Part	CEMENTING TRI	EATMENT	REPORT			DIC	NIFF	D				TREATMENT NUM	IBER		DATE	7/28/2013									
Minimum						PIC	INEE	K				STAGE													
Second S	NATURAL RESOURCES							CES		Inva vas							dcc								
Column	WELL NAME AND NO. LOCATION (LEGAL)							S, R38W		Drilling Rig #216			CEMEN	I PUMPER:											
Martin	FIELD						WELL DATA		BOTTO				FT TOP												
The column	COUNTY					OT A TEL		ADINO					_	 											
Section Sect						SIAIE	KS	AFT NO.			010		_	 											
Control Cont						1		<u> </u>					3,3.14	1											
Column C	RIG FORMAN				K	Levin Swaffo	rd					THREAD	+	1					7						
Color Colo													42.2						TOTAL:						
The column 1	CEMENT SUPER					Gary Hesslin	g					Disp. Capacity	34.87						34.87						
											Level To Head I	In Disp. Capacity		TVDE											
March Marc													Tool												
March Marc										TYPE			'tage'	TYPE											
Company Comp	SPECIAL INSTRUC	CTIONS					-					I I Irpo		DEPTH			SULIE	ZE IOB							
Company Comp	-			Set surface cas	ine					ricau & riugs			p.p.	-	TYPE		SQUEE	ZEJOB							
Company Comp										Double Box 6	WEIGHT			8											
Processor Company										☐§ingle				TAIL PIPE:			SIZE		DEPTH						
Marche 1988																									
Process Proc			•							Knockout		Used			ELOW TO	OOL									
The color The							ua mo	500	over lift	CEMENT TEMBERATUR															
Processor Proc	PRESSURE LIMI	r		1000	psi			300			L;	1	·												
March 196	TIME	PRES	SSURE	VOLUME	PUMPED							<u> </u>		1			LEFT LO	OCATION	LEMI						
Acres on location				1		TIME:	9:00				DATE:	7/28/2013		8:45	DATE:				DATE:	7/29/2013					
Rig up pumps and bulk equipment				-		RATE	FLUID T	YPE	DENSITY	T															
Rig up pumps and bulk equipment				1																					
10.15	8:30												Arriv	ve on locat	ion										
10.15								T																	
10.15	8:45			L	L	L	<u> </u>			<u> </u>		R	ig up pump	s and bulk	eguipr	<u>nen</u> t									
10.34															, , , -										
10.34	10:15																								
10.36	10.13												HOIG	outery mee	6										
10.36	10.24		1000	2		0.5	110		0.24			T	1.11	. 100											
10.47	10:34		1000	2		0.5	H20)	8.34			Test pi	imps and li	nes to 100	0 ps1. T	est good.									
10.47																									
11-23	10:36		52	2 40 4 H2o 8.34						pumped H2o ahead. Cirrculation at 0 bbls away															
11-23																									
Displacement callouts 11 bbls 4 bpm 120 psi 22 bbls 4 bpm 200 psi 33 bbls 2 bpm 200 psi stow rate to 1 bbls at 33 23:33	10:47		70	101	143	4 Cmt 15			Mix and pump 101 bbls (468 sks) 15 # surface set cement																
Displacement callouts 11 bbls 4 bpm 120 psi 22 bbls 4 bpm 200 psi 33 bbls 2 bpm 200 psi stow rate to 1 bbls at 33 23:33																									
Displacement callouts 11 bbls 4 bpm 120 psi 22 bbls 4 bpm 200 psi 33 bbls 2 bpm 200 psi stow rate to 1 bbls at 33 23:33	11:23		40.3	34.87	177.87	4	H2c	,	8.34			I	Orop plug a	nd start dis	placem	nent									
22 bbls 4 bpm 200 psi 33 bbls 2 bpm 200 psi slow rate to 1 bbls at 33 23:33 Land plug at 1200. lift 250 psi held for 15 min test fluat. Tested good Finale lift 250 sent 25 bbls good cement to pit Finale lift 250 sent 25 bbls good cement to pit Rigged down a left location Rigged down a left location System Use So Not 100 Vol																									
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Finale lift 250 sent 25 bbls good cement to pit Finale lift 250 sent 25 bbls good cem	23:33		<u></u>	<u></u>	<u></u>						<u>L</u> ar	and plug at 1200. lift 250 psi held for 15 min test float. Tested good													
0:15 System Used Sucks No. of Suc										1															
0:15 System Used Sucks No. of Suc										Finale lift 250 sent 25 bbls good cement to pit															
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System Used Sacks R ³ /sk BBLS DENSITY	0:15			<u> </u>							mrs.		Rigged do	own a left	location	n									
Surface Set 468 1.21 Surface set 25:75 (p.G) + 3% \$1,0.25 lb / sx p 29, 0.25 lb / sx p 46 @ 15 # gal 101 15 CIRCULATION 6 Set 100 WASHED CASING DOWN 6 Set 100 WASHED TO SURFACE BEFORE PLUG BUMP	System Used									COMPOSITION OF SYS	TEM									ENSITY					
CIRCULATION Fes No WASHED CASING DOWN Fes No BREAKDOWN PSI FINAL 1200 PSI RETURNED TO SURFACE BEFORE PLUG BUMP			/ //	1																					
CIRCULATION Yes No WASHED CASING DOWN Yes No BREAKDOWN PSI FINAL 1200 PSI RETURNED TO SURFACE BEFORE PLUG BUMP	Surface Set 468 1.21 S								. 25 55 :	3) - 20/ G1 0 25 F :	0.25"	46.045						101		15					
RETURNED TO SURFACE BEFORE PLUG BUMP	Surface set 408 1.21 Surface set 25:75 (p:								i) + 3% S1, 0.25 lb / sx p 29	, 0.25 lb / sx p	0 46 @ 15 # gal						101		15						
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RETURNED TO SURFACE BEFORE PLUG BUMP	CIRCULATION	□Y∈	es [No	WASHED CA	ASING DOW	/N	Yes	√No			BREAKDOWN			PSI	FINAL		1200	1	PSI					
								RET	TURNED TO	SURFACE		BEFORE PLUG BUN													

CEMENTING TREATMENT REPORT (PAGE 2)					PIONEEK							TREATMENT N	DATE									
		L RESOURCE						STAGE	JOB TYPE													
WELL NAME AN	D NO.	L:Ja A TT I	1		LOCATION (LEGAL) 211' FNL & 222'FWL, sec23 T30S, R38W				RIG NAME:							CEMENT PUMP: 23004						
Schmidt ATU 1 FIELD					FORMATI	ION	, sec23 13	003, K36W	Trinidad Drilling Rig #216 RIG FOREMAN: Kevin Swafford							CEMENT SUPERVISOR: Gary Hessling						
COUNTY Grant Co			STATE API NO.				ARRIVE ON I TIME:	LOCATION 8:30	DATE:	7/28/2013	RIG U	UP TME:	8:45	DATE:	7/28/2013	LEFT L	OCATION 12:3	0 DATE:	7/29/2013			
TIME 0001 to 2400	PRESSURE VOLUME PUMPED		KS										OMMENT									
					RATE FLUID T		TYPE DENSITY															
-																						
			-																			
JOB SUMARY:																						