KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 6030
Name: Ainsworth Operating Company
Address 1: 4676 Commercial St. SE
Address 2: # 412
City: Salem State: OR Zip: 97302 + ____
Contact Person: Al Ainsworth
Phone: (503) 881-4357
CONTRACTOR: License # 30606
Name: Murphin Drilling Co.
Wellsite Geologist: Randall Killian
Purchaser: ____

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☑ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. 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 #: ____

8-13-11	8-20-11	8-20-11
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 195-22722 -00 06
Spot Description: ____
__ - SE - NE - NW Sec. 33 Twp. 15 S. R. 25 ☐ East ☑ West
1020 Feet from ☑ North / ☐ South Line of Section
2300 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW
County: Trego
Lease Name: Basinger Well #: 3
Field Name: Basinger
Producing Formation: ____
Elevation: Ground: 2455' Kelly Bushing: 2460'
Total Depth: 4450' Plug Back Total Depth: ____
Amount of Surface Pipe Set and Cemented at: 218 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: 66000 ppm Fluid volume: 500 bbls
Dewatering method used: evaporation
Location of fluid disposal if hauled offsite:
Operator Name: ____
Lease Name: ____ License #: ____
Quarter ____ Sec. ____ Twp. ____ S. R. ____ ☐ East ☐ West
County: ____ Permit #: ____

RECEIVED
APR 16 2012
KCC WICHITA

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: ____
Title: Vice President Date: 4-12-12

KCC Office Use ONLY

☐ Letter of Confidentiality Received
Date: ____
☐ Confidential Release Date: ____
☑ Wireline Log Received
☑ Geologist Report Received
☐ UIC Distribution
ALT ☐ I ☑ II ☐ III Approved by: RJA DLG Date: 4/24/12

Side Two

Operator Name: Ainsworth Operating Company Lease Name: Basinger Well #: 3

Sec. 33 Twp. 15 S. R. 25 ☐ East ☑ West County: Trego

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) ☑ Yes ☐ No

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically (If no, Submit Copy) ☐ Yes ☑ No

List All E. Logs Run:

Dual Comp Porosity Log, Dual Induction Log, Microresistivity Log

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Anhydite	1891	569
Heebner Shale	3742	-1282
Lansing	3784	-1324
BKc	4079	-1619
Altamont	4145	-1685
Ft. Scott	4280	-1820
Mississippian	4379	-1919

CASING RECORD ☐ New ☐ 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"	24	218'	common	165	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives

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: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. (Submit ACO-5) ☐ Commingled (Submit ACO-4) ☐ Other (Specify)

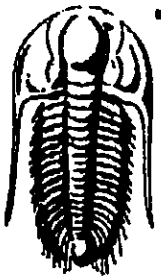
PRODUCTION INTERVAL:

RECEIVED

APR 16 2012

KCC WICHITA

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202



TRILOBITE TESTING, INC.

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

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

DRILL STEM TEST REPORT

Ainsworth Operating Co

4676 Commerical St Ste. 412
Salem, OR 97302

ATTN: Randy Kilian

Basinger #3

33-15-25 Trego,KS

Job Ticket: 43785 **DST#: 1**

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

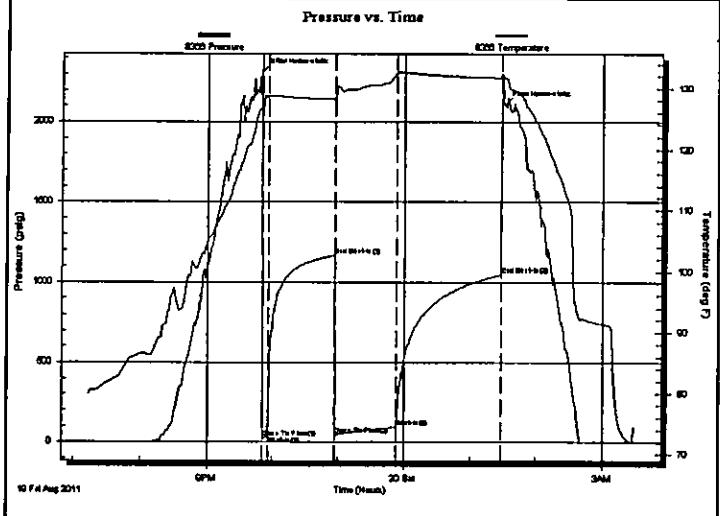
Interval: 4385.00 ft (KB) To 4404.00 ft (KB) (TVD)
Total Depth: 4385.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

