CEMENTING TREATMENT REPORT PIONEER						R				TREATMENT NUMBER DATE SO2011005					4/21/2011				
					NATURA	L RESOUR					STAGE 1				JOB TYPE Long String				
ELL NAME AND		row-Hill B AT	U		LOCATION FORMATION	Sec. 32 T30	0S R36W		RIG NAME:	Trir	nidad Drilling	DOTTO:		CEMEN	T PUMPER:	2304			
ELD		Hugoton			r okmati(	ON Chase/Cound	cil Grove		VELL DATA BIT SIZE	7 7/8	CSG/Liner Size	<b>BOTTOM</b> 5 1/2			FT TO		FT		
DUNTY		<u> </u>			STATE		AFE 20105		OTAL DEPTH	3054	WEIGHT	17							
		Grant			K	Kansas	20195		IUD TYPE BHST		FOOTAGE GRADE	3046 J-55							
G FOREMAN					Phillip Gibson				ВНСТ		THREAD LESS FOOTAGE	LT&C							
F							IUD DENSITY IUD VISC		SHOE JOINT(S) Disp. Capacity	42 69.6					TOT/ 69				
CEMENT EMPL						n and J.R. Ortiz		I	clude Footage From Ground I	Level To Head Ir		05.0	TYPE	1					
				Robert Mittile	lei, bluee Greek				DEPTH g TYPE			Tool	DEPTH TYPE						
PECIAL INSTRUC	CTIONS								DEPTH			Stage	DEPTH						
								<sup>1</sup>	Head & Plugs		TBG SIZE	D.P.	TOOL	TYPE					
									Double Box 6	WEIGHT			TO	DEPTH					
									Swage	GRADE THREADS			TAIL PIPE: TUBING VO		SIZI		DEP1 BBLs		
FT DDESCLIDE		1	200		:				Knockout	New DEPTH	Used		CSG VOL B	ELOW TO	DOL		BBL		
IFT PRESSURE RESSURE LIMIT	ſ	1200 1400		ps ps	psi psi BUMP PLUG TO 2000			0	CEMENT TEMPERATURE				TOTAL ANNULAR VOLUME					BBLs BBLs	
TIME	PRES	SURE	VOLUME	C PUMPED	NO. of Centr JOB SCHEI	ralizers DULED FOR	12		VATER QUALITY: RRIVE ON LOCATION			pH RIG UP			SG LEI	T LOCATION	TEM	[P	
0001 to 2400	TBG	CSG	INCR	CUM	TIME:	0:00	DATE: 4/20/2	2011	<b>TIME:</b> 22:00	DATE:	4/20/2011	TIME:	0:00	DATE:	4/21/2011 <b>T</b>			<b>TE</b> 4/21/20	
					RATE	FLUID TY	YPE DENS												
0:00												Pre job	safety me	eting.					
								T											
0:49		2000	2		0.5	H20	8.3	3				Test P	umps and I	Lines.					
0:51		60	4		3	H20	8.3	3			Pur	np H20 till	circulation	n establ	ished.				
					$\left  \right $														
0:52		120	139.4		3	СМТ	Г 12.	5			Miv	and pump	lead cemer	nt @ 11	2.5 nng				
0.02		120	1.57.7				. 12.				1411X	ana hamh		u e 12	PP5.				
1:51		230	57		3	СМТ	<u> </u>	5			Mi	x and pump	tail ceme	nt @ 15	5 ppg.				
2:07								$\square$			Shu	it down and	l wash pun	nps and	lines.				
2:09												Dr	op top plug	g.					
											_								
2.11		1200	<u> </u>		1	1100		2				<b>D</b>	diam1a -	ant.					
2:11		1200	60		4	H20	8.3	5				Pump	displacem	iciil.					
2:29		1400	9.6		2	H20	8.3	3				<u>Slo</u> w ra	te to bump	o plug.					
2:31		2000									Rume	plug and c	heck floats		$(0\mathbf{K})$				
<i>2.3</i> I		2000									Duni	riug and C	nook moat		- ().ix. <i>j</i>				
								T											
3:00												Post iol	o safety me	etino					
Water	No.of Sacks	Yield ft <sup>3</sup> /sk		I	<u> </u>	L	I	L	COMPOSITION OF SYS	TEM		1 031 JUI	. Survey 111	<u>.</u> .		BBLS	SLURRY MIX	TED DENSITY	
Requirement 10.21	Sacks 380	ft <sup>3</sup> /sk 2.06							SDC							139.4		12.5	
4.97	260	1.23							Surface Set							57		12.5	
			No				Yes	No											

CEMENTING TR		DIC	NICE	D				TREATMENT NUM	BER	DATE						
						NEE					STAGE	1	ЈОВ ТҮРЕ		Surface	
WELL NAME AN	D NO.				LOCATION (LEGAL)				RIG NAME:			1	CEMENT PUME			
FIELD	I.L.	t D							Pioneer Natural Resources Rig # 3 RIG FOREMAN:			2305 CEMENT SUPERVISOR:				
COUNTY	Hu	goton-Panom Stevens	18		STATE API NO. Kansas			ARRIVE ON LOCATION TIME: DATE: TIME:			RIG UP TIME:	Stan Owens       LEFT LOCATION       DATE:     DATE:				
<b>TIME</b> 0001 to 2400	PRESSURE         VOLUME PUMPED           TBG         CSG         INC         CUM		JOB SCHEDULED FOR TIME: DATE:					<u> </u>		COMMENT	DATE.	TIME.		DATE.		
0001102400	100			COM	RATE	FLUID T		DENSITY				COMMENT				
					1											

JOB SUMARY: