CEMENTING TRE	EATMENT	REPORT			DIC	NEEF	)				TREATMENT NUM	BER 12013013		DATE	8/1//2013							
					PIC						GH	JOB TYPE surface										
INATURAL RESOL							:5	D	IG NAME:			CEMEN										
WELL NAME AND NO. Magnolia ATU 1 LOCATION (LEGAL) 206' FSL & 208'FEL, sec23 T31S, R35							23 T31S, R38W			Drilling Rig #216	BOTTOM		CEMEN	T PUMPER:								
FIELD					FORMATION				/ELL DATA IT SIZE		CSG/Liner Size	FT			TOP		FT					
COUNTY				STATE API NO.				OTAL DEPTH	616	CSG/Liner Size WEIGHT	8 5/8 24	1										
Grant Co			KS APINO.				IUD TYPE	010	FOOTAGE	591.73												
								ВНЯТ		GRADE												
RIG FORMAN D				Dave Martine	ez			ВНСТ		THREAD												
						М	IUD DENSITY		LESS FOOTAGE SHOE JOINT(S)	42.2						TOTAL:						
CEMENT SUPER				(	Gary Hesslin	g		М	IUD VISC		Disp. Capacity	34.95						34.95				
						clude Footage From Ground I	Level To Head I	in Disp. Capacity	-													
								FLOAT	TYPE DEPTH			100,	TYPE DEPTH									
								30	TYPE			Stage Tool	TYPE									
SPECIAL INSTRUC	TIONS							SHK	DEPTH				DEPTH									
			a					Н	Head & Plugs		TBG	D.P.		THE OPE		SQUEE	EZE JOB					
		Set surface case	ing			Double Box 6	WEIGHT	SIZE		TOOL	TYPE DEPTH											
								_	Single	GRADE			TAIL PIPE:	DEI III		SIZE		DEPTH				
									\$wage									BBLs				
								_									BBLs					
LIFT PRESSURE			206	psi					DEPTH TOTAL							BBLs						
PRESSURE LIMIT	ſ	1	.000	psi	BUMP PLUG TO 500 over lift				EMENT TEMPERATURE	1:		pH	ANNULAR					BBLs				
	TIME PRESSURE VOLUME PUMP		DU3 / DED	NO. of Cen	5		ATER QUALITY:			SG					TEMP							
TIME 0001 to 2400	TBG	CSG	INCR	CUM	JOB SCHE TIME:	DULED FOR 9:00 I	DATE: 7/28/201		RRIVE ON LOCATION TIME: 8:30	DATE:	7/28/2013	RIG UP TIME:	8:45	DATE	7/28/2013		OCATION 12:30	DATE: 7/29/20	/013			
0001 10 2400	100	630	INCK	com	RATE	FLUID TYP			0.50	DATE.	1120/2015	TIME.	= 0.45	DATE.	1120/2015	TIME.	12.50	DATE. 112012	015			
2:00												Arris	e on locat	ion								
2.00				<u> </u>			_	+				AIII	ie on iocal	1011								
2:30								+	Rig up pumps and bulk equipment													
4:00												Held	safety mee	eting								
4:17		1000	2		0.5	H2o	8.34				Test pu	nns and li	nes to 100	0 nsi - T	Fest good							
4.17		1000	2		0.5	1120	0.54				Test pu	nps und n	100 100	0 psi. 1	test good.							
4.10		50	10			110	0.24		1.110	1 0. 1		(1 1				1 14	112 11:4	1 22 1 1 1 4 4	1.75)			
4:18		52	40		4	H2o	8.34	_	pumped H2o ahead. Cirrculation at 0 bbls away ( had equipment problem continued with H2o additional 33 bbls total 75)													
5:09		100	101	143	4	Cmt	15				Mix	and pump	o 101 bbls	(469 s	ks) 15 # s	urface	set cement					
5:47		30	34.95	177.95	4	H2o	8.34				D	rop plug a	nd start dis	splacen	nent							
										Disr	placment callouts	10 bbls 4	bpm 120 r	nei (loe	t cirrculat	ion @	14 bbsl regain	ued @16				
								-		Disp	placment canouts	10 0018 4	opin 120 j	551 (105	t ciriculai	1011 @	14 UUSI IEgan	ieu @10				
								_	20 bbls 4 bpm 170 psi													
										30 bb	ls 4 bpm 200 psi	( lost circi	ulation @	33 lift	@ 230 we	ent on v	/acuum)					
6:00									Land plug at 800. lift test float. Tested good													
8:30			9.5	187.45	0.5	H2o	8.34	Б	Ran in hole to with	1" tagged (	@ approx 80' loa	ded hole u	ith 4.5 bb	le H20	numned	ddition	al 5 watched	for fall back. N	None			
0.50			7.5	107.45	0.5	1120	0.54	r	can in note to with	1 taggett v	e approx 60 10a	acu noic w	nii 4.5 00	13 1120	pumped	luunioi	iai 5 waterieu	Tor Tan Dack. I	vone			
													_									
11:00		50	38	225.45	1		15.8	_		М	lix 38 bbls (185sl	(s) 15.8 c	lass G cen	nent and	d pumped	to surf	ace					
											wat	ched for fa	all back for	r 30mir	n. OK							
				1																		
				L				_														
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				1																		
								T														
0:15			11:45	1				Rigged down a left location														
System Used	No.of	Yield		•	•	•	-		COMPOSITION OF SYS	TEM		00 - 4					SLURRY					
	Sacks	ft <sup>3</sup> /sk															BBLS	DENSITY				
Surface Set	469	1.21				5	Surface set 25:75 (	p:G) +	+ 3% S1, 0.25 lb / sx p 29	, 0.25 lb / sx p	p 46 @ 15 # gal						101	15				
Class G	185	1.15							Glass G 38 15.8													
							_															
								I														
CIRCULATION /es /washed Casing Down /es /washed Casing Down Returned																PSI						
DISPLACEMENT	3	4.95	BBLS					PRESSURE	2	30	PSI	RATE		2	BPM							

CEMENTING TR	EATMENT	REPORT (P	AGE 2)		DIC	NEE	D					TREATMENT	ER 12013013		DATE							
					NATURA	Contraction of Contraction of Contraction	DES					STAGE	GH	12013013		ЈОВ ТҮР	Έ					
WELL NAME AN	D NO.				LOCATIO	N (LEGAL)			RIG NAME:							CEMENT	PUMP:					
FIELD	Ma	ignolia ATU	1		206' F	SL & 208'FEL, ION	sec23 T3	1S, R38W	Trinidad I RIG FOREMAN:			Drilling Rig #2			CEMENT	SUPERVIS	OR:	23004				
					STATE API NO.				Dav ARRIVE ON LOCATION			ve Martinez	RIG UP				G	ary Hessling				
COUNTY Grant Co					KS			TIME:	8:30	DATE:	7/28/20	13	TIME:	8:45	DATE:	7/28/2013	TIME:	12:30	DATE:	7/29/2013		
TIME 0001 to 2400	PRESSURE VOLUME PUMPED TBG CSG INC CUM		JOB SCHE TIME: RATE	DULED FOR 9:00 FLUID T	DATE:	7/28/2013 DENSITY							COMMENT									
					RATE	FLUID T	YPE	DENSITY														
					-																	

JOB SUMARY: