

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

ORIGINAL

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

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 # 5184
Name: Shields Oil Producers, Inc
Wellsite Geologist: Herb Deines
Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD SLOW
 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 #: _____

API No. 15 - 051-25964-00-00

Spot Description: _____
C NW NE NW Sec. 10 Twp. 15 S. R. 18 East West
330 Feet from North / South Line of Section
1,650 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Ellis
Lease Name: Richard Well #: 1
Field Name: Dinges
Producing Formation: _____
Elevation: Ground: 2023' Kelly Bushing: 2025'
Total Depth: 3730' 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: 56,000 ppm Fluid volume: 1,200 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 #: _____

05-05-2010 05-11-2010 _____ 5-11-10
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

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: [Signature]
Title: President Date: 06-09-2010

KCC Office Use ONLY

Letter of Confidentiality Received RECEIVED
Date: _____ KANSAS CORPORATION COMMISSION

Confidential Release Date: _____ JUN 14 2010

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT I II III RLA Approved by: Dg CONSERVATION DIVISION
Date: 6/10/10 WICHITA, KS

Operator Name: TDI, Inc. Lease Name: Richard Well #: 1
 Sec. 10 Twp. 15 S. R. 18 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 checked="" type="checkbox"/> Yes <input 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 Induction Log <input checked="" type="checkbox"/> Dual Compensated Porosity Log <input checked="" type="checkbox"/> Microresistivity Log <input checked="" type="checkbox"/>	<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:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1199'</td> <td>+829'</td> </tr> <tr> <td>Topeka</td> <td>2999'</td> <td>-971'</td> </tr> <tr> <td>Heebner</td> <td>3278'</td> <td>-1250'</td> </tr> <tr> <td>Lansing/KC</td> <td>3324'</td> <td>-1296'</td> </tr> <tr> <td>Base KC</td> <td>3551'</td> <td>-1523'</td> </tr> <tr> <td>Arbuckle</td> <td>3663'</td> <td>-1635'</td> </tr> <tr> <td>RTD</td> <td>3730'</td> <td>-1702'</td> </tr> </table>	Name	Top	Datum	Anhydrite	1199'	+829'	Topeka	2999'	-971'	Heebner	3278'	-1250'	Lansing/KC	3324'	-1296'	Base KC	3551'	-1523'	Arbuckle	3663'	-1635'	RTD	3730'	-1702'
Name	Top	Datum																							
Anhydrite	1199'	+829'																							
Topeka	2999'	-971'																							
Heebner	3278'	-1250'																							
Lansing/KC	3324'	-1296'																							
Base KC	3551'	-1523'																							
Arbuckle	3663'	-1635'																							
RTD	3730'	-1702'																							

CASING RECORD <input 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#	218'	common	150	2% gel & 3% cc

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 (Amount and Kind of Material Used)	Depth

RECEIVED
 KANSAS CORPORATION COMMISSION
 JUN 14 2010
 CONSERVATION DIVISION
 WICHITA, KS

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 <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
---	---	--

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



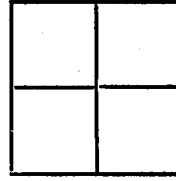
Shields

Russell, Kansas

WELL LOG

Operator: TDI, Inc.
 Well: Richard #1
 Commenced: 5-5-2010
 Completed: 5-11-2010
 Contractor: Shields Drilling Co.

Well Description: 330' FNL, 1,650' FWL
 NW/4 Sec. 10-15S-18W
 Ellis Co., KS



Elevation: 2,028 K.B.

Treatment:

Production: D & A

Tops:

CASING RECORD

Size	Run	Pulled
8 5/8"	218'	Cmtd. w/150' sax

..... Figures Indicate Bottom of Formations

Sand & shale	735'	
Sand	1,015'	
Sand & redbed	1,200'	
Anhydrite	1,240'	
Redbed & shale	1,905'	
Shale	2,655'	
Shale & lime	3,305'	
Lime	3,663'	
Arbuckle	3,730'	RTD

RECEIVED
 KANSAS CORPORATION COMMISSION

JUN 14 2010

CONSERVATION DIVISION
 WICHITA, KS

Notes

ALLIED CEMENTING CO., LLC. 041686

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

SERVICE POINT
Russell

DATE <u>5-11-10</u>	SEC. <u>10</u>	TWP. <u>15</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION <u>3:00 p.m.</u>	JOB START <u>8:00 p.m.</u>	JOB FINISH <u>8:30 a.m.</u>
LEASE <u>Richard</u>	WELL # (LOCATION <u>Hays GS 1/2E S100</u>			COUNTY <u>Ellis</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Shields
 TYPE OF JOB Plug
 HOLE SIZE 7 7/8 T.D. 3690
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 x 4 DEPTH 3634
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

