

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

RECEIVED ORIGINAL

AUG 31 2010

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

KCC WICHITA

8/30/12

OPERATOR: License # 9855  
Name: Grand Mesa Operating Company  
Address 1: 1700 N. Waterfront Pkwy, Bldg 600  
Address 2:  
City: Wichita State: KS Zip: 67206 + 5 5 1 4  
Contact Person: Ronald N. Sinclair  
Phone: ( 316 ) 265-3000  
CONTRACTOR: License # 4958  
Name: Mallard JV, Inc.  
Wellsite Geologist: Robert J. Petersen  
Purchaser: None

Designate Type of Completion:

- New Well  Re-Entry  Workover  
 Oil  WSW  SWD  SLOW  
 Gas  D&A  ENHR  SIGW  
 OG  GSW  Tamp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic  Other (Core, Expl., etc.):

If Workover/Re-entry: Old Well Info as follows:

Operator:  
Well Name:  
Original Comp. Date: Original Total Depth:  
 Deepening  Re-perf.  Conv. to ENHR  Conv. to SWD  
 Conv. to GSW  
 Plug Back: Plug Back Total Depth  
 Commingled Permit #:  
 Dual Completion Permit #:  
 SWD Permit #:  
 ENHR Permit #:  
 GSW Permit #:

08/11/2010	08/19/2010	08/19/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 135-25122-00-00  
Spot Description: 724' FNL & 2300' FWL  
NW SE NE NW Sec. 17 Twp. 16 S. R. 23  East  West  
724 Feet from  North /  South Line of Section  
2,300 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Ness  
Lease Name: Higbee Well #: 1-17  
Field Name: Wildcat  
Producing Formation: None  
Elevation: Ground: 2490' Kelly Bushing: 2495'  
Total Depth: 4530' Plug Back Total Depth: N/A  
Amount of Surface Pipe Set and Cemented at: 5 jts. @ 226 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: Feet  
If Alternate II completion, cement circulated from:  
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 14,900 ppm Fluid volume: 800 bbls  
Dewatering method used: Evaporation and backfill, level & reclaim location.  
Location of fluid disposal if hauled offsite:  
Operator Name:  
Lease Name: License #:  
Quarter Sec. Twp. S. R.  East  West  
County: Permit #:

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Ronald N. Sinclair  
Title: President Date: August 30, 2010

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: 8/30/10 - 8/30/12  
 Confidential Release Date:  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: MS Date: 9/9/10  
PA

AUG 30 2010

Operator Name: Grand Mesa Operating CompanyLease Name: HigbeeWell #: 1-17Sec. 17 Twp. 16 S. R. 23  East  WestCounty: Ness**CONFIDENTIAL**

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Stone Corral	1847	+ 648
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Bs/Stone Corral	1880	+ 615
Electric Log Submitted Electronically (If no, Submit Copy)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hecbncr	3858	-1363
List All E. Logs Run:		B/KC	4198	-1703
<b>Comp. Neutron/Density PE Log, DI Log</b>		Marmaton	4230	-1735
		Pawnee	4286	-1791
		Ft Scott	4375	-1880
		Cherokee Shale	4398	-1903
		Mississippian	4470	-1975
		LTD	4531	

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	23#	226	Class "A"	150	3% CC, 2% Gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone <input checked="" type="checkbox"/> Plug Well	4530'	60/40 Poz mix	300	4% Gel, 1/4# sx Flocele

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# ALLIED CEMENTING CO., LLC. 036802

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

KCC  
AUG 31 2010

SERVICE POINT: Grand Mesa

DATE <u>8-12-10</u>	SEC. <u>17</u>	TWP. <u>16S</u>	RANGE <u>23 W</u>	CON. <u>CONV. CALLED OUT</u>	ON LOCATION	JOB START <u>2:30 AM</u>	JOB FINISH <u>3:00 AM</u>
LEASE <u>Higbee</u>		WELL # <u>1-17</u>		LOCATION <u>Random 45 49 283 54</u>		COUNTY <u>Ness</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)			2 North 1/2 East south into				

