

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 # 4787
Name: TDI, Inc.
Address 1: 1310 Bison Road
Address 2: _____
City: Hays State: KS Zip: 67601 + 9696
Contact Person: Tom Denning
Phone: (785) 628-2593
CONTRACTOR: License # 33350
Name: Southwind Drilling Inc.
Wellsite Geologist: Herb Deines
Purchaser: Coffeyville Resources

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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: 3474' Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____
8/17/2010 8/22/2010 9/27/2010
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 051-26019-00-00
Spot Description: _____
SW SE NW SE Sec. 22 Twp. 14 S. R. 16 East West
1,386 Feet from North / South Line of Section
1,710 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ellis
Lease Name: Tholen Well #: 12
Field Name: Dreiling
Producing Formation: Arbuckle
Elevation: Ground: 1890 Kelly Bushing: 1900
Total Depth: 3524 Plug Back Total Depth: 3474
Amount of Surface Pipe Set and Cemented at: 996 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: 48,000 ppm Fluid volume: 1000 bbls
Dewatering method used: evaporation
Location of fluid disposal if hauled offsite:
Operator Name: TDI, Inc.
Lease Name: Dreiling B License #: 4787
Quarter SW Sec. 22 Twp. 14 S. R. 16 East West
County: Ellis Permit #: D25112

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: Tom Denning
Title: Tom Denning, President Date: 10/06/2010

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: Dlg Date: 10/14/10

Operator Name: TDI, Inc. Lease Name: Tholen Well #: 12
 Sec. 22 Twp. 14 S. R. 16 East West County: Ellis

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Dual Compensated Porosity Dual Induction Microresistivity	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>989'</td> <td>+911'</td> </tr> <tr> <td>Topeka</td> <td>2869'</td> <td>-969'</td> </tr> <tr> <td>Heebner</td> <td>3089'</td> <td>-1189'</td> </tr> <tr> <td>Lansing/Kansas City</td> <td>3138'</td> <td>-1238'</td> </tr> <tr> <td>Base Kansas City</td> <td>3371'</td> <td>-1471'</td> </tr> <tr> <td>Arbuckle</td> <td>3391'</td> <td>-1491'</td> </tr> </table>	Name	Top	Datum	Anhydrite	989'	+911'	Topeka	2869'	-969'	Heebner	3089'	-1189'	Lansing/Kansas City	3138'	-1238'	Base Kansas City	3371'	-1471'	Arbuckle	3391'	-1491'
Name	Top	Datum																				
Anhydrite	989'	+911'																				
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Base Kansas City	3371'	-1471'																				
Arbuckle	3391'	-1491'																				

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#	996'	Common	400 sxs	3% cc, 2% gel
production	7 7/8"	5 1/2"	14#	3423'	EA 2	155 sxs	

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4 spf	3394'-3402'	150 gals 15% MA	
4 spf	3415'-3421'	200 gals 15% MA	
4 spf	3428'-3431'		

TUBING RECORD:	Size: <u>2 7/8"</u>	Set At: <u>3468'</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>10/01/2010</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls. <u>25</u>	Gas Mcf	Water Bbls. <u>25</u>	Gas-Oil Ratio <u>30</u>

DISPOSITION OF GAS: <input checked="" type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3394' to 3431' (Arbuckle)</u>
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JOB LOG

SWIFT Services, Inc.

CUSTOMER *TDZ INC* WELL NO. *12* LEASE *THOLEN* JOB TYPE *LONGSTRING* TICKET NO. *10*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0000							ON LOCATION CMT 200 SG EA-2 RD-3525, SET PIPE 3523, ST 4583, INSERT 3477 5 1/4 14" CMT 1.35.79.11.13 Borehole 2.14
	0100							START CSL & FLOATERY
	0215							TAK BOTTOM - DROP BAR
	0220							BREAK CIRC & ROTATE PIPE
	0250		7.5					PLUG RH 30 MH 15
	0255	5.0	12				200	MUD FLUSH 500 GAL
		S	20					MCL FLUSH 2%
			38					EA-2 CMT
								DROP L.O. PLUG, WASHOUT PL
	0315	6.0	0				200	START DISP w/ JOBS 2 1/2 MCL
		S	20.0				5	
			48.0				300	CMT ON BOTTOM
			75.0				600	
			80.0				700	
	0330	4.5	84.8				1450	LAND PLUG
	0335							RELEASE DRY
	0415							RECEIVED OCT 18 2010 KCC WICHITA
								JOB COMPLETE THANK YOU! DAVE, JOHN B, ROB

