



DRILL STEM TEST REPORT

Prepared For: **F.G. Holl Company LLC**

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Rene Husted

Kufeld #1-19

19-19s18w Barton

Start Date: 2014.09.15 @ 00:00:00

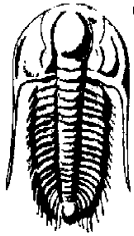
End Date:

Job Ticket #:

DST #: 10

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

Printed: 2014.09.15 @ 18:15:06



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

F.G. Holl Company LLC

19-19s18w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Kufeld #1-19

ATTN: Rene Husted

Job Ticket: **DST#: 10**

Test Start: 2014.09.15 @ 00:00:00

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Test Type: (Initial)

Time Tool Opened:

Tester:

Time Test Ended:

Unit No:

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

Reference Elevations: 1915.00 ft (KB)

Total Depth: ft (KB) (TVD)

1907.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8938

Outside

Press@RunDepth: psig @ 3563.77 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.14 End Date: 2014.09.15

Last Calib.: 2014.09.15

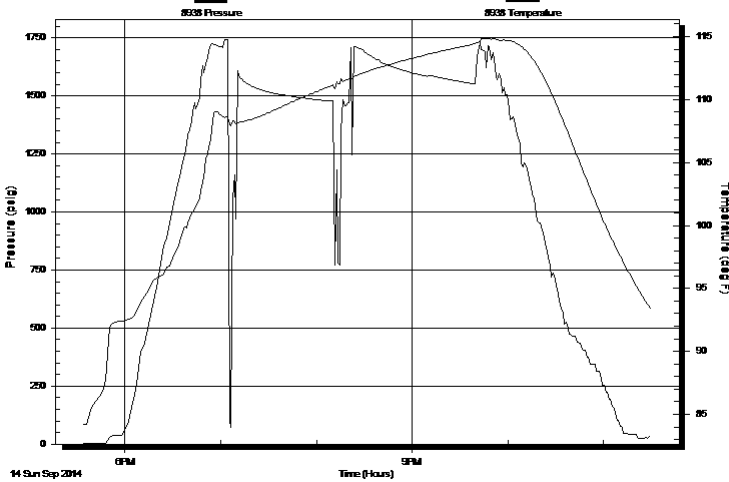
Start Time: 17:33:00 End Time: 05:59:00

Time On Btm:

Time Off Btm:

TEST COMMENT:

Pressure vs. Time



PRESSURE SUMMARY

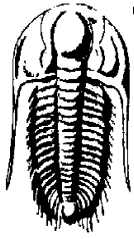
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



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 9431 East Central Suite 100
 Wichita, Kansas 67206-2563
 ATTN: Rene Husted

19-19s18w Barton
Kufeld #1-19
 Job Ticket: **DST#: 10**
 Test Start: 2014.09.15 @ 00:00:00

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended:

Test Type: (Initial)

Tester:

Unit No:

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

Reference Elevations: 1915.00 ft (KB)

Total Depth: ft (KB) (TVD)

1907.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8875

Inside

Press@RunDepth: psig @ 3562.77 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.14

End Date:

2014.09.15

Last Calib.:

2014.09.15

Start Time:

17:33:00

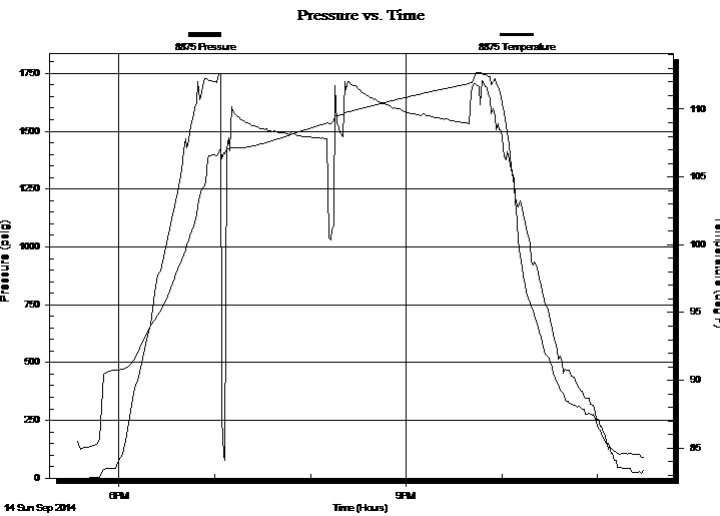
End Time:

05:58:30

Time On Btm:

Time Off Btm:

TEST COMMENT:



PRESSURE SUMMARY

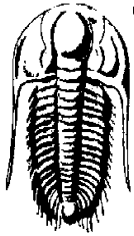
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



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TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G. Holl Company LLC

19-19s18w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Kufeld #1-19

Job Ticket:

DST#: 10

ATTN: Rene Hustedad

Test Start: 2014.09.15 @ 00:00:00

Tool Information

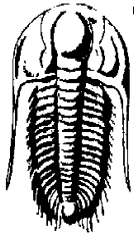
Drill Pipe:	Length: 3464.00 ft	Diameter: 3.80 inches	Volume: 48.59 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 48.59 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3492.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	0.00 ft			
Tool Length:	102.77 ft			
Number of Packers:	1	Diameter: inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			3469.00	
Hydraulic Tool	5.00			3474.00	
Jars	6.00			3480.00	
Safety Joint	2.00			3482.00	
Top Packer	5.00			3487.00	
Packer	5.00			3492.00	28.00 Bottom Of Top Packer
Anchor	5.00			3497.00	
Change Over Sub	0.75			3497.75	
Drill Pipe	31.27			3529.02	
Change Over Sub	0.75			3529.77	
Anchor	32.00			3561.77	
Recorder	1.00	8875	Inside	3562.77	
Recorder	1.00	8938	Outside	3563.77	
Bull Plug	3.00			3566.77	74.77 Anchor Tool

Total Tool Length: 102.77



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FLUID SUMMARY

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ATTN: Rene Husted

19-19s18w Barton
Kufeld #1-19
Job Ticket: **DST#: 10**
Test Start: 2014.09.15 @ 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: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8400.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length: ft Total Volume: 14.729 bbl

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

Laboratory Name: Laboratory Location:

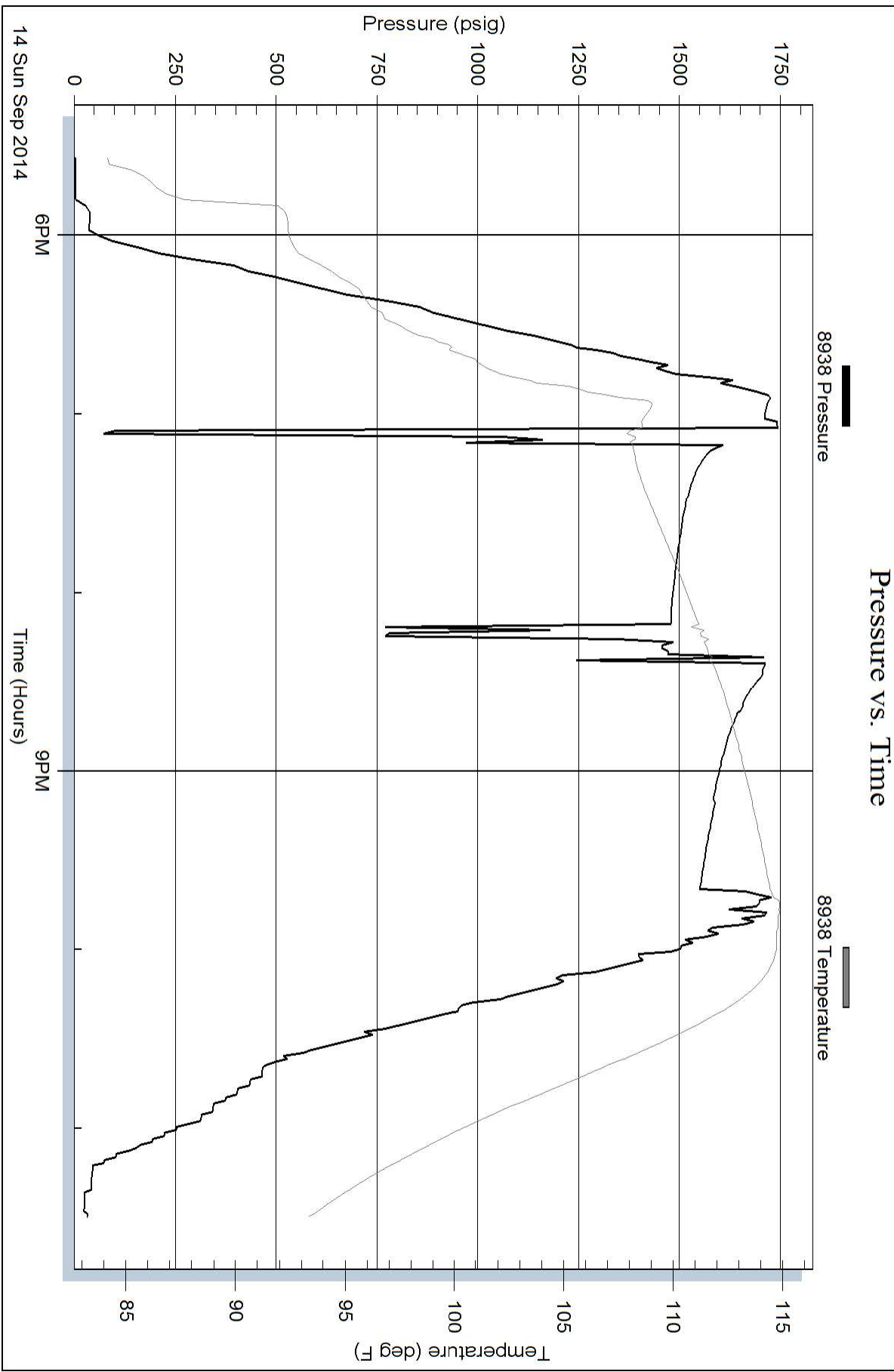
Recovery Comments:

Serial #: 8938

Outside F.G. Holl Company LLC

Kufeld #1-19

DST Test Number: 10



Triobite Testing, Inc

Ref. No:

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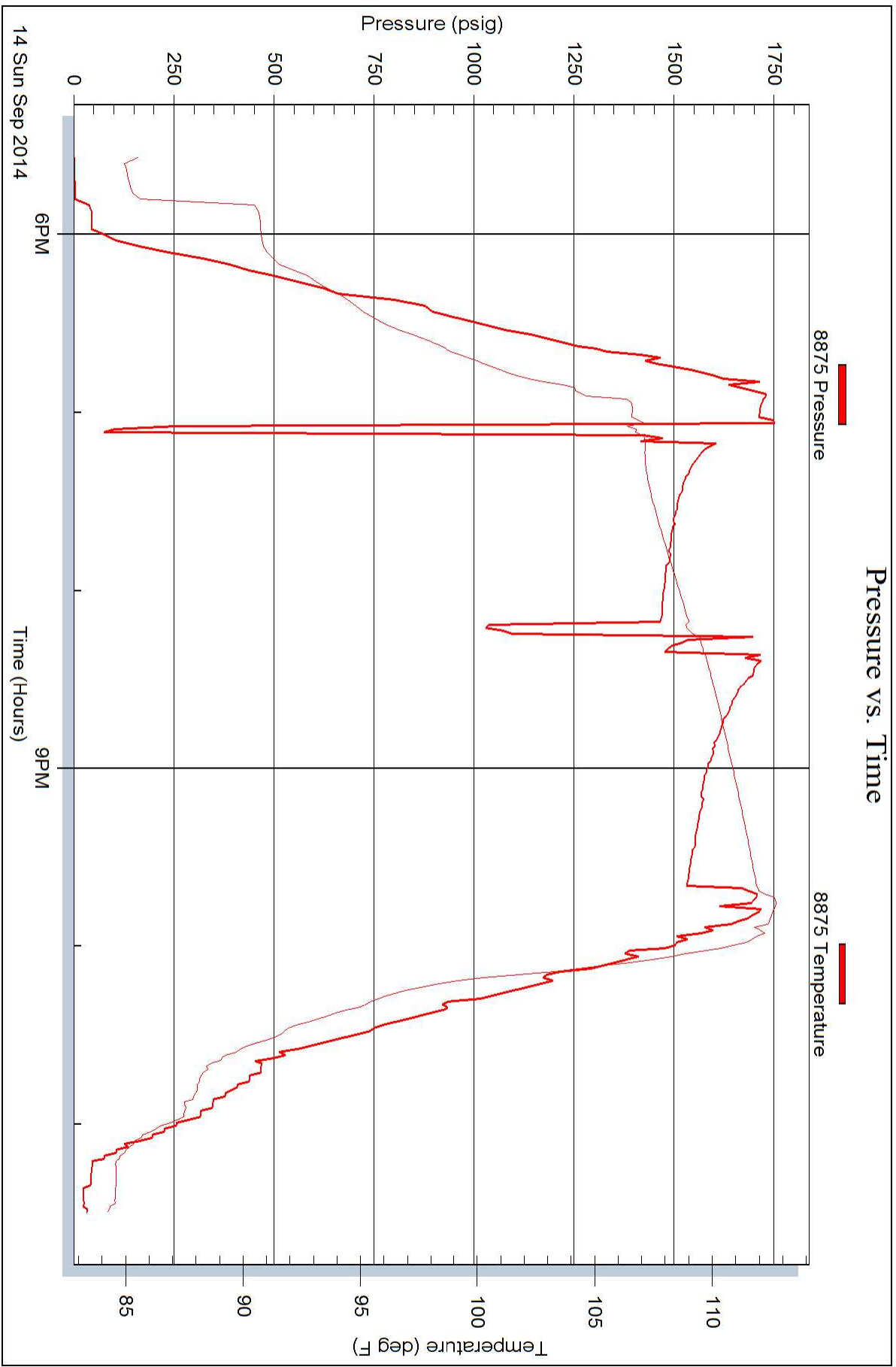
Serial #: 8875

Inside

F.G. Holl Company LLC

Kufeld #1-19

DST Test Number: 10



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