



KANSAS CORPORATION COMMISSION 1070657  
OIL & GAS CONSERVATION DIVISION

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 RD  
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

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 #: \_\_\_\_\_

08/30/2011 09/05/2011 10/04/2011  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-051-26172-00-00

Spot Description: \_\_\_\_\_  
SE NW NW NE Sec. 22 Twp. 15 S. R. 18  East  West  
480 Feet from  North /  South Line of Section  
2190 Feet from  East /  West Line of Section

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

County: Ellis  
Lease Name: Willard Well #: 1  
Field Name: Schoenchen

Producing Formation: Arbuckle  
Elevation: Ground: 2028 Kelly Bushing: 2038  
Total Depth: 3744 Plug Back Total Depth: 3622  
Amount of Surface Pipe Set and Cemented at: 223 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1203 Feet  
If Alternate II completion, cement circulated from: 1203  
feet depth to: 0 w/ 125 sx cmt.

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)  
Chloride content: 42000 ppm Fluid volume: 900 bbls  
Dewatering method used: Evaporated  
Location of fluid disposal if hauled offsite:  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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.

Submitted Electronically

KCC Office Use ONLY

Letter of Confidentiality Received  
Date: 01/10/2012  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Doanna Gertler Date: 01/13/2012



1070657

Operator Name: TDI, Inc. Lease Name: Willard Well #: 1  
 Sec. 22 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 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:  <small>Dual Induction Log                  Dual Compensated Porosity Log                  Microresistivity Log</small>	<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>1195'</td> <td>+843'</td> </tr> <tr> <td>Topeka</td> <td>2993'</td> <td>-955'</td> </tr> <tr> <td>Heebner</td> <td>3271'</td> <td>1233'</td> </tr> <tr> <td>Lansing/KC</td> <td>3321'</td> <td>-1283'</td> </tr> <tr> <td>Base KC</td> <td>3544'</td> <td>-1506'</td> </tr> <tr> <td>Arbuckle</td> <td>3596'</td> <td>-1558'</td> </tr> </table>	Name	Top	Datum	Anhydrite	1195'	+843'	Topeka	2993'	-955'	Heebner	3271'	1233'	Lansing/KC	3321'	-1283'	Base KC	3544'	-1506'	Arbuckle	3596'	-1558'
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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	12.25	8.625	20	223	Common	140	2% gel, 3% CC
Production	7.85	5.5	14	3742	EA-2	150	

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	0-1203	SMD	125	DV Tool

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
2	3625'-26'		
2	3614-19'		
2	3598'-3606'		
	3622' Bridge Plug		

TUBING RECORD:	Size: <u>2.875"</u>	Set At: <u>3558'</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. <u>10/24/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	40		30		30

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>Arbuckle</u>
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Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

January 09, 2012

Tom Denning  
TDI, Inc.  
1310 BISON RD  
HAYS, KS 67601-9696

Re: ACO1  
API 15-051-26172-00-00  
Willard 1  
NE/4 Sec.22-15S-18W  
Ellis County, Kansas

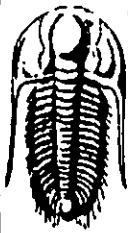
Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Tom Denning





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

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

**Willard #1**  
**22-15s-18w Ellis**  
Job Ticket: 44555      **DST#: 1**  
Test Start: 2011.09.04 @ 00:45:15

**Mud and Cushion Information**

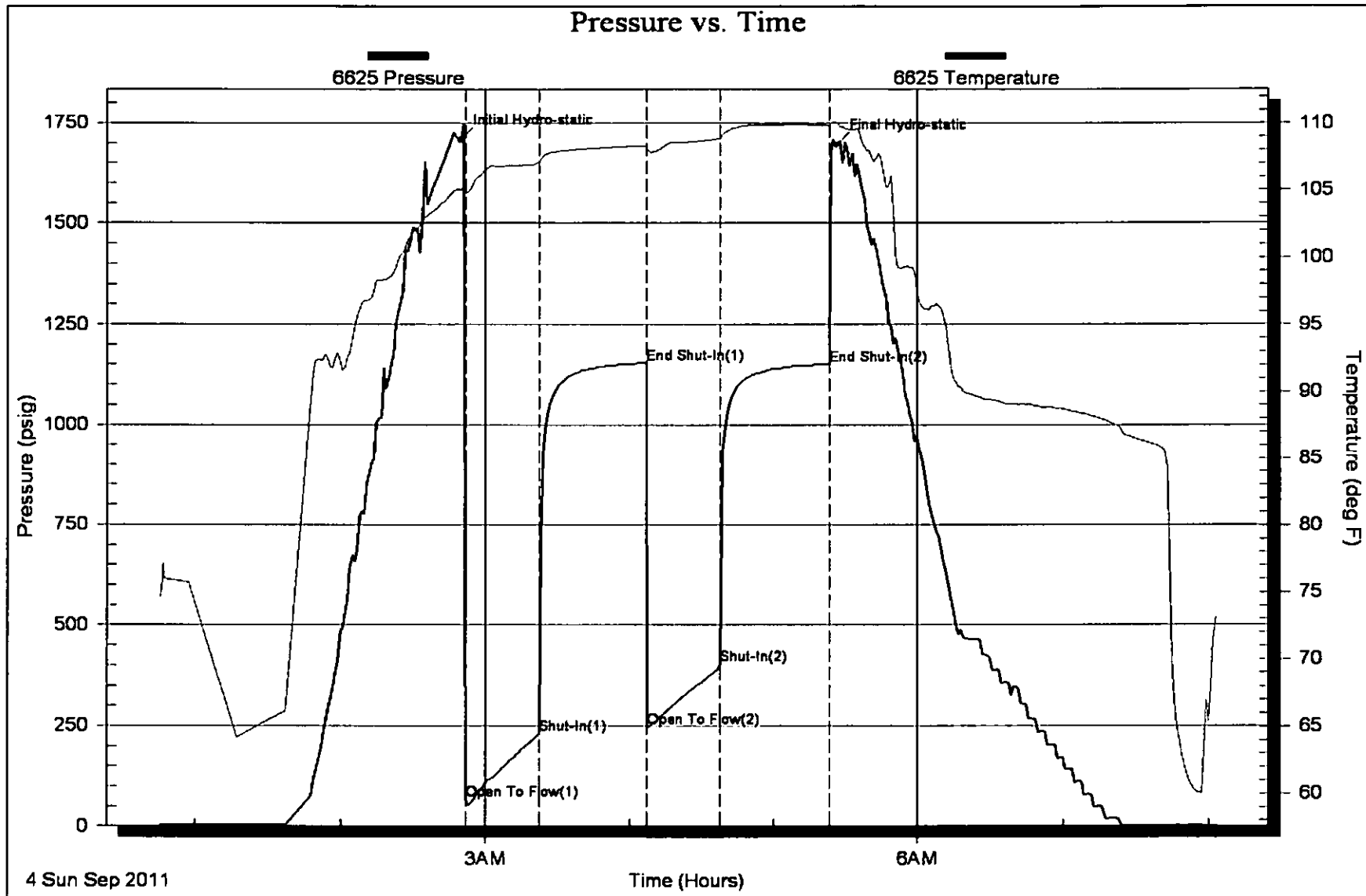
Mud Type: Gel Chem	Cushion Type:	Oil API:	32 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.80 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2900.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
0.00	350'GIP	0.000
425.00	CO	5.962
280.00	MGO 15%G40%M45%O	3.928
250.00	MGO 25%G15%M60%O	3.507

Total Length: 955.00 ft      Total Volume: 13.397 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:





# QUALITY OILWELL CEMENTING, INC.

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

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

No. 5084

Date	8-30-11	Sec.	22	Twp.	15	Range	18	County	Ellis	State	Kansas	On Location	Finish	9:45 PM	
Lease	Willard	Well No.	1			Location	Hays 9S 3E								
Contractor	Southwind Drilling Rig						Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Type Job	Surface						Charge To	TDI							
Hole Size	12 1/4		T.D.	225		Depth									
Csg.	8 3/8 2 3/4		Depth												
Tbg. Size			Depth												
Tool			Depth												
Cement Left in Csg.	10-15'		Shoe Joint												
Meas Line			Displace	134.261		Cement Amount Ordered	150 Common 300 2 3/4								

**EQUIPMENT**

Pumptrk	5	No.	Cement	Star	Common	150
Bulktrk	14	No.	Helper	Star	Poz. Mix	
Bulktrk		No.	Driver	Chris	Gel.	3
Bulktrk		No.	Driver	Michael	Calcium	5

**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
	Sand
	Handling 158
	Mileage

Cement did Circulate.

**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	SURGE
Pumptrk Charge	Surface
Mileage	10

	Tax	
	Discount	
X Signature <i>Frank Rame</i>	Total Charge	



JOB LOG

SWIFT Services, Inc.

DATE 7-5-11 PAGE NO. 1

CUSTOMER TDI WELL NO. #1 LEASE Willard JOB TYPE 2-stage TICKET NO. 20339

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0545							u, loc u. I FE RTD 3745' LTD 3744' 5" X 14" X 3745' X 39' Cort 1, 3, 5, 7, 9, 11, 13, 59, 29 Baskets 2, 13, 60, 80 DV 600 1205'
	0900							Start FE
	1048							Break Circulation
	1155	4.5	0			150		Start Pre-flushes 5-oz/gal Mud Wash 20 bbl KCl flush
	1202	5.5	32/0			200		Start Cement 150 SKS EA-2
	1210		36					End Cement Wash P/L
								Drop LD Plug
	1214	6.5	0			150		Start Displacement
	1224	5	68			200		Catch Cement KCl in last 20 bbl
	1230		90.5			6 1/2 / 1200		Land Plug Release Pressure Float Hold
								Drop Opening Plug
	1235	2.5	7/5					Plug BH+MH 30/20cks SMD
	1245					1100		Open DV
	1247	6	0			100		Start Cement 125sks SMD
	1259		70					End Cement Drop Closing Plug
	1302	5	0			100		Start Displacement
	1307	4	26			350		Circ Cement
	1308		29.5			450 / 1400		Land Plug Close DV Release Pressure DV Closed
								Circ 25 sks to pit
								Thank you Nick, Josh F. & Rob

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January 10, 2012

Tom Denning  
TDI, Inc.  
1310 BISON RD  
HAYS, KS 67601-9696

Re: ACO-1  
API 15-051-26172-00-00  
Willard 1  
NE/4 Sec.22-15S-18W  
Ellis County, Kansas

Dear Tom Denning:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 08/30/2011 and the ACO-1 was received on January 10, 2012 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department