CEMENTING TRI	EATMENT 1	REPORT			PIC	NEER		TREATMENT NUMBER SO2011007					4/24/2011							
					-	AL RESOURCES					STAGE		JOB TYI	PE						
WELL NAME AND NO.					LOCATION			RIG NAME:			<u> </u>	1		CEMEN'	T PUMPER:	Long String				
Thurow-Tate ATU FIELD						Sec. 33 T30S, R36V		Trini			nidad Drilling				2304	ler				
Hugoton			FORMATI	Chase/Council Grove		WELL DATA BIT SIZE 7 7/8			CSG/Liner Size	+		FT TOP		FT						
COUNTY	rugoton			STATE	AFE				WEIGHT	5 1/2 17	†				1					
Grant			1	Kansas	MUD TYPE							1								
			-	•		BHST			GRADE	J-55										
RIG FOREMAN			Phillip Gibson	l		ВНСТ			THREAD	LT&C										
						MUD DENSI	ГҮ		LESS FOOTAGE SHOE JOINT(S)	42					TOTAL:					
CEMENT SUPERVISOR Stan Owens							MUD VISC			Disp. Capacity	70.6					70.6				
CEMENT EMPLOYEES Nick Ricchuit				i Bruce Green	and J.R. Ortiz		Include Footag	e From Ground	Level To Head In	Disp. Capacity	I	TYPE	1	Ι						
CEMENT EMI LOTEES NICK RICHARD					i,bruce Green	and J.R. Ottiz		DEPTH				100	DEPTH							
								TYPE DEPTH				Stage Tool	TYPE							
SPECIAL INSTRUCTIONS										<u> </u>	TBG	D.P.	DEPTH							
								Head & Plugs			SIZE	D.P.	70	TYPE						
								Double	Вох 6	WEIGHT			TOOL	DEPTH						
								Single		GRADE			TAIL PIPE:		SIZE		DEPTH			
								Swage		THREADS			TUBING VO	LUME			BBLs			
		T						Knockou	ıt	New	Used		CSG VOL BI	ELOW TO	OOL		BBLs			
LIFT PRESSURE			1200	psi	i 	va mo	2000			DEPTH			TOTAL BBLs ANNULAR VOLUME BBLs							
PRESSURE LIMIT		1400		psi	BUMP PLU		2000	WATER QUA	MPERATURI	Е:	70	рн	-		SG		BBLs 58			
TIME PRE		SSURE	VOLUME	E PUMPED	NO. of Centralizers JOB SCHEDULED FOR		12	ARRIVE ON				RIG UP	325			LOCATION	TEMF 36			
0001 to 2400	TBG	CSG	INCR	CUM	TIME:	20:00 DATE	: 4/23/2011	TIME:	18:00	DATE:	4/23/2011	TIME:	23:00	DATE:	4/23/2011 TIM		DATE 4/24/2011			
		1		1	RATE	FLUID TYPE	DENSITY	ı												
23:00												Pre job	safety me	eting.						
23:31		2000	2		0.5	0.5 H20 8.3 Test Pumps and Lines.														
			2 0.5 1120 0.5 1 CSt 1 utilps and Lines.																	
				<u> </u>				 												
22.22								Pumn H20 till circulation established												
23:33		120	5		3 H20 8.3				Pump H20 till circulation established.											
							ļ													
23:37		220	110		3	CMT	12.5				Mix a	nd pump	lead cemer	nt @ 12	2.5 ppg.					
0:15 340 46 3 CMT 15								Miv	and numr	tail ceme	nt @ 14	5 nna								
0.13 340 40 3 CM1 15 M1X								and pump	tan cemer	ii e i.	7 775.									
			<u> </u>		-			-												
0:28					-		+			Shut down and wash pumps and lines.										
0:29								Drop top plug.												
0:30		1200	60		4	KCl	8.3	Pump displacement with KCl water.												
			<u> </u>				1	r Francisco Company												
0:45		1400	10.6		2	H20	8.3	3 Slow rate to bump plug.												
0.43		1400	10.0			1120	0.3	 				Siow ra	ac to builip	prug.						
			1	1			1	1												
0:48		3000	<u> </u>		1			<u> </u>			Bump	plug and c	heck floats	s. (Held	d O.K.)					
								<u> </u>		Circulated	cement @ 65 bb	ols displace	ement pum	ped. (2 bbls good co	ement to pit.)				
]																	
1:00								Post job safety meeting.												
Water	No.of	Yield	<u>.</u>	<u> </u>	<u> </u>		_1	COMPOSI	TION OF SYS	STEM		-50 100		<u>-</u>			MIXED			
Requirement	Sacks	ft ³ /sk	<u> </u>													BBLS	DENSITY			
10.21	300	2.06	<u> </u>						SDC							110	12.5			
4.97	210	1.23						Surface Set 46 15												
CIDCIII ATION	✓Y	/os]]No	Wagner	CINC POT	N Yes	□ No				DDEAUDOUS			DCI	EINAT	2000	Der			
CIRCULATION	<u> </u>	- L	ן ואט	WASHED CA	ZOTIAG DOM		ETURNED TO	SURFACE			BREAKDOWN BEFORE PLUG BUMI	P		PSI	FINAL	3000	PSI			
DISPLACEMENT	VOL.	,	70.6	BBLS	1	-	2	BBLS			PRESSURE		200	PSI	RATE	2	BPM			

CEMENTING TREATMENT REPORT (PAGE 2)					PIC	NEE	3			TREATMENT NUMBER			DATE						
			L RESOURCE							STAGE			JOB TYPE Surface						
WELL NAME ANI	NO.				LOCATION				RIG NAME:	-			CEMENT PUMP:						
FIELD		FORMATI	ON			RIG FOREMAN:	ral Resources Rig # 3			2305 CEMENT SUPERVISOR:									
Hugoton-Panoma COUNTY					STATE		API NO.		ARRIVE ON LOCATION		RIG UP			Stan Owens LEFT LOCATION					
TIME	Stevens E PRESSURE VOLUME PUMPED		Kansas JOB SCHEDULED FOR			TIME:	DATE: TIME:				DATE:	TIM	E:	DA	ATE:				
0001 to 2400	TBG	CSG			TIME: DATE:			D. D. LOVING					COMMENT						
					RATE	FLUID TY	PE	DENSITY											
							+												