

108 W. 35th ST.
HERB DEINES
 CONSULTING GEOLOGIST
 PH. 785-625-3380 HAYS, KS 67601

COMPANY IDI Inc.
 WELL # 111111
 FIELD Schoonover
 COUNTY Ellis STATE Kansas
 LOCATION: 280' E 31st & 15th St. SE 1/4
 Elevation: KB 1948'
 DF 1988'
 GL 1988'

Logging by: sec 21 Twp 15. RGE 18m
 Log Tech: 1. Duvall, J. 2. Duvall, J.
 3. Duvall, J. 4. Duvall, J.
 5. Duvall, J. 6. Duvall, J.

Production casing 5 1/2"
 Drilling Time 2900' - AITD
 Samples 2950' - AITD

Date	Depth	Activity
9-06-11	300'	MDA set SP
9-07-11	1149'	WOC Kickoff Day
9-08-11	2125'	Day
9-09-11	2220'	Day
9-10-11	3400'	Day
9-12-11	3582'	Day DST # 1
9-13-11	3650'	Run CG RD

REMARKS: Recommendations To Ann production casing based on positive results of DST #1.

Herb Deines

Bit Record

Make & Type	Serial No.	Nozzles	Depth In	Depth Out	Hours

Formation Sample Log Datum * Formation Sample Log Datum *

Hydrate Top	1143	1143	+ 855				
Hydrate Base	1180	1177	+ 821				
Tecela	2741	2738	- 940				
Hecker Shale	3225	3221	- 1223				
Tecela	3245	3241	- 1243				
LRC	3271	3270	- 1272				
BHC	3499	3496	- 1492				
Coalganite Sand	3577	3574	- 1576				
Barble		3601	- 1603				
RTD		3650	- 1652				
LTD							

* Structural Position to:

LEGEND

Anhydrite Salt Sandstone Shale Carb sh Limestone Ool. Lime Chert Dolomite

SCALE " = 100'

Depth	Drilling time in minutes	Sample Description	Remarks, drill stem tests, etc.
20			Mud System - Gel Chemicals / Mud Co
30			Slope Survey 1149' 1°
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DST # 1 3481' - 3582'
 30-30-30-30
 Rec: 121' 80cm-10% O, 90% m
 186' 0/6m-20% G, 20% O, 60% m
 186' 0/6m-30% G, 60% O, 10% m
 67' mO - 90% O, 10% m
 Gravity 29
 BHT: 107°
 ISIP: 1035 #
 FSP: 1032 #
 FP: 82-217, 234-307
 1st Blow-Strong BOB 4 min 15 sec
 2nd Blow-Fair BOB 8 min
 No blow back

Slope Survey 3650' 1 1/2°

JOB LOG

SWIFT Services, Inc.

DATE 09-07-11 PAGE NO. 1

CUSTOMER TD, I WELL NO. 1 LEASE ENGEL JOB TYPE DEEP SURFACE TICKET NO. 22073

CHART NO.	TIME	RATE (BPM)	VOLUME (BB) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1500							ONLOCATION
								375 SLS SMD 1/4" FLUCEL
								12 1/4 @ 11.7
								8 3/8 @ 11.7 @ 11.7. SJ-38.50, INJECT 1109
								CMT 113.12
								2 JOINT OUT
	1745							START C50 FLUCEL
								HOOUP
	1930							BREAK CIRC W/RIG
	1950	6.0	12.0	-		350		500 GALS MUD FLUSH
			0	-		350		START CMT 75 SLS @ 11.7 "/SM
			35.5	-		5		150 SLS @ 12.5 "/SM
			93.0	-		300		100 SLS @ 13.0 "/SM
			127.0	-		5		50 SLS @ 14.5 "/SM
			142.0	-		300		END CMT 375 SLS
								RELEASE 8 3/8 PLUG
	2020	6.7	0	-		150		START DISP
			25.0	-		250		- CIRC CMT TO PIT! -
			35.0	-		300		<u>80 SLS</u>
			50.0	-		400		
			60.0	-		450		
	2050	5.5	70.7	-		600		LAND PLUG
								CLOSE IN
								WASHUP
	2100							JOB COMPLETE
								THANK YOU!
								DAVE, JOSEPH, LANE

JOB LOG

SWIFT Services, Inc.

DATE 7-13-11 PAGE NO. 1

CUSTOMER TDI WELL NO. #1 LEASE Engel JOB TYPE Cement Logging TICKET NO. 20310

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		TD 3650 DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0300							On location w/ Float Equip
	0445							Rig LD DC. / RH / MH / change over start 5 1/2" 14 #/ft (5ug to 3649')
								Insert Float Shoe w/ Auto-Fill
								LD Baffle - SS 42.22' @ 3618'
								Cent 1-3-5-7-9-11-13
								Cent Basket Pin end # 2 # 10
								Drop fill up ball to JTs out
	0600							Fin run casing - Tag bottom
	0620							Rig st circ casing / Desc mixed
								Fin circ. & Potate
			8/5					Plug RH-30 SKS MH-20 SKS
		5	12					Pump 500 GAL Muck Flush
		6	20					Pump 20 BBI KCL flush
		4						Start 125 SKS EH-2 cut
		4 1/2	36					Fin cut - Wash out Pump Lines
		9						Drop LD Plug - start Displ.
			50					First 15 BBI KCL wtr
		2	70					@ 50 BBI wtr not coming on
		2	88					Very good - Go Direct still
	0815							NOT good - Land Plug
								Held/Release/Held
								Washing & Racked

32

1000
1500

Wells
Don Brains
Wayne Wood