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 4057

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-18-10	22	14	16	Ellis	KS		8:30am
Lease	Well No.		Location				
Tholen	12		Walker 35 Major Rd Yawanto				
Contractor				Owner			
Type Job				To Quality Oilwell Cementing, Inc.			
Hole Size				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Csg.		T.D.		Charge To			
8 3/8		996		TDJ			
Tbg. Size		Depth		Street			
		995					
Tool		Depth		City		State	
Cement Left in Csg.		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.			
12'		12'					
Meas Line		Displace		Cement Amount Ordered			
		62/28		400ccm 342cc 246cc 1			

EQUIPMENT

Pumptrk	No.	Cement		Common
5		Helper	2	400
Bulktrk	No.	Driver	2	Poz. Mix
		Driver		
Bulktrk	No.	Driver	2	Gel.
4		Driver		8

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
8 3/8 size 995 Baffle Set @	Sand
983 Est Circulation Mix 400SL	Handling
4 DSD Plug	Mileage
Cement Circulator	
Plug lander tools	

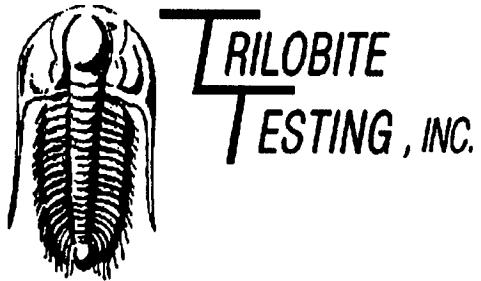
FLOAT EQUIPMENT

Guide Shoe	
Centralizer	8 3/8 3
Baskets	Rubber Plug
AFU Inserts	Baffle Plate
Float Shoe	
Latch Down	
Pumptrk Charge	Long Surface
Mileage	16

Thanks!

X Signature *Frank Rous*

Tax
Discount
Total Charge



DRILL STEM TEST REPORT

Prepared For: **TDI Inc.**

1310 Bison Road
Hays KS 67601

ATTN: Tom Denning

22 14s 16w Ellis KS

Tholen #12

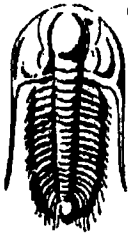
Start Date: 2010.08.22 @ 12:31:29

End Date: 2010.08.22 @ 17:59:29

Job Ticket #: 40332 DST #: 1

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TDI Inc.
1310 Bison Road
Hays KS 67601
ATTN: Tom Denning

Tholen #12
22 14s 16w Ellis KS
Job Ticket: 40332 **DST#: 1**
Test Start: 2010.08.22 @ 12:31:29

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 13:59:29
Time Test Ended: 17:59:29

Test Type: **Conventional Straddle**
Tester: **Paul Simpson**
Unit No: **47**

Interval: **3361.00 ft (KB) To 3435.00 ft (KB) (TVD)**
Total Depth: **3525.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1904.00 ft (KB)**
1894.00 ft (CF)
KB to GR/CF: **10.00 ft**

