3385' 3780'	Drilling Time 2900' - RTD Samples 2950' - RTD Daily Penetration Rate Date Depth Activity 9-28-11 575' Daily Pals Date Depth Activity 9-30-11 575' Daily Date Depth Activity 10-01-11 2810' Daily Date Depth Activity	1. Dual Tudus Tion Log 4. 2. Dual Compensated Panes: 7/Log 5. 3. Contractor Southwind Dailling Inc R:g # 1 Commenced 9-28-2011 Completed 10-03-2011 RTD 3750' Set To 223' W/ 1505X5 Common 2% Gel 3% CC Broduction Casing 8 5/8" set To 223' W/ 1505X5 Common 2% Gel 3% CC	Ellis Ellis SL + 1700	108 W. 35 th ST. PH. 785-625-3380 HAYS, KS 67601 COMPANY TDI. Twc.
Formation	ATTION TO plug a plan STRUCTURE & lack STRUCTURE & lack Sample Log D 1257 1254 1295 1291 3039 3039 3315 3314 3337 3334 3342 3360 3593 3590 3450 3490 3483 3750 3748	Patum ★ Formatic + 810 + 773 - 975 - 1250 - 1270 - 1276 - 1526 - 1526 - 1586 - 1586 - 1684 - 1684		
Lithology Drilling time in	s Salt Sandstone	LEGEND Shale Carb sh Lin CALE " Sample Descri	= 100' iption Remarks, Mud SysTer Mud Co	drill stem tests, etc. m-Gel Chemical 1Rvey 223' 1/4°

			40 50			
		Huhydrite Top 2125V = 801	60			•
en e			70			
			80			مر ۲۰۰۰ ۲ ۲ ۲
		1295 + 769	90 1300			
			2900^		Displace 2868'-2900'	
. 4			10			
			30	L'M BAN-JRAY FNX/M Sharay		
			40	Lm LT-Med BAN FNX/N Foss inport chold in port		
			50 60	Lm LT-dark BRN FMX/N S/i Foss Shgany pyriTis		
			70	Lm med ban Frx/N		
			BS	Lm ht-med ban - gray Frexh		
			90 3000	Lin med-daak bran Fix/n Sli Fazz chalk :n part		
			10	Lm hT-doak ban Fux/n Foss in port Sh gary calc		
			20	· · · · · · · · · · · · · · · · · · ·		
		Topeka	30 40	Sh LT-med gAMY blocky & SO & T		
		3039-975	50	Lm LT-med ban FNX/N-gANNULAA Fusiliwids W Chalk		
•			60	Sh gray calc LmbRN-gray FNX/N		
			70	Fors iN PART		
			80 90	Lm cpm-bAN FNXIN w Chalk in pre	<u>q</u>	
· , · ·			3100	Lm LT-med ban Frux/n m s); chall S/i Foss		
· · · · · ·			10	Lm LT- med ban FNXIN		
			20 30	Lm offuht - ban FNX/N-gpANUlar		
			40	Im LT-Med DRN-gAAY FNX/N Scotlend CRYPTOX/N Lm		
			50	Lm offwht - Medban - gany Finxlar		
\$			60 70	Lm LTGANY- LTONN FAIXIN-GANNULA		
			80	Sh bik Conb Lm FNXIN - gaarulan w chalk		•
			90	Lm CAM-LT BAN FN-VFX/N Chilk in part		
			3200 10			
			20	Lmoff uht - Ltban FNX/N wsli Cholh Sli Fass		
			30	Lmoffwht- LTBAN FAXIO-GRANULAR W Shalk in MAT		
			40 50	Sh gmmy sizelle		
			60	Lm LT - Med ban - Offwht FNXN- gAMNULOA - cholk		
			70	Lm LT-med ban FNKIN-gRANNler wChalk		· · · · · · · · · · · · · · · · · · ·
			80 , 70	Lm LT-med ban FW -VFYIN - chath SliFors in port		
			3300	hm LT-med ban Frixw w shalk		
		Heeloven Shale	10	Lm LT-Med ban Faxlow chalter		
		2313-1251	20 30	Lm med ban vfx/n		
			40	5h LimegAN, LTGARY Lm CRM-LTBAN FN-UFX/N w chalk NS		
			50	Lm com. LI bon Fuxin - chilk		
		₹ 4KC ₹ 3362+1298	60 70	Sh Red, BAN Lm CAM-LTBAN FN-UFX/N Cholk iNPART NS		
			80	Im LT-Mad ban FN-UFX/N w Sli Cholk		
,			90	Sh GANY PYAITIC CLUETERS Lm CRM-LTBAN FN-UPN/N Blichelk		
			3400 10	Lm cam-Lt& AN- gAAY FN-VFX/N		
			20	LM CAM. LT BAN - L-TJAN/ FN-UFX/N NS W Chalk Sh blk Capb		
			30	Lon htsony wagneen Toul import Fuxlu		
			40 50	LMCAM FU-UFX/W w chalk NS		
			60	Lm com- LT ban Fox/N- CANAby inpu Choiny NS		
Х 	G F F F F F F F F F F F F F F F F F F F		70	Lm CAM- LT ban FN-UFX/nunchalk		
			80 90			
			90 3500	LM CAM-LT BAN FN-UFX/W w che/k		
			10	Lm chm-ht on FN-UFX/W wchik Lm off wht. Ltban FN-VFX/W Cholky		
•			20 30	Cholky Lm LT= med - Jack ban FN-VFX/N w Chalk		
			40	EN-VEXIN WChilk Lm L+ ban VEXIN cholk in part		
			50			
			60 70	hm wht-cam fax/ru-vfx/ru Cholky gilsonielisc specke in pant		-
				Lm white cam FN-UFX/ w chilk		
		3593-1529	90	LynwhT-CAM FN-UFKIN		
			3600 10	Sh Red, ban		
			20	hm c Rm FN-VFXh Sli Chalky ShRed		
			30	LM CAM-LT BAN FAX/N Slichells Chenty Nscollened glacowite gpocks		
		Chestly Condiamenate	40 50	Sh Rod wash		
				Chastic Mix wsome fime, chapts soud a shale		
			70	Red wash ShachenTs JAAi Color Scallened SS clustere NS Red wash ShachenTs Vani Color		-
		2683-1619	80	Dol wh 1º FNX/N NS NOOdor		
			ł	pol whit- Ivony FNX/N Few specks glaanite		
				DolwhT-Juory FruxIn wscit maxb NS		
			30	Dolwht-Suppy Fox/r scollened Speal Chrat, wht-Class		
			4 <i>0</i>	Dol wht-Juony FNX/W Scattened QT2 gANINS imbedded		•
		37.50 4:56 Mm 10-03-2011	50	Dolwht-Ivony For-Mdxh		· ·
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Phone 785-483-2025 Cell 785-324-1041	Home Office	e P.O. Box 32 R	ussell, KS 67665	No	5007
Sec	. Twp. Range	County	State	On Location	Finish
Date (7-3-1) 2-	2 14 18	Ellis	Ramsas		2:300 m
Lease Photos	Well No.	Location Har	45 BE A	Tulo	
Contractor Sathurne	Dillar Rel	Owner	,	· · ·	
Type Job	12.2		Oilwell Cementing, Inc ereby requested to rent		at and furnish
Hole Size 73	T.D. 375	cementer	and helper to assist ow	ner or contractor to d	lo work as listed.
Csg.	Depth	Charge - To	TDT		
Tbg. Size	Depth	Street			
Tool	Depth	City		State	
Cement Left in Csg.	Shoe Joint	1	was done to satisfaction a	and supervision of owne	r agent or contractor.
Meas Line	Displace		mount Ordered 205	- welto 431	
	IPMENT	the F	o Sent per sk		[]
Pumptrk No. Cementer	tery	Common	123		
Bulktrk 3 No. Driver 7	inia	Poz. Mix	E2		
Bulktrk No. Driver	eren	Gel.	7	· · · · · · · · · · · · · · · · · · ·	
	ES & REMARKS	Calcium	{		
Remarks:		Hulis			
Rat Hole		Salt		-,	
Mouse Hole		Flowseal	500A		
Centralizers	and and here a subscription of the second	Kol-Seal			
Baskets	and a second	Mud CLR	48		
D/V or Port Collar			r CD110 CAF 38		
15- Plug & 3655	255-	Sand			
		Handling	217		
2nd 11 11275	25.	Mileage		n an	
j <i>n 1-2</i>	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		FLOAT EQUIPM	ENT	
3th in in Slot	102er	Guide Sho			
		Centralize		· · · · · · · · · · · · · · · · · · ·	
lynn n 40	10 sx	Baskets			
	<i></i>	AFU Insert	S		
Rot Hale	32.	Float Shoe	in the second		
		Latch Dow	the second s		
Mar Ilala antes	10-	Q5 1	2.2		
ruse The	/55	08 6	wood the		
1 the		Pumptrk C	harge		
1 Kut		Mileage	7 price		
14		wineage	í l J-	Tax	
				Discount	
X Signature				Discount	

Phone 785-483-2025 Cell 785-324-1041		eral Tax I.D.# 20 e P.O. Box 32 R	ussell, KS 67665	No.	5345
Sec.	Twp. Range	County	State	On Location	Finish
Date 9-28-11 27	14 28	Elis	KS		7.15pin
Lease Prester 1	Well No.	Location Havs	5 Butterfield-	Tixil 3/45 1	Pinto
Contractor Southwind #1	/	Owner			
Type Job Surface			Oilwell Cementing, Inc ereby requested to rent		and furnish
Hole Size 12:14	T.D. 22.5		and helper to assist ow		
Csg. 8518	Depth 223	Charge To	77).7		
lbg. Size	Depth	Street			
Fool	Depth	City		State	
Cement Left in Csg. 15'	Shoe Joint		was done to satisfaction a		agent or contractor
Meas Line	Displace 13R			com 3%	<i>i</i> .
EQUIP			······································		<u> </u>
PumptrkNo. Cementer	aig	Common	150		
Bulktrk No. Driver Ste	we	Poz. Mix			
Bulktrk 14 No. Driver	/	Gel.	3		
JOB SERVICES	& REMARKS	Calcium	5		
Remarks:		Hulls			
Rat Hole		Salt	n an		
louse Hole		Flowseal	anna ann ann ann ann ann ann ann ann an		
Centralizers		Kol-Seal			
askets		Mud CLR	48		
D/V or Port Collar		CFL-117 o	or CD110 CAF 38		<u> </u>
85/2 on hotte	n. Fit Pro	Jation Sand	······································		
Mix 150 SC 4 15	splace	Handling	150		
1	n	/ Mileage		en di casta	
PARMIT	vestater)		FLOAT EQUIPM	ENT	
Comme	, roo har c	Guide Sho			
		Centralize			
		Baskets	85/2.	SURAP	
		AFU Insert	ts	and the second s	
		Float Shoe		e de Jerrene du Ar F	······
		Latch Dow		e tida er de la company	
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				an the state	<u></u>
1997 - 1997 -		Pumptrk C	harge Sunf	2	
	nKSi	Mileage	harge Suntack		
Indi		ivineage		Tax	
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Signature Rech X	1/				