

DRILL STEM TEST REPORT

Prepared For: **Ainsworth Operating Co**
4676 Commerical St Ste. 412
Salem, OR 97302

ATTN: Randy Kilian

33-15-25 Trego,KS

Basinger #3

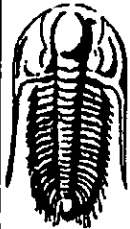
Start Date: 2011.08.19 @ 19:13:42

End Date: 2011.08.20 @ 03:28:42

Job Ticket #: 43785 DST #: 1

RECEIVED
APR 16 2012
KCC WICHITA

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Ainsworth Operating Co

Basinger #3

4676 Commerical St Ste. 412
Salem, OR 97302

33-15-25 Trego, KS

Job Ticket: 43785

DST#: 1

ATTN: Randy Kilian

Test Start: 2011.08.19 @ 19:13:42

GENERAL INFORMATION:

Formation: **Miss**

Deviated: **No** Whipstock ft (KB)

Time Tool Opened: 21:51:12

Time Test Ended: 03:28:42

Test Type: Conventional Straddle

Tester: Brian Fairbank

Unit No: 46

Interval: **4385.00 ft (KB) To 4404.00 ft (KB) (TVD)**

Total Depth: 4385.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2460.00 ft (KB)

2455.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 90.92 psig @ 4386.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.19

End Date: 2011.08.20

Last Calib.: 2011.08.20

Start Time: 19:13:47

End Time: 03:28:41

Time On Btm: 2011.08.19 @ 21:50:12

Time Off Btm: 2011.08.20 @ 01:31:42

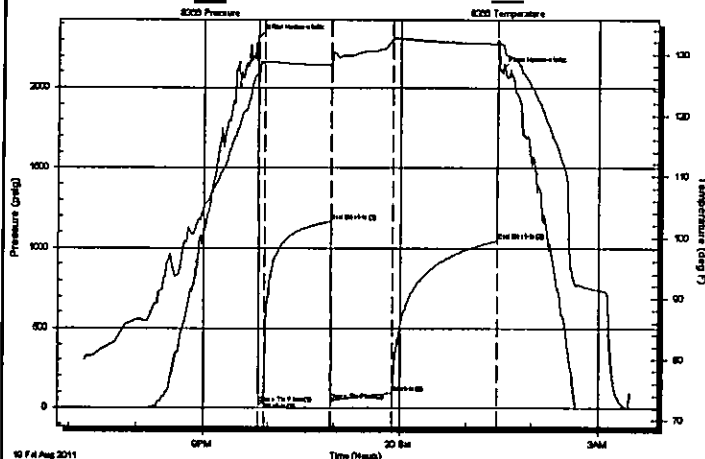
TEST COMMENT: IFP - weak blow throughout sur - 1 1/4"

ISI - no blow back

FFP - weak blow throughout no blow 7 min - 3"

FSI - no blow back

Pressure vs. Time



PRESSURE SUMMARY

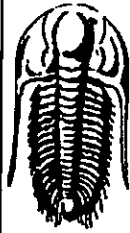
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2312.51	126.54	Initial Hydro-static
1	27.90	126.38	Open To Flow (1)
6	36.29	128.66	Shut-In(1)
67	1167.14	128.34	End Shut-In(1)
67	44.02	127.85	Open To Flow (2)
123	90.92	132.46	Shut-In(2)
219	1047.11	131.81	End Shut-In(2)
222	2109.29	131.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
140.00	MV 70%W, 30%M	0.69
5.00	FREE OIL 95%O, 5%M	0.02

Gas Rates

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



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TESTING, INC**

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TOOL DIAGRAM

Ainsworth Operating Co
4676 Commerical St Ste. 412
Salem, OR 97302

Basinger #3

33-15-25 Trego,KS

Job Ticket: 43785

DST#: 1

ATTN: Randy Kilian

Test Start: 2011.08.19 @ 19:13:42

Tool Information

Drill Pipe:	Length: 4227.00 ft	Diameter: 3.80 inches	Volume: 59.29 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 150.00 ft	Diameter: 2.25 inches	Volume: 0.74 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 60.03 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4385.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	4404.00 ft			
Interval between Packers:	19.00 ft			
Tool Length:	92.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4365.00	
Shut In Tool	5.00			4370.00	
Hydraulic tool	5.00			4375.00	
Packer	5.00			4380.00	21.00 Bottom Of Top Packer
Packer	5.00			4385.00	
Stubb	1.00			4386.00	
Recorder	0.00	8366	Inside	4386.00	
Recorder	0.00	8320	Outside	4386.00	
Perforations	13.00			4399.00	
Blank Off Sub	1.00			4400.00	
Blank Spacing	4.00			4404.00	19.00 Tool Interval
Packer	5.00			4409.00	
Stubb	1.00			4410.00	
Recorder	0.00	8671	Below	4410.00	
Perforations	13.00			4423.00	
Change Over Sub	1.00			4424.00	
Blank Spacing	32.00			4456.00	52.00 Bottom Packers & Anchor
Total Tool Length:	92.00				



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FLUID SUMMARY

Ainsworth Operating Co

Basinger #3

4676 Commerical St Ste. 412
Salem, OR 97302

33-15-25 Trego,KS

Job Ticket: 43785

DST#: 1

ATTN: Randy Kilian

Test Start: 2011.08.19 @ 19:13:42

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

23000 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in*

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	MW 70%W, 30%M	0.688
5.00	FREE OIL 95%O, 5%M	0.025

Total Length: 145.00 ft Total Volume: 0.713 bbl

Num Fluid Samples: 0

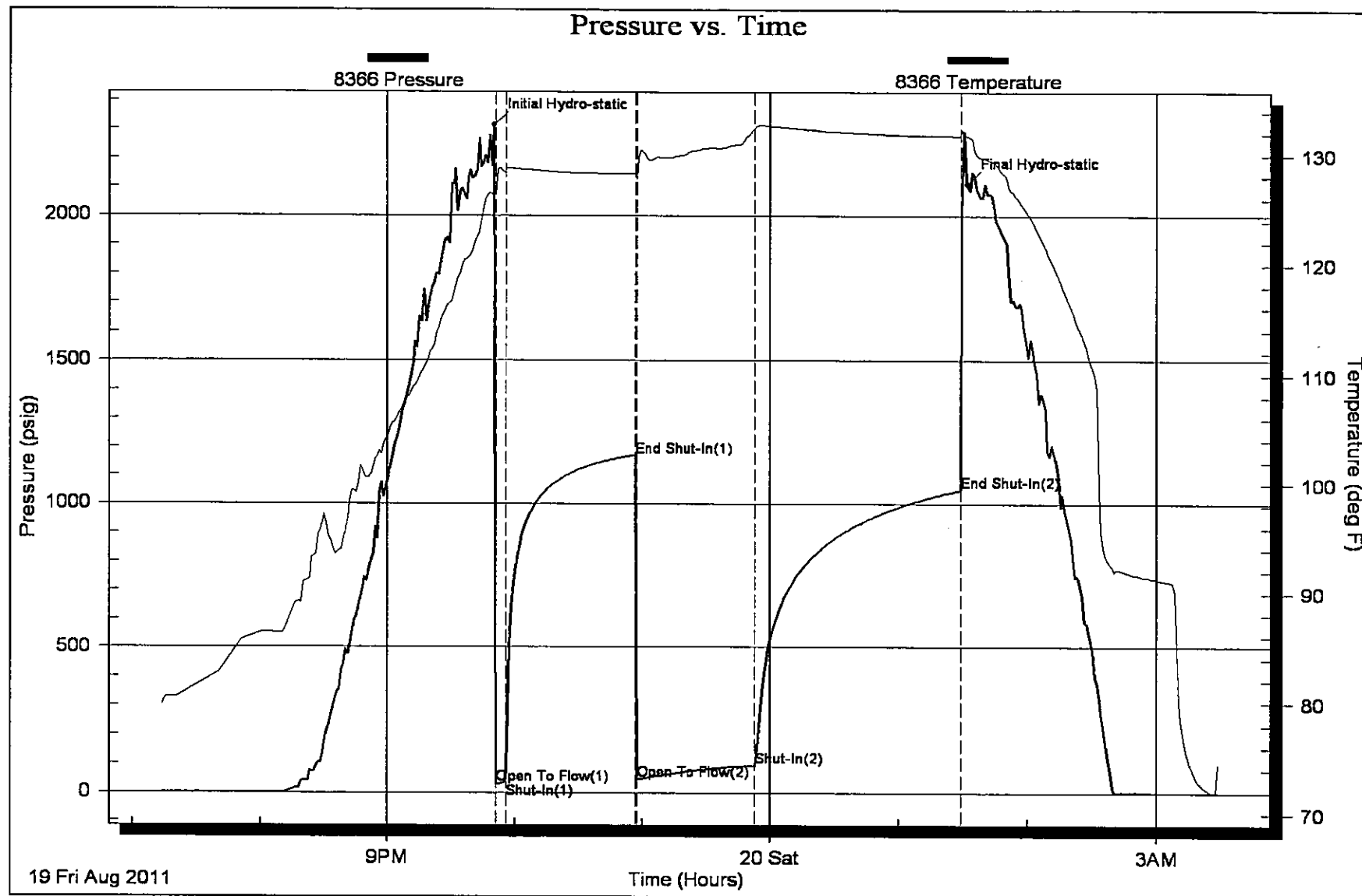
Num Gas Bombs: 0

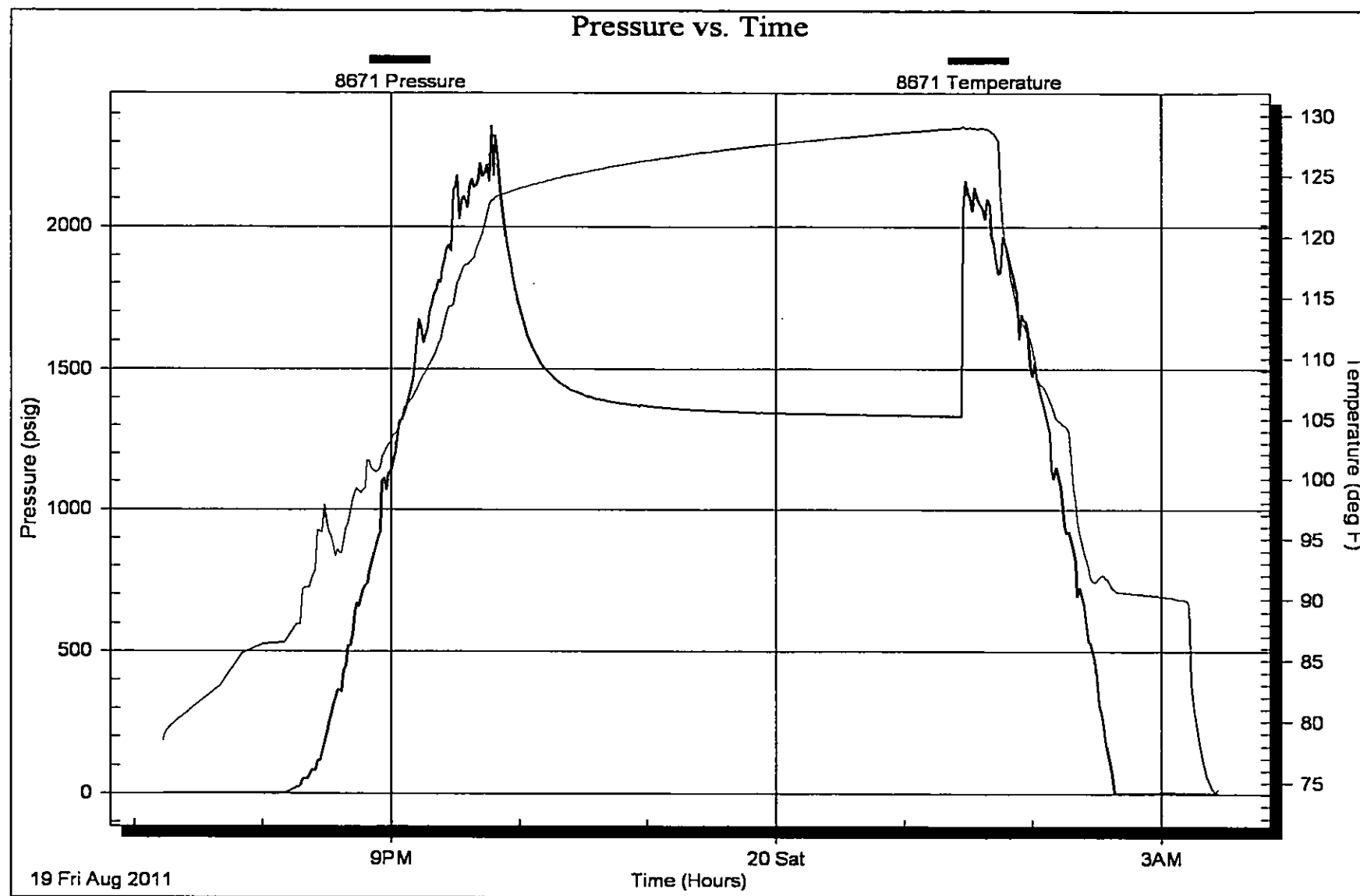
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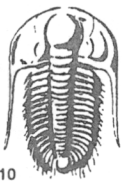
Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

AUG 22 2011

Test Ticket

NO. 43785 16196

4/10

BY: _____

Well Name & No. Basinger #3 Test No. 1 Date 8-19-11

Company Ainsworth Operating Co Elevation 2460 KB 2455 GL

Address 4676 Commercial St Se #412 Salem, Or 97302

Co. Rep / Geo. Randy Kifer Rig Martin 16

Location: Sec. 33 Twp. 15 Rge. 25 Co. Trego State K

Interval Tested 4385-4404 Zone Tested M:W

Anchor Length 19 Drill Pipe Run 4227 Mud Wt. 9.4

Top Packer Depth 4380 Drill Collars Run 150 Vis 63

Bottom Packer Depth 4385 Wt. Pipe Run — WL 9.2

Total Depth 4451 Chlorides 3000 ppm System LCM —

Blow Description IFP - weak blow throughout sur - 1 1/4"

ISI - no blow back

FFP - weak blow throughout no blow 7 min - 3"

FSD - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Free oil</u>		<u>95</u>		<u>5</u>
<u>140</u>	<u>MW</u>			<u>70</u>	<u>30</u>

Rec Total 145 BHT 132 Gravity 38 API RW. 305 @ 72 °F Chlorides 23,000 ppm

(A) Initial Hydrostatic 2313 Test 1225 T-On Location 1841

(B) First Initial Flow 28 Jars 250 T-Started 1913

(C) First Final Flow 36 Safety Joint 75 T-Open 2150

(D) Initial Shut-In 1167 Circ Sub _____ T-Pulled 0125

(E) Second Initial Flow 44 Hourly Standby _____ T-Out 0325

(F) Second Final Flow 91 Mileage 145 RT 203 Comments _____

(G) Final Shut-In 1047 Sampler _____

(H) Final Hydrostatic 2109 Straddle 600 Ruined Shale Packer _____

Shale Packer _____ Ruined Packer _____

Initial Open 5 Extra Packer _____ Extra Copies _____

Initial Shut-In 60 Extra Recorder _____ Sub Total 0

Final Flow 60 Day Standby _____ Total 2353

Final Shut-In 90 Accessibility _____ MP/DST Disc't _____

Sub Total 2353

Approved By _____ Our Representative Brian Farbank

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