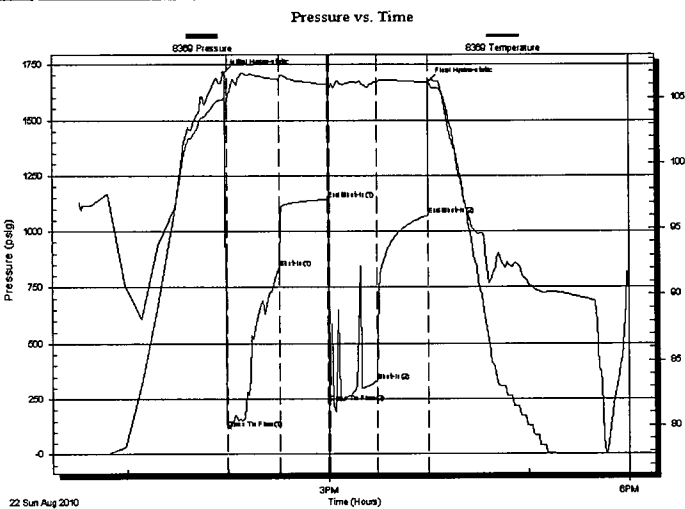
Serial #: 8369

Inside

Press@RunDepth: **331.21 psig @ 3362.00 ft (KB)**
Start Date: **2010.08.22** End Date: **2010.08.22**
Start Time: **12:31:34** End Time: **17:59:28**

Capacity: **8000.00 psig**
Last Calib.: **2010.08.22**
Time On Btm: **2010.08.22 @ 13:57:29**
Time Off Btm: **2010.08.22 @ 15:59:59**

TEST COMMENT: IF- strong blow bottom of bucket in 2 minutes then decreased to 10" blow
IS- no blow
FF- strong surging blow building to bottom of bucket in 5 minutes-- much stronger then first flow
FS- no blow



PRESSURE SUMMARY

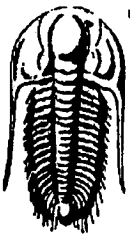
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1711.43	104.94	Initial Hydro-static
2	118.10	104.85	Open To Flow (1)
33	835.22	106.35	Shut-In(1)
62	1142.72	106.02	End Shut-In(1)
63	232.94	105.66	Open To Flow (2)
92	331.21	106.13	Shut-In(2)
122	1070.44	106.17	End Shut-In(2)
123	1670.55	106.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Gsy HOCMW 25% G 25%O 40%W 10%I	0.84
190.00	Gsy O&MCW 10%G 20%O 55%W 15%N	2.67
130.00	Gsy HO&WCM 10%G 25%O 30%W 35%I	1.82
90.00	SOCM 5%O 95%M	1.26
90.00	Mud	1.26
0.00	RW..21@ 91	0.00

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TDI Inc.
1310 Bison Road
Hays KS 67601
ATTN: Tom Denning

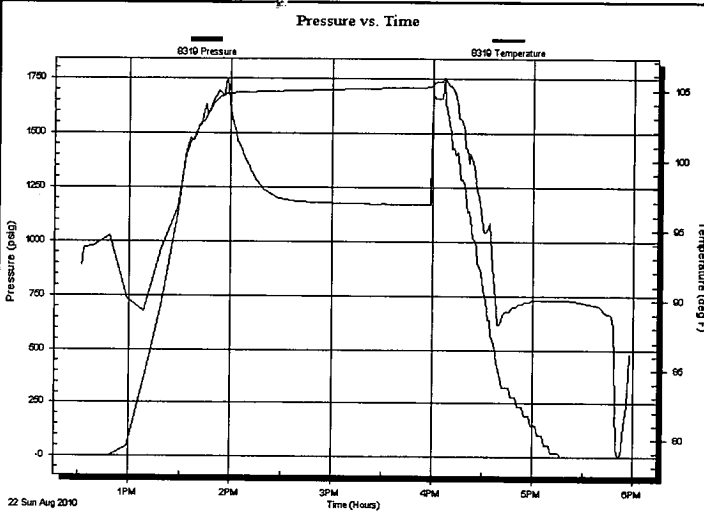
Tholen #12
22 14s 16w Ellis KS
Job Ticket: 40332 **DST#: 1**
Test Start: 2010.08.22 @ 12:31:29