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)
Start Date: 2011.08.19 End Date: 2011.08.20
Start Time: 19:13:47 End Time: 03:28:41

Capacity: 8000.00 psig
Last Calib.: 2011.08.20
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 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	MW 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)

DRILL STEM TEST REPORT

Ainsworth Operating Co

4676 Commerical St Ste. 412
Salem, OR 97302

ATTN: Randy Kilian

Basinger #3

33-15-25 Trego,KS

Job Ticket: 43785 **DST#: 1**

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

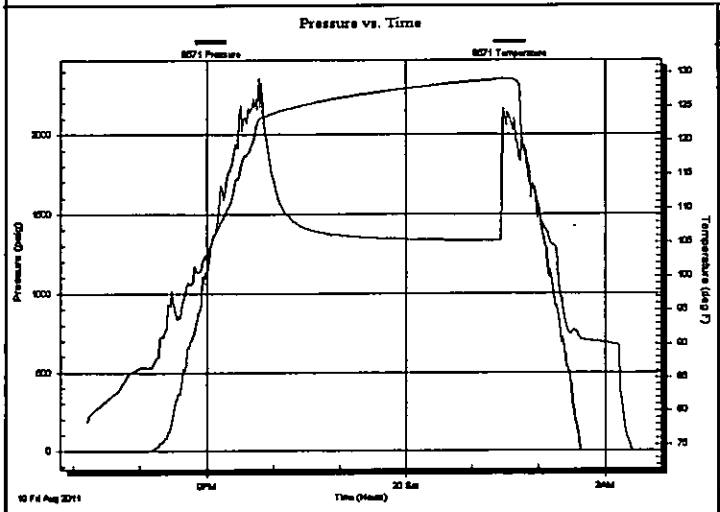
Interval: 4385.00 ft (KB) To 4404.00 ft (KB) (TVD)
Total Depth: 4385.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2460.00 ft (KB)
2455.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8671 **Below (Straddle)**
Press@RunDepth: psig @ 4410.00 ft (KB)
Start Date: 2011.08.19 End Date: 2011.08.20
Start Time: 19:13:18 End Time: 03:26:12

Capacity: 8000.00 psig
Last Calib.: 2011.08.20
Time On Btm:
Time Off Btm:

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 SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
140.00	MW 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)

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ainsworth Operating Co

4676 Commerical St Ste. 412
Salem, OR 97302

ATTN: Randy Kilian

Basinger #3

33-15-25 Trego,KS

Job Ticket: 43785 **DST#: 1**

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
					Total Volume:	60.03 bbl	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	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**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Ainsworth Operating Co

4676 Commerical St Ste. 412
Salem, OR 97302

ATTN: Randy Kilian

Basinger #3

33-15-25 Trego,KS

Job Ticket: 43785 **DST#: 1**

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:	bbl		
Water Loss:	9.19 in³	Gas Cushion Type:			
Resistivity:	ohm m	Gas Cushion Pressure:	psig		
Salinity:	3000.00 ppm				
Filter Cake:	inches				

