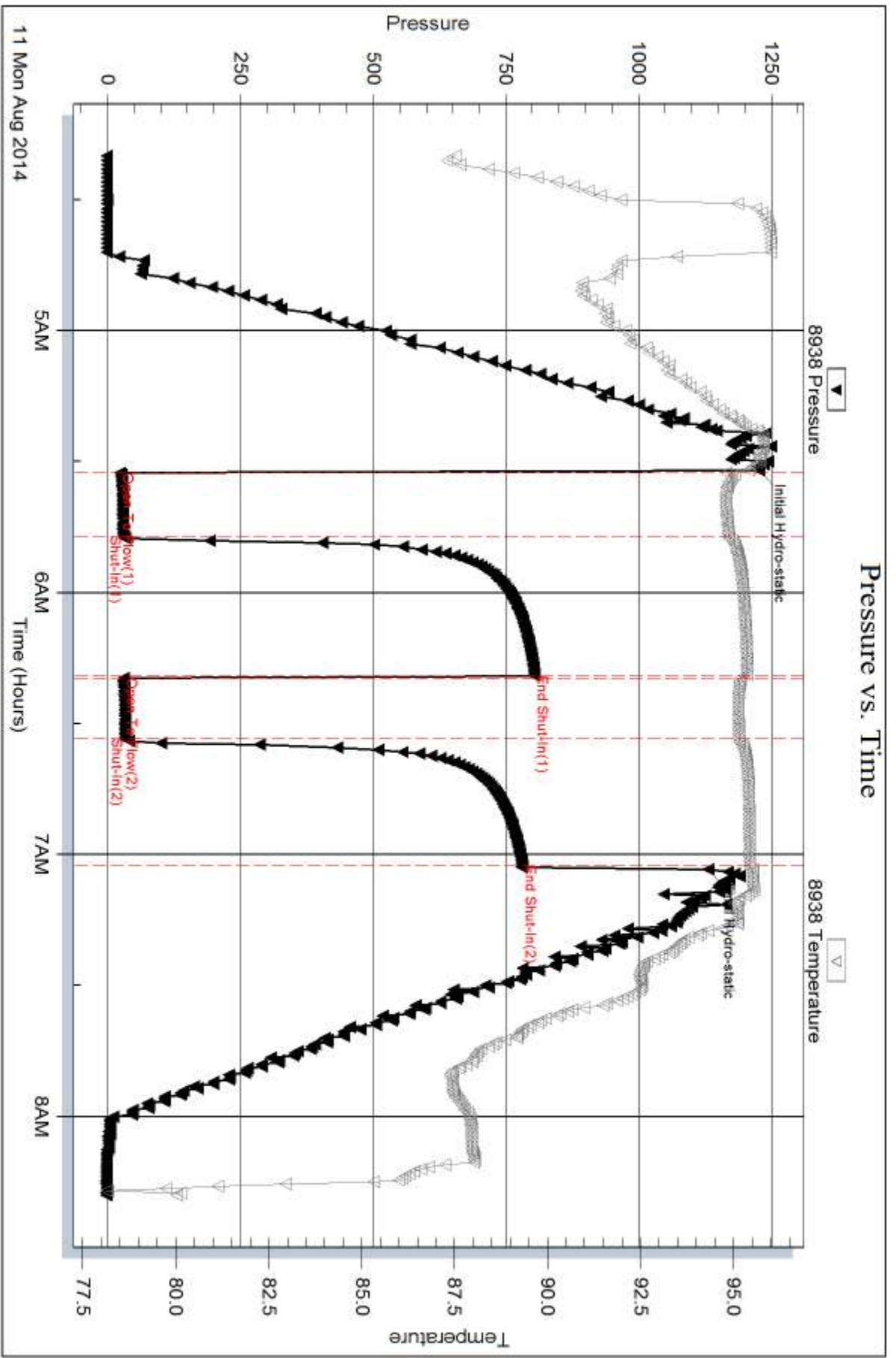
Length ft	Description	Volume bbl
20.00	Drilling Mud	0.281

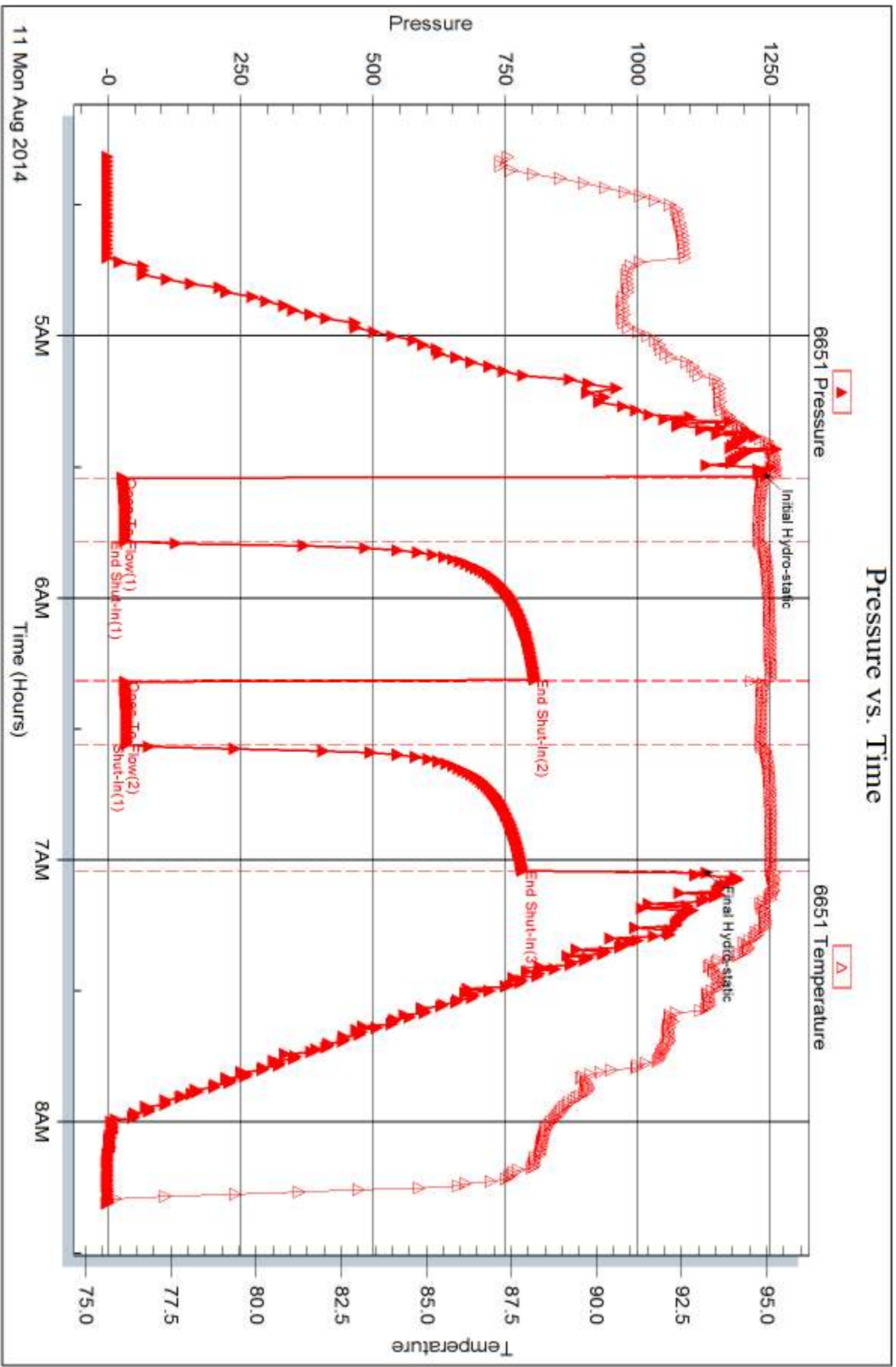
Total Length: 20.00 ft Total Volume: 0.281 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **FG Holl Company L.I.C**

9431 E Central ste 100
Wichita KS 67206+2563

ATTN: Ryan Greenbaum

Schmidt Trust A 1-11

11-20s-15w Barton,KS

Start Date: 2014.08.15 @ 00:00:00

End Date:

Job Ticket #: 60356

DST #: 3

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

Printed: 2014.08.22 @ 11:51:03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60356

DST#: 3

Test Start: 2014.08.15 @ 00:00:00

GENERAL INFORMATION:

Formation: **Gorham Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended:

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4 24 great bend

Interval: 3550.00 ft (KB) To 3640.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3640.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8938

Inside

Press@RunDepth: 1142.15 psig @ 3636.07 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.14

End Date:

2014.08.15

Last Calib.:

1899.12.30

Start Time:

22:06:00

End Time:

05:14:30

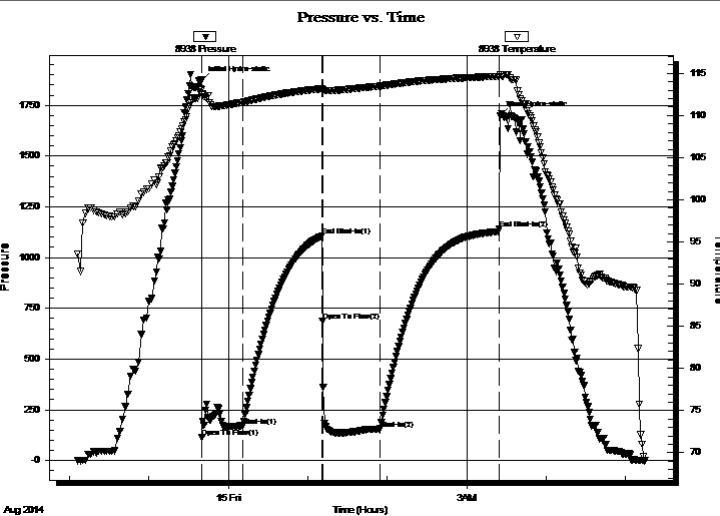
Time On Btm:

2014.08.14 @ 23:39:30

Time Off Btm:

2014.08.15 @ 03:25:30

TEST COMMENT: 1st Opening 30 Minutes-Good blow built to the bottom of a 5 gallon bucket in 2 minutes gas to surface in 18 min.
1st Shut-In 60 Minutes-Good blow back
2nd Opening 45 Minutes-Strong blow
2nd Shut-In 90 Minutes-Good Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1873.80	113.04	Initial Hydro-static
1	113.62	112.52	Open To Flow (1)
31	171.48	111.55	Shut-In(1)
91	1105.44	113.18	End Shut-In(1)
92	687.98	113.05	Open To Flow (2)
135	156.32	113.47	Shut-In(2)
225	1142.15	114.65	End Shut-In(2)
226	1697.84	114.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
275.00	Heavy Drilling Mud	3.86

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	2.00	110.63
Last Gas Rate	0.25	30.00	70.44
Max. Gas Rate	0.25	55.00	110.10



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60356

DST#: 3

Test Start: 2014.08.15 @ 00:00:00

GENERAL INFORMATION:

Formation: **Gorham Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended:

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4 24 great bend

Interval: 3550.00 ft (KB) To 3640.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3640.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6651 Outside

Press@RunDepth: 1128.13 psig @ 3637.07 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.14

End Date:

2014.08.15

Last Calib.:

2014.08.15

Start Time: 22:06:00

End Time:

05:15:00

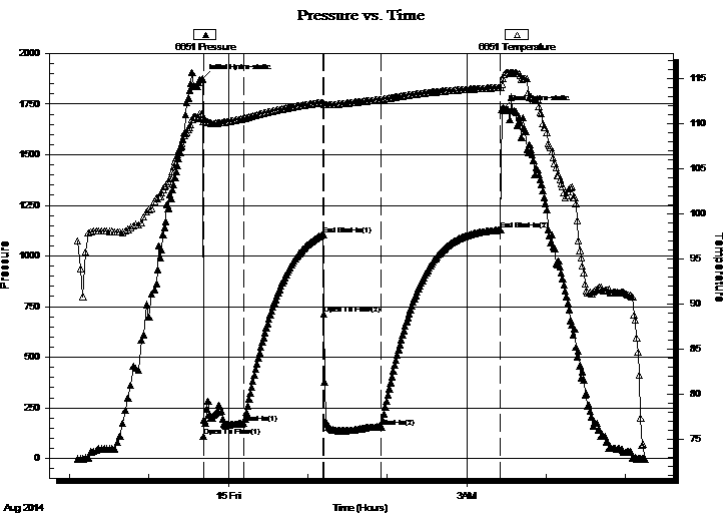
Time On Btm:

2014.08.14 @ 23:40:30

Time Off Btm:

2014.08.15 @ 03:26:30

TEST COMMENT: 1st Opening 30 Minutes-Good blow built to the bottom of a 5 gallon bucket in 2 minutes gas to surface in 18 min.
1st Shut-In 60 Minutes-Good blow back
2nd Opening 45 Minutes-Strong blow
2nd Shut-In 90 Minutes-Good Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1874.49	110.96	Initial Hydro-static
1	108.52	110.24	Open To Flow (1)
31	172.56	110.54	Shut-In(1)
91	1106.71	112.33	End Shut-In(1)
92	712.83	112.13	Open To Flow (2)
135	156.13	112.65	Shut-In(2)
225	1128.13	113.99	End Shut-In(2)
226	1725.18	114.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
275.00	Heavy Drilling Mud	3.86

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	2.00	110.63
Last Gas Rate	0.25	30.00	70.44
Max. Gas Rate	0.25	55.00	110.10