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Straddle
 Time Tool Opened: 13:59:29 Tester: Paul Simpson
 Time Test Ended: 17:59:29 Unit No: 47
 Interval: **3361.00 ft (KB) To 3435.00 ft (KB) (TVD)**
 Reference Elevations: 1904.00 ft (KB)
 Total Depth: 3525.00 ft (KB) (TVD) 1894.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8319 Below (Straddle)
 Press@RunDepth: psig @ 3439.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.08.22 End Date: 2010.08.22 Last Calib.: 2010.08.22
 Start Time: 12:31:34 End Time: 17:58:28 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF- strong blow bottom of bucket in 2 minutes then decreased to 10" blow
 IS- no blow
 FF- strong surging blow building to bottom of bucket in 5 minutes-- much stronger then first flow
 FS- no blow



PRESSURE SUMMARY

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

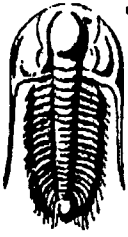
Recovery

Length (ft)	Description	Volume (bbl)
60.00	Gsy HOCMW 25% G 25% O 40% W 10%	10.84
190.00	Gsy O&MCW 10% G 20% O 55% W 15%	2.67
130.00	Gsy HO&WCM 10% G 25% O 30% W 35%	1.82
90.00	SOCM 5% O 95% M	1.26
90.00	Mud	1.26
0.00	RW..21@ 91	0.00

Gas Rates

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

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

TDI Inc.
1310 Bison Road
Hays KS 67601

Tholen #12
22 14s 16w Ellis KS
Job Ticket: 40332 **DST#: 1**
Test Start: 2010.08.22 @ 12:31:29

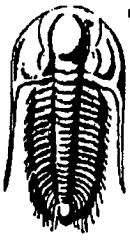
ATTN: Tom Denning

Tool Information

Drill Pipe:	Length: 3350.00 ft	Diameter: 3.80 inches	Volume: 46.99 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 53000.00 lb
		Total Volume: 46.99 bbl		Tool Chased 2.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3361.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	3434.00 ft			
Interval between Packers:	73.00 ft			
Tool Length:	187.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:
tool slid 2' before opening

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3342.00	
Shut In Tool	5.00			3347.00	
Hydraulic tool	5.00			3352.00	
Packer	4.00			3356.00	20.00 Bottom Of Top Packer
Packer	5.00			3361.00	
Stubb	1.00			3362.00	
Recorder	0.00	8369	Inside	3362.00	
Recorder	0.00	6719	Outside	3362.00	
Perforations	5.00			3367.00	
Change Over Sub	1.00			3368.00	
Blank Spacing	61.00			3429.00	
Change Over Sub	1.00			3430.00	
Blank Off Sub	4.00			3434.00	73.00 Tool Interval
Packer	4.00			3438.00	
Stubb	1.00			3439.00	
Recorder	0.00	8319	Below	3439.00	
Change Over Sub	1.00			3440.00	
Perforations	21.00			3461.00	
Change Over Sub	1.00			3462.00	
Blank Spacing	63.00			3525.00	
Bullnose	3.00			3528.00	94.00 Bottom Packers & Anchor
Total Tool Length:		187.00			



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

TDI Inc.
1310 Bison Road
Hays KS 67601

Tholen #12
22 14s 16w Ellis KS
Job Ticket: 40332 **DST#: 1**
Test Start: 2010.08.22 @ 12:31:29

ATTN: Tom Denning

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:	23000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.16 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Gsy HOCMW 25% G 25%O 40%W 10%M	0.842
190.00	Gsy O&MCW 10%G 20%O 55%W 15%M	2.665
130.00	Gsy HO&WCM 10%G 25%O 30%W 35%M	1.824
90.00	SOCM 5%O 95%M	1.262
90.00	Mud	1.262
0.00	RW..21@ 91	0.000

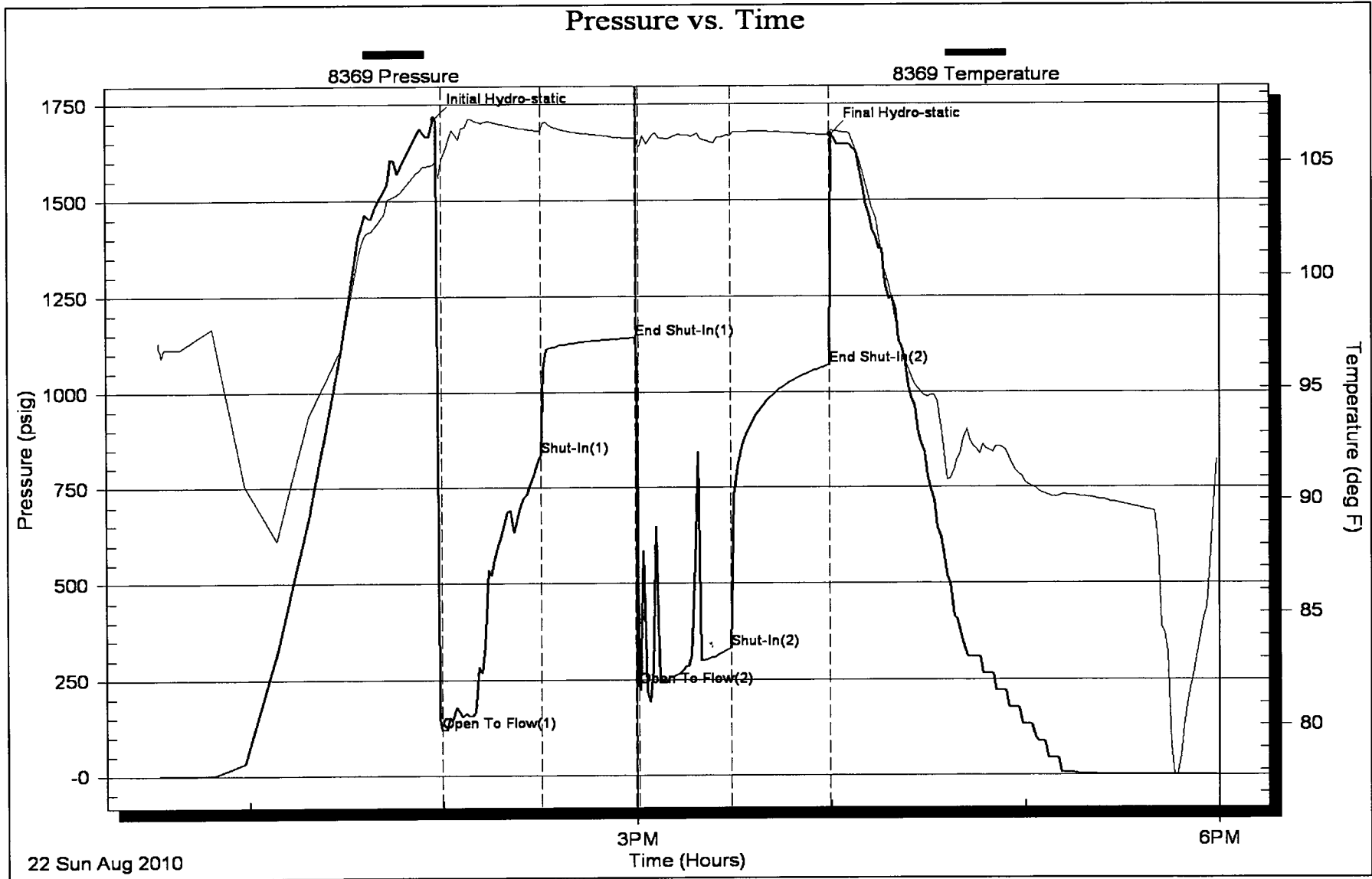
Total Length: 560.00 ft Total Volume: 7.855 bbl

