

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
October 2008  
Form Must Be Typed

6/22/10

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  
 Oil  SWD  SIOW  
 Gas  ENHR  SIGW  
 CM (Coal Bed Methane)  Temp. Abd.  
 Dry  Other  
 (Core, WSW, Expl., Cathodic, etc.)

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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  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_  
 Commingled  Docket No.: \_\_\_\_\_  
 Dual Completion  Docket No.: \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No.: \_\_\_\_\_  

<u>03/04/09</u>	<u>03/12/09</u>	<u>05/19/09</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - -051-25855-00-00  
 Spot Description: \_\_\_\_\_  
SE NE NW NE Sec. 5 Twp. 15 S. R. 19  East  West  
470 Feet from  North /  South Line of Section  
1610 Feet from  East /  West Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
 County: Ellis  
 Lease Name: Howard Well #: 1  
 Field Name: Reichart North  
 Producing Formation: Kansas City/Arbuckle  
 Elevation: Ground: 2047' Kelly Bushing: 2052'  
 Total Depth: 3690' Plug Back Total Depth: \_\_\_\_\_  
 Amount of Surface Pipe Set and Cemented at: 219 Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set: 1312' Feet  
 If Alternate II completion, cement circulated from: 1312'  
 feet depth to: surface w/ 150 sx cmt.

Drilling Fluid Management Plan APP IN 3810-09  
 (Data must be collected from the Reserve Pit)  
 Chloride content: 39,000 ppm Fluid volume: 950 bbls  
 Dewatering method used: evaporation  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name: \_\_\_\_\_  
 Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
 County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

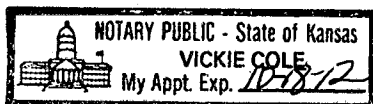
**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information 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.

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: June 23, 2009  
 Subscribed and sworn to before me this 23<sup>rd</sup> day of June, 2009.  
 Notary Public: [Signature]  
 Date Commission Expires: 10-18-12

**KCC Office Use ONLY**

Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution



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Operator Name: TDI, Inc. Lease Name: Howard Well #: 1  
 Sec. 5 Twp. 15 S. R. 19  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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite Top	1302'	+750'
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	1348'	-992'
List All E. Logs Run:		Heebner	3316'	-1264'
Dual Induction		Toronto	3336'	-1284'
Dual Compensated Porosity		Lansing/ KC	3362'	-1310'
Micro Resistivity		Base KC	3605'	-1553'
		Arbuckle	3685'	-1633'

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"	20#	219'	common	150 sxs	3%cal 2% gel
production	7 7/8"	5 1/2"	14#	3685'	EA-2	125sxs	

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	1312'	SMD	175sxs	

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set Type		Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
	Specify Footage of Each Interval Perforated			
open hole	3685' - 3690'		natural	
4 spf	3404' - 3406'		250 gal 15% MA & 750 gal 15% INS	
4 spf	3387' - 3391'		natural	

TUBING RECORD:	Size: <u>2 7/8"</u>	Set At: <u>3681'</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>06/02/09</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i>			
Estimated Production Per 24 Hours	Oil Bbls. <u>25</u>	Gas Mcf	Water Bbls. <u>15</u>	Gas-Oil Ratio <u>36</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input checked="" type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other <i>(Specify)</i>	PRODUCTION INTERVAL: <u>3685' - 3690'</u> <u>3404' - 3406'</u> <u>3387' - 3391'</u>
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**JOB LOG**

**SWIFT Services, Inc.**

DATE 03-12-09 PAGE NO. 1

CUSTOMER TDI INC WELL NO. 1 LEASE HOWARD JOB TYPE 2-STAGE, LOW STRUNG TICKET NO. 15385

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0900							OPLOCATION, LAYING DOWN CMT: 125 EA-2, 1755-0 5 1/2 14" CSG, PAR SHOE RD 3690, SET PIPE, 3685, ST 43.93, INSERT 3691 D.V. OUTLET # 60, 1311 FT CMT 3, 5, 7, 9, 11, 13, 60, 76 BASKET 14, 60, 76
	1150							START CS&AFLOATER
	1400							BREAK CIRC
	1415				✓		1500	DROP PAR SHOE BALL, SET PAR SHOE, 8 CIRC
	1440	5.5	0		✓		200	START MUD FLOW
			12		✓			" HCL "
			32		✓			END
			0		✓			START EA-2 CMT
			30.3		✓			END
								DROP BOTTOM LAXIDEX PLS, WASH OUT PL
	1455	6.5	0		✓		200	START DRIP W/H2O
			56.0		✓		200	" MUD
			59.7		✓		200	CMT ON BOTTOM
			72.0		✓		300	START HCL DRIP
			80.0		✓		600	
			85.0		✓		700	
	1500		88.7		✓		1400	LARD PLUG RELEASE - DRY
	1515							DROP D.V. OPENING DATE
	1515		60.40					PLUG RH, MH - 30, 20
	1533				✓		1100	OPEN D.V.
	1535	5.7	0		✓		200	START SMD CMT @ 11.2
			31.9		✓			CMT ON D.V.
			83.0		✓			END CMT
								DROP CLOSING PLS
	1550	4.0	0		✓		200	START DRIP W/H2O
		4.0	24.0		✓		400	CIRC CMT 1550 TO PIT!
	1600	4.0	31.9		✓		1400	LARD & CLOSE D.V.
	1630							JOB COMPLETE THANK YOU! DAVE, JOSEPH, BOB

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# ALLIED CEMENTING CO., LLC. 037483

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

JUN 24 2009 SERVICE POINT Russell

DATE <u>3-5-09</u>	SEC. <u>5</u>	TWP. <u>15</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>12:00 a.m.</u>	JOB FINISH <u>12:30 a.m.</u>
LEASE <u>Howard</u>	WELL # <u>1</u>	LOCATION <u>Antonia 3 1/2 W Snto</u>			COUNTY <u>Ellis</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Shields

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 222

CASING SIZE 8 5/8 20ft DEPTH 219

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

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

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

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

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

CEMENT LEFT IN CSG. 215'

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

DISPLACEMENT 13 BC

EQUIPMENT \_\_\_\_\_

PUMP TRUCK CEMENTER Craig

# 417 HELPER Matt

BULK TRUCK \_\_\_\_\_

# 378 DRIVER Randy

BULK TRUCK \_\_\_\_\_

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

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 150 cpm

3% CC

29666

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>.08/sk/mile</u>			<u>360.00</u>
TOTAL				<u>3040.75</u>

REMARKS: Cement Circulated! KANSAS CORPORATION COMMISSION

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THANKS.

CHARGE TO: TDI Oil

STREET \_\_\_\_\_

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

SERVICE

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_ 750.00

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE 30 @ 5.00 150.00

MANIFOLD @ \_\_\_\_\_

TOTAL 900.00

PLUG & FLOAT EQUIPMENT

1 5/8 Wooden Plug @ \_\_\_\_\_ 66.00

TOTAL 66.00

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 Engel

SIGNATURE [Signature]

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT [scribble] IF PAID IN 30 DAYS