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60356

DST#: 3

ATTN: Ryan Greenbaum

Test Start: 2014.08.15 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3530.00 ft	Diameter: 3.80 inches	Volume: 49.52 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 82000.00 lb
			<u>Total Volume: 49.52 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	3550.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.07 ft			
Tool Length:	118.07 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3527.00	
Hydraulic Tool	5.00			3532.00	
Jars	6.00			3538.00	
Safety Joint	2.00			3540.00	
Top Packer	5.00			3545.00	
Packer	5.00			3550.00	28.00 Bottom Of Top Packer
Anchor	0.00			3550.00	
Change Over Sub	0.75			3550.75	
Drill Pipe	62.57			3613.32	
Change Over Sub	0.75			3614.07	
Anchor	21.00			3635.07	
Recorder	1.00	8938	Inside	3636.07	
Recorder	1.00	6651	Outside	3637.07	
Bull Plug	3.00			3640.07	90.07 Anchor Tool

Total Tool Length: 118.07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60356

DST#: 3

ATTN: Ryan Greenbaum

Test Start: 2014.08.15 @ 00:00:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 74.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
275.00	Heavy Drilling Mud	3.858

Total Length: 275.00 ft Total Volume: 3.858 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

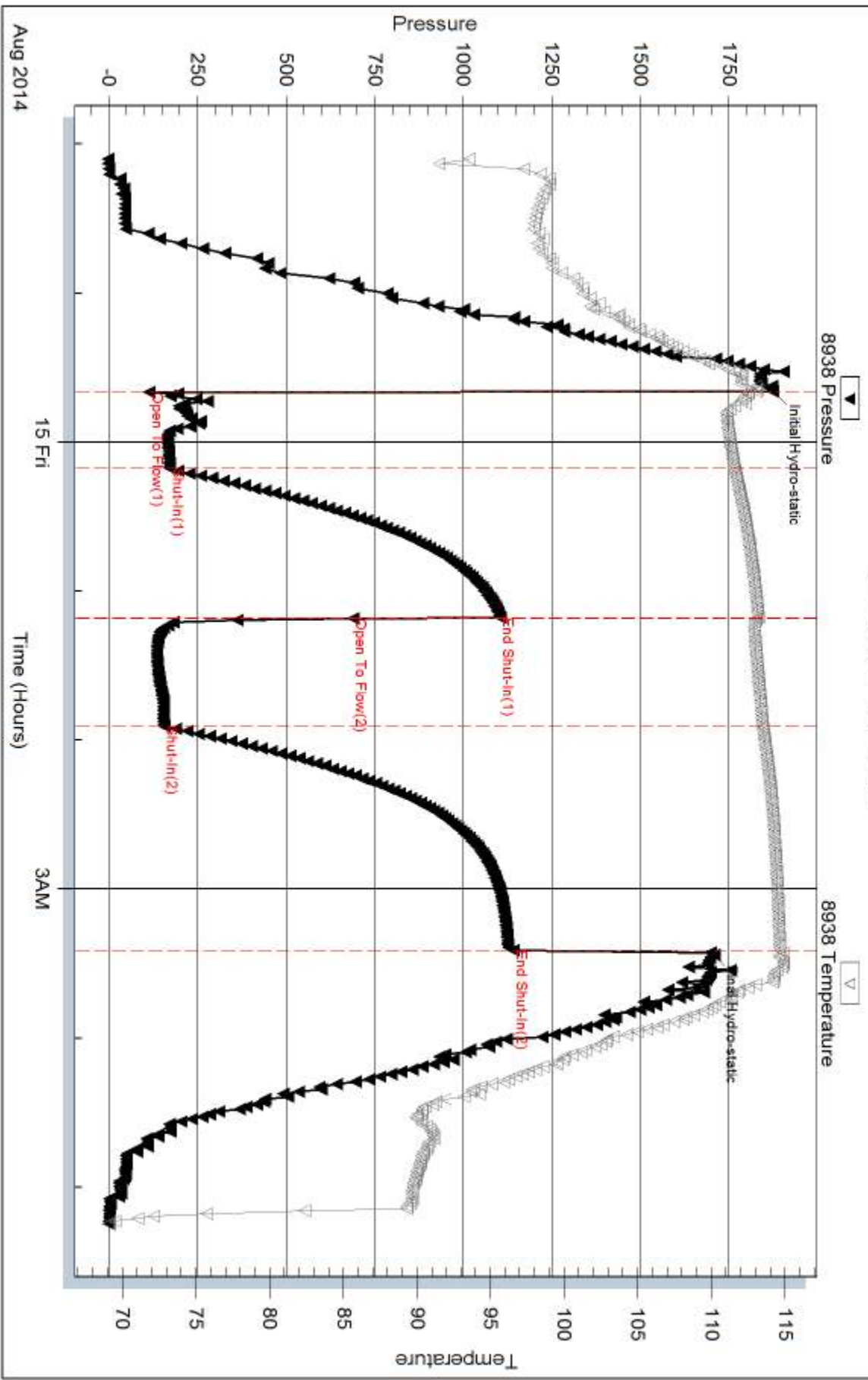
Serial #:

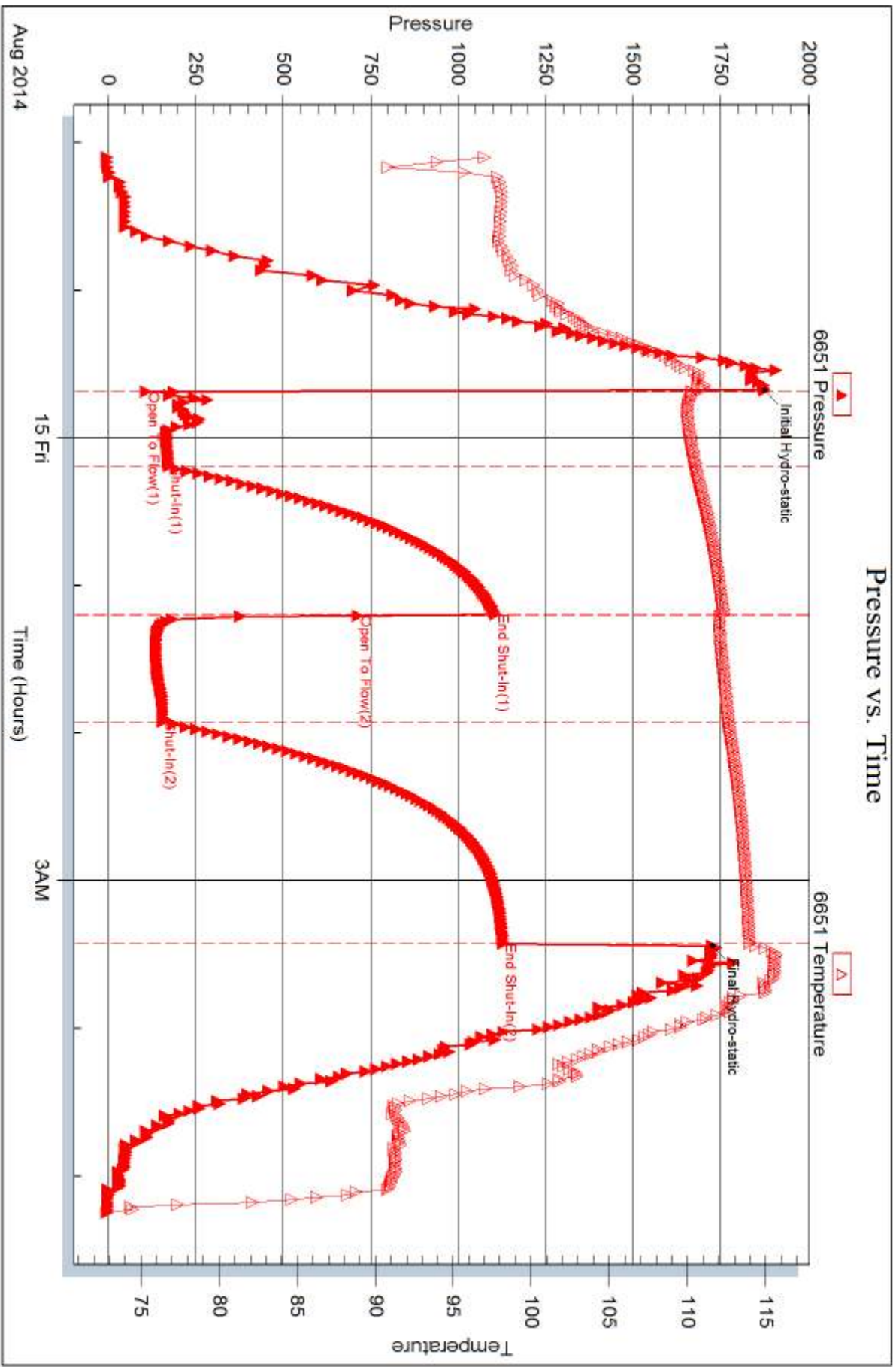
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **FG Holl Company L.I.C**

9431 E Central ste 100
Wichita KS 67206+2563

ATTN: Ryan Greenbaum

Schmidt Trust A 1-11

11-20s-15w Barton,KS

Start Date: 2014.08.15 @ 18:37:00

End Date: 2014.08.15 @ 23:23:00

Job Ticket #: 60357 DST #: 4

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

Printed: 2014.08.22 @ 11:50:36

FG Holl Company L.I.C

11-20s-15w Barton,KS

Schmidt Trust A 1-11

DST # 4

Arbuckle

2014.08.15



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60357

DST#: 4

Test Start: 2014.08.15 @ 18:37:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:12:00

Time Test Ended: 23:23:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4 25 Great Bend

Interval: 3680.00 ft (KB) To 3688.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3688.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875 Outside

Press@RunDepth: 27.40 psig @ 3685.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.16

End Date: 2014.08.16

Last Calib.: 2014.08.16

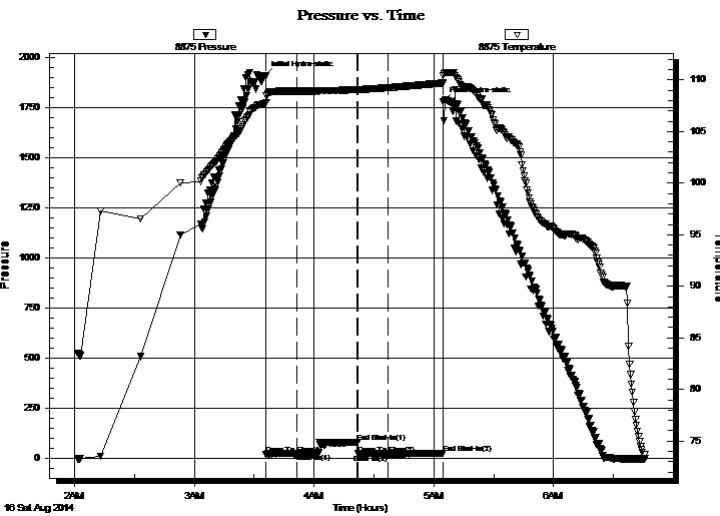
Start Time: 02:01:31

End Time: 06:45:55

Time On Btm: 2014.08.16 @ 03:35:26

Time Off Btm: 2014.08.16 @ 05:04:41

TEST COMMENT: 1st Opening 15 Minutes-Weak blow for 4 minutes and died
1st Shut-In 30 Minutes-No blow back
2nd Opening 15 Minutes-No blow
2nd Shut-In 30 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1909.67	107.68	Initial Hydro-static
1	23.43	107.82	Open To Flow (1)
16	24.99	108.90	Shut-In(1)
47	82.47	109.07	End Shut-In(1)
47	24.11	109.06	Open To Flow (2)
62	23.75	109.24	Shut-In(2)
89	27.40	109.70	End Shut-In(2)
90	1780.83	110.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling Mud	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60357

DST#: 4

Test Start: 2014.08.15 @ 18:37:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:12:00

Time Test Ended: 23:23:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4 25 Great Bend

Interval: 3680.00 ft (KB) To 3688.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3688.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8938

Inside

Press@RunDepth: 25.95 psig @ 3684.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.15 End Date: 2014.08.15

Last Calib.: 2014.08.16

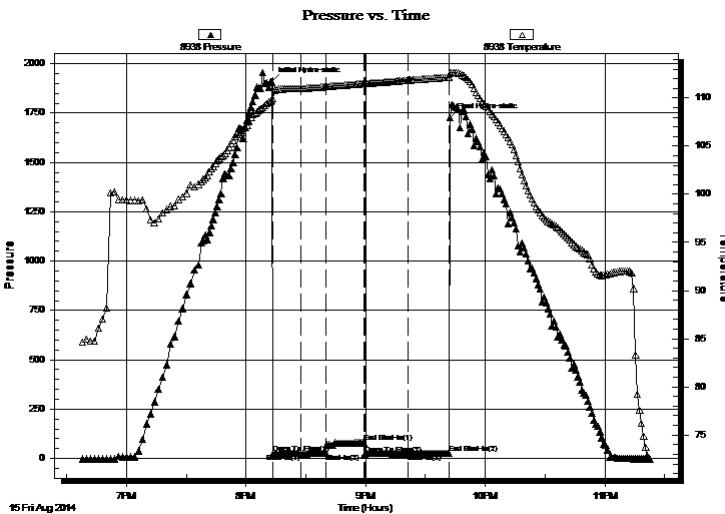
Start Time: 18:38:00 End Time: 23:23:00

Time On Btm: 2014.08.15 @ 20:13:00

Time Off Btm: 2014.08.15 @ 21:42:30

TEST COMMENT: 1st Opening 15 Minutes-Weak blow for 4 minutes and died
1st Shut-In 30 Minutes-No blow back
2nd Opening 15 Minutes-No blow
2nd Shut-In 30 Minutes-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1907.42	109.73	Initial Hydro-static
1	23.81	109.96	Open To Flow (1)
15	23.93	110.99	Shut-In(1)
27	27.91	111.17	Shut-In(2)
46	80.56	111.50	End Shut-In(1)
47	21.72	111.47	Open To Flow (2)
68	23.78	111.84	Shut-In(3)
89	25.95	112.17	End Shut-In(2)
90	1728.67	112.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling Mud	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60357

DST#: 4

ATTN: Ryan Greenbaum

Test Start: 2014.08.15 @ 18:37:00

Tool Information

Drill Pipe:	Length: 3655.00 ft	Diameter: 3.80 inches	Volume: 51.27 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:	2000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	67000.00 lb
			<u>Total Volume: 51.27 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	3680.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	8.00 ft				
Tool Length:	36.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

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

Shut-In Tool	5.00			3657.00	
Hydraulic Tool	5.00			3662.00	
Jars	6.00			3668.00	
Safety Joint	2.00			3670.00	
Top Packer	5.00			3675.00	
Packer	5.00			3680.00	28.00 Bottom Of Top Packer
Anchor	3.00			3683.00	
Recorder	1.00	8938	Inside	3684.00	
Recorder	1.00	8875	Outside	3685.00	
Bull Plug	3.00			3688.00	8.00 Anchor Tool
Total Tool Length:	36.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60357

DST#: 4

ATTN: Ryan Greenbaum

Test Start: 2014.08.15 @ 18:37:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Drilling Mud	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

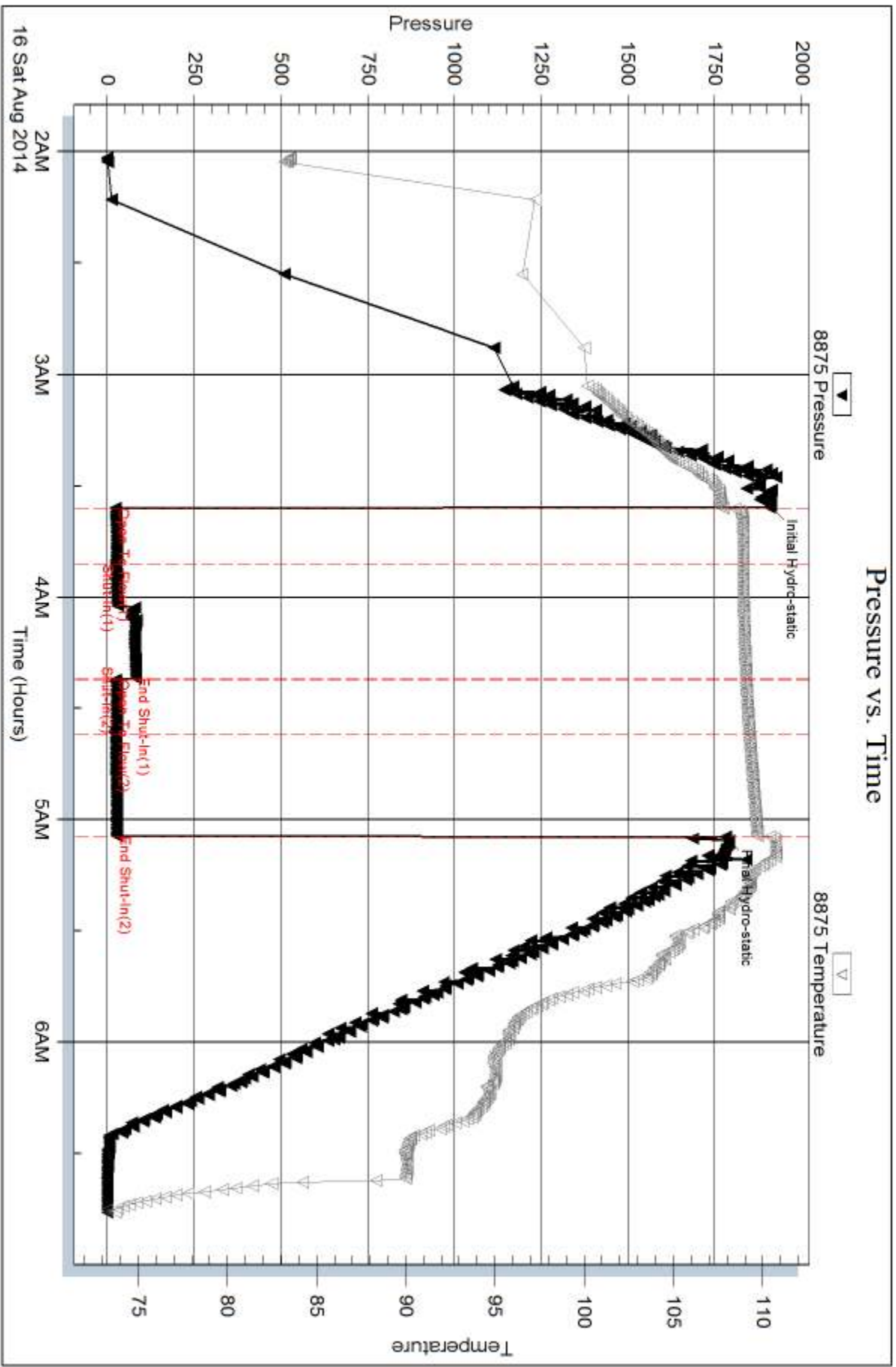
Num Gas Bombs: 0

Serial #:

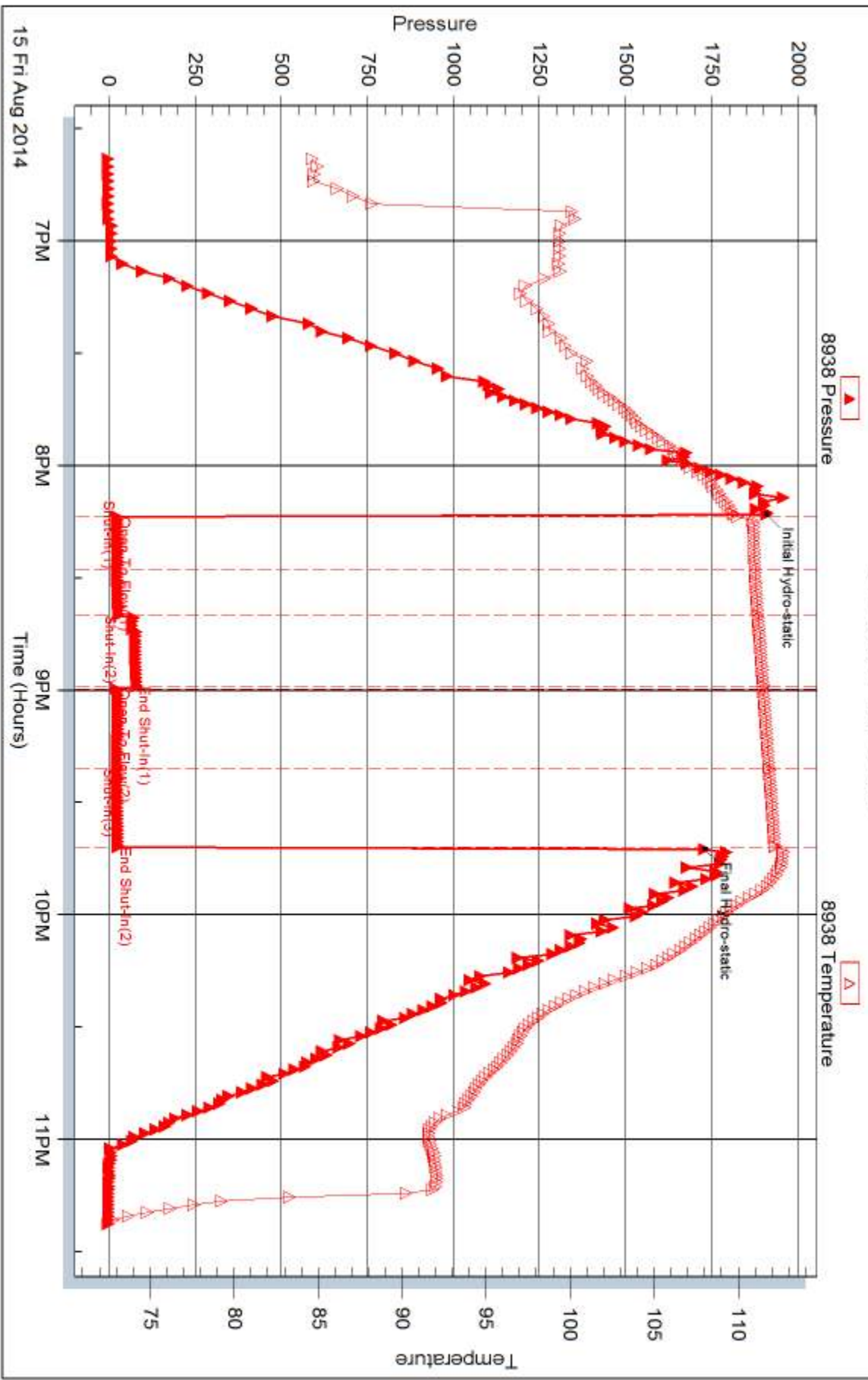
Laboratory Name:

Laboratory Location:

Recovery Comments:



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **FG Holl Company L.I.C**

9431 E Central ste 100
Wichita KS 67206+2563

ATTN: Ryan Greenbaum

Schmidt Trust A 1-11

11-20s-15w Barton,KS

Start Date: 2014.08.16 @ 07:40:00

End Date:

Job Ticket #: 60359

DST #: 5

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

Printed: 2014.08.22 @ 11:50:06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60359

DST#: 5

Test Start: 2014.08.16 @ 07:40:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:05:00

Time Test Ended:

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4-24 from great Ben

Interval: 3688.00 ft (KB) To 3698.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3698.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875 Outside

Press@RunDepth: 1010.76 psig @ 3695.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.16

End Date:

2014.08.16

Last Calib.:

2014.08.16

Start Time:

07:41:00

End Time:

12:04:30

Time On Btm:

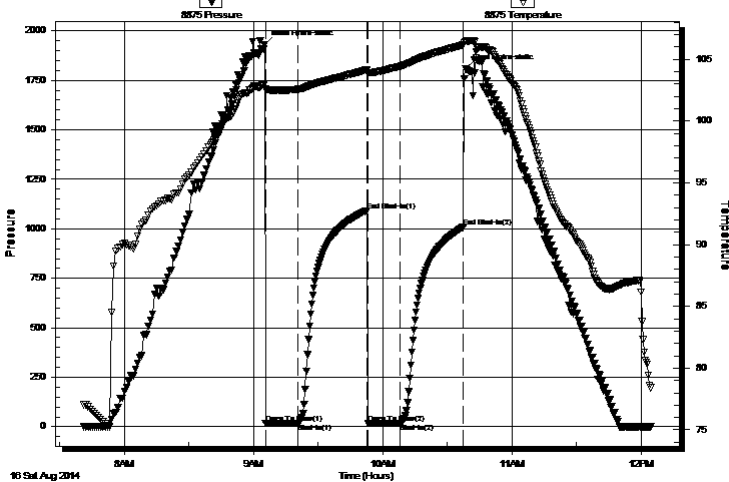
2014.08.16 @ 09:05:00

Time Off Btm:

2014.08.16 @ 10:38:30

TEST COMMENT: 1st Opening 15 Minutes-Very weak surface blow for 15 minutes and died
1st Shut-In 30 Minutes-No blow back
2nd Opening 15 Minutes-No blow
2nd Shutp-In 30 Minutes-No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1931.59	103.00	Initial Hydro-static
1	15.49	102.58	Open To Flow (1)
16	17.09	102.58	Shut-In(1)
48	1091.96	104.13	End Shut-In(1)
48	17.26	103.84	Open To Flow (2)
63	17.70	104.43	Shut-In(2)
93	1010.76	106.17	End Shut-In(2)
94	1807.98	106.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60359

DST#: 5

Test Start: 2014.08.16 @ 07:40:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:05:00

Time Test Ended:

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4-24 from great Ben

Interval: 3688.00 ft (KB) To 3698.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3698.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8938

Inside

Press@RunDepth: 1008.77 psig @ 3694.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.16

End Date:

2014.08.16

Last Calib.:

2014.08.16

Start Time:

07:41:00

End Time:

12:04:30

Time On Btm:

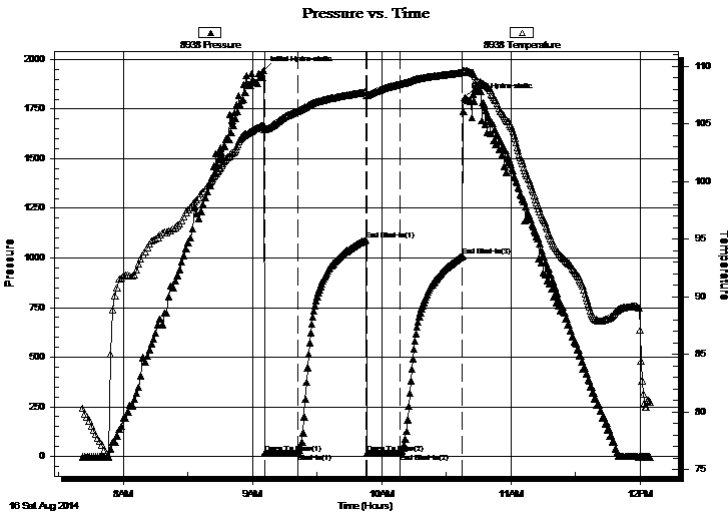
2014.08.16 @ 09:05:00

Time Off Btm:

2014.08.16 @ 10:38:30

TEST COMMENT: 1st Opening 15 Minutes-Very weak surface blow for 15 minutes and died
1st Shut-In 30 Minutes-No blow back
2nd Opening 15 Minutes-No blow
2nd Shutp-In 30 Minutes-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1944.67	104.92	Initial Hydro-static
1	14.97	104.48	Open To Flow (1)
16	17.02	106.10	Shut-In(1)
48	1089.82	107.74	End Shut-In(1)
48	16.17	107.46	Open To Flow (2)
64	17.02	108.43	End Shut-In(2)
93	1008.77	109.43	End Shut-In(3)
94	1806.95	109.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60359

DST#: 5

ATTN: Ryan Greenbaum

Test Start: 2014.08.16 @ 07:40:00

Tool Information

Drill Pipe:	Length: 3686.00 ft	Diameter: 3.75 inches	Volume: 50.35 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 50.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3688.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	33.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

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

Shut-In Tool	5.00			3670.00	
Hydraulic Tool	5.00			3675.00	
Jars	6.00			3681.00	
Safety Joint	2.00			3683.00	
Packer	5.00			3688.00	23.00 Bottom Of Top Packer
Anchor	5.00			3693.00	
Recorder	1.00	8938	Inside	3694.00	
Recorder	1.00	8875	Outside	3695.00	
Bull Plug	3.00			3698.00	10.00 Anchor Tool
Total Tool Length:	33.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60359

DST#: 5

ATTN: Ryan Greenbaum

Test Start: 2014.08.16 @ 07:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 79.74 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 57000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling Mud	0.068

Total Length: 5.00 ft Total Volume: 0.068 bbl

Num Fluid Samples: 0

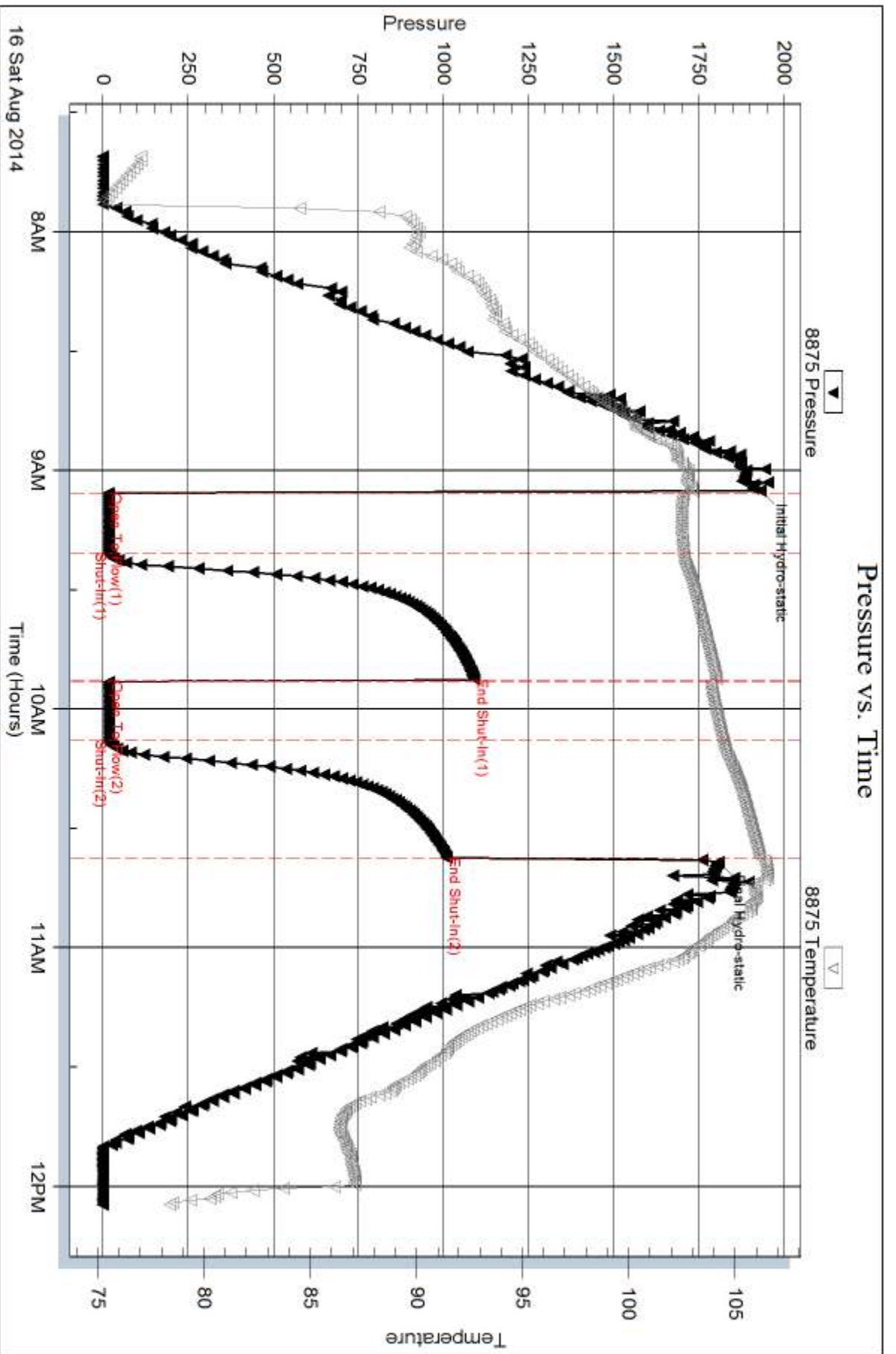
Num Gas Bombs: 0

Serial #:

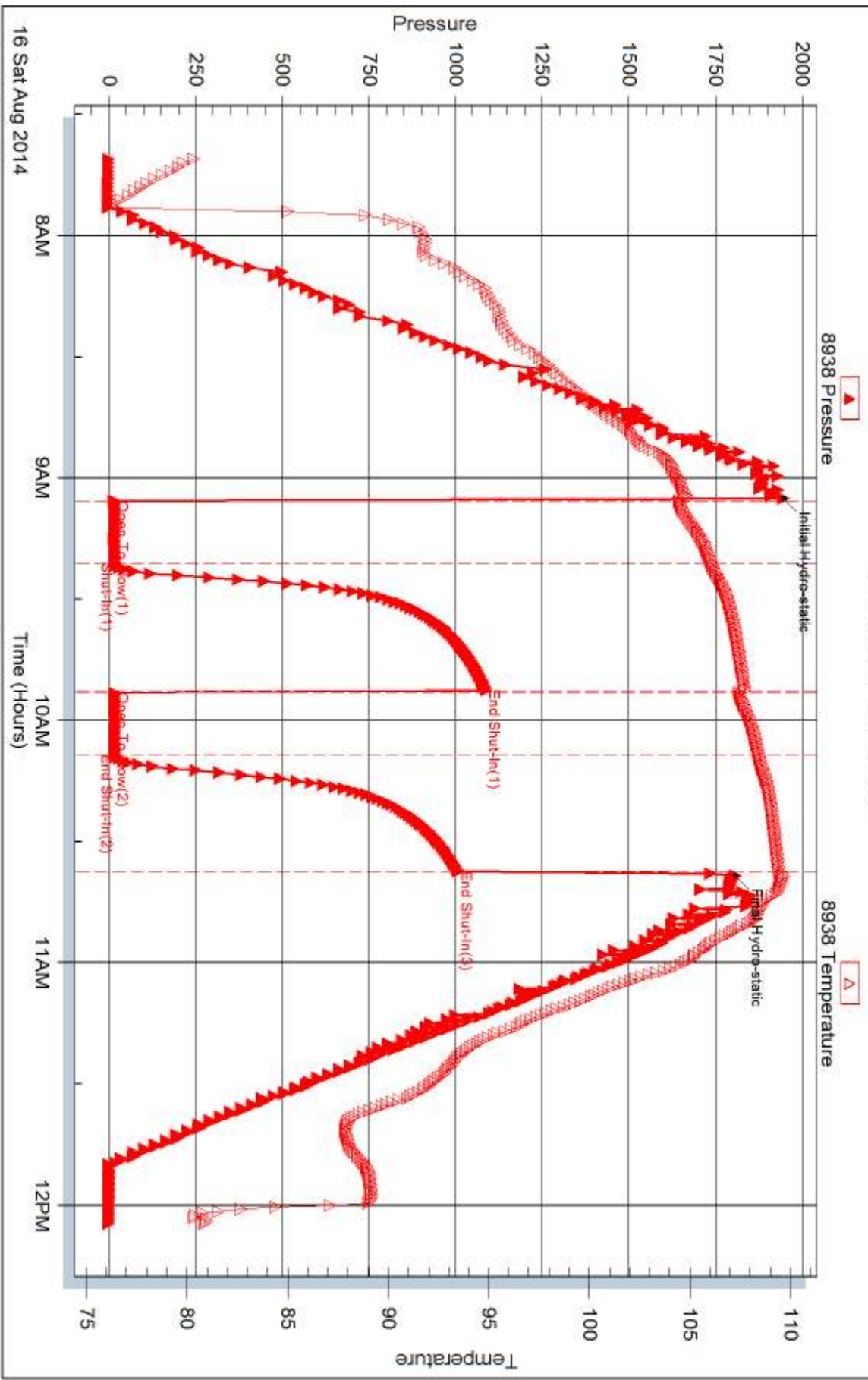
Laboratory Name:

Laboratory Location:

Recovery Comments:



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **FG Holl Company L.I.C**

9431 E Central ste 100
Wichita KS 67206+2563

ATTN: Ryan Greenbaum

Schmidt Trust A 1-11

11-20s-15w Barton,KS

Start Date: 2014.08.16 @ 19:20:00

End Date: 2014.08.17 @ 00:00:00

Job Ticket #: 60360 DST #: 6

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

Printed: 2014.08.22 @ 11:49:38

FG Holl Company L.I.C

11-20s-15w Barton,KS

Schmidt Trust A 1-11

DST # 6

Arbuckle

2014.08.16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60360

DST#: 6

Test Start: 2014.08.16 @ 19:20:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:50:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4-24-from great ben

Interval: 3695.00 ft (KB) To 3705.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3705.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8938

Inside

Press@RunDepth: 1066.19 psig @ 3701.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.16

End Date: 2014.08.16

Last Calib.: 2014.08.17

Start Time: 19:21:00

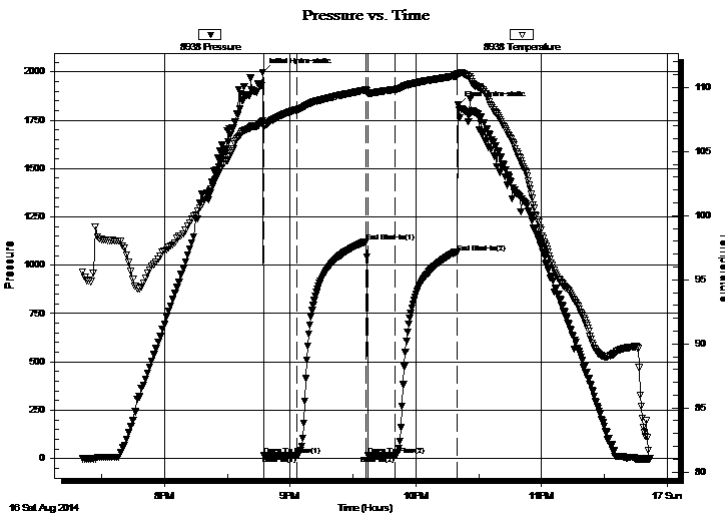
End Time: 23:51:30

Time On Btm: 2014.08.16 @ 20:47:00

Time Off Btm: 2014.08.16 @ 22:20:00

TEST COMMENT: 1st Opening 15 Minutes-Very weak surface blow died in 4 minutes
1sat Shut-In 30 Minutes-No blow back
2nd Opening 15 Minutes-No blow
2nd Shut-In 30 Minutes-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1996.99	107.40	Initial Hydro-static
1	17.32	106.96	Open To Flow (1)
16	16.43	108.27	Shut-In(1)
49	1122.01	109.79	End Shut-In(1)
50	16.83	109.53	Open To Flow (2)
63	16.79	109.85	Shut-In(2)
93	1066.19	110.90	End Shut-In(2)
93	1827.21	111.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60360

DST#: 6

Test Start: 2014.08.16 @ 19:20:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:50:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4-24-from great ben

Interval: 3695.00 ft (KB) To 3705.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3705.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875 Outside

Press@RunDepth: 1070.89 psig @ 3702.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.16

End Date: 2014.08.16

Last Calib.: 2014.08.17

Start Time: 19:21:00

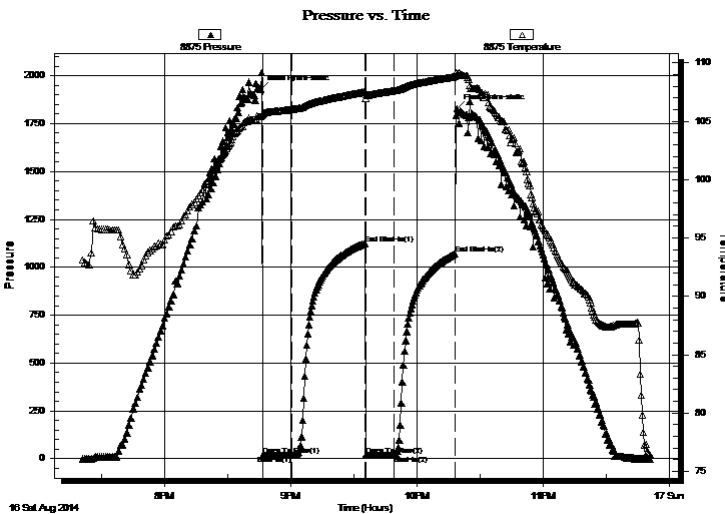
End Time: 23:50:30

Time On Btm: 2014.08.16 @ 20:45:30

Time Off Btm: 2014.08.16 @ 22:19:00

TEST COMMENT: 1st Opening 15 Minutes-Very weak surface blow died in 4 minutes
1sat Shut-In 30 Minutes-No blow back
2nd Opening 15 Minutes-No blow
2nd Shut-In 30 Minutes-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1929.73	105.42	Initial Hydro-static
1	18.02	105.60	Open To Flow (1)
15	17.96	106.02	Shut-In(1)
50	1124.51	107.52	End Shut-In(1)
50	17.43	107.00	Open To Flow (2)
64	18.21	107.62	Shut-In(2)
93	1070.89	108.82	End Shut-In(2)
94	1830.01	109.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60360

DST#: 6

ATTN: Ryan Greenbaum

Test Start: 2014.08.16 @ 19:20:00

Tool Information

Drill Pipe:	Length: 3681.00 ft	Diameter: 3.80 inches	Volume: 51.63 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 86000.00 lb
			<u>Total Volume: 51.63 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3695.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

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

Shut-In Tool	5.00			3672.00	
Hydraulic Tool	5.00			3677.00	
Jars	6.00			3683.00	
Safety Joint	2.00			3685.00	
Top Packer	5.00			3690.00	
Packer	5.00			3695.00	28.00 Bottom Of Top Packer
Anchor	5.00			3700.00	
Recorder	1.00	8938	Inside	3701.00	
Recorder	1.00	8875	Outside	3702.00	
Bull Plug	3.00			3705.00	10.00 Anchor Tool
Total Tool Length:	38.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60360

DST#: 6

ATTN: Ryan Greenbaum

Test Start: 2014.08.16 @ 19:20:00

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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling Mud	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

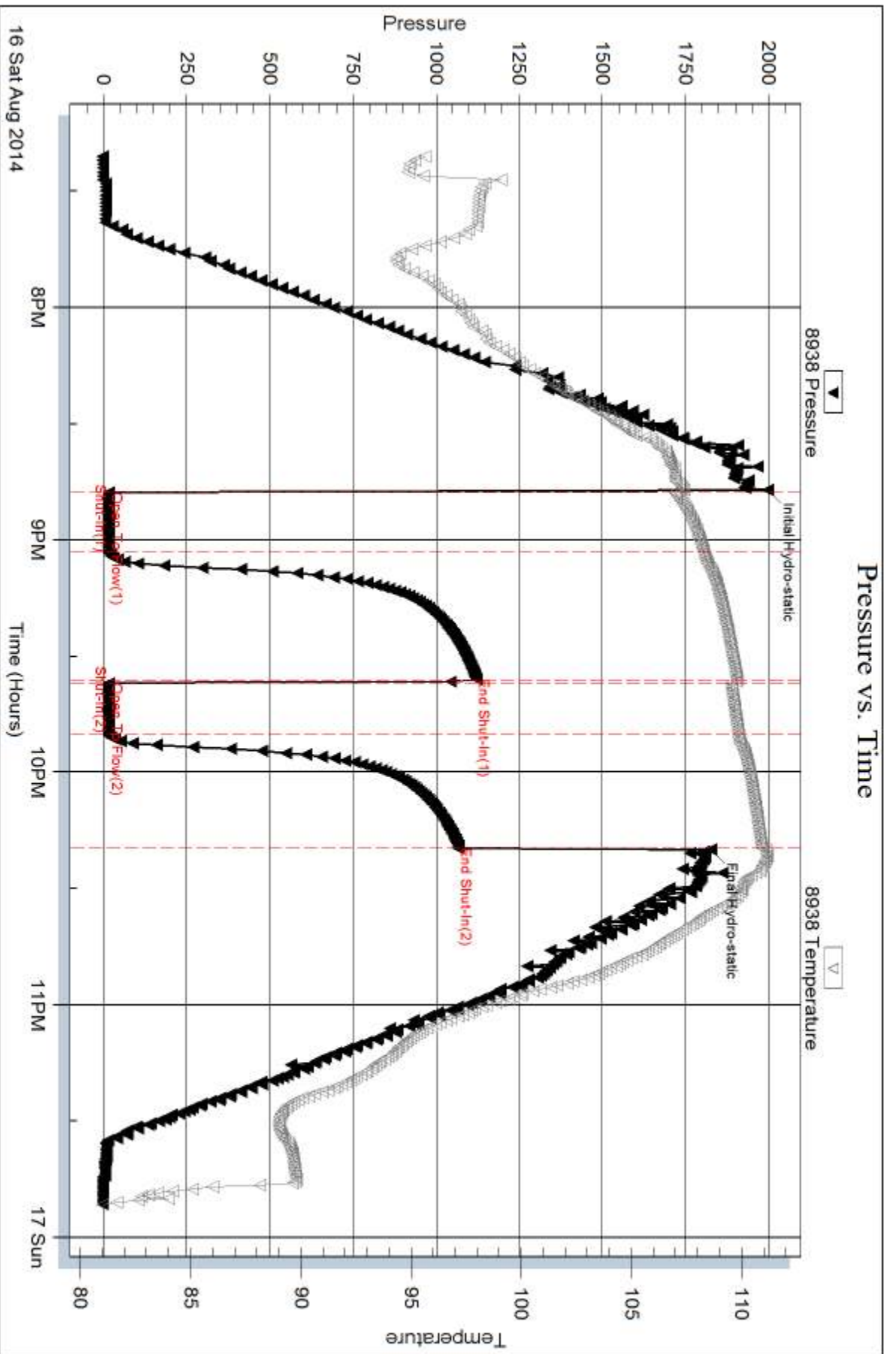
Serial #: 8938

Inside

FG Holl Company L.L.C

Schmidt Trust A 1-11

DST Test Number: 6



Trilobite Testing, Inc

Ref. No: 60360

Printed: 2014.08.22 @ 11:49:41

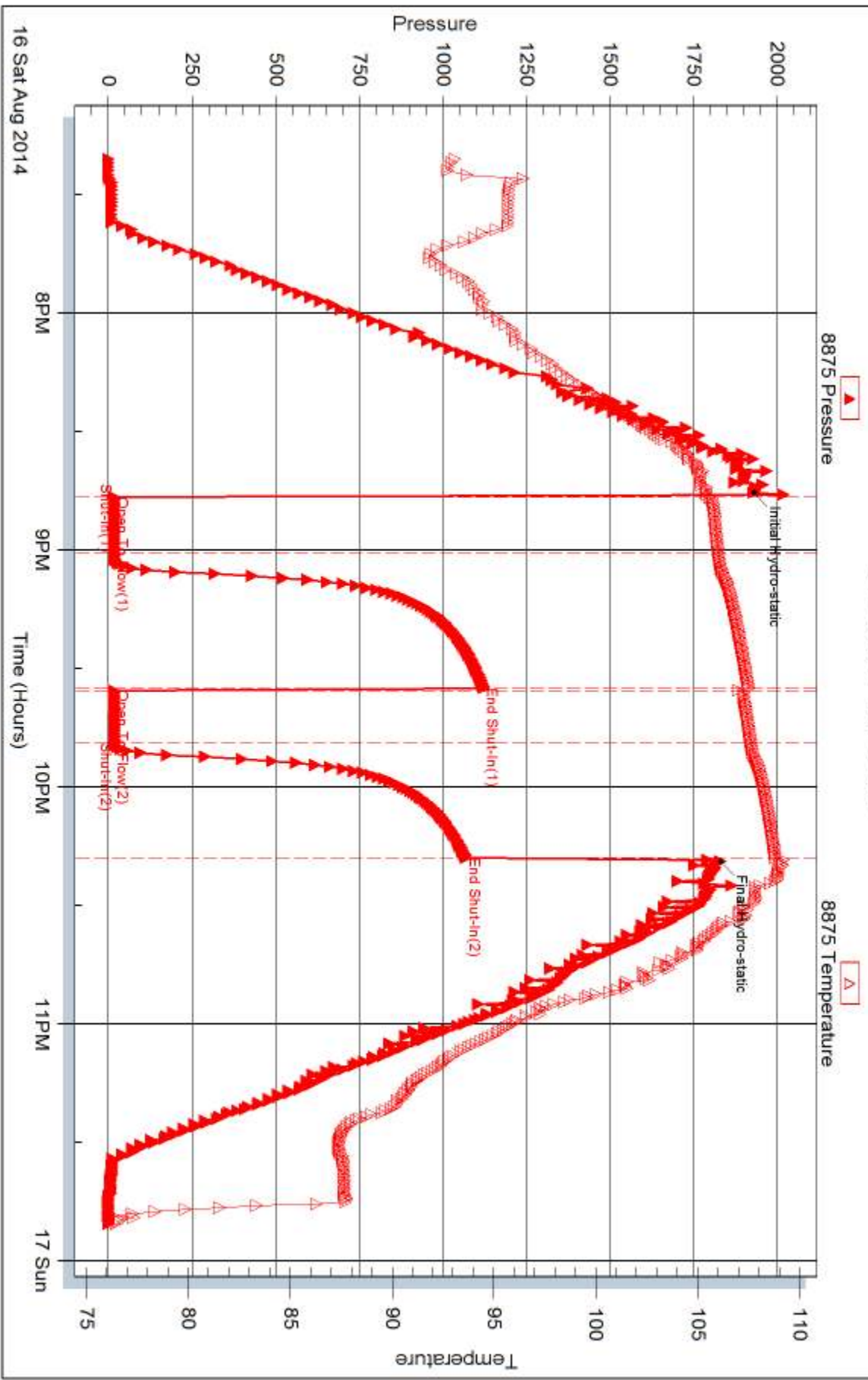
Serial #: 8875

Outside FG Holl Company L.L.C

Schmidt Trust A 1-11

DST Test Number: 6

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 60360

Printed: 2014.08.22 @ 11:49:42



DRILL STEM TEST REPORT

Prepared For: **FG Holl Company L.I.C**

9431 E Central ste 100
Wichita KS 67206+2563

ATTN: Ryan Greenbaum

Schmidt Trust A 1-11

11-20s-15w Barton,KS

Start Date: 2014.08.17 @ 07:40:00

End Date: 2014.08.17 @ 00:00:00

Job Ticket #: 60362 DST #: 7

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

Printed: 2014.08.22 @ 11:41:17

FG Holl Company L.I.C

11-20s-15w Barton,KS

Schmidt Trust A 1-11

DST # 7

Arbuckle

2014.08.17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.L.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60362

DST#: 7

Test Start: 2014.08.17 @ 07:40:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:52:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4 24 from Great Ben

Interval: 3705.00 ft (KB) To 3715.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3715.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8938

Inside

Press@RunDepth: 1172.78 psig @ 3711.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.17

End Date:

2014.08.17

Last Calib.:

2014.08.17

Start Time: 07:41:00

End Time:

11:59:00

Time On Btm:

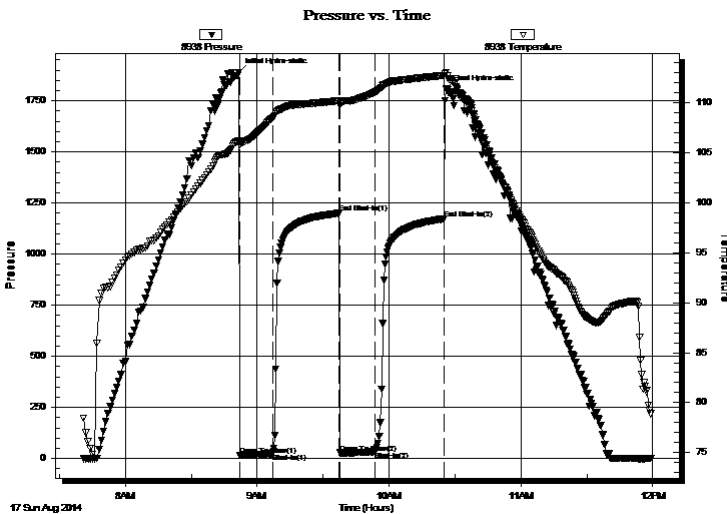
2014.08.17 @ 08:51:30

Time Off Btm:

2014.08.17 @ 10:26:00

TEST COMMENT: 1st Openig 15 Minutes-Very weak surface blow for 11 Minutes and died
1st Shut-In 30 Minutes-No blow back
2nd Opening 15 Minutes-Very weak surface blow for 9 Minutes and died
2nd Shut-In 30 Minutes-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1889.16	106.24	Initial Hydro-static
1	16.80	105.88	Open To Flow (1)
16	27.02	108.49	Shut-In(1)
46	1200.04	110.21	End Shut-In(1)
46	27.34	109.72	Open To Flow (2)
62	33.47	111.07	Shut-In(2)
94	1172.78	112.75	End Shut-In(2)
95	1807.32	113.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60362

DST#: 7

Test Start: 2014.08.17 @ 07:40:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:52:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4 24 from Great Ben

Interval: 3705.00 ft (KB) To 3715.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3715.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875 Outside

Press@RunDepth: 1174.87 psig @ 3712.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.17

End Date: 2014.08.17

Last Calib.: 2014.08.17

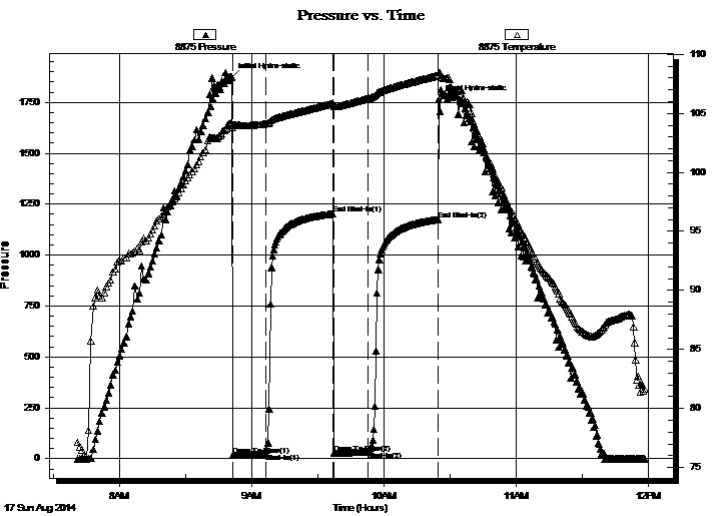
Start Time: 07:41:00

End Time: 11:58:30

Time On Btm: 2014.08.17 @ 08:51:00

Time Off Btm: 2014.08.17 @ 10:25:00

TEST COMMENT: 1st Openig 15 Minutes-Very weak surface blow for 11 Minutes and died
1st Shut-In 30 Minutes-No blow back
2nd Opening 15 Minutes-Very weak surface blow for 9 Minutes and died
2nd Shut-In 30 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1873.55	104.22	Initial Hydro-static
1	16.98	103.78	Open To Flow (1)
16	24.84	104.12	Shut-In(1)
46	1202.73	105.86	End Shut-In(1)
47	26.17	105.59	Open To Flow (2)
62	34.76	106.28	Shut-In(2)
94	1174.87	108.20	End Shut-In(2)
94	1763.96	108.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60362

DST#: 7

ATTN: Ryan Greenbaum

Test Start: 2014.08.17 @ 07:40:00

Tool Information

Drill Pipe:	Length: 3680.00 ft	Diameter: 3.80 inches	Volume: 51.62 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 51.62 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3705.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3682.00	
Hydraulic Tool	5.00			3687.00	
Jars	6.00			3693.00	
Safety Joint	2.00			3695.00	
Top Packer	5.00			3700.00	
Packer	5.00			3705.00	28.00 Bottom Of Top Packer
Anchor	5.00			3710.00	
Recorder	1.00	8938	Inside	3711.00	
Recorder	1.00	8875	Outside	3712.00	
Bull Plug	3.00			3715.00	10.00 Anchor Tool
Total Tool Length:	38.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60362

DST#: 7

ATTN: Ryan Greenbaum

Test Start: 2014.08.17 @ 07:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.00 inches

Recovery Information

Recovery Table

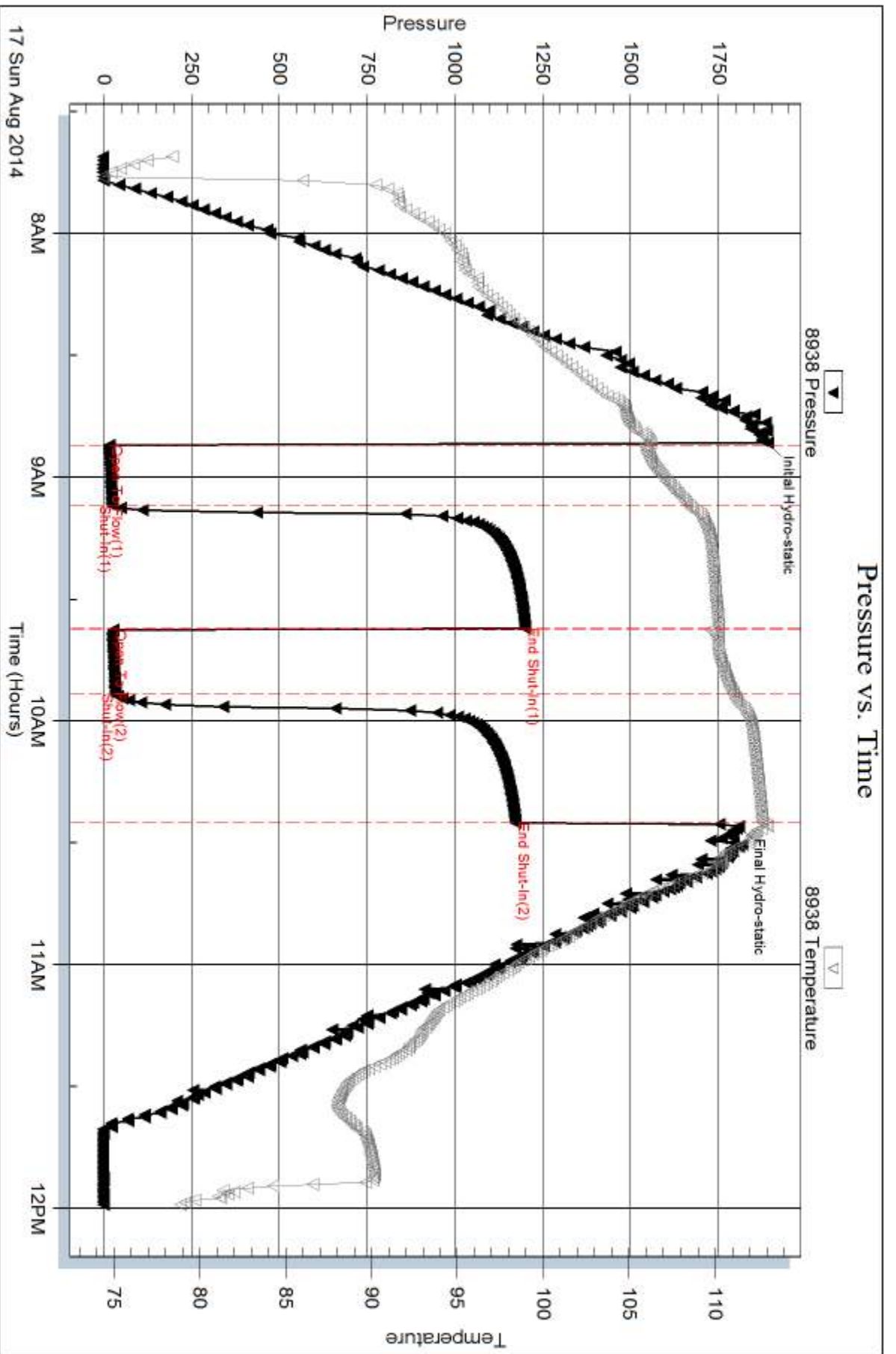
Length ft	Description	Volume bbbl

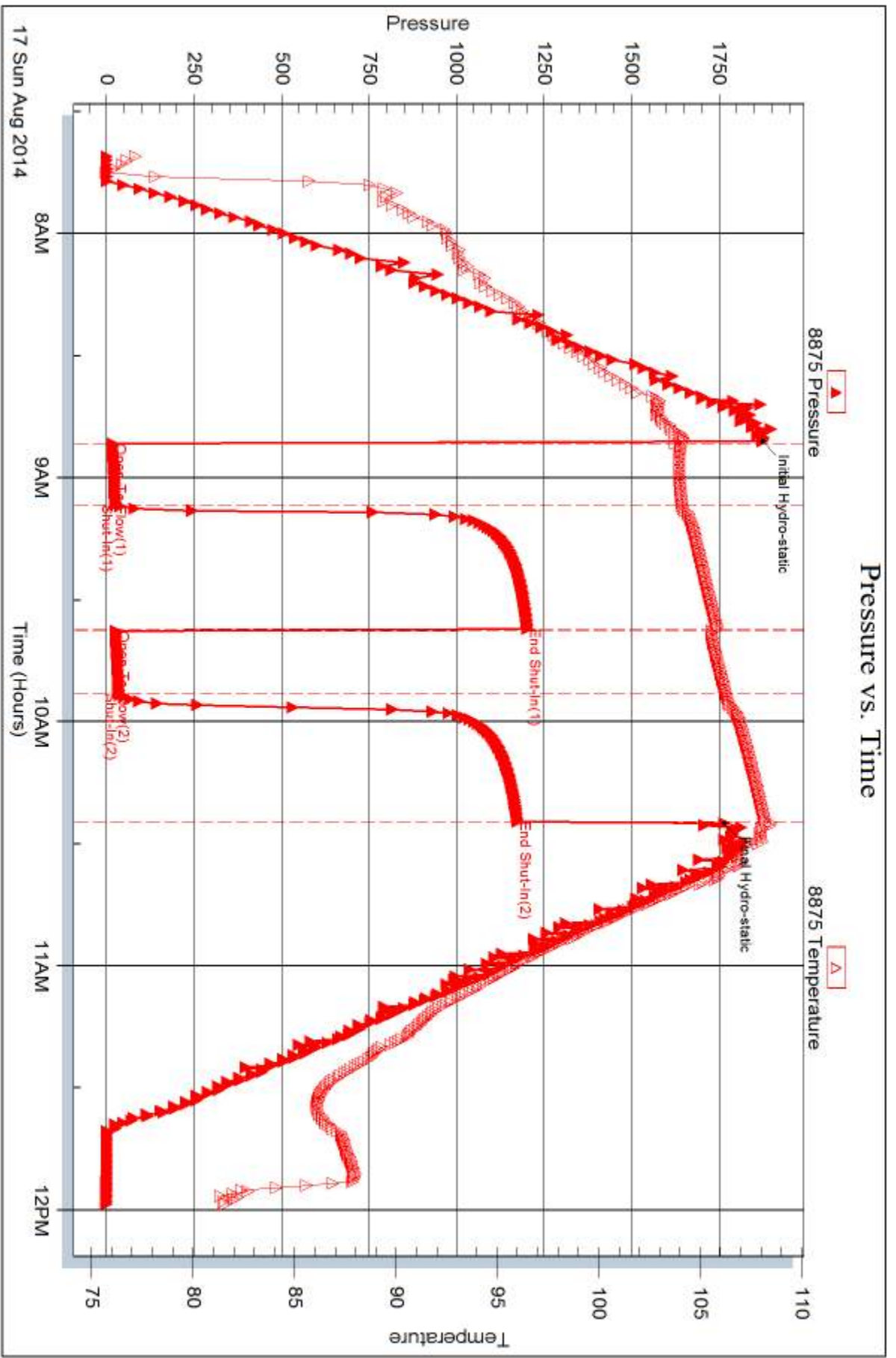
Total Length: ft Total Volume: bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **FG Holl Company L.I.C**

9431 E Central ste 100
Wichita KS 67206+2563

ATTN: Ryan Greenbaum

Schmidt Trust A 1-11

11-20s-15w Barton,KS

Start Date: 2014.08.17 @ 07:20:00

End Date: 2014.08.17 @ 00:00:00

Job Ticket #: 60362 DST #: 8

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

Printed: 2014.08.22 @ 11:40:33

FG Holl Company L.I.C

11-20s-15w Barton,KS

Schmidt Trust A 1-11

DST # 8

Arbuckle

2014.08.17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60362

DST#: 8

Test Start: 2014.08.17 @ 07:20:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4 24 from Great Ben

Interval: 3715.00 ft (KB) To 3725.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3725.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8938

Inside

Press@RunDepth: 1145.96 psig @ 3721.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.17

End Date: 2014.08.18

Last Calib.: 2014.08.18

Start Time: 19:41:00

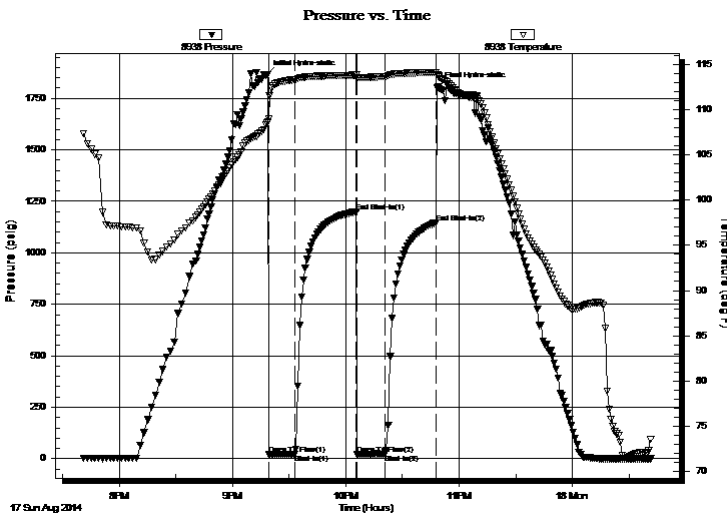
End Time: 00:41:30

Time On Btm: 2014.08.17 @ 21:18:00

Time Off Btm: 2014.08.17 @ 22:49:00

TEST COMMENT: 1sr Opening 15 Minutes-Weak surface blow for 4 minutes
1st Shut-In 30 Minutes-No blow back
2nd Open 15 Minutes-No blow
2nd Shut-In 30 Minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1865.49	108.51	Initial Hydro-static
1	21.29	108.94	Open To Flow (1)
15	21.95	113.31	Shut-In(1)
48	1200.25	113.82	End Shut-In(1)
48	22.10	113.46	Open To Flow (2)
63	22.93	113.68	Shut-In(2)
90	1145.96	114.12	End Shut-In(2)
91	1804.95	113.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling Mud	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.L.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60362

DST#: 8

Test Start: 2014.08.17 @ 07:20:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4 24 from Great Ben

Interval: 3715.00 ft (KB) To 3725.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3725.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875 Outside

Press@RunDepth: 1149.04 psig @ 3722.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.17

End Date: 2014.08.18

Last Calib.: 2014.08.18

Start Time: 19:41:05

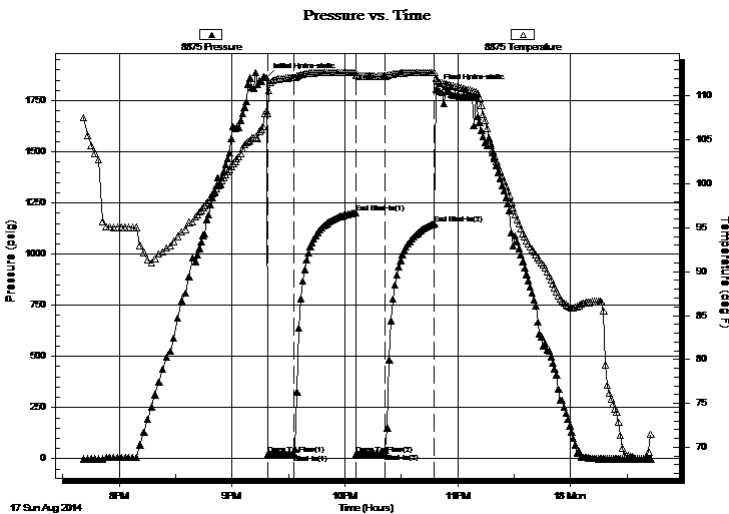
End Time: 00:43:05

Time On Btm: 2014.08.17 @ 21:18:35

Time Off Btm: 2014.08.17 @ 22:49:05

TEST COMMENT: 1sr Opening 15 Minutes-Weak surface blow for 4 minutes
1st Shut-In 30 Minutes-No blow back
2nd Open 15 Minutes-No blow
2nd Shut-In 30 Minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1863.23	108.38	Initial Hydro-static
1	21.79	108.01	Open To Flow (1)
15	22.22	112.13	Shut-In(1)
47	1202.86	112.68	End Shut-In(1)
48	22.10	112.30	Open To Flow (2)
63	24.88	112.27	Shut-In(2)
89	1149.04	112.67	End Shut-In(2)
91	1809.86	111.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling Mud	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60362

DST#: 8

ATTN: Ryan Greenbaum

Test Start: 2014.08.17 @ 07:20:00

Tool Information

Drill Pipe:	Length: 3709.00 ft	Diameter: 3.80 inches	Volume: 52.03 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 82000.00 lb
			<u>Total Volume: 52.03 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3715.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

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

Shut-In Tool	5.00			3692.00	
Hydraulic Tool	5.00			3697.00	
Jars	6.00			3703.00	
Safety Joint	2.00			3705.00	
Top Packer	5.00			3710.00	
Packer	5.00			3715.00	28.00 Bottom Of Top Packer
Anchor	5.00			3720.00	
Recorder	1.00	8938	Inside	3721.00	
Recorder	1.00	8875	Outside	3722.00	
Bull Plug	3.00			3725.00	10.00 Anchor Tool
Total Tool Length:	38.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60362

DST#: 8

ATTN: Ryan Greenbaum

Test Start: 2014.08.17 @ 07:20:00

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drilling Mud	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

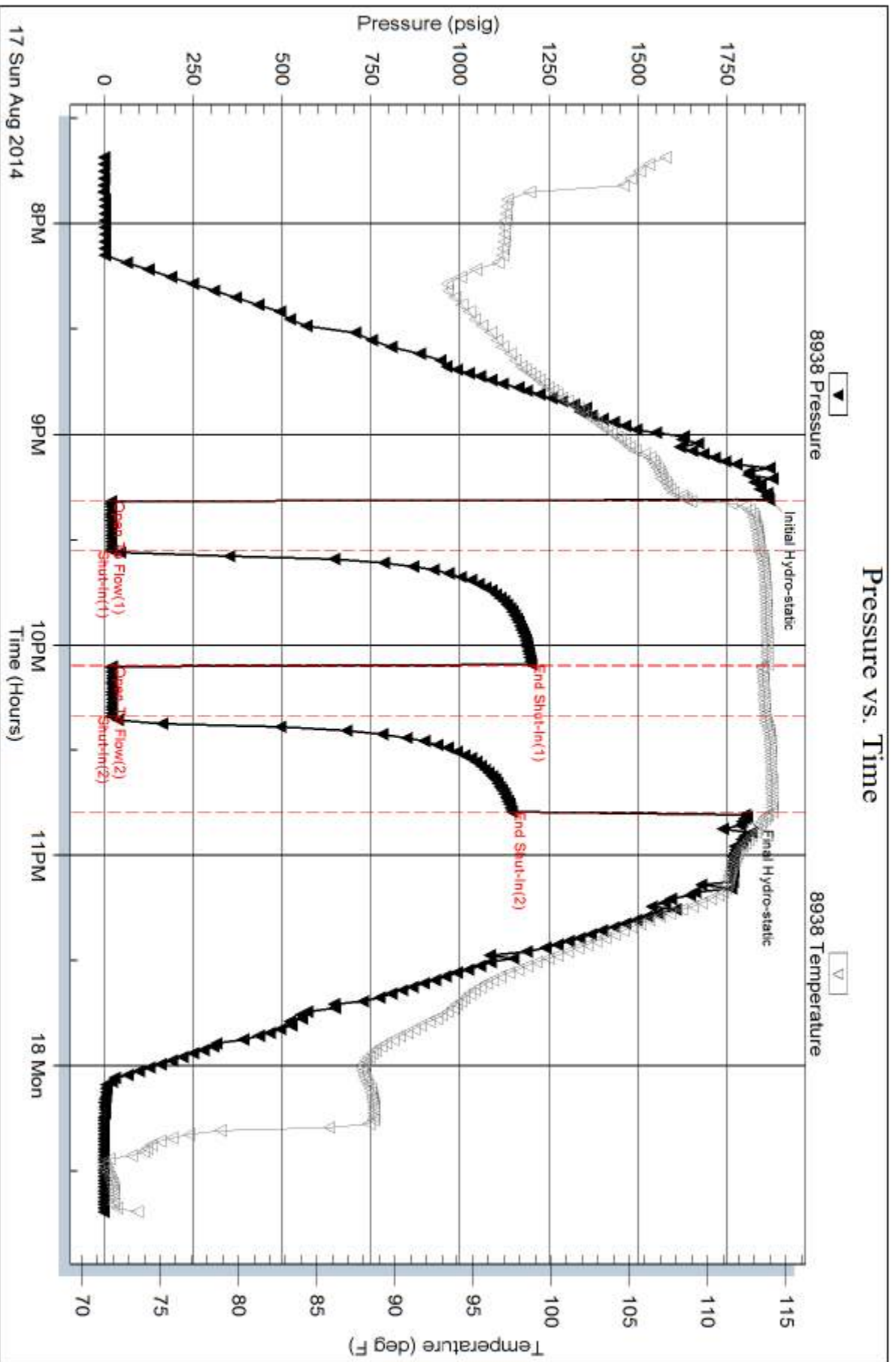
Serial #:

Laboratory Name:

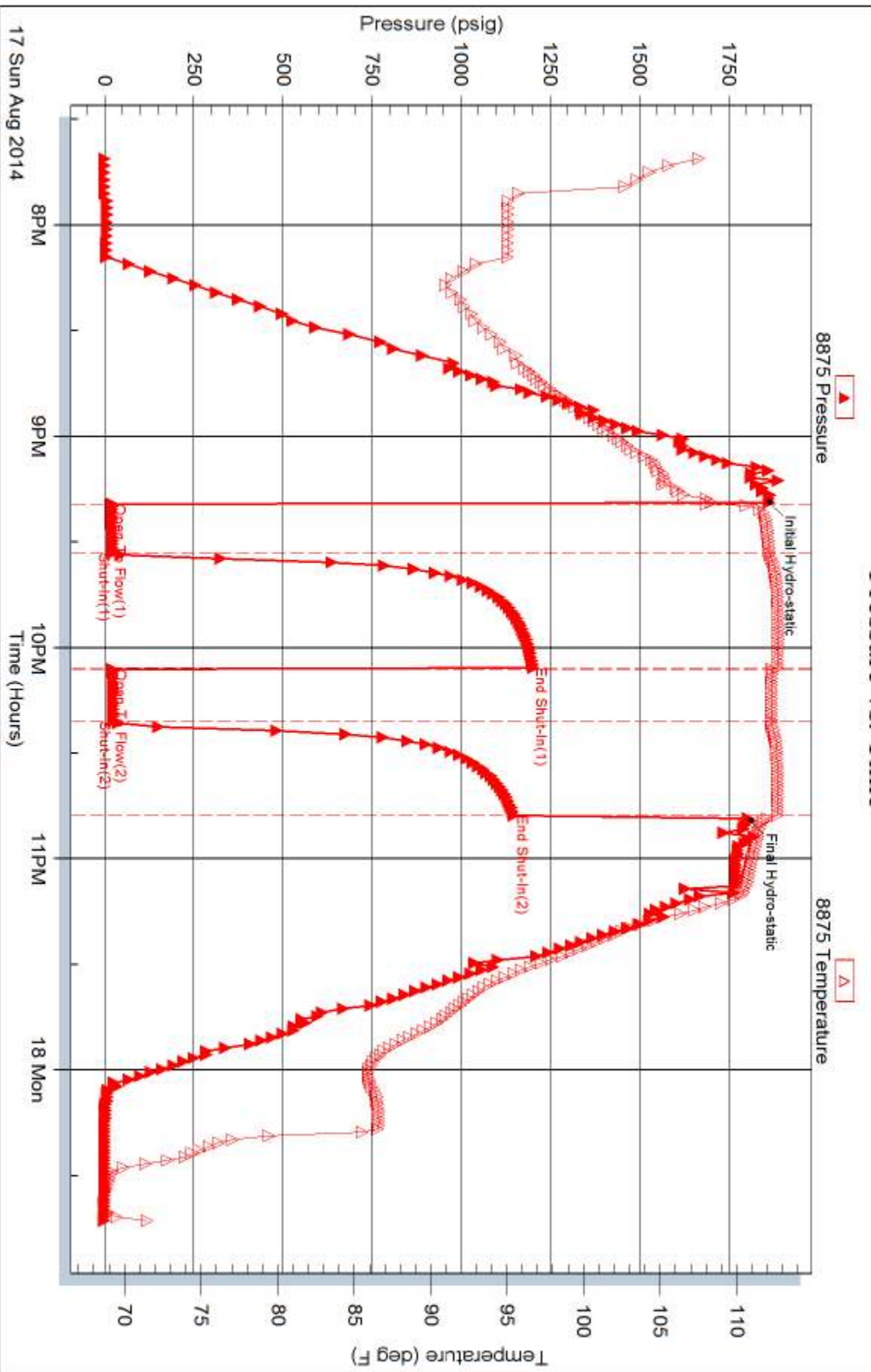
Laboratory Location:

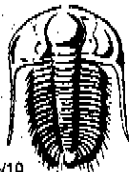
Recovery Comments:

Pressure vs. Time



Pressure vs. Time





TRILOBITE TESTING INC.

1515 Commerce Parkway - Hays, Kansas 67601

Test Ticket

NO. 60355

Well Name & No. Schwartz TRUST "A" #1-11 Test No. 2 Date 8-11-2014
 Company F.G. Hall COMPANY L.L.C. Elevation 1962 KB 1954 GL
 Address 9431 East Central Suite 100 Wichita, Kansas 67206-2568
 Co. Rep / Geo. RENEE HUSTEAD Rig DUKE Drilling Rig #2
 Location: Sec. 22 11 Twp. SE 20 S Rge. N 15 W Co. BARTON State KANSAS

Interval Tested 2430 - 2456 Zone Tested RED GAGIE
 Anchor Length 26 Drill Pipe Run 2454 Mud Wt. 9.5
 Top Packer Depth 2425 Drill Collars Run NONE Vis 34
 Bottom Packer Depth 2430 Wt. Pipe Run NONE WL 16.81
 Total Depth 2456 Chlorides 35,000 ppm System LCM 0
 Blow Description 1st OPEN - 15 minutes - VERY WEAK SURFACE blow died in 8 minutes
2nd OPEN - 15 minutes - no blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>MUD</u>			<u>100</u>	

Rec Total 20 BHT 95 Gravity 1150 API RW 37.20 @ °F Chlorides ppm

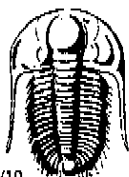
(A) Initial Hydrostatic 1226 Test
 (B) First Initial Flow 24 Jars 250
 (C) First Final Flow 29 Safety Joint 75
 (D) Initial Shut-In 804 Circ Sub
 (E) Second Initial Flow 30 Hourly Standby
 (F) Second Final Flow 33 Mileage 24 37.20
 (G) Final Shut-In 781 Sampler
 (H) Final Hydrostatic 1130 Straddle

Initial Open 15 minutes Shale Packer
 Initial Shut-In 30 minutes Shale Packer
 Final Flow 15 minutes Extra Packer
 Final Shut-In 30 minutes Extra Recorder
 Day Standby
 Accessibility

T-On Location 4:20 Recorder
 T-Started 5:20 - 4:19
 T-Open 6:24 5:32
 T-Pulled 7:54 7:02
 T-Out 8:18
 Comments Actual

Sub Total 0
 Total 1512.20
 MP/DST Disc't
 Sub Total 1512.20

Approved By _____ Our Representative Gene Budig
 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. 60356

Well Name & No. Schmidt Trust "A" # 1-11 Test No. 3 Date 8-14-14
 Company F. B. HOIL COMPANY LLC Elevation 1962 KB 1954 GL
 Address 9431 East Central Suite 100 Wichita, Kansas 67206-2863
 Co. Rep / Geo. RYAN GREENBAUM Rig DUKE Drilling Rig #2
 Location: Sec. 11 Twp. 20^S Rge. 15^W Co. Barton State Kansas

Interval Tested 3550-3640 Zone Tested GORHAM SAND
 Anchor Length 90 Drill Pipe Run 3523 Mud Wt. 9.41
 Top Packer Depth 3545 Drill Collars Run NONE Vis 50
 Bottom Packer Depth 3550 Wt. Pipe Run NONE WL 7.5
 Total Depth 3640 Chlorides 4800 ppm System LCM 0

Blow Description 1st OPENING - 30 minutes - Good built to the bottom of a 5 Gallon Bucket
1st SHUT-IN 100 minutes - GOOD Blow back in 2 minutes
2nd OPENING - 45 minutes - Strong blow Gas to Surface 18 minutes in the
2nd SHUT-IN 90 minutes - Good blow back 1st air

Rec	Feet of	%gas	%oil	%water	%mud
<u>275</u>	<u>HEAVY 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

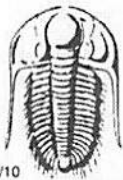
Rec Total 275 BHT 114 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1874 Test 1150 T-On Location 8:45 P.M.
 (B) First Initial Flow 108 Jars 250 T-Started 9:40 A.M.
 (C) First Final Flow 172 Safety Joint 75 T-Open 11:40 P.M.
 (D) Initial Shut-In 1106 Circ Sub _____ T-Pulled 3:25 A.M.
 (E) Second Initial Flow 712 Hourly Standby _____ T-Out 5:08 A.M.
 (F) Second Final Flow 156 Mileage 24 37.20
 (G) Final Shut-In 1128 Sampler _____
 (H) Final Hydrostatic 1725 Straddle _____
 Shale Packer _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Copies _____

Initial Open 11:40 P.M 30 min
 Initial Shut-In 12:10 A.M 60 min
 Final Flow 1:10 A.M 45 min
 Final Shut-In 1:55 P.M 90 min
 Extra Recorder _____
 Day Standby 3d .5h
 Accessibility _____
 Sub Total 1512.20
 Sub Total 1600
 Total 3112.20
 MP/DST Disc't _____

Approved By _____ Our Representative Dave Budig

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. 60357

Well Name & No. Schmidt Trust "A" #1-11 Test No. 4 Date 8-15-14
 Company F G Hott Company LLC Elevation 1962 KB 1954 GL
 Address 9431 East Central Suite 100 Wichita Kansas 67206-2563
 Co. Rep / Geo. Ryan Greenbaum Rig Duke Drilling Rig #2
 Location: Sec. 11 Twp. 20^s Rge. 15^w Co. Barton State Kansas

Interval Tested 3680-3688 Zone Tested Arbuckle
 Anchor Length 8 Drill Pipe Run 3655 Mud Wt. 9.9
 Top Packer Depth -3675 Drill Collars Run 0 Vis 45
 Bottom Packer Depth 3680 Wt. Pipe Run 0 WL 799
 Total Depth 3688 Chlorides 5700 ppm System LCM 0

Blow Description 1st OPEN-15 minutes - weak blow for 4 minutes & DIED
1st Shut-In 30 minutes - No blow back
2nd OPEN 15 minutes - No blow
2nd Shut-In 30 minutes - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Derrick 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 15 BHT 112 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1907 Test 1150 T-On Location 5:00 P.M.
 (B) First Initial Flow 23 Jars 250 T-Started 6:37 P.M.
 (C) First Final Flow 23 Safety Joint 75 T-Open 8:12 P.M.
 (D) Initial Shut-In 80 Circ Sub _____ T-Pulled 9:42 P.M.
 (E) Second Initial Flow 21 Hourly Standby _____ T-Out 11:23 P.M.
 (F) Second Final Flow 23 Mileage 24 37.20
 (G) Final Shut-In 25 Sampler _____
 (H) Final Hydrostatic 1728 Straddle _____

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 15 Extra Packer _____
 Initial Shut-In 30 Extra Recorder _____
 Final Flow 15 Day Standby _____
 Final Shut-In 30 Accessibility _____
 Sub Total 0
 Total 1512.20
 MP/DST Disc't _____
 Sub Total 1512.20

Approved By _____ Our Representative Steve Budij

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. 60859

Well Name & No. Schmidt Trust "A" #1-11 Test No. 5 Date 8-16-2014
 Company F.G. Hall Company LLC Elevation 1962 KB 1954 GL
 Address 9431 East Central Suite 100 Wichita, Kansas 67206-2563
 Co. Rep / Geo. Ryan Grossbaum Rig Duke Drilling Rig #2
 Location: Sec. 11 Twp. 20^s Rge. 15^w Co. Barton State Kansas

Interval Tested 3688-3698 Zone Tested Arbuckle
 Anchor Length 10 Drill Pipe Run _____ Mud Wt. 9.9
 Top Packer Depth 3683 Drill Collars Run NONE Vis 51
 Bottom Packer Depth 3688 Wt. Pipe Run NONE WL 8.0
 Total Depth 3688 Chlorides 5700 ppm System LCM 0

Blow Description 1st OPEN - 15 minutes - very weak surface blow for 4 minutes died
1st Shut-In 30 minutes - No blow back
2nd OPEN - 15 minutes - No blow
2nd Shut-In 30 minutes - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Drilling 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 _____ BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1931 Test 1150 T-On Location 7:20 A.M.
 (B) First Initial Flow 15 Jars 250 T-Started 7:40 A.M.
 (C) First Final Flow 17 Safety Joint 75 T-Open 9:05 A.M.
 (D) Initial Shut-In 1091 Circ Sub _____ T-Pulled 10:35 A.M.
 (E) Second Initial Flow 17 Hourly Standby _____ T-Out 12:04 P.M.
 (F) Second Final Flow 17 Mileage 24 37.20 Comments _____
 (G) Final Shut-In 1010 Sampler _____
 (H) Final Hydrostatic 1807 Straddle _____

Initial Open 15 minutes Ruined Shale Packer _____
 Initial Shut-In 30 minutes Ruined Packer _____
 Final Flow 15 minutes Extra Packer _____
 Final Shut-In 30 minutes Extra Recorder _____
 Sub Total 0
 Total 1512.20
 Sub Total 1512.20 MP/DST Disc't _____

Approved By _____ Our Representative Bone Budig

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. 60300

Well Name & No. Schmidt Trust "A" #1-11 Test No. 6 Date 8-16-2014
 Company F.C. Hall Company LLC Elevation 1962 KB 1954 GL
 Address 9431 East Central Suite 100 Wichita, Kansas 67206-2663
 Co. Rep / Geo. Ryan Greubauer Rig 11 Duke 11 Drilling Rig #2
 Location: Sec. 11 Twp. 20^s Rge. 15^w Co. Barton State Kansas

Interval Tested 3695-3705 Zone Tested Arbuckle
 Anchor Length 10 Drill Pipe Run _____ Mud Wt. 9.4
 Top Packer Depth 3695 Drill Collars Run 0 Vis 47
 Bottom Packer Depth None Ran Wt. Pipe Run 0 WL 11 2/3
 Total Depth 3705 Chlorides 6000 ppm System LCM 0

Blow Description 1st OPEN - 15 minutes - Very weak surface blow died in 4 minutes
1st Shut-In - 30 minutes - No blow back
2nd OPEN - 15 minutes - No blow
2nd Shut-In 30 minutes - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Drill. 26 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 5 BHT 111 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1977</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>7:10 AM</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>7:20 PM</u>
(C) First Final Flow <u>16</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>8:50 PM</u>
(D) Initial Shut-In <u>1122</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>10:20 AM</u>
(E) Second Initial Flow <u>16</u>	<input type="checkbox"/> Hourly Standby _____	T-Out _____
(F) Second Final Flow <u>16</u>	<input type="checkbox"/> Mileage <u>24</u> 37.20	Comments _____
(G) Final Shut-In <u>1066</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1827</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 15 minutes
 Initial Shut-In 30 minutes
 Final Flow 15 minutes
 Final Shut-In 30 minutes

Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Sub Total 1512.20

Approved By _____ Our Representative Steve Budig

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. 80931

Well Name & No. Schmidt Trust "A" #1 Test No. 7 Date 8-17-2014
 Company F.G. Holl Company LLC Elevation 1962 KB 1954 GL
 Address 7431 East Central Suite 100 Wichita, Kansas 67206-2563
 Co. Rep / Geo. Ryan Greenbaum Rig 11 Duke 11 Dr. 11m Rig #2
 Location: Sec. 11 Twp. 20^s Rge. 15^w Co. Barton State Kansas

Interval Tested 3705-3715 Zone Tested Arbuckle
 Anchor Length 10 Drill Pipe Run _____ Mud Wt. 9.4
 Top Packer Depth 3705 Drill Collars Run _____ Vis 47
 Bottom Packer Depth NONE RUN Wt. Pipe Run _____ WL 11.2
 Total Depth 3715 Chlorides 6000 ppm System LCM 0

Blow Description 1st OPEN VERY WEAK Surface blow for 11 minutes & DIED
1st SHUT-IN 1st SHUT-IN 30 minutes - no blow back
2nd FLOW 15 minutes - Very weak Surface blow for 9 minutes & DIED
2nd SHUT-IN 30 minutes - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>35</u>	<u>Drilling 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 35 BHT 108 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1873 Test 1150 T-On Location 7:30 A.M.
 (B) First Initial Flow 16 Jars 250 T-Started 7:40 A.M.
 (C) First Final Flow 24 Safety Joint 75 T-Open 8:52 A.M.
 (D) Initial Shut-In 1202 Circ Sub _____ T-Pulled 10:22 A.M.
 (E) Second Initial Flow 26 Hourly Standby _____ T-Out 11:59
 (F) Second Final Flow 34 Mileage 37.20 Comments _____
 (G) Final Shut-In 1174 Sampler _____
 (H) Final Hydrostatic 1763 Straddle _____

Initial Open 15 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Extra Packer _____ Ruined Packer _____
 Final Flow 15 Extra Recorder _____ Extra Copies _____
 Final Shut-In 30 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1512.20
 Sub Total 1512.20 MP/DST Disc't _____

Approved By _____ Our Representative Alan Buehig

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.



4/10

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 80332

Well Name & No. Schmidt Trust "A" #1-11 Test No. 8 Date 8-17-2014
 Company E.G. Hall Company LLC Elevation 1962 KB 1954 GL
 Address 9431 East Central Suite 100 Wichita Kansas 67206-2563
 Co. Rep / Geo. Ryan Greenbaum Rig Duke Drilling
 Location: Sec. 11 Twp. 20^s Rge. 15^w Co. Barton State KANSAS

Interval Tested 3715-3725 Zone Tested Aebuckle
 Anchor Length 10 Drill Pipe Run _____ Mud Wt. 9.4
 Top Packer Depth 3715 Drill Collars Run _____ Vis 48
 Bottom Packer Depth NONE Ran Wt. Pipe Run _____ WL 11.3
 Total Depth 3725 Chlorides 6600 ppm System LCM 0
 Blow Description 1st OPEN 15 minutes - VERY WEAK surface blow for 6 minutes & DIED
1st Shut-In 30 minutes - No blow back
2nd OPEN - 15 minutes - No blow
2nd Shut-In 30 minutes - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Drilling Mud</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 10 BHT 113 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1889 Test 1150 T-On Location 7:10 P.M.
 (B) First Initial Flow 1865 T6 Jars 250 T-Started 7:40 P.M.
 (C) First Final Flow 21 27 Safety Joint 75 T-Open 9:00 P.M.
 (D) Initial Shut-In 24200 Circ Sub _____ T-Pulled 10:30 P.M.
 (E) Second Initial Flow 1200 27 Hourly Standby _____ T-Out 12:35 A.M.
 (F) Second Final Flow 22 33 Mileage 24 37.20 Comments _____
 (G) Final Shut-In 221172 Sampler _____
 (H) Final Hydrostatic 11451807 Straddle _____
1804 Shale Packer _____
 Initial Open 15 minutes Extra Packer _____
 Initial Shut-In 30 minutes Extra Recorder _____
 Final Flow 15 minutes Day Standby _____ Sub Total _____
 Final Shut-In 30 minutes Accessibility _____ Total _____
 Sub Total 1512.20 MP/DST Disc't _____

Approved By _____ Our Representative Gene Gene

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.