

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 # 5184
Name: Shields Oil Producers, Inc.
Wellsite Geologist: Herb Deines
Purchaser: Coffeyville Resources

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 #: _____

<u>04/10/2010</u>	<u>04/16/2010</u>	<u>05/18/2010</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 051-25960-00-00
Spot Description: _____
S/2 NW NW SE Sec. 22 Twp. 14 S. R. 16 East West
2,295 Feet from North / South Line of Section
2,310 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Ellis
Lease Name: Tholen Well #: 11
Field Name: Dreiling

Producing Formation: Arbuckle/ KC/Toronto/Platismouth
Elevation: Ground: 1881' Kelly Bushing: 1886'
Total Depth: 3498' Plug Back Total Depth: 3471'
Amount of Surface Pipe Set and Cemented at: 222 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: 985'
feet depth to: surface w/ 105 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 42,000 ppm Fluid volume: 1,000 bbls
Dewatering method used: Removed free fluids. Let evaporate

Location of fluid disposal if hauled offsite:

Operator Name: TDI, Inc.
Lease Name: Dreiling B License #: 4787
Quarter SW/4 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: [Signature]
Title: President Date: 06/11/2010

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: Dcy Date: 06/11/2010

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KANSAS CORPORATION COMMISSION
JUN 14 2010
CONSERVATION DIVISION
WICHITA, KS

Operator Name: TDI, Inc. Lease Name: Tholen Well #: 11
 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: Radiation Guard Log WJH Microresistivity Log	<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>970'</td> <td>+916'</td> </tr> <tr> <td>Topeka</td> <td>2850'</td> <td>-964'</td> </tr> <tr> <td>Lansing/KC</td> <td>3118'</td> <td>-1232'</td> </tr> <tr> <td>Base KC</td> <td>3353'</td> <td>-1467'</td> </tr> <tr> <td>Arbuckle</td> <td>3397'</td> <td>-1511'</td> </tr> <tr> <td>RTD</td> <td>3499'</td> <td>-1613'</td> </tr> </table>	Name	Top	Datum	Anhydrite	970'	+916'	Topeka	2850'	-964'	Lansing/KC	3118'	-1232'	Base KC	3353'	-1467'	Arbuckle	3397'	-1511'	RTD	3499'	-1613'
Name	Top	Datum																				
Anhydrite	970'	+916'																				
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Arbuckle	3397'	-1511'																				
RTD	3499'	-1613'																				

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#	222'	60/40 Poz	150	3% gel, 5% cc
production	7 7/8"	5 1/2"	14#	3493'	EA-2	150	1% hal

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	985' to surface	SMD	105	(cement did circulate)

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
4 spf	3412'-16'	none	
2 spf	3329'-3332', 3301'-3304', 3288'-3290', 3260'-3264'	Treat each zone with 250 gals 15% MA	
	3236'-3238', 3200'-3204', 3145'-3148', 3118'-3122'		
	3091'-3094', 3023'-3025'		

TUBING RECORD: Size: <u>2 7/8"</u> Set At: <u>3464'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>06/09/2010</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>10</u>	Gas Mcf <u>190</u>
	Water Bbls.	Gravity <u>32</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)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3416'-3023'</u>
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

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 CONSERVATION DIVISION
 WICHITA, KS



CHARGE TO: TDI, Inc
 ADDRESS: 1310 Bison Road
 CITY, STATE, ZIP CODE: Hays, Ks. 67601

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 KANSAS CORPORATION COMMISSION
 JUN 14 2010
 CONSERVATION DIVISION
 WICHITA, K.S.

