

Confidentiality Requested:

Yes No

# Kansas Corporation Commission Oil & Gas Conservation Division

1223570

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

# WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R 🗌 East 🗌 West
Address 2:	Feet from
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
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:	Producing Formation:  Elevation: Ground: Kelly Bushing: Feet  Total Vertical Depth: Plug Back Total Depth: Feet  Multiple Stage Cementing Collar Used? Yes No  If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:  Deepening Re-perf. Conv. to ENHR Conv. to SWD  Plug Back Conv. to GSW Conv. to Producer  Commingled Permit #:  Dual Completion Permit #:  SWD Permit #:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)  Chloride content: ppm Fluid volume: bbls  Dewatering method used:  Location of fluid disposal if hauled offsite:
☐ ENHR         Permit #:           ☐ GSW         Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	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				
Confidentiality Requested				
Date:				
Confidential Release Date:				
Wireline Log Received				
Geologist Report Received				
UIC Distribution				
ALT I II Approved by: Date:				



Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ring and shut-in pressu	ormations penetrated. Eures, whether shut-in predict final chart(s). Attach	essure reached stati	c level, hydrosta	atic pressures, bott		
		otain Geophysical Data a or newer AND an image		ogs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taken (Attach Additional S		Yes No			on (Top), Depth an		Sample
Samples Sent to Geol	logical Survey	Yes No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD Ne	ew Used			
			conductor, surface, inte		ion, 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
		ADDITIONAL	CEMENTING / SQL	JEEZE RECORD			
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	
Did you perform a hydrau	ulic fracturing treatment o	n this well?		Yes	No (If No, ski	p questions 2 aı	nd 3)
Does the volume of the to	otal base fluid of the hydr	aulic fracturing treatment ex	_	= :	No (If No, ski	p question 3) out Page Three	
Shots Per Foot	PERFORATIO Specify F	N RECORD - Bridge Plug ootage of Each Interval Per	s Set/Type forated		cture, Shot, Cement mount and Kind of Ma		d Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or ENH	HR. Producing Meth		Gas Lift (	Other (Explain)		
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf Wate	er B	bls. G	as-Oil Ratio	Gravity
DISPOSITIO	ON OF GAS:	Open Hole		Comp. Comp.	mmingled	PRODUCTIO	ON INTERVAL:
	bmit ACO-18.)	Other (Specify)	(Submit )	4CO-5) (Sub	omit ACO-4)		

Form	ACO1 - Well Completion
Operator	TDI
Well Name	Charlotte Trust 1
Doc ID	1223570

# Casing

Purpose Of String	Size Hole Drilled	Size Casing Set			Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	1137	SMD	375	
Production	7.875	5.5	14	3634	EA-2	175	

**OPERATOR** 

Company: TDI, INC.

Address: 1310 BISON ROAD

HAYS, KANSAS 67601

Contact Geologist: TOM DENNING Contact Phone Nbr: 785-628-2593

Well Name: CHARLOTTE TRUST # 1

Location: E2 SW SE NE SEC.23-15S-18W

API: 15-051-26,723-00-00

Pool: IN FIELD Field: LEIKER SOUTHEAST

State: KANSAS Country: USA



Scale 1:240 Imperial

Well Name: CHARLOTTE TRUST # 1

Surface Location: E2 SW SE NE SEC.23-15S-18W

Bottom Location:

API: 15-051-26,723-00-00

License Number: 4787

Spud Date: 8/23/2014 Time: 5:00 PM

Region: ELLIS COUNTY

Drilling Completed: 8/28/2014 Time: 7:08 PM

Surface Coordinates: 2310' FNL & 750' FEL

**Bottom Hole Coordinates:** 

Ground Elevation: 1955.00ft K.B. Elevation: 1965.00ft

Logged Interval: 2850.00ft To: 3650.00ft

Total Depth: 3650.00ft Formation: ARBUCKLE

Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

### SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.2850196
Latitude: 38.7341293
N/S Co-ord: 2310' FNL
E/W Co-ord: 750' FEL

#### **LOGGED BY**



Company: SOLUTIONS CONSULTING, INC.

Address: 108 WEST 35TH STREET

HAYS, KANSAS 67601

Phone Nbr: 785-625-3380

Logged By: GEOLOGIST Name: HERB DEINES

CONTRACTOR

Contractor: SOUTHWIND DRILLING, INC.

Rig #: 1

Rig Type: MUD ROTARY

Spud Date: 8/23/2014 Time: 5:00 PM
TD Date: 8/28/2014 Time: 7:08 PM

Rig Release: 8/29/2014 Time: 6:00 PM

#### **ELEVATIONS**

K.B. Elevation: 1965.00ft Ground Elevation: 1955.00ft

K.B. to Ground: 10.00ft

#### **NOTES**

RECOMMENDATION TO RUN PRODUCTION CASING BASED ON LOG ANALYSIS AND STRUCTURALLY HIGH ARBUCKLE SECTION

OPEN HOLE LOGGING BY PIONEER ENERGY SERVICES: DUAL INDUCTION LOG, DUAL COMPENSATED POROSITY LOG, MICRORESISTIVITY LOG

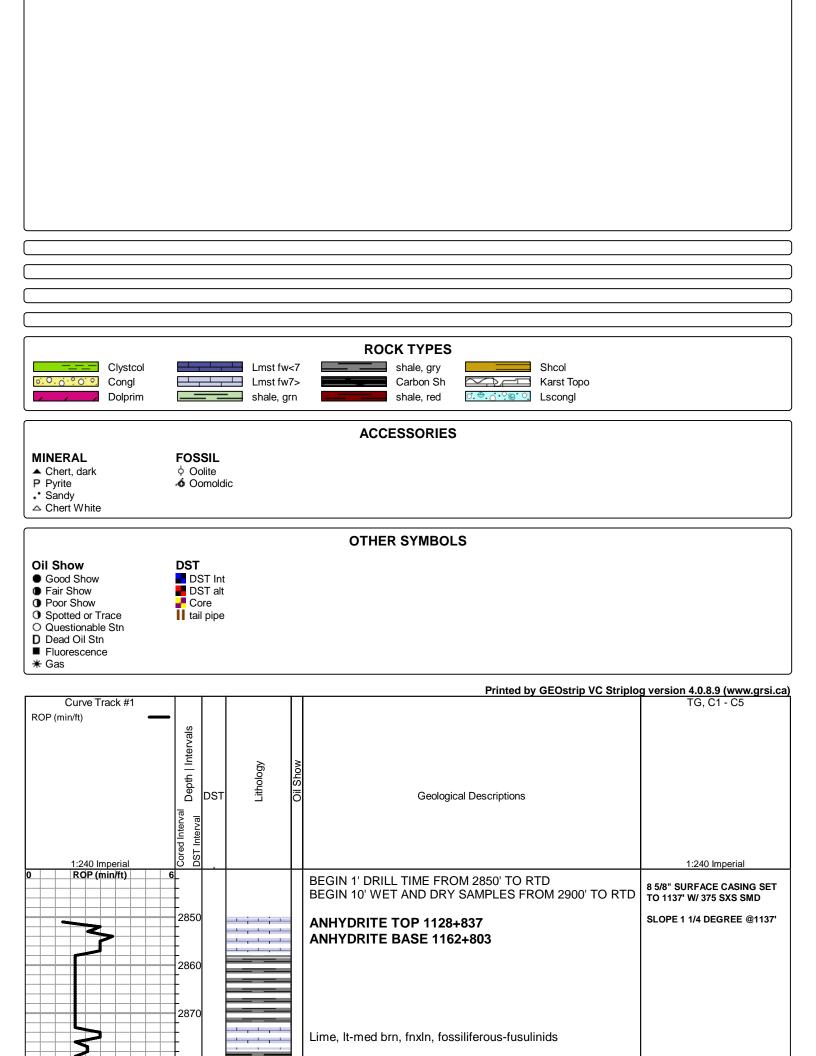
NO DRILL STEM TESTS WERE RAN ON THIS WELL