CONTRACTOR Mallard

TYPE OF JOB Su-acc

HOLE SIZE 12 1/4 T.D. 226

CASING SIZE 8 3/4 DEPTH 226

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15

PERFS. \_\_\_\_\_

DISPLACEMENT 13.25 BBLS

OWNER \_\_\_\_\_

CEMENT

AMOUNT ORDERED 150 SK CLASS A

3% GEL 2% ASC

COMMON	<u>150</u>	@	<u>13.50</u>	<u>2025.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>20.25</u>	<u>60.75</u>
CHLORIDE	<u>5</u>	@	<u>51.50</u>	<u>257.50</u>
ASC		@		
HANDLING	<u>150</u>	@	<u>2.25</u>	<u>337.50</u>
MILEAGE	<u>150 x 14 x .10</u>		<u>210</u>	<u>300.00</u>
TOTAL				<u>2980.75</u>

EQUIPMENT

PUMP TRUCK CEMENTER Waxco-D

# 181 HELPER Rodger-y

BULK TRUCK

# 344 DRIVER Bob-R

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

Pipe on Bottom Break  
Circulation with Rig mud  
Hook up mix 150SK class A  
3% GEL 2% ASC shut Down  
Release Plug  
Displace BBHs Fresh water  
Cement did circulate  
Wash up Rig Down

**SERVICE**

DEPTH OF JOB	<u>226</u>			
PUMP TRUCK CHARGE				<u>990.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>14</u>	@	<u>7.00</u>	<u>98.00</u>
MANIFOLD		@		
<b>RECEIVED</b>				
TOTAL				<u>1088.00</u>

CHARGE TO: Grand mesa operations

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

AUG 31 2010

KCC WICHITA  
PLUG & FLOAT EQUIPMENT

To Allied Cementing Co., LLC.  
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 Frank S Frank

SIGNATURE Frank S Frank

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

# ALLIED CEMENTING CO., LLC. 036809

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

KCC  
AUG 30 2010

SERVICE POINT:  
Great Bend KS

CONFIDENTIAL

DATE <u>8-19-10</u>	SEC. <u>17</u>	TWP. <u>16S</u>	RANGE <u>23W</u>	CALLED OUT	ON LOCATION	JOB START <u>3:30 AM</u>	JOB FINISH <u>4:00 AM</u>
LEASE <u>Higbee</u>		WELL# <u>1-17</u>		LOCATION <u>Ransom KS 2 North</u>		COUNTY <u>NEOSHO</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)				<u>East South into</u>			

CONTRACTOR Mallard  
 TYPE OF JOB Battery Plug  
 HOLE SIZE 7 1/2 T.D. 4530  
 CASING SIZE 4 1/2 DEPTH 1870  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG.  
 PERFS.  
 DISPLACEMENT BBLS

OWNER \_\_\_\_\_  
 CEMENT  
 AMOUNT ORDERED 300 SX 60/40 490  
1/2 flo seal

EQUIPMENT \_\_\_\_\_  
 PUMP TRUCK CEMENTER wayne-D  
 # 181 HELPER Bob-R  
 BULK TRUCK  
 # 344 DRIVER Bill  
 BULK TRUCK  
 # DRIVER

COMMON	<u>180</u>	@	<u>13.50</u>	<u>2430.00</u>
POZMIX	<u>120</u>	@	<u>7.55</u>	<u>906.00</u>
GEL	<u>10</u>	@	<u>20.25</u>	<u>202.50</u>
CHLORIDE		@		
ASC		@		
<u>flo seal</u>	<u>75</u>	@	<u>2.45</u>	<u>183.75</u>
HANDLING	<u>300</u>	@	<u>2.25</u>	<u>675.00</u>
MILEAGE	<u>300 x 14 x .10</u>			<u>420.00</u>
TOTAL				<u>4,817.25</u>

REMARKS:

1st plus 1870 mix 50SX  
2nd plus 1180 mix 80SX  
3rd plus 600 mix 50SX  
4th plus 260 mix 50SX  
5th plus 60 mix 20SX  
Rat mix 20SX  
mouse mix 20SX

SERVICE

DEPTH OF JOB	<u>1870</u>			
PUMP TRUCK CHARGE			<u>990.00</u>	
EXTRA FOOTAGE		@		
MILEAGE	<u>14</u>	@	<u>7.00</u>	
MANIFOLD		@		
<u>RECEIVED</u>				
TOTAL				<u>1088.00</u>

CHARGE TO: Grand Mesa operations co  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

AUG 31 2010

KCC WICHITA

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

TOTAL \_\_\_\_\_

To Allied Cementing Co., LLC.  
 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.

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES ~~\_\_\_\_\_~~  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME Frank Symank  
 SIGNATURE Frank Symank



## DRILL STEM TEST REPORT

Prepared For: **GRAND MESA OPERATING**

1700 N WATERFRONT  
PKWY BLDG 600  
WICHITA KS 67206

ATTN: BOB PETERSON

**17-16S-23W NESS**

**HIGBEE 1-17**

Start Date: 2010.08.18 @ 03:00:00

End Date: 2010.08.18 @ 09:00:00

Job Ticket #: 1111                      DST #: 1

Eagle Testers LLC.

P.O.Box 1011, Great Bend, KS 67530

620-617-7548

Printed: 2010.08.19 @ 11:55:06

GRAND MESA OPERATING

HIGBEE 1-17

17-16S-23W NESS

DST # 1

CHEROKEE SAND

2010.08.18







# DRILL STEM TEST REPORT

TOOL DIAGRAM

GRAND MESA OPERATING

HIGBEE 1-17

1700 N WATERFRONT  
PKWY BLDG 600  
WICHITA KS 67206  
ATTN: BOB PETERSON

17-16S-23W NESS

Job Ticket: 1111

DST#: 1

Test Start: 2010.08.18 @ 03:00:00

## Tool Information

Drill Pipe:	Length: 4131.00 ft	Diameter: 3.88 inches	Volume: 60.41 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: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 60000.00 lb
			<b>Total Volume: 61.59 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	0.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4394.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	69.00 ft			
Tool Length:	92.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHUT IN TOOL	5.00			4376.00	-999999.00
HYD S.I. Tool	5.00			4381.00	-999999.00
jars	6.00			4387.00	-999999.00
safty joint	2.00			4389.00	-999999.00
TRAVEL COLER	2.00			4391.00	-999999.00
Packer	3.00			4394.00	23.00 Bottom Of Top Packer
travel collar	2.00			4396.00	69.00 Tool Interval
Packer	3.00			4399.00	-999999.00
change over sub	0.75			4399.75	-999999.00
drill pipe	31.50			4431.25	-999999.00
change over sub	0.75			4432.00	-999999.00
Perforations	26.00			4458.00	-999999.00
Recorder	1.00	6666	Inside	4459.00	-999999.00
Recorder	1.00	6651	Outside	4460.00	-999999.00
bull plug	3.00			4463.00	1000091.00 Bottom Packers & Anchor

**Total Tool Length: 92.00**





# DRILL STEM TEST REPORT

FLUID SUMMARY

GRAND MESA OPERATING

HIGBEE 1-17

1700 N WATERFRONT  
PKWY BLDG 600  
WICHITA KS 67206  
ATTN: BOB PETERSON

17-16S-23W NESS

Job Ticket: 1111

DST#: 1

Test Start: 2010.08.18 @ 03:00:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 12.79 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 4500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	MUD SKIM OF OIL BETWEEN TOOLS 100%M	0.123

Total Length: 25.00 ft Total Volume: 0.123 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