OWNER _____
 CEMENT AMOUNT ORDERED 205 6 1/4 46661 147770

EQUIPMENT

PUMP TRUCK CEMENTER Craig
 # 398 HELPER Paul
 BULK TRUCK
 # 473 DRIVER Glenn
 BULK TRUCK
 # _____ DRIVER _____

COMMON	<u>123</u>	@	<u>13.50</u>	<u>1660.50</u>
POZMIX	<u>82</u>	@	<u>7.55</u>	<u>619.10</u>
GEL	<u>7</u>	@	<u>20.25</u>	<u>141.75</u>
CHLORIDE		@		
ASC		@		
<u>Fl Seal 51</u>		@	<u>12.75</u>	<u>650.25</u>
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>100</u>	@	<u>2.25</u>	<u>225.00</u>
MILEAGE	<u>110.64/mile</u>			<u>60.00</u>
TOTAL				<u>3356.60</u>

REMARKS:

<u>1st</u>	<u>3634</u>	<u>255K</u>
<u>2nd</u>	<u>1220</u>	<u>255K</u>
<u>3rd</u>	<u>320</u>	<u>1005K</u>
<u>4th</u>	<u>40'</u>	<u>100K</u>
<u>Ran hole</u>		<u>305K</u>
<u>Moose hole</u>		<u>65K</u>

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____ 990.00
 EXTRA FOOTAGE @ _____
 MILEAGE 6 @ 2.00 12.00
 MANIFOLD @ _____
 @ _____
 @ _____
TOTAL 1032.00

CHARGE TO: TDI
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>8 7/8 wooden plug</u>	@		
	@		
	@		
	@		
	@		
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.

PRINTED NAME Thomas S Engel
 SIGNATURE Thomas S Engel

SALES TAX (If Any) _____
 TOTAL CHARGES 1032.00
 DISCOUNT _____ IF PAID IN 30 DAYS

RECEIVED
 KANSAS CORPORATION COMMISSION
 JUN 14 2010
 CONSERVATION DIVISION
 WICHITA, KS

ALLIED CEMENTING CO., LLC. 041679

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

SERVICE POINT: Russell

DATE <u>5-5-10</u>	SEC. <u>10</u>	TWP. <u>15</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START <u>10:00p.m</u>	JOB FINISH <u>10:30p.m</u>
Richard LEASE 1234		WELL # <u>1</u>	LOCATION <u>HAYS 63 1/4E S10T0</u>		COUNTY <u>Ellis</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR Shields

TYPE OF JOB Surface

HOLE SIZE 12 7/8 T.D. 221

CASING SIZE 8 5/8 DEPTH 221

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 13 RC

EQUIPMENT

PUMP TRUCK CEMENTER Coag

398 HELPER Paul

BULK TRUCK

378 DRIVER Bob

BULK TRUCK

DRIVER

OWNER

CEMENT

AMOUNT ORDERED 150 @ 9/16 3 1/4 CC 296621

COMMON	<u>90</u>	@ <u>13.50</u>	<u>1215.00</u>
POZMIX	<u>60</u>	@ <u>7.55</u>	<u>453.00</u>
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>75</u>	@ <u>2.25</u>	<u>168.75</u>
MILEAGE	<u>10 1/2 hr/m.k</u>		<u>45.00</u>
TOTAL			<u>2200.00</u>

REMARKS:

8 5/8 casing on bottom. ESO Circulation

Mix 150 SK & displace.

Cement Circulation!

Thanks!

CHARGE TO: TDI

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE 991.00

EXTRA FOOTAGE @ _____

MILEAGE 6 @ 70. 420.00

MANIFOLD @ _____

TOTAL 1033.00

PLUG & FLOAT EQUIPMENT

	RECEIVED
@	KANSAS CORPORATION COMMISSION
@	JUN 14 2010
@	CONSERVATION DIVISION
@	WICHITA, KS
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.

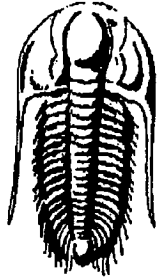
PRINTED NAME Thomas J Engel

SIGNATURE Thomas J Engel

SALES TAX (If Any) _____

TOTAL CHARGES 1033.00

DISCOUNT 0 IF PAID IN 30 DAYS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **TDI Inc**

1310 Bison Rd
Hays Ks 67601-9696

ATTN: Tom Denning

10-15s-18w Ellis KS

Richard #1

Start Date: 2010.05.09 @ 22:48:34

End Date: 2010.05.10 @ 05:46:28

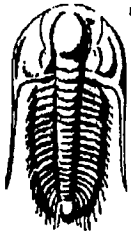
Job Ticket #: 38567 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 14 2010

CONSERVATION DIVISION
WICHITA, KS

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 Rd
 Hays Ks 67601-9696
 ATTN: Tom Denning

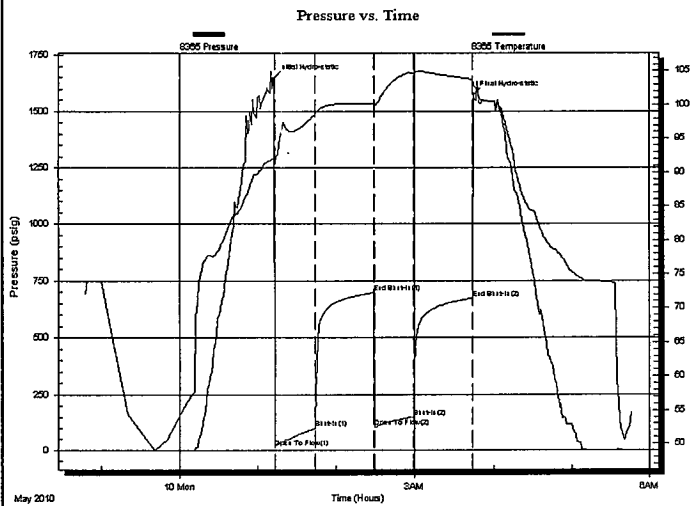
Richard #1
10-15s-18w Ellis KS
 Job Ticket: 38567 **DST#: 1**
 Test Start: 2010.05.09 @ 22:48:34

GENERAL INFORMATION:

Formation: **LKC A-B**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 01:12:59
 Time Test Ended: 05:46:28
 Test Type: Conventional Bottom Hole
 Tester: Ray Schwager
 Unit No: 42
 Interval: **3336.00 ft (KB) To 3360.00 ft (KB) (TVD)**
 Total Depth: 3360.00 ft (KB) (TVD)
 Reference Elevations: 2028.00 ft (KB)
 2023.00 ft (CF)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 KB to GR/CF: 5.00 ft

Serial #: 8365 **Inside**
 Press@RunDepth: 149.74 psig @ 3337.01 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.05.09 End Date: 2010.05.10 Last Calib.: 2010.05.10
 Start Time: 22:48:34 End Time: 05:46:28 Time On Btmr: 2010.05.10 @ 01:11:59
 Time Off Btmr: 2010.05.10 @ 03:44:58

TEST COMMENT: IFP-w k to strg in 23min
 FFP-w k to a fr bl 1/2" to 4" bl
 ISIP-surface bl bk, FSIP-no bl bk
 Times 30-45-30-45



PRESSURE SUMMARY

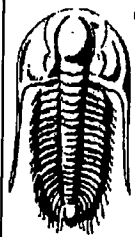
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1644.83	91.99	Initial Hydro-static
1	15.27	91.54	Open To Flow (1)
32	98.68	98.59	Shut-In(1)
77	696.59	100.05	End Shut-In(1)
78	103.16	99.90	Open To Flow (2)
107	149.74	104.65	Shut-In(2)
152	672.53	103.78	End Shut-In(2)
153	1574.21	103.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
105.00	MWV20%MB0%Ww/show of oil	0.74
185.00	Water	1.66

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

TDI Inc
1310 Bison Rd
Hays Ks 67601-9696
ATTN: Tom Denning

Richard #1
10-15s-18w Ellis KS
Job Ticket: 38567 **DST#: 1**
Test Start: 2010.05.09 @ 22:48:34

Tool Information

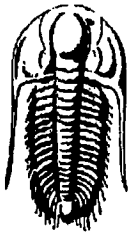
Drill Pipe:	Length: 3079.00 ft	Diameter: 3.80 inches	Volume: 43.19 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 240.00 ft	Diameter: 2.70 inches	Volume: 1.70 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 44.89 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3336.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.02 ft			
Tool Length:	45.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3316.00	
Shut In Tool	5.00			3321.00	
Hydraulic tool	5.00			3326.00	
Packer	5.00			3331.00	21.00 Bottom Of Top Packer
Packer	5.00			3336.00	
Stubb	1.00			3337.00	
Recorder	0.01	8365	Inside	3337.01	
Recorder	0.01	6625	Outside	3337.02	
Perforations	20.00			3357.02	
Bullnose	3.00			3360.02	24.02 Bottom Packers & Anchor
Total Tool Length:	45.02				

RECEIVED
KANSAS CORPORATION COMMISSION
JUN 14 2010
CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

TDI Inc
1310 Bison Rd
Hays Ks 67601-9696
ATTN: Tom Denning

Richard #1
10-15s-18w Ellis KS
Job Ticket: 38567 **DST#: 1**
Test Start: 2010.05.09 @ 22:48:34

Mud and Cushion Information

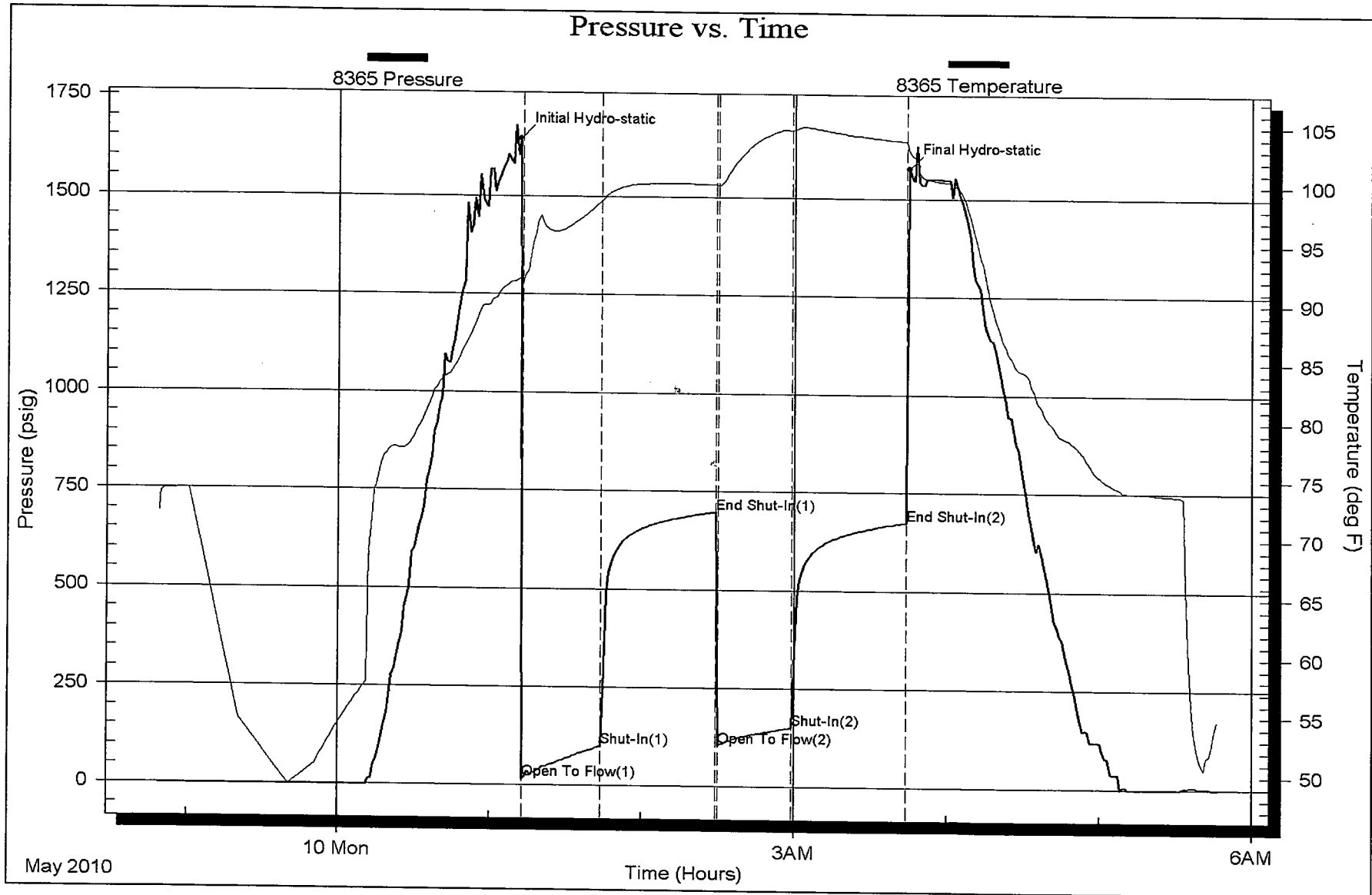
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	53000 ppm
Viscosity: 66.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.73 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5300.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
105.00	MW20%M80%Ww/show of oil	0.744
185.00	Water	1.657

Total Length: 290.00 ft Total Volume: 2.401 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW.19@53F



JUN 14 2010