



DRILL STEM TEST REPORT

Prepared For: **Herman L Loeb, LLC**

PO Box 838
Lawrenceville, IL 62439

ATTN: Kurt Talbott

Stoskopf #4-28

28-17s-13w Barton,KS

Start Date: 2012.05.28 @ 13:13:15

End Date: 2012.05.28 @ 21:10:45

Job Ticket #: 47491 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.05.30 @ 10:10:18

Herman L Loeb, LLC
28-17s-13w Barton,KS
Stoskopf #4-28
DST # 1
Arbuckle
2012.05.28



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Herman L Loeb, LLC
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 ATTN: Kurt Talbott

28-17s-13w Barton,KS
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Tool Information

Drill Pipe:	Length: 3224.00 ft	Diameter: 3.80 inches	Volume: 45.22 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 46.25 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	3426.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3411.00	
Hydraulic tool	5.00			3416.00	
Packer	5.00			3421.00	20.00 Bottom Of Top Packer
Packer	5.00			3426.00	
Stubb	1.00			3427.00	
Recorder	0.00	6798	Inside	3427.00	
Recorder	0.00	8367	Outside	3427.00	
Perforations	30.00			3457.00	
Bullnose	3.00			3460.00	34.00 Bottom Packers & Anchor
Total Tool Length:	54.00				



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FLUID SUMMARY

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 PO Box 838
 Lawrenceville, IL 62439
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28-17s-13w Barton,KS
Stoskopf #4-28
 Job Ticket: 47491 **DST#: 1**
 Test Start: 2012.05.28 @ 13:13:15

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:	39000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5500.00 ppm			
Filter Cake: 0.20 inches			

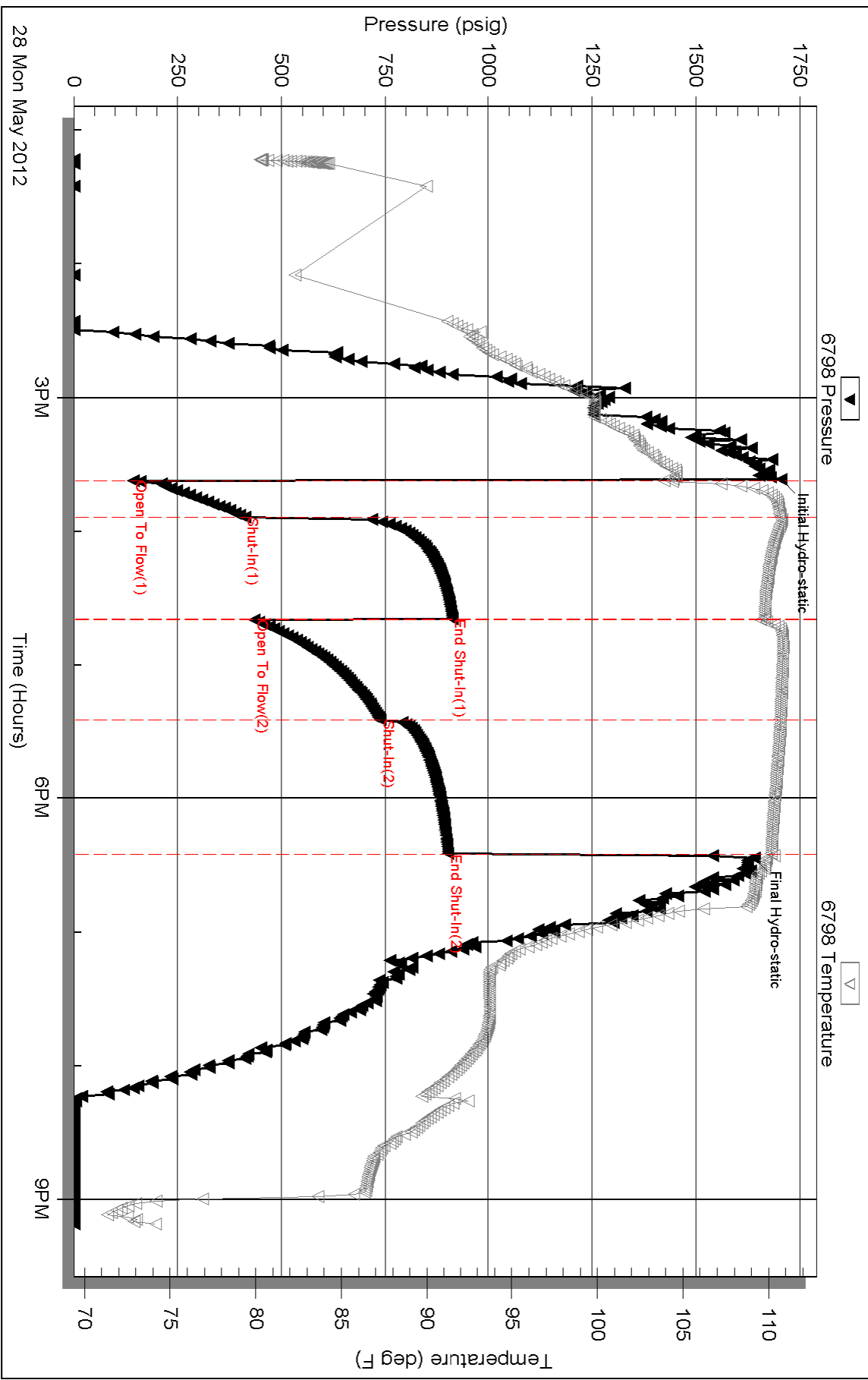
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
682.00	Water	7.654
670.00	OMCW 10%O 40%M 50%W	9.398
248.00	OWCM 10%O 30%W 60%M	3.479
2.00	Oil	0.028

Total Length: 1602.00 ft Total Volume: 20.559 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW w as .15 @ 85 degrees

Pressure vs. Time

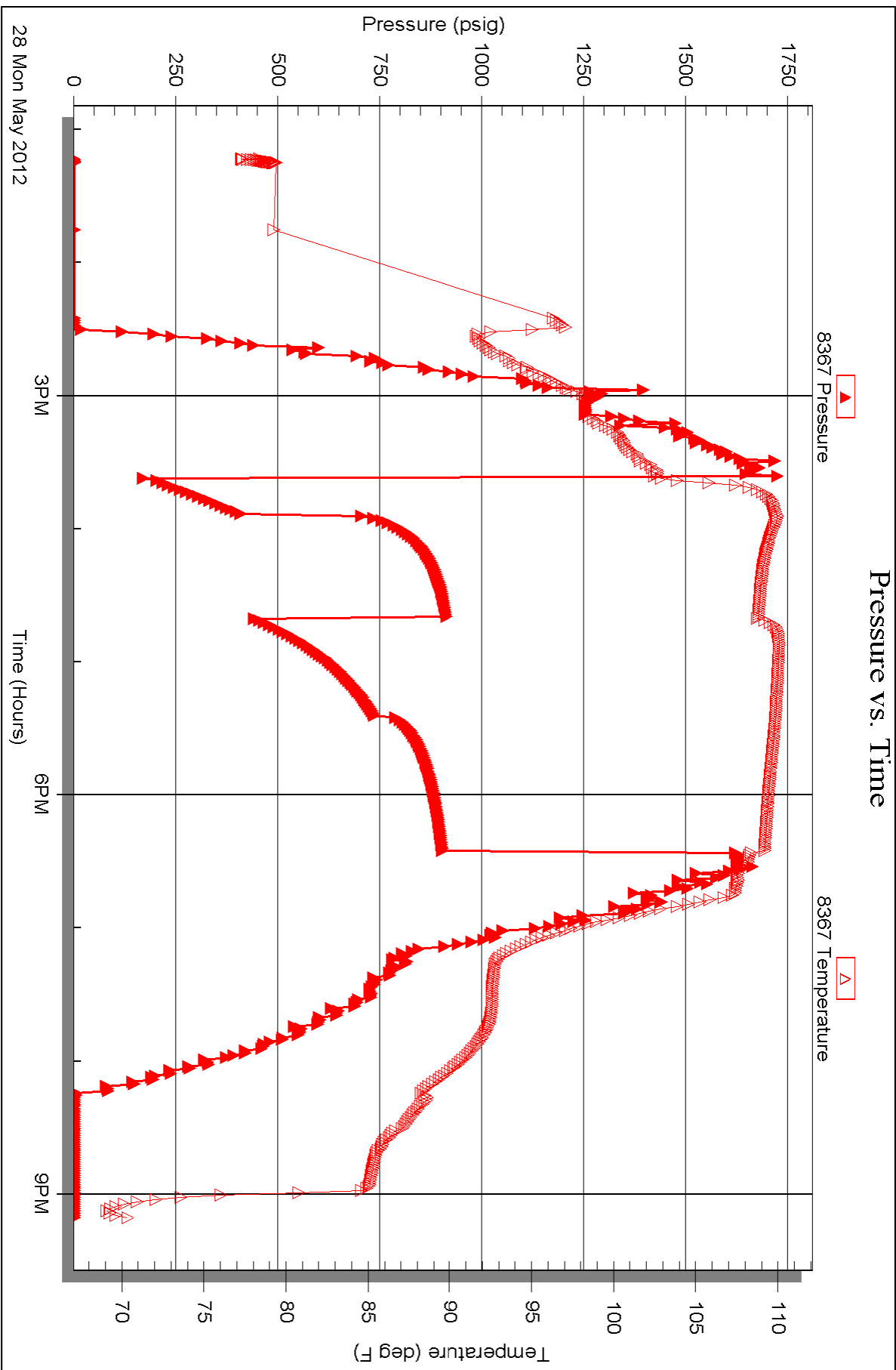


Serial #: 8367

Outside Herrman L Loeb, LLC

Stoskopf #4-28

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 47491

Printed: 2012.05.30 @ 10:10:24



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47491

Well Name & No. Stoskopf 4-28 Test No. 1 Date 05/28/12
 Company Herman L Loeb, LLC Elevation 1971 KB 1962 GL
 Address PO Box 838 Lawrenceville, IL 62439
 Co. Rep / Geo. Kurt Talbot Rig Sterling 4
 Location: Sec. 28 Twp. 17S Rge. 13W Co. Barton State KS

Interval Tested 3426 - 3460 Zone Tested Arbuck 1st
 Anchor Length 34 Drill Pipe Run 3224 Mud Wt. 9.4
 Top Packer Depth 3421 Drill Collars Run 210 Vis 49
 Bottom Packer Depth 3426 Wt. Pipe Run 0 WL 10.0
 Total Depth 3460 Chlorides 5500 ppm System LCM

Blow Description IF: Strong Blow, BOB in 2 minutes

ISI: NO Blow Back

FF: Strong Blow, BOB in 2 minutes

FST: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>oil</u>				
<u>248</u>	<u>OWCM</u>		<u>10</u>	<u>30</u>	<u>60</u>
<u>670</u>	<u>OMCW</u>		<u>10</u>	<u>50</u>	<u>40</u>
<u>682</u>	<u>water</u>				

Rec Total 1602 BHT 110 Gravity N/C API RW .15 @ 85 °F Chlorides 39000 ppm

(A) Initial Hydrostatic 1706 Test 1150 T-On Location 12:15
 (B) First Initial Flow 143 Jars T-Started 13:13
 (C) First Final Flow 412 Safety Joint T-Open 15:37
 (D) Initial Shut-In 913 Circ Sub T-Pulled 18:25
 (E) Second Initial Flow 435 Hourly Standby T-Out 21:10
 (F) Second Final Flow 738 Mileage 120 186 Comments _____
 (G) Final Shut-In 902 Sampler _____
 (H) Final Hydrostatic 1640 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 15 Extra Packer _____
 Initial Shut-In 45 Extra Recorder _____
 Final Flow 45 Day Standby _____
 Final Shut-In 60 Accessibility _____
 Sub Total 1336 MP/DST Disc't _____

Approved By

Kristallos

Our Representative

[Signature]

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