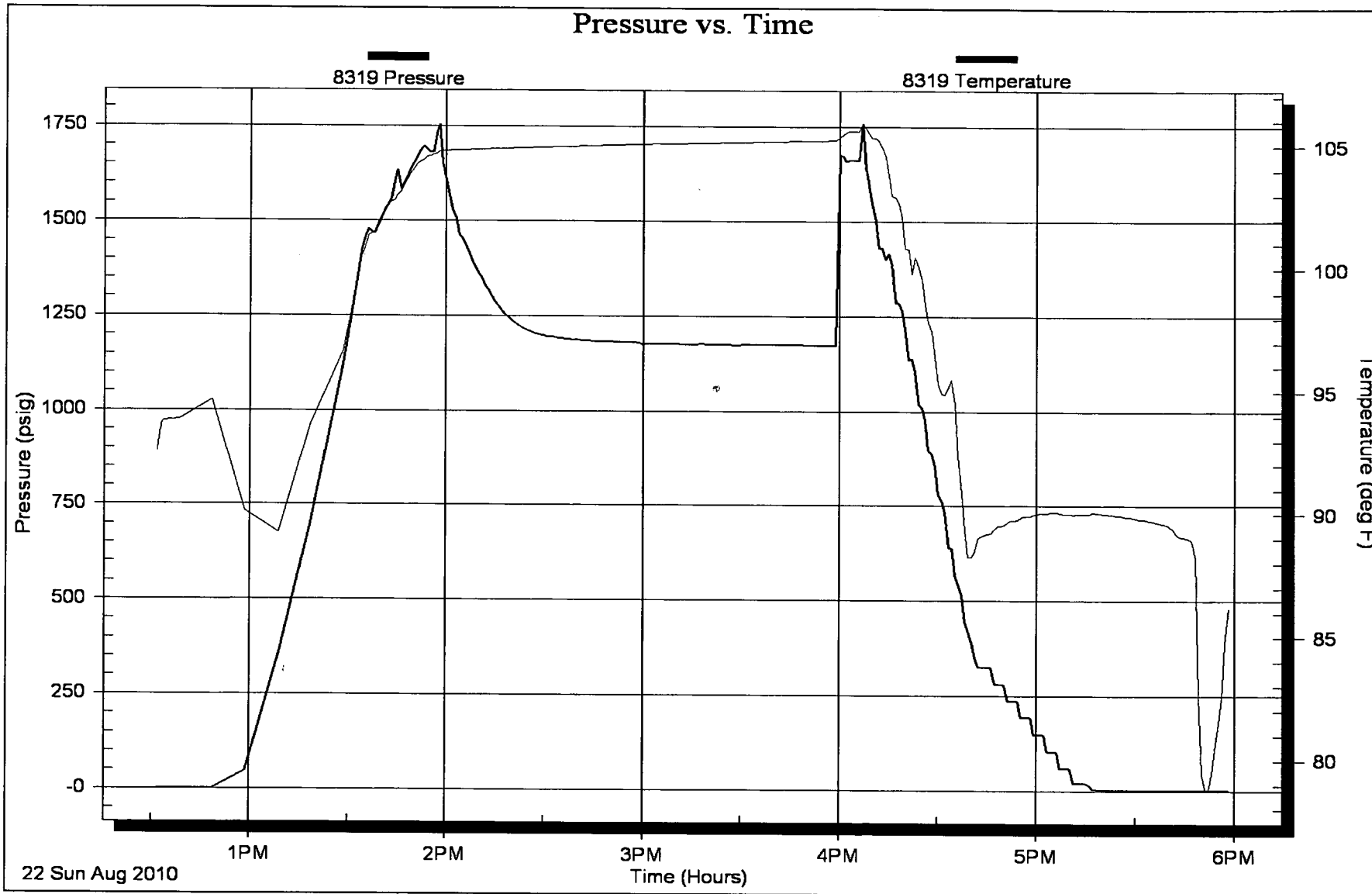
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: tool plugged during IF tool plugging during FF

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