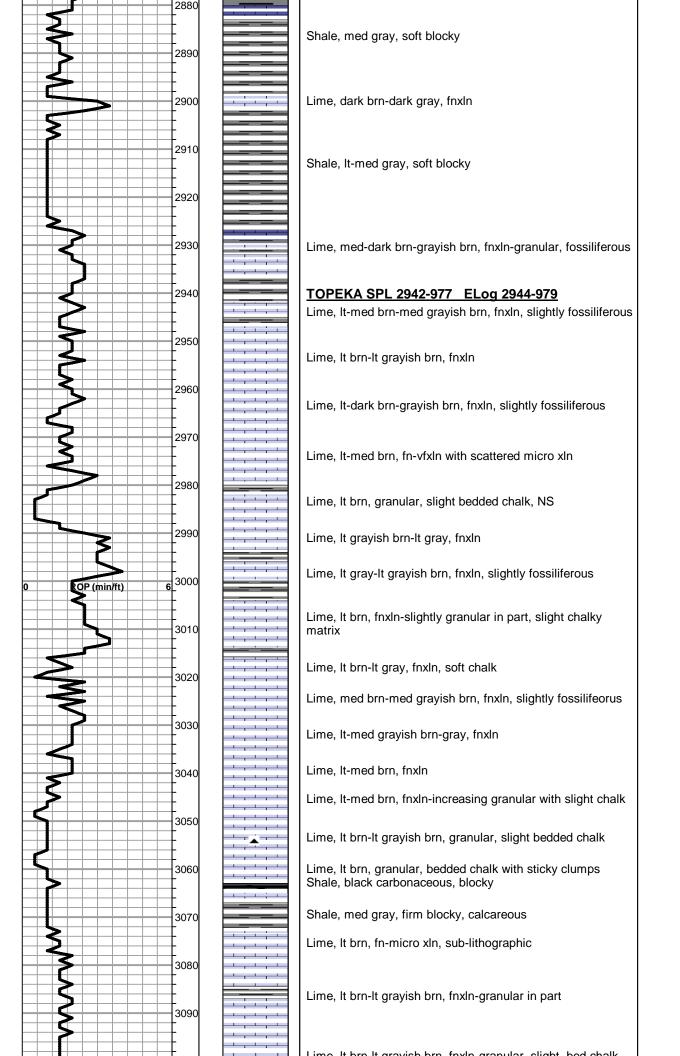
#### **FORMATION TOPS SUMMARY**

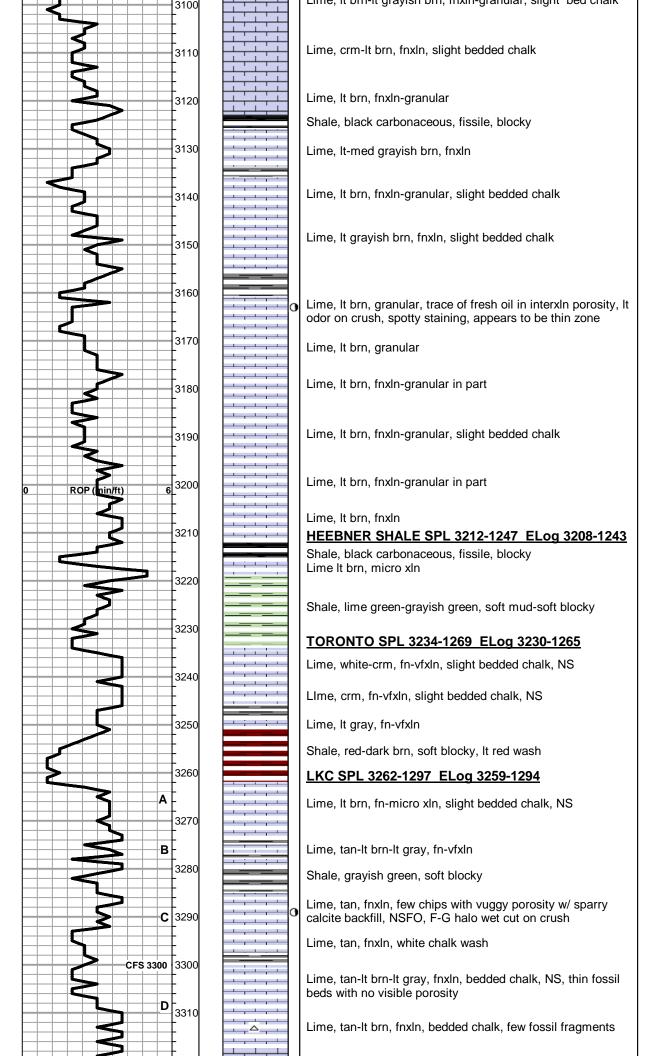
CHARLOTTE TR #1 E2 SW SE NE SEC.23-15S-18W 1955'GL 1965'KB	GROSS # A-3 NE SE NE SEC.23-15-18W KB 1977'	GROSS # A-2 SW SE NE SEC.23-15-18W KB 1947'
LOG TOPS	LOG TOPS	LOG TOPS
1128 +837		
1162 +803		
2944 - 979		
. 3208-1243	-1243	-1247
3230-1265	-1264	
3259-1294	-1290	-1297
3480-1515	-1514	-1509
3522-1557	-1571	-1593
3650-1685	-1576	-1608
	E2 SW SE NE SEC.23-15S-18W 1955'GL 1965'KB  LOG TOPS  1128 +837 1162 +803 2944 - 979 3208-1243 3230-1265 3259-1294 3480-1515 3522-1557	E2 SW SE NE SEC.23-15S-18W SEC.23-15-18W 1955'GL 1965'KB KB 1977'  LOG TOPS LOG TOPS  1128 +837 1162 +803 2944 - 979 . 3208-1243 -1243 3230-1265 -1264 3259-1294 -1290 3480-1515 -1514 3522-1557 -1571

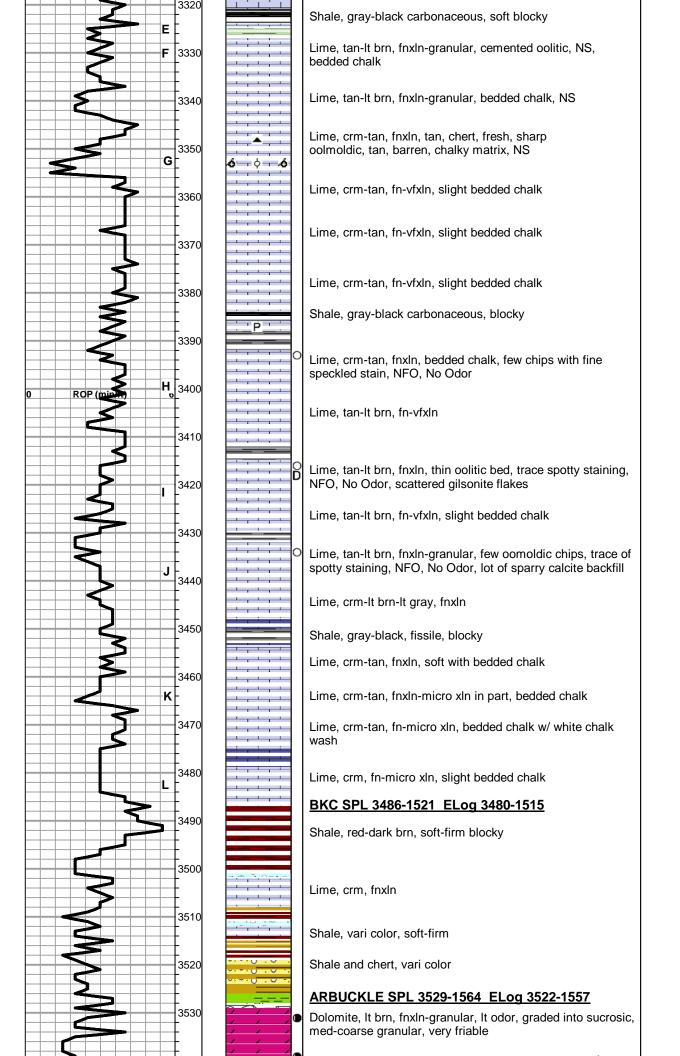
## **SUMMARY OF DAILY ACTIVITY**

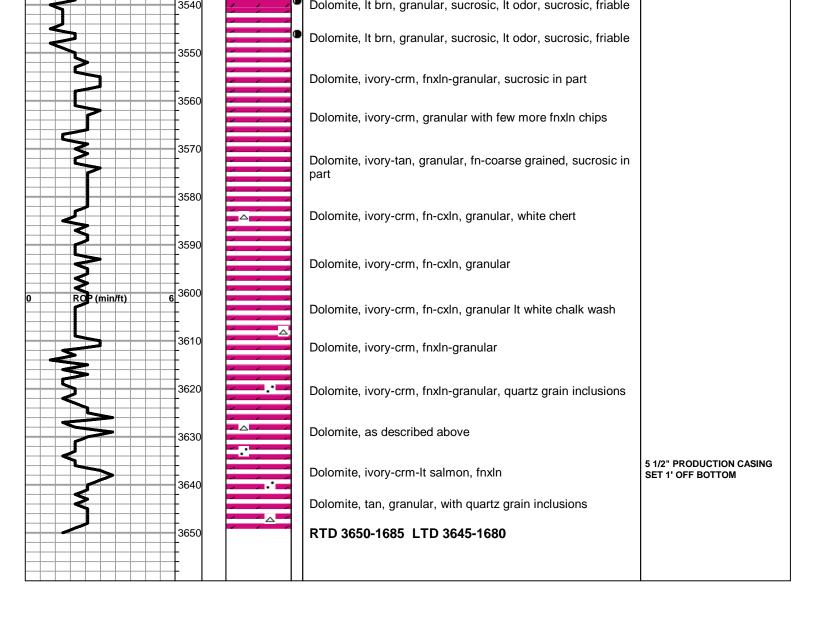
8-23-14	RU, spud 5:00 PM
8-24-14	955', set 8 5/8" surface casing to 1137' w/ 375 sxs SMD, slope 1 1/4
	degree, plug down 7:00PM, WOC 12 hrs
8-25-14	1137', WOC, drill plug 7:00 AM
8-26-14	2216', drilling
8-27-14	2923', drilling, displaced 2850' to 2865'
8-28-14	3400', CFS 3300', drilling, RTD 3650' @ 7:08PM, CFS 3650', short trip
8-29-14	3650', TOWB, logs, TIWB, LDDP, run production casing, RD











SWIFT Services, Inc. DATE \$ 24-14 PAGE NO.
TICKET NO.
26780 JOB LOG WELL NO. Charolette Trus Coment Sustane CUSTOMER PUMPS TO 1137' DESCRIPTION OF OPERATION AND MATERIALS CHART NO. VOLUME (BBL) (GAL) TIME C 8/8 On location - Float Egging 19630 Start 85/6"-23#/ft casing to 1136"
Battle Plate - S.J-28' = 1109'= 701/288) 15:30 Cent -1-3-13 Fin running casing 1700 1715 Ris cir casing Fin cir Hook to Built Pump soo gal Merol Plush 1800 Start 100 SKS SMD @11.8 #/gel 50 150 Start 150 sks smD @ 12.8 #/gol 58 Start 75 sks sup @ 13.5#/gel 23 200 200 Start SO SKS SMD @ 14,5 #/gol 44 Total 881 Fin ent, Release Top Plag Start Displ-east Circulation 6 701/2 1900 400 Plus Down Close in Joh Complete Lexistrap + Radery

