

ALLIED OIL & GAS SERVICES, LLC 054795

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell KS

DATE <u>10-1-13</u>	SEC. <u>2</u>	TWP. <u>12</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START <u>6:30pm</u>	JOB FINISH <u>7:00pm</u>
Walters NW LEASE	WELL# <u>1</u>	LOCATION <u>Hays 6N 1E 13/4 NE in 10</u>			COUNTY <u>Ellis</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (Circle one)							

CONTRACTOR Landmark Drilling #5
 TYPE OF JOB PTA
 HOLE SIZE 7 7/8 T.D. 3691
 CASING SIZE DEPTH
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 16.6 DEPTH 3671
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT

OWNER

CEMENT

AMOUNT ORDERED 2.55 60/40 43 gal 1/4" 210

EQUIPMENT
 PUMP TRUCK CEMENTER Glenn G
 # 417 HELPER Woody O
 BULK TRUCK
 # 473 DRIVER Danny S
 BULK TRUCK
 # DRIVER

COMMON	<u>153</u>	@	<u>17.90</u>	<u>2738.70</u>
POZMIX	<u>102</u>	@	<u>9.35</u>	<u>953.70</u>
GEL	<u>8.77</u>	@	<u>23.40</u>	<u>205.22</u>
CHLORIDE		@		
ASC		@		
<u>Flo</u>	<u>50#</u>	@	<u>2.97</u>	<u>148.50</u>
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>277</u>	@	<u>2.48</u>	<u>686.96</u>
MILEAGE	<u>80.5875</u>	@	<u>2.60</u>	<u>209.53</u>
				TOTAL <u>4942.61</u>

REMARKS:

p1 50sk @ 3671
p2 25sk @ 1390
p3 100sk @ 780
p4 40sk @ 260
p5 10sk @ 40
30sk in Rathole

Thank you!!!

CHARGE TO: Bill Bowman Oil Co.
 STREET _____
 CITY _____ STATE _____ ZIP _____


SERVICE

DEPTH OF JOB	<u>3671</u>		
PUMP TRUCK CHARGE	<u>2600.47</u>		
EXTRA FOOTAGE	@		
MILEAGE	<u>7</u>	@	<u>7.70</u> <u>53.90</u>
MANIFOLD	@		
	<u>7</u>	@	<u>4.40</u> <u>30.80</u>
		@	
TOTAL <u>2685.17</u>			

PLUG & FLOAT EQUIPMENT

<u>8 5/8 Wooden plug</u>	@	<u>64.80</u>	<u>64.80</u>
	@		
	@		
	@		
TOTAL <u>64.80</u>			

SALES TAX (If Any) _____
 TOTAL CHARGES 7692.58
 DISCOUNT 1525.56 IF PAID IN 30 DAYS
\$ 6167.02

PRINTED NAME _____
 SIGNATURE 

ALL PRICES ARE NET PAYABLE
 30 DAYS FOLLOWING DATE OF
 INVOICE 1 VES CHARGED
 THEREAFTER IF ACCOUNT IS
 CURRENT TAKE DISCOUNT
 ONLY IF PAID ON OR BEFORE
 01/28/2014

SCHIPPER'S OIL FIELD SERVICES, L.L.C.

1110

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Russell, KS - Horie, KS

9-24-13
DATE 9-25-13 SEC. 2 TWP. 12 RANGE 18 CALLED OUT _____ ON LOCATION _____ JOB START 11:45 am JOB FINISH 12:15 am
LEASE Walter's WELL #. 1 LOCATION _____ COUNTY Ellis STATE KS
OLD OR NEW (CIRCLE ONE)

CONTRACTOR Landmark #5
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 211
CASING SIZE 8 5/8 DEPTH 212.37
TUBING SIZE _____ DEPTH _____
DRILL PIPE _____ DEPTH _____
TOOL _____ DEPTH _____
PRES. MAX 800ps MINIMUM 100ps
MEAS. LINE _____ SHOE JOINT _____
CEMENT LEFT IN CSG. 20ft
PERFS _____
DISPLACEMENT 12 1/2 bbl
EQUIPMENT _____
PUMP TRUCK # P1 CEMENTER Heath HELPER Cody
BULK TRUCK # B1 DRIVER Jay
BULK TRUCK # _____ DRIVER _____