TICKET
17485

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Hays, Ks</u> 2. <u>Ness City, Ks</u>	WELL/PROJECT NO. <u># 11</u>	LEASE <u>Tholen</u>	COUNTY/PARISH <u>Ellis</u>	STATE <u>Ks</u>	CITY	DATE <u>4-16-10</u>	OWNER
TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Shields</u>	RIG NAME/NO. <u>#1</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>S/Walker, Ks</u>	ORDER NO.		
WELL TYPE <u>Oil</u>	WELL CATEGORY <u>infield</u>	JOB PURPOSE <u>Cement Longstring</u>	WELL PERMIT NO.	WELL LOCATION			
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
575		1			MILEAGE #104	30	mi	500		15000
578		1			Pump Charge - Two Stage	1	ea	1750	ea	1750.00
221		1			KCL - Liquid	4	gal	2500		10000
587 281		1			Mudflush	500	gal	1.00		500.00
290		1			D-Aie	3	gal	3520		10560
402		1			Centralizers	8	ea	56	ea	448.00
403		1			Cement Baskets	4	ea	200	ea	800.00
407		1			Insert Float Shoe w/ Auto Fall	1	ea	27500		27500
408		1			D.V. Tool	1	ea	2600	ea	2600.00
414		1			Limit Clamp	1	ea	3000		3000
417		1			D.V. Latch Down Plug & Baffle	1	ea	200	ea	200.00
419		1			Rotating Head Rental	1	ea	150	ea	150.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X Anna W. [Signature]
 DATE SIGNED 4-16-10 TIME SIGNED A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	P1 PAGE TOTAL	710000
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				P2	569138
WE UNDERSTOOD AND MET YOUR NEEDS?				Subtotal	921
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					12999138
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Ellis TAX 5.3%	535.96
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	13,457.34
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR [Signature] APPROVAL

Thank You!

ALLIED CEMENTING CO., LLC. 33905

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

SERVICE POINT:
Russell KS

DATE <u>4-11-10</u>	SEC. <u>22</u>	TWP. <u>14</u>	RANGE <u>16</u>	CALLED OUT	ON LOCATION	JOB START <u>1:30am</u>	JOB FINISH <u>2:00am</u>
LEASE <u>Tholen</u>		WELL # <u>11</u>		LOCATION <u>Walker KS 3 1/2 South</u>		COUNTY <u>Ellis</u>	STATE <u>KS</u>
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)				<u>1/2 West North into</u>			

CONTRACTOR Shields Drilling Rig #1

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 222.5'

CASING SIZE 8 5/8 DEPTH 222.5'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

DISPLACEMENT 13 Bb1

EQUIPMENT

PUMP TRUCK CEMENTER John Roberts

398 HELPER Glenn

BULK TRUCK

410 DRIVER Craig

BULK TRUCK

_____ DRIVER _____

OWNER _____

CEMENT AMOUNT ORDERED 150 69/40 3' cc 2' Gel

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/sk mile</u>			<u>75.00</u>
TOTAL				<u>2230.00</u>

REMARKS:

Est. Circulation

Mix 150 sk cement

Displace w/ 13 Bb1 H₂O

Cement Did Circulate!

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 875.00

EXTRA FOOTAGE @ _____

MILEAGE 10 @ 7.00 70.00

MANIFOLD @ _____

@ _____

@ _____

TOTAL 945.00

PLUG & FLOAT EQUIPMENT

<u>8 5/8 Wood Plug</u>	@	<u>N-C</u>
_____	@	_____
_____	@	_____
_____	@	_____
TOTAL <u>N-C</u>		

CHARGE TO: TDI Inc.

STREET _____

CITY _____ STATE _____ ZIP _____

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) _____

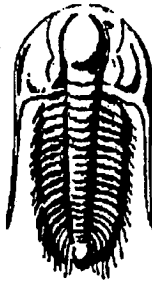
TOTAL CHARGES 945.00

DISCOUNT _____ IF PAID IN 30 DAYS

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KANSAS CORPORATION COMMISSION

JUN 14 2010

CONSERVATION DIVISION



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **TDI, Inc.**

1310 Bison Rd
Hays, KS 67601

ATTN: Herb Deines

22-14s-16w Ellis KS

Tholen #11

Start Date: 2010.04.15 @ 14:50:13

End Date: 2010.04.15 @ 20:32:13

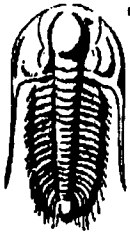
Job Ticket #: 37260 DST #: 1

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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

ATTN: Herb Deines

Tholen #11

22-14s-16w Ellis KS

Job Ticket: 37260

DST#: 1

Test Start: 2010.04.15 @ 14:50:13

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:28:13

Time Test Ended: 20:32:13

Test Type: Conventional Straddle

Tester: Tyson Flax

Unit No: 44

Interval: **3336.00 ft (KB) To 3425.00 ft (KB) (TVD)**

Total Depth: 3499.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1886.00 ft (KB)

1881.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6668

Inside

Press@RunDepth: 359.19 psig @ 3347.00 ft (KB)

Start Date: 2010.04.15

End Date:

2010.04.15

Start Time: 14:50:14

End Time:

20:32:13

Capacity: 8000.00 psig

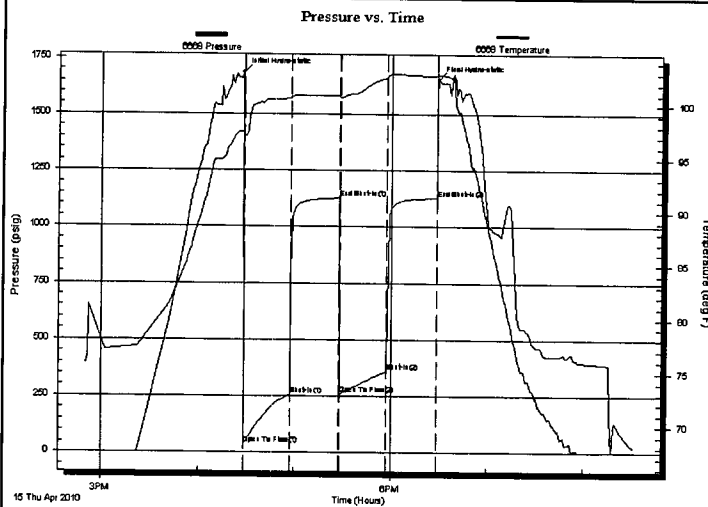
Last Calib.: 2010.04.15

Time On Btm: 2010.04.15 @ 16:27:43

Time Off Btm: 2010.04.15 @ 18:29:13

TEST COMMENT:

IFF-BOB in 6 min
IS-Weak surface blow back died in 7 min
FFP-BOB in 9.5 min
FSI-no blow back



PRESSURE SUMMARY

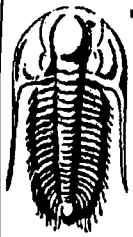
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1684.06	97.58	Initial Hydro-static
1	33.77	97.20	Open To Flow (1)
30	254.32	100.65	Shut-In(1)
60	1126.66	101.00	End Shut-In(1)
61	260.77	100.74	Open To Flow (2)
90	359.19	102.63	Shut-In(2)
121	1127.55	102.76	End Shut-In(2)
122	1654.96	102.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	MW w /scum of oil 70%W, 30%M	0.89
480.00	GMCWO 10%G, 50%O, 10%W, 30%M	4.58
105.00	OCM 10%O, 90%M	1.49

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

Tholen #11
22-14s-16w Ellis KS
Job Ticket: 37260 **DST#: 1**
Test Start: 2010.04.15 @ 14:50:13

ATTN: Herb Deines

Tool Information

Drill Pipe:	Length: 2915.00 ft	Diameter: 3.82 inches	Volume: 41.32 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 420.00 ft	Diameter: 2.25 inches	Volume: 2.07 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 43.39 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3336.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	3425.00 ft			
Interval between Packers:	89.00 ft			
Tool Length:	185.00 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			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	
Perforations	9.00			3346.00	
Change Over Sub	1.00			3347.00	
Recorder	0.00	6668	Inside	3347.00	
Recorder	0.00	8654	Inside	3347.00	
Blank Spacing	61.00			3408.00	
Change Over Sub	1.00			3409.00	
Perforations	12.00			3421.00	
Blank Off Sub	1.00			3422.00	
Stubb	3.00			3425.00	89.00 Tool Interval
Packer	1.00			3426.00	
Stubb	1.00			3427.00	
Perforations	10.00			3437.00	
Change Over Sub	1.00			3438.00	
Recorder	0.00	6669	Below	3438.00	
Blank Spacing	62.00			3500.00	75.00 Bottom Packers & Anchor

Total Tool Length: 185.00

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CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

TDI, Inc.
1310 Bison Rd
Hays, KS 67601

Tholen #11
22-14s-16w Ellis KS
Job Ticket: 37260 **DST#: 1**
Test Start: 2010.04.15 @ 14:50:13

ATTN: Herb Deines

Mud and Cushion Information

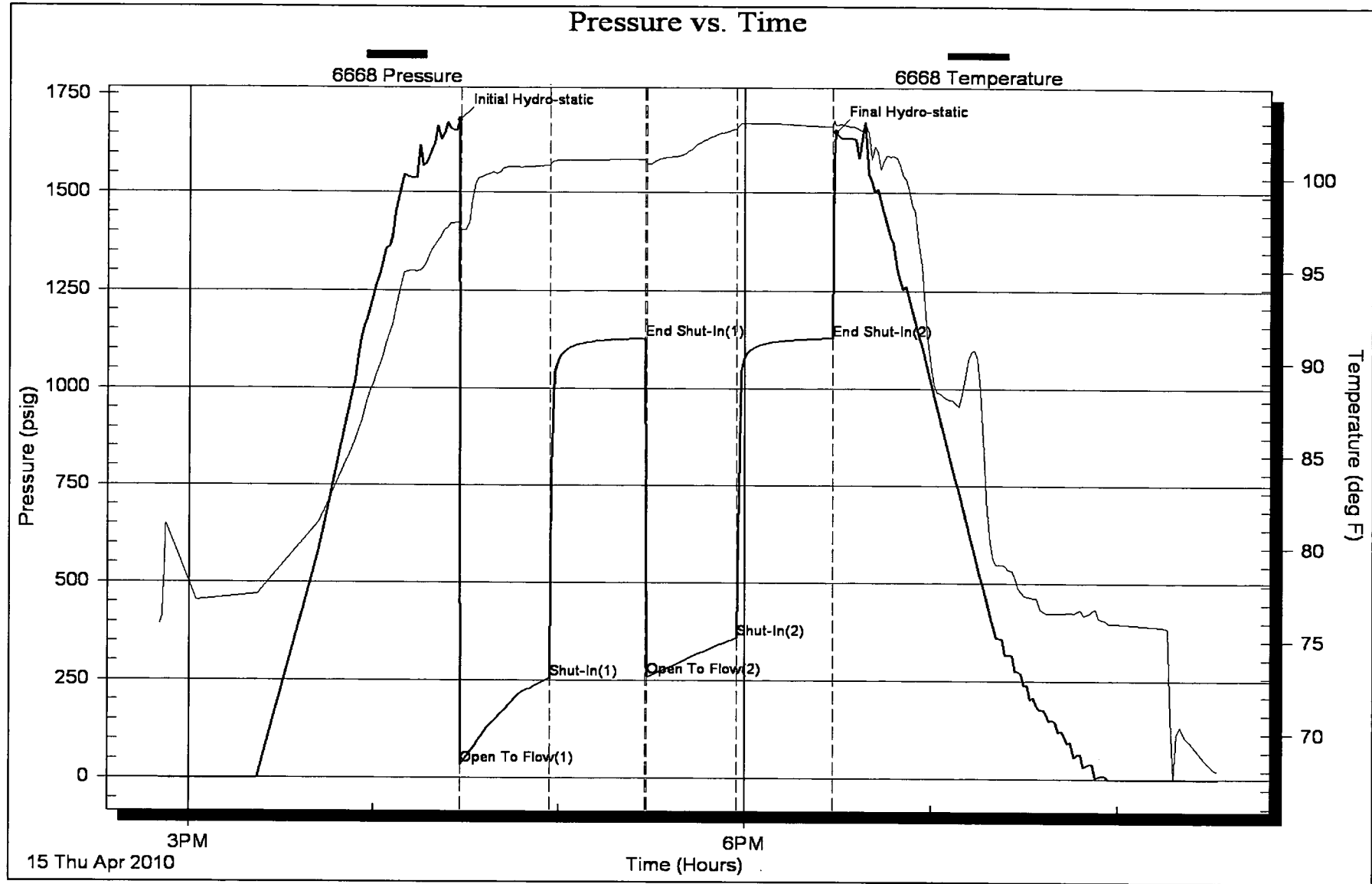
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	14000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6900.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	MW w /scum of oil 70%W, 30%M	0.885
480.00	GMCWO 10%G, 50%O, 10%W, 30%M	4.582
105.00	OCM 10%O, 90%M	1.488

Total Length: 765.00 ft Total Volume: 6.955 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW .48 @ 68F = 14000 ppm chlorides



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