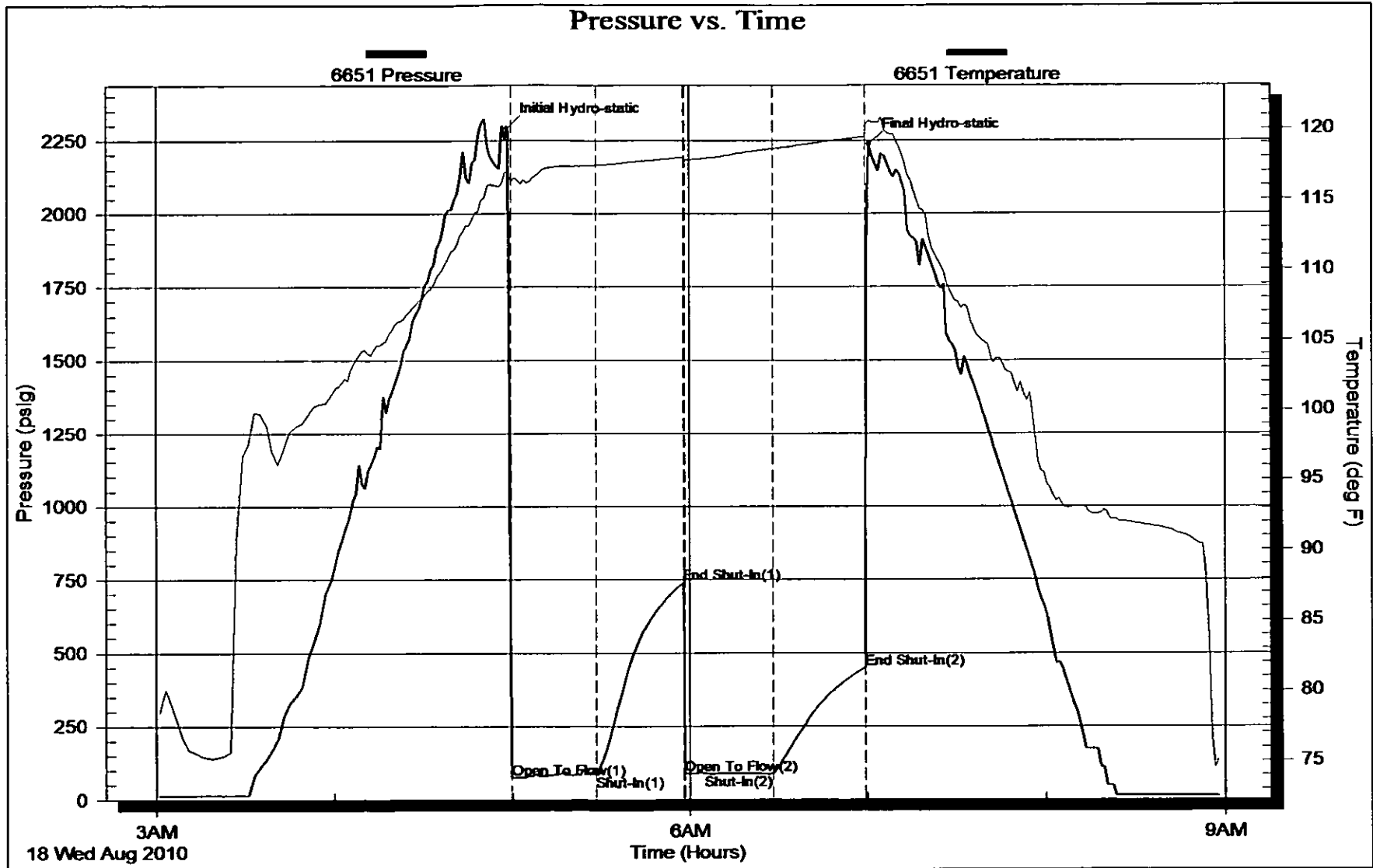
Recovery Comments:

Serial #: 6666

Inside GRAND MESA OPERATING

17-16S-23W NESS

DST Test Number: 1



Serial #: 6651

Outside GRAND MESA OPERATING

17-16S-23W NESS

DST Test Number: 1