OWNER _____
CEMENT AMOUNT ORDERED 150 sx com 3%CC 2%gel

COMMON _____ @ _____
POZMIX _____ @ _____
GEL _____ @ _____
CHLORIDE _____ @ _____
ASC _____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
HANDLING _____ @ _____
MILEAGE _____ @ _____
TOTAL _____

REMARKS:
Run 5 Hs of 8 5/8 casing and landing it
Est circulation with mud pump
Hooked up and mix 150sx and disp 12 1/2 bbl
cement did circulate!!

CHARGE TO: Bill Bowman oil
STREET _____
CITY _____ STATE _____ ZIP _____

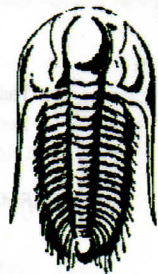
Schippers Oil Field Services, L.L.C.,
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Scott Edwards
SIGNATURE Scott Edwards

SERVICE
DEPTH OF JOB _____
PUMP TRUCK CHARGE _____
EXTRA FOOTAGE _____ @ _____
MILEAGE _____ @ _____
MANIFOLD _____ @ _____
_____ @ _____
TOTAL _____

PLUG & FLOAT EQUIPMENT
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
TOTAL _____

SALES TAX (If Any) _____
TOTAL CHARGES _____
DISCOUNT _____ IF PAID IN 30 DAYS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **The Bill Bowman Oil Co**

2640 W Rd
Natoma, KS 67651

ATTN: Ed Glassman

Walters NW #1

2-12s-18w Ellis,KS

Start Date: 2013.10.01 @ 01:00:56

End Date: 2013.10.01 @ 09:25:56

Job Ticket #: 54832 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.03 @ 10:29:16

The Bill Bowman Oil Co 2-12s-18w Ellis,KS Walters NW #1 DST # 1 Arbuckle 2013.10.01



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

The Bill Bowman Oil Co

2-12s-18w Ellis, KS

2640 W Rd
Natoma, KS 67651

Walters NW #1

Job Ticket: 54832

DST#: 1

ATTN: Ed Glassman

Test Start: 2013.10.01 @ 01:00:56

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:24:36

Time Test Ended: 09:25:56

Test Type: Conventional Bottom Hole (Initial)

Tester: Tate Lang/ Tim Phill

Unit No: 49

Interval: 3620.00 ft (KB) To 3692.00 ft (KB) (TVD)

Total Depth: 3692.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2129.00 ft (KB)

2121.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8898

Outside

Press@RunDepth: 44.57 psig @ 3624.00 ft (KB)

Start Date: 2013.10.01

End Date:

2013.10.01

Capacity: 8000.00 psig

Last Calib.: 2013.10.01

Start Time: 01:00:57

End Time:

09:25:56

Time On Btm: 2013.10.01 @ 04:24:26

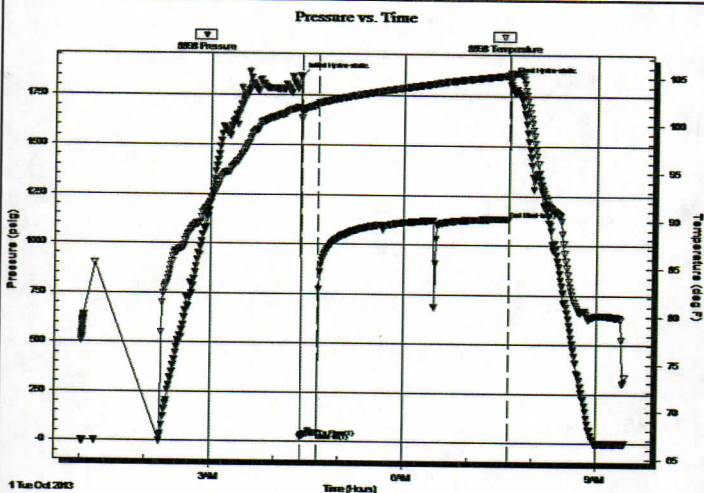
Time Off Btm: 2013.10.01 @ 07:38:35

TEST COMMENT: IFP- Fair surface blow built to 5"

ISI- No Blow Back

FF- Dead no blow

FSI- No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1844.18	101.57	Initial Hydro-static
1	21.56	100.58	Open To Flow (1)
16	44.57	102.03	Shut-In(1)
194	1132.83	105.22	End Shut-In(1)
195	1828.25	105.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	VSWCM 5%W 95%M	0.80

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

The Bill Bowman Oil Co
 2640 W Rd
 Natoma, KS 67651
 ATTN: Ed Glassman

2-12s-18w Ellis,KS

Walters NW #1

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Total Depth: 3692.00 ft (KB) (TVD)

Hole Diameter: 7.88 inchesHole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Tester: Tate Lang/ Tim Phill

Unit No: 49

Reference Elevations: 2129.00 ft (KB)

2121.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8897

Inside

Press@RunDepth: psig @ 3624.00 ft (KB)

Start Date: 2013.10.01 End Date: 2013.10.01

Start Time: 01:00:36 End Time: 09:25:35

Capacity: 8000.00 psig

Last Calib.: 2013.10.01

Time On Btm:

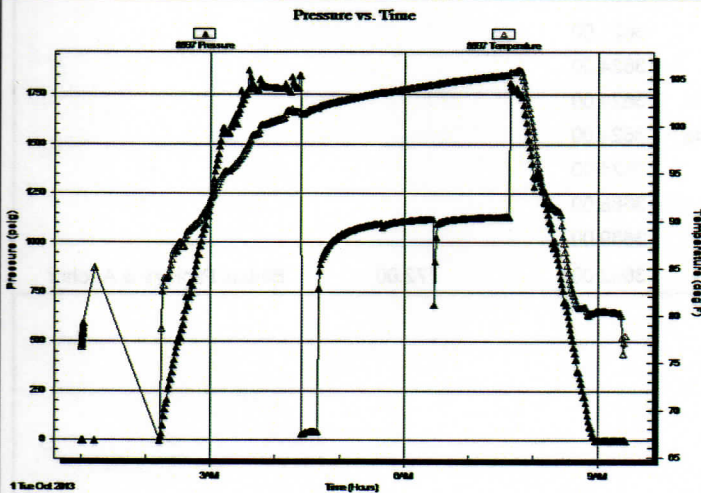
Time Off Btm:

TEST COMMENT: IFP- Fair surface blow built to 5"

ISI- No Blow Back

FF- Dead no blow

FSI- No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
75.00	VSWCM 5%W 95%M	0.80

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

The Bill Bowman Oil Co

2-12s-18w Ellis, KS

2640 W Rd
Natoma, KS 67651

Walters NW #1

Job Ticket: 54832

DST#: 1

ATTN: Ed Glassman

Test Start: 2013.10.01 @ 01:00:56

Tool Information

Drill Pipe:	Length: 3577.00 ft	Diameter: 3.80 inches	Volume: 50.18 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: 28.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 50.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3620.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	92.00 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			3605.00	
Hydraulic tool	5.00			3610.00	
Packer	5.00			3615.00	20.00 Bottom Of Top Packer
Packer	5.00			3620.00	
Stubb	1.00			3621.00	
Perforations	3.00			3624.00	
Recorder	0.00	8897	Inside	3624.00	
Recorder	0.00	8898	Outside	3624.00	
Change Over Sub	1.00			3625.00	
Drill Pipe	63.00			3688.00	
Change Over Sub	1.00			3689.00	
Bullnose	3.00			3692.00	72.00 Bottom Packers & Anchor

Total Tool Length: 92.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

The Bill Bowman Oil Co

2-12s-18w Ellis, KS

2640 W Rd
Natoma, KS 67651

Walters NW #1

Job Ticket: 54832

DST#: 1

ATTN: Ed Glassman

Test Start: 2013.10.01 @ 01:00:56

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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.35 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

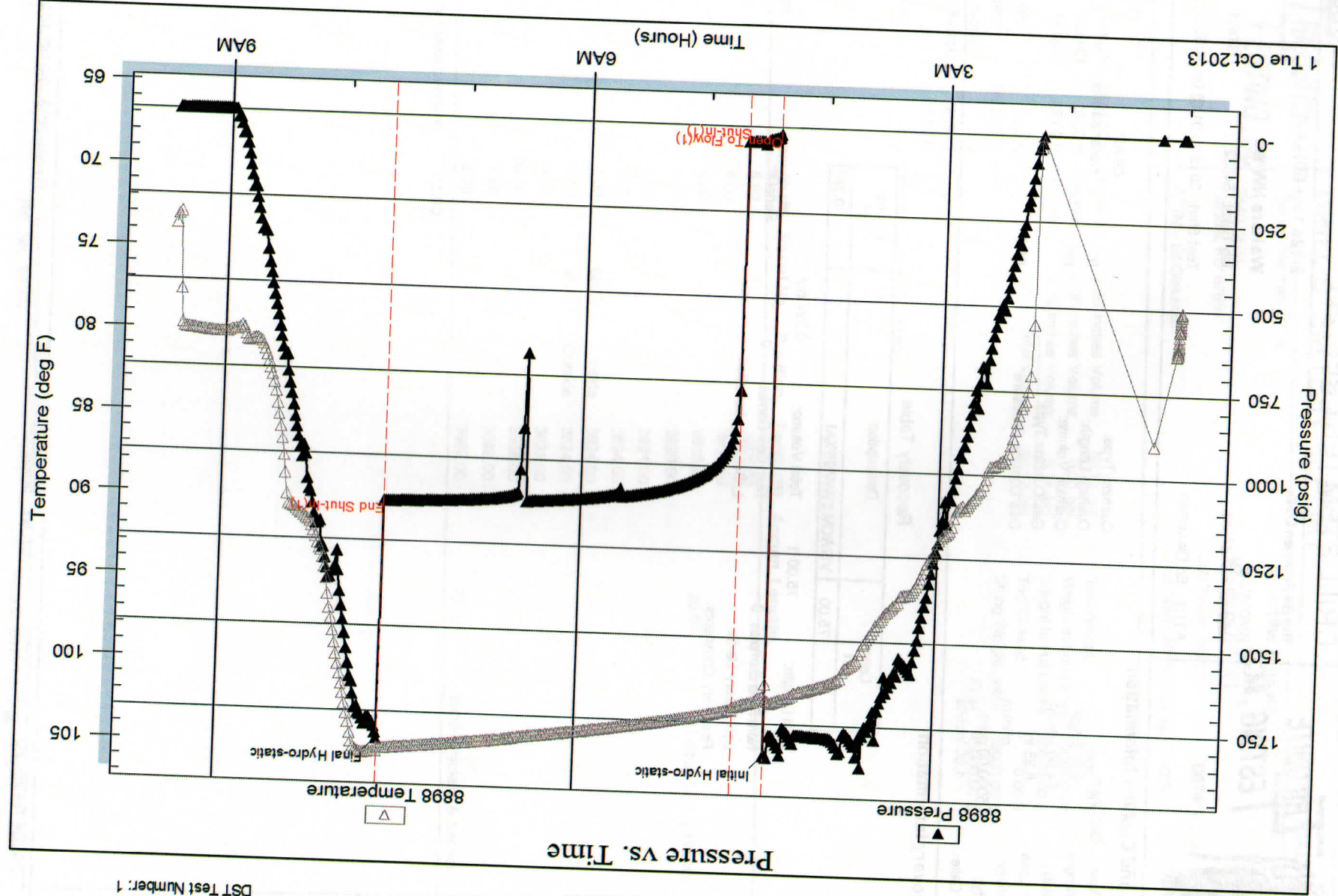
Length ft	Description	Volume bbl
75.00	VSWCM 5%W 95%M	0.797

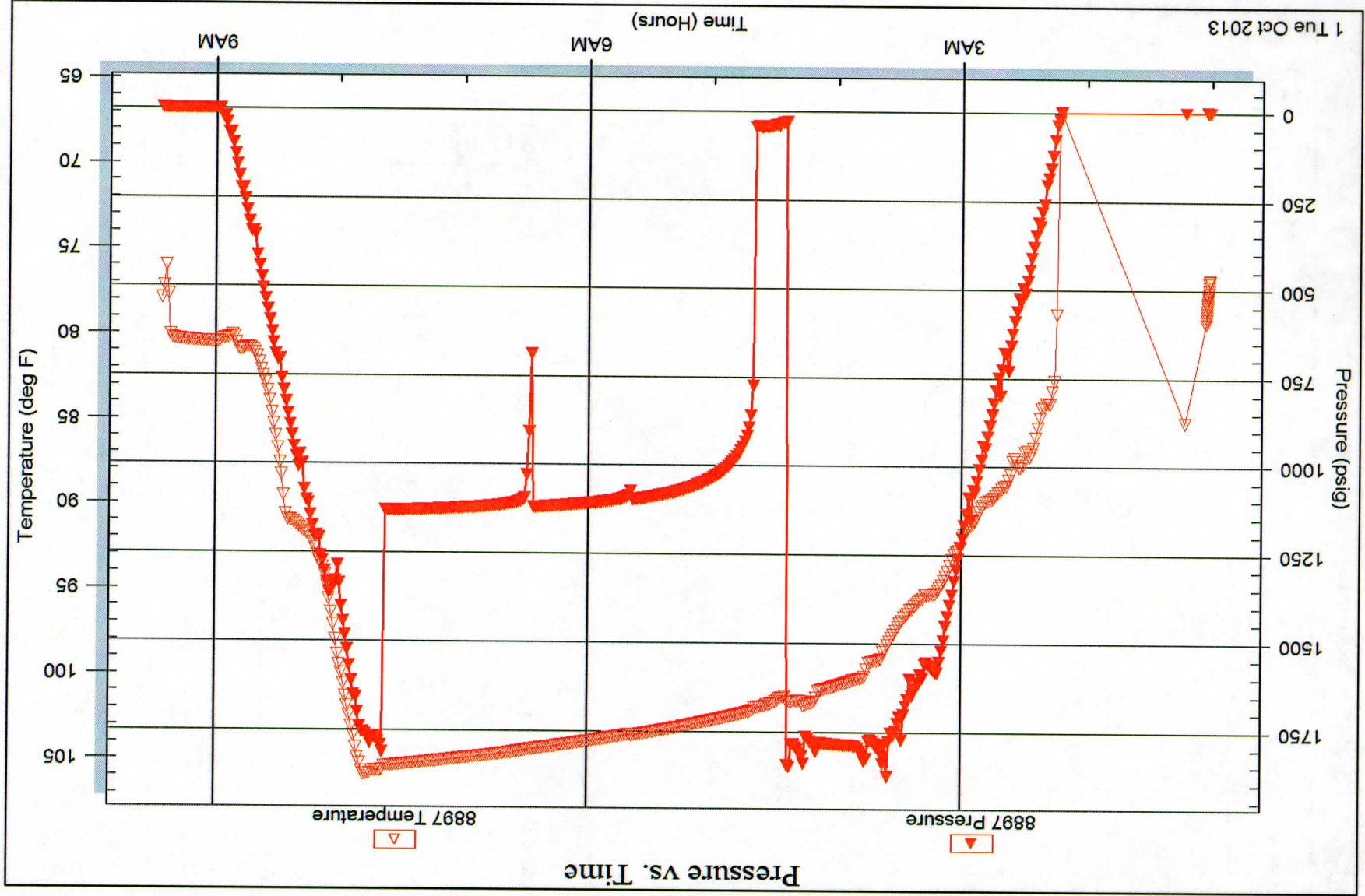
Total Length: 75.00 ft Total Volume: 0.797 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





Serial #: 8897 Inside The Bill Bowman Oil Co Walters NW #1 DST Test Number: 1

Pressure vs. Time

8897 Temperature

8897 Pressure