CEMENTING TREATMENT REPORT PIONEER NATURAL RESOURCES							TREATMENT NUMBER SO2010021 STAGE			DATE 8/1/2010 JOB TYPE 7.0							
WELL NAME AND NO.					LOCATION	N (LEGAL)		RIG NAME:	<u>I</u>	1		CEMENT P	PUMPER:	Surface			
LD		Unruh 5-18			FORMATI	Sec.18, T29S,	R33W	WELL DATA	Pioneer Nat	ural Resources Rig # 3	BOTTOM			FT TOP	2305	FT	
	Hu	goton-Panoma	l					BIT SIZE	12 1/4	CSG/Liner Size	8 5/8]	
UNTY					STATE		API NO.	TOTAL DEPTH	823	WEIGHT	24					_	
		Haskell			<u> </u>	Kansas	15-067-21716-00-00	MUD TYPE		FOOTAGE GRADE	816 J-55					-	
FOREMAN				Ray Go	onzales/Tom B	eardsley		ВНСТ		THREAD	LT&C					-	
								MUD DENSITY		LESS FOOTAGE SHOE JOINT(S)	42					TOTAL:	
MENT SUPERVI	ISOR				Stan Owens			MUD VISC Include Footage From Groun	d Loval To Hand I	Disp. Capacity	49					49	
								F TYPE	u Level 10 Head I	ii Disp. Capacity		TYPE					
								DEPTH TYPE			Stage Tool	DEPTH TYPE					
CIAL INSTRUC	TIONS							DEPTH				DEPTH	EPTH				
								Head & Plugs		SIZE	D.P.	,	TYPE				
								Double Box 6	WEIGHT	SILL			DEPTH				
								Single	GRADE			TAIL PIPE:		SIZE		DEPTH	
								Swage Knockout	THREADS			TUBING VOI CSG VOL BE		Τ.		BBLs BBLs	
T PRESSURE		250 psi							DEPTH			TOTAL				BBLs	
RESSURE LIMIT		1000		ps	psi BUMP PLUG TO 660			CEMENT TEMPERATU				82 ANNULAR VOLUME				BBLs	
TIME	PRES	SURE	VOLUME	PUMPED	NO. of Cent	ralizers DULED FOR	4	WATER QUALITY: ARRIVE ON LOCATION			8 pH RIG UP	325	SC		LOCATION	TEMP	
0001 to 2400	TBG	CSG	INCR	CUM	TIME:	17:00	DATE: 10/6/2010	TIME: 15:00	DATE:	10/6/2010	TIME:	5:00	DATE: 1	10/7/2010 TIM		DATE: 10/7/2	
					RATE	FLUID TYF	PE DENSITY										
7:15											Dro int	safety mag	ting				
1.13								+			rie jot	o safety mee	ung.				
7:26					0.5	H20	8.3				Test P	umps and L	ines				
,.20					0.0	1120	0.5				10011	July and D					
7:30		80	20		4	H20	8.3				Pum	np H20 ahea	ıd.				
			-					1				1					
7:36		60	106		4	CMT	12.5			Miz	and pump	lead cement	t @ 12.5	ppg.			
											<u> </u>			-			
8:05		60	20		4	CMT	14.2			Mi	x and pump	tail cement	@ 14.2	ppg.			
8:18											Shut down	n and drop t	op plug.				
8:20		220	49		4	H20	8.3				Pump	o displaceme	ent.				
0.22			0.5		0.7					D	1	-1- C	/ ** **	OV N			
8:33		660	0.5		0.5	H20	8.3			Bump p	olug and che	ck floats.	(Held	O.K)			
						<u> </u>		+									
								+									
								Call O	uts 15 R	bls/150 Psi.	30 Bbls/2	10 Psi	45 Bbls	./220 Psi.	Bumped @	9 660 psi.	
													010	~	p « (- r	
								Pumped 40 bbls good cement to the pit.									
0.00											Dect :	h cafatri	ating				
9:00	No.of	Yield						COMPOSITION OF SY	STEM		Post jo	b safety mee	eung.			RY MIXED	
System Used	Sacks	ft ³ /sk													BBLS	DENSITY	
SDC	290	2.06						SDC							106	12.5	
RFC	90	1.25						RFC							20	14.2	
ſ																	
CULATION	 		No	WASHED CA			Yes 🗸 No			BREAKDOWN			PSI FI	INAL	660	PSI	