CEMENTING TR	EATMENT	REPORT			DIC	NEE	D				TREATMENT NUMBER GH2013014 DATE					8/3/2013					
					PIC	INCL	CEC				STAGE GI	JOB TYPE longstring									
WELL NAME AN	D NO				LOCATIO	N (LEGAL)	LES		RIG NAME:			longstring CEMENT PUMPER:									
		206' FN	L,& 208' FEL S	Sec 13, T3	1S, R 38W		Trinidad	drilling Rig 216	воттом				23004								
FIELD					FORMATI	ON			WELL DATA BIT SIZE		CSG/Liner Size	FT			TOP		FT				
COUNTY	UNTY				STATE API NO.				TOTAL DEPTH 3048		WEIGHT	5 1/2 15.5									
Grant Co			KS			MUD TYPE		FOOTAGE													
							□BHST		GRADE												
RIG FORMAN				Ι	Dave Martine	ez			ВНСТ		THREAD										
									MUD DENSITY		LESS FOOTAGE SHOE JOINT(S)	41.9						TOTAL:			
CEMENT SUPER				(Gary Hesslin	g			MUD VISC		Disp. Capacity	71						71			
									Include Footage From Ground Level To Head In Disp. Capacity TYPE TYPE TYPE				1 1								
									DEPTH		100 T		DEPTH								
SPECIAL INSTRUCTIONS Cement production casing									TYPE DEPTH			Stage Tool	TYPE DEPTH								
SPECIAL INSTRUC			Cement produc	ction casing				lead & Plugs						SQUEEZE JOB							
										SIZE		TOOL	TYPE								
								Double Box 6	WEIGHT				DEPTH								
									Single	GRADE	TAIL PIPE: SIZE TUBING VOLUME							DEPTH			
									Swage Knockout	THREADS	Used				LUME BBLs LOW TOOL BBLs						
LIFT PRESSURE			750	psi	il				Linockout	DEPTH			TOTAL	ELOW IC	OL			BBLs			
					BUMP PLU	UG TO		1750	CEMENT TEMPERATURI		1	ANNULAR VOLUME					BBLs				
			*		NO. of Centralizers		18		WATER QUALITY:		pH			SG				TEMP			
		SSURE	I	E PUMPED		DULED FOR			ARRIVE ON LOCATION			RIG UP				LEFT LOC					
0001 to 2400	TBG	CSG	INCR	CUM	TIME: RATE	4:00 FLUID T	DATE:	8/3/2013 DENSITY	TIME: 3:30	DATE:	8/3/2013	TIME:	4:00	DATE:	8/3/2013	13	8:00	DATE:	8/3/2013		
2,20												Ai.	ra on lagar	ion							
3:30			 	†	 							AITI	e on locat	1011							
4.00									N: 11 " :												
4:00			1	1				-	Rig up pumps and bulk equipment												
5:15																					
5:29	2000		2			H2c)	8.34		Test pumps and lines to 2000 psi. Test good.											
5:33		120	75		4	H2c)	8.34				pumped 7	7 bbls H2	o ahead							
									pumped 77 bbls H2o ahead.												
5:54		250	131.5	205	4	Cm	t	12.5			Mix and pur	nn131 bbl	s (307 sks	s) 12 5 #	# lead cem	nent					
3.34		230	131.3	203	7	Cili		12.3			wiix and pu	IIP131 001	3 (307 3K	3) 12.5 1	+ Icad cen	iciit					
c 12		60	20.6	244.1				12.5			NC 1	20.61	11 / 124	1)12 (
6:42		60	38.6	244.1	4	Cm	<u> </u>	13.5	Mix and pump 38.6 bbls (134 sks)13.5 tail cement												
6:59										W	ash pumps and l	ines, drop	plug and s	tart disp	olacement	71 bb	ls.				
7:00		30	71	315.1	4	H2c)	8.24	Pump 5 bbls fresh water displacement/ then pump 66bbls KCL displacement for total of 71 bt									l bbls			
									Call outs 23 bbls away 4 bpm 250 psi. 46 away 4 bpm 550 psi 69 bbls away 2 bpm750 psi												
									Can one 20 000 and 1 opin 200 poi. To and T opin 200 poi 07 0010 away 2 opin 700 poi												
											finale lif	t 800 sent	48 bbls g	ood cen	nent to pit						
7:22		1580									Land pl	າາອ at 1580) nsi tested	l float f	loat held						
7.22		1300							Land plug at 1580 psi tested float, float held												
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				1	t																
8:00												rigged dov	vn and left	Locatio	n						
	No.of	Yield		<u> </u>	1	<u> </u>		<u> </u>	COMPOSITION OF SYS	TEM		iigged dov	, 11 and 1011	iocano	11			MIXED			
System Used	Sacks	ft³/sk	1													-	BBLS		NSITY		
Lead	307	2.4					25/7	5 SDC blend	3% P20, 2% S1, 0.25#/sxP29	0, 0.25#/sx P46	@ 12.5 #/gal						131		12.5		
Surface Set	134	1.61	<u> </u>			Surface se	et 25:75 (p	:G) + 2% P20), 5 lb/sx p42, .2% S1, 0.25 #	#/sx P46, .15%	p167, 2% p20 @ 13.5	# gal					38.6		13.5		
			No.															<u> </u>			
CIRCULATION	Y-	#S _	No.	WASHED CA	ASING DOW	/N	☐Yes RE	□No TURNED TO	SURFACE		BREAKDOWN BEFORE PLUG BUM	p		PSI	FINAL		1580	P	SI		
DISPLACEMENT	VOI		71	BBLS	İ		KE.	48			PRESSURE		:00	PSI	RATE		2	BPM			

CEMENTING TR	PIC	NEE	R			TREATMENT NU	DATE															
					NATURA	L RESOURC	CES					STAGE	JOB TYPE longstring									
WELL NAME AN	D NO. Ma	ignolia ATU	J 1		206' FN	N (LEGAL) L,& 208' FEL :	Sec 13, T31	IS, R 38W	RIG NAME:		Trinidad	drilling Rig 216				CEMENT PUMP: 23004						
FIELD					FORMATI	ON			RIG FOREMAN: Dave Martinez						CEMENT SUPERVISOR: Gary Hessling							
COUNTY	OUNTY Grant Co					STATE API NO. KS JOB SCHEDULED FOR			ARRIVE ON I TIME:	OCATION 3:30	DATE:	8/3/2013	RIG UP TIME:	4:00	DATE:	8/3/2013	LEFT LOC TIME:	ATION 8:00	DATE:	8/3/2013		
TIME 0001 to 2400	PRESSURE VOLUME PUMPED TBG CSG INC CUM			JOB SCHEDULED FOR TIME: 4:00 DATE: 8/3/2013 RATE FLUID TYPE DENSITY									COMMENT									
					KAIE	PLOID I	ITE	DENSITI														
-																						
JOB SUMARY:																						