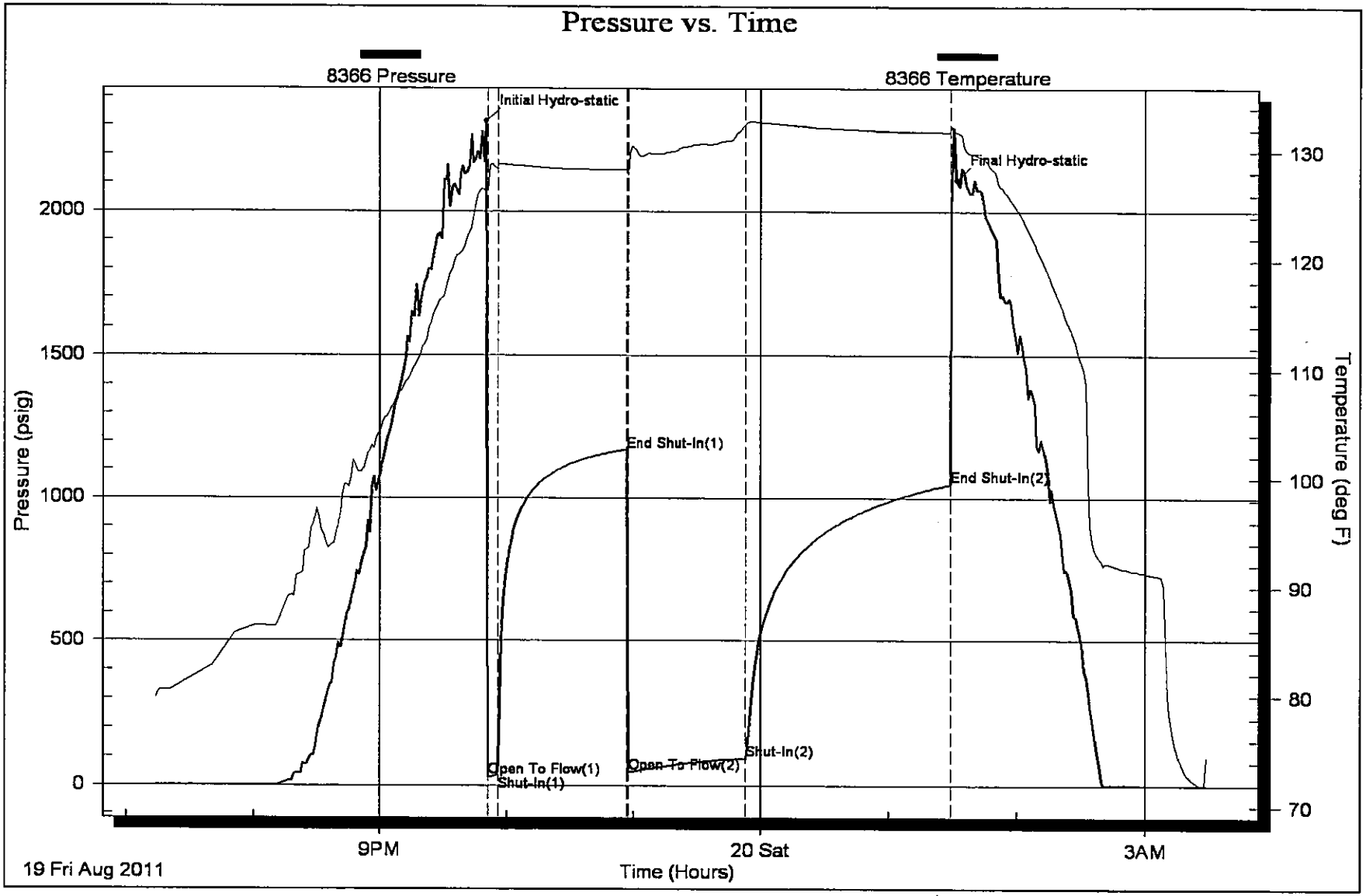
Recovery Information

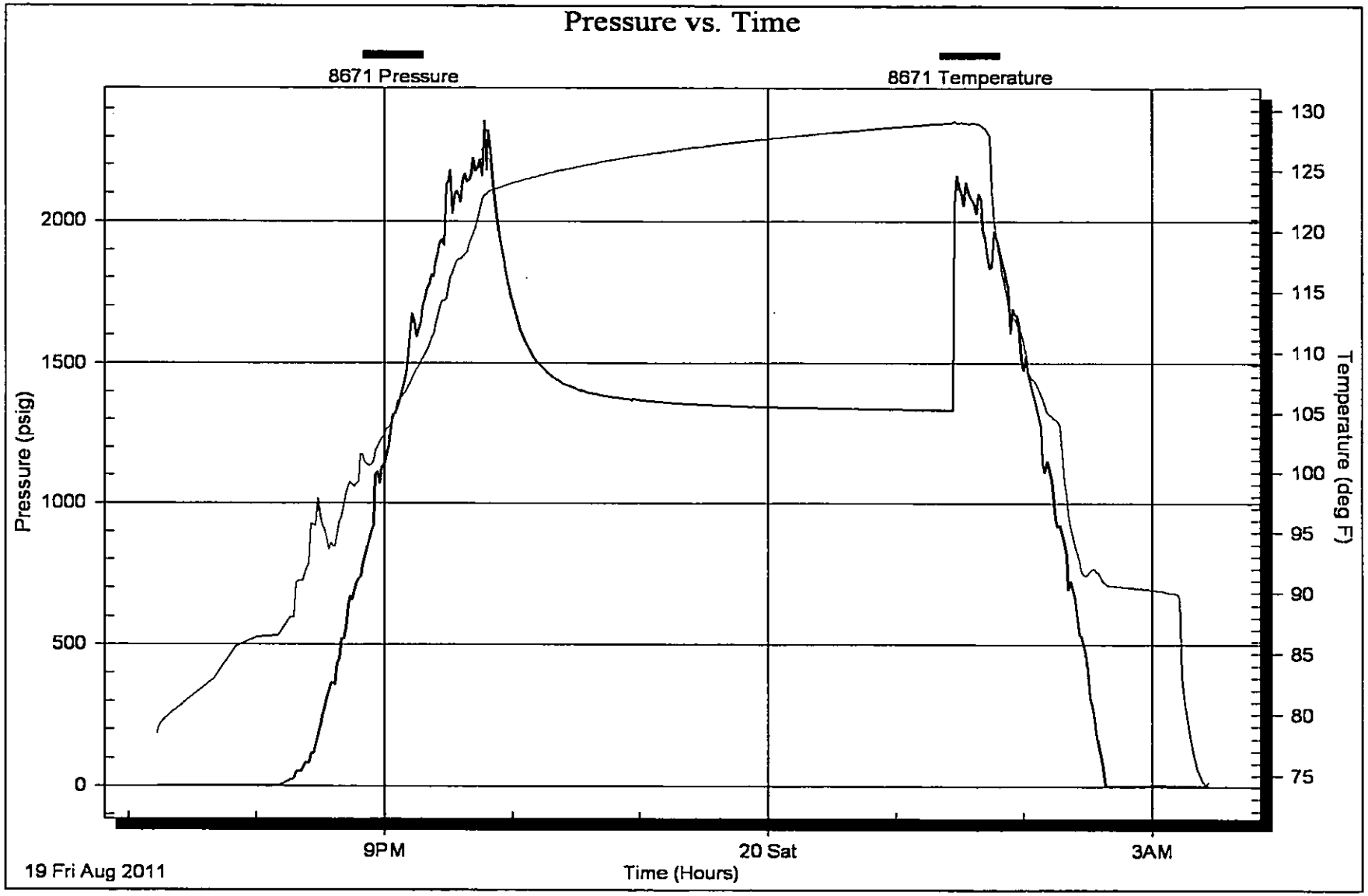
Recovery Table

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 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8366 Pressure
8366 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
2000
1500
1000
500
0
130
120
110
100
90
80
70
9PM
20 Sat
3AM
19 Fri Aug 2011
Time (Hours)


Pressure vs. Time
8671 Pressure
8671 Temperature
Pressure (psig)
2000
1500
1000
500
0
130
125
120
115
110
105
100
95
90
85
80
75
Temperature (deg F)
9PM
20 Sat
3AM
19 Fri Aug 2011
Time (Hours)