TOMER	40	_	WELL NO. #	,	***************************************	SWIFT				TICKET NO.
2010,000,000,000	T.D.			/		Charle	tte 7	Fust	Coment Longsti	ring 26785
HART NO.	TIME	RATE (BPM)	VOLUME PUMPS (BBL) (GAL) T C			PRESSUF TUBING	RE (PSI)	153	bedy Description of Opera	ATION AND MATERIALS
	11:30								10 cation - Ac	sat eques.
									ing talley casing	
	1200	erra terreta de Proposition de Laboratoria de Labor						Short	51/2"=14#/41	nsing to 3434'
										Auto-Rill
								L.D.	Baffle S.J. 40	2'@ 3592'= 87%
									- No's 1-89-4	
									Baskets Pin and	
								Dro	p fill-up ball	3 Fo out
	1415							Fins	un casing - 7	Tag & Ley It down
	1430							St	art cir / Rotate	
	1530							F	i cir	
			06			2		鬼	Plug RH-30 SKS	cut / MH-20015 CM
								Pin	10 500 gal Mu	eral Plesh
								Rew	p 500 get M	Aush
								Sta	ot 125 SKS EA	- 2 emf
								F	in court	
								le	Jack out pump	ot lines
						e da a companyo e e e e e e e e e e e e e e e e e e e		Drox	L. D. Phy	
		8					300	,	Start Displ	
		74	53				350	laus	H lift - 81	low rate
		5	87							
	1615		871/2				1400	Ph	a DOWN - Hele	1- Release of thelel
								70	b Complete	
								11/18	b Complete	S
	1700					***************************************		trus.	105	
	/								Maries	
								0	11 /00 7	Jan
								-	A	-P Nic
									0	ring