

PIONEER
NATURAL RESOURCES

TREATMENT NUMBER	DATE
JM2013036	8/13/2013
STAGE	JOB TYPE
1	P&A

WELL NAME AND NO.		LOCATION (LEGAL)		RIG NAME:				CEMENT PUMPER:				
Scott 21-4		NENW Sec 4 T32S R67W		PPS Coil				23005				
FIELD		FORMATION		WELL DATA		BOTTOM		FT		TOP		FT
Raton - Lorencito				BIT SIZE			CSG/Liner Size					
COUNTY		STATE		API NO.		TOTAL DEPTH			WEIGHT			
Las Animas		Colorado		05-71-07685		MUD TYPE			FOOTAGE			
RIG FORMAN		Vince Santistevan		<input type="checkbox"/> BHST			GRADE					
				<input type="checkbox"/> BHCT			THREAD					
CEMENT SUPER		Jose Madrid		MUD DENSITY			LESS FOOTAGE SHOE JOINT(S)				TOTAL:	
				MUD VISC			Disp. Capacity				0	

		Include Footage From Ground Level To Head In Disp. Capacity				
SPECIAL INSTRUCTIONS	FLOAT	TYPE	Stage Tool	TYPE		
		DEPTH				
	SIDE	TYPE		TYPE		
		DEPTH		DEPTH		

Crew Berry C Bruce G.	Head & Plugs	<input checked="" type="checkbox"/> TBG	<input type="checkbox"/> D.P.	SQUEEZE JOB		
		SIZE 2" coil		TOOL	TYPE	
	<input type="checkbox"/> Double Box 6	WEIGHT			DEPTH	
	<input type="checkbox"/> Single	GRADE		TAIL PIPE:	2"	500'
	<input type="checkbox"/> Swage	THREADS		TUBING VOLUME		23.8 BBLs
	<input type="checkbox"/> Knockout	<input type="checkbox"/> New	<input type="checkbox"/> Used	CSG VOL BELOW TOOL		BBLs

LIFT PRESSURE	1400	psi				DEPTH	9000 ft coