

DRILL STEM TEST REPORT

Prepared For: **Craig Oil Company**

15 South Main
Russell Ks, 67665-2901

ATTN: Jeff Lawler

Brack A-B #1

8/15s/12w/Russell

Start Date: 2013.09.03 @ 16:15:00

End Date: 2013.09.03 @ 23:41:00

Job Ticket #: 18491 DST #: 1

KCC WICHITA

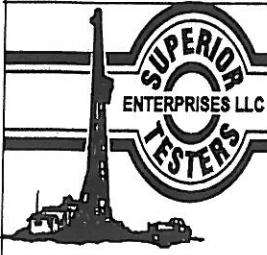
APR 18 2014

RECEIVED

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2013.09.03 @ 00:06:34

Craig Oil Company
8/15s/12w/Russell
Brack A-B #1
DST # 1
LKC "A-D"
2013.09.03



DRILL STEM TEST REPORT

TOOL DIAGRAM

Craig Oil Company
 15 South Main
 Russell Ks, 67665-2901
 ATTN: Jeff Lawler

8/15a/12w/Russell
 Brack A-B #1
 Job Ticket: 18491 DST#: 1
 Test Start: 2013.09.03 @ 16:15:00

Tool Information

Drill Pipe:	Length: 2981.00 ft	Diameter: 3.80 inches	Volume: 41.82 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 72000.00 lb
			Total Volume: 41.82 bbl	Tool Chased 1.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	2974.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.25 ft			
Tool Length:	81.25 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			2954.00	
Shut-In Tool	5.00			2959.00	
Hydroic Tool	5.00			2964.00	
Packer	5.00			2969.00	21.00 Bottom Of Top Packer
Packer	5.00			2974.00	
Perforations	5.00			2979.00	
Change Over Sub	0.75			2979.75	
Drill Pipe	31.75			3011.50	
Change Over Sub	0.75			3012.25	
Perforations	17.00			3029.25	
Recorder	1.00	6657	Inside	3030.25	
Recorder	1.00	8405	Outside	3031.25	
Bullnose	3.00			3034.25	60.25 Bottom Packers & Anchor

Total Tool Length: 81.25

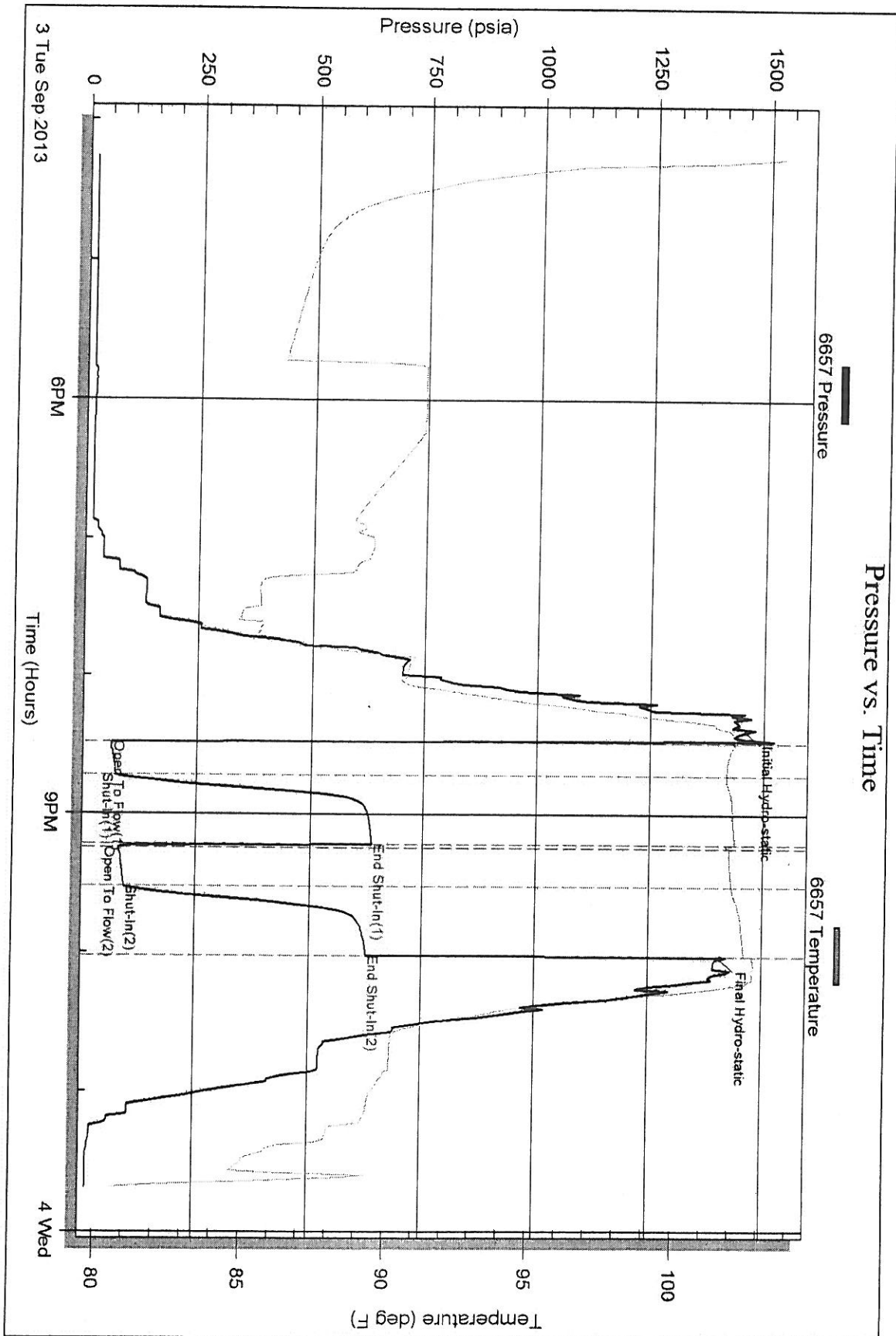
Serial #: 6657

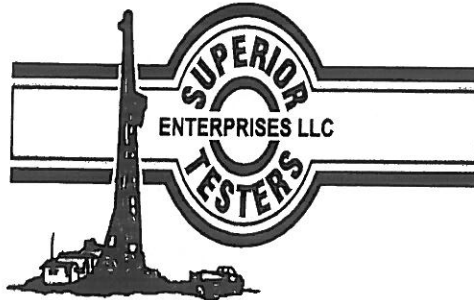
Inside

Craig Oil Company

Brack A-B #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Craig Oil Company**

15 South Main
Russell Ks, 67665-2901

ATTN: Jeff Lawler

Brack A-B #1

8/15s/12w/Russell

Start Date: 2013.09.03 @ 12:45:00

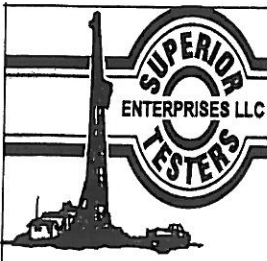
End Date: 2013.09.03 @ 18:37:30

Job Ticket #: 18492 DST #: 2

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2013.09.03 @ 18:59:52

Craig Oil Company
8/15s/12w/Russell
Brack A-B #1
DST # 2
LKC "HJ"
2013.09.03



DRILL STEM TEST REPORT

FLUID SUMMARY

Craig Oil Company
15 South Main
Russell Ks, 67665-2901
ATTN: Jeff Lawler

8/15w/12w/Russell
Brack A-B #1
Job Ticket: 18492 **DST#: 2**
Test Start: 2013.09.03 @ 12:45:00

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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 8000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	62 foot gas.	0.000
31.00	2.5% Oil, 97.5% mud.	0.435

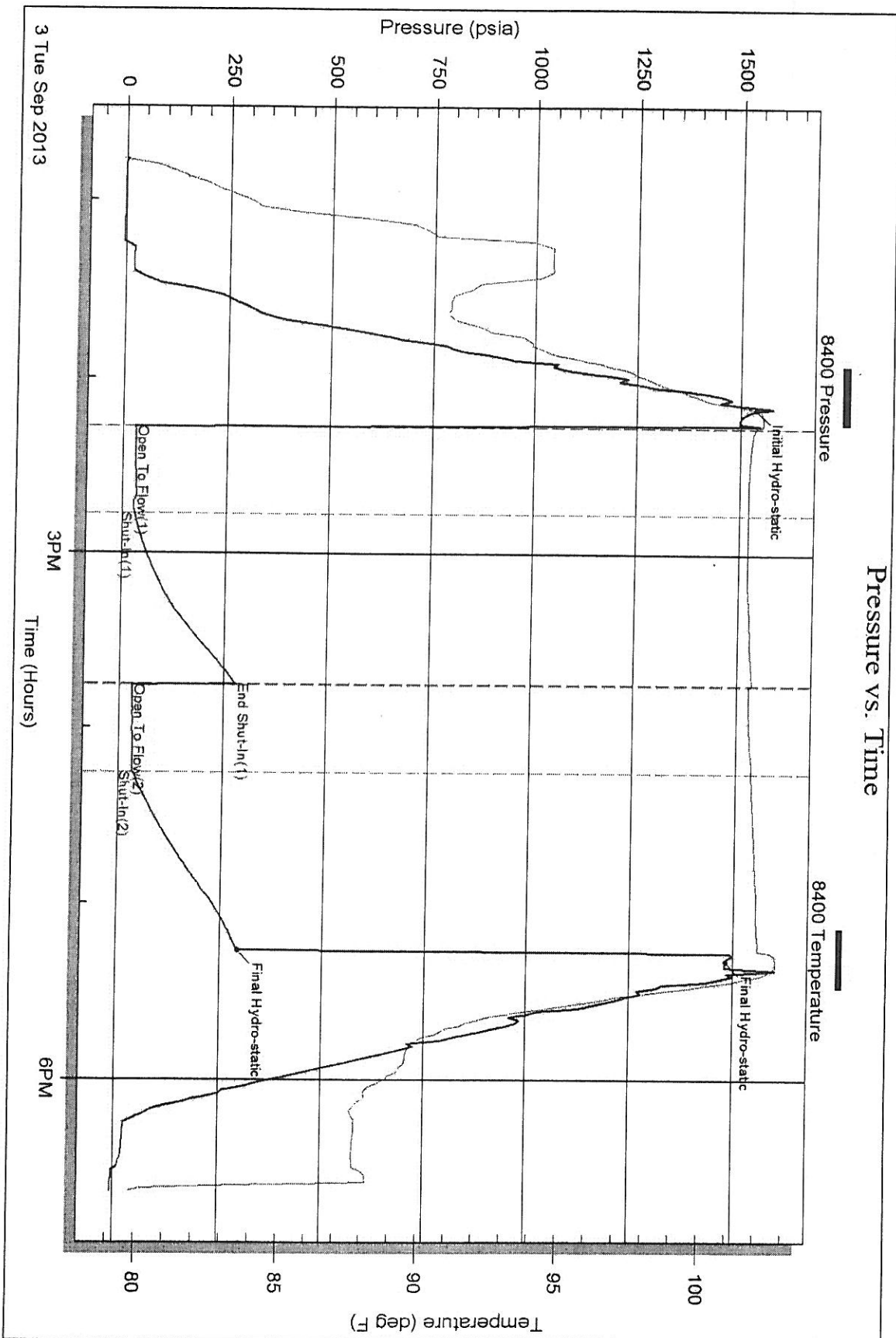
Total Length: 31.00 ft Total Volume: 0.435 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

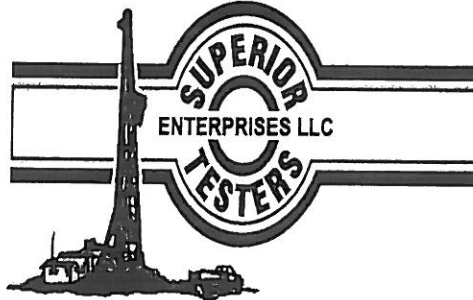
Serial #: 8400

Outside Craig Oil Company

Brack A-B #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Craig Oil Company**

15 South Main
Russell Ks, 67665-2901

ATTN: Jeff Lawler

Brack A-B #1

8/15s/12w/Russell

Start Date: 2013.09.04 @ 16:15:00

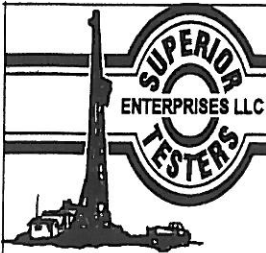
End Date: 2013.09.04 @ 22:17:00

Job Ticket #: 18493 DST #: 3

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2013.09.05 @ 00:12:53

Craig Oil Company 8/15s/12w/Russell Brack A-B #1 DST # 3 Toronto 2013.09.04



DRILL STEM TEST REPORT

FLUID SUMMARY

Craig Oil Company

8/15w/12w/Russell

15 South Main
Russell Ks, 67665-2901

Brack A-B #1

Job Ticket: 18493

DST#: 3

ATTN: Jeff Lawler

Test Start: 2013.09.04 @ 16:15:00

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: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 6800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	NO gas.	0.000
20.00	100% 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:

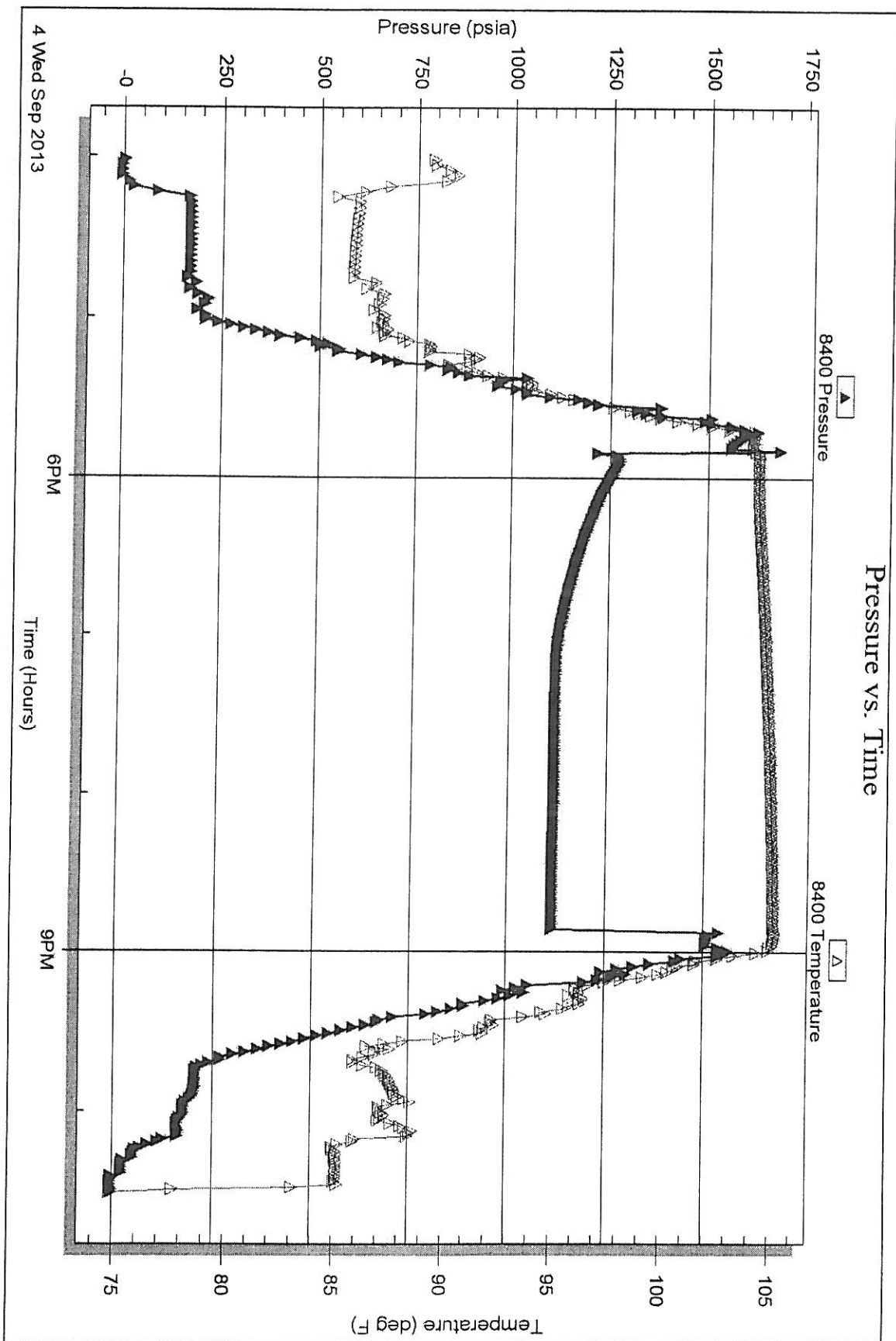
Recovery Comments:

Serial #: 8400

Craig Oil Company

Brack A-B #1

DST Test Number: 3



Superior Testers Enterprises LLC

Ref. No: 18493

Printed: 2013.09.05 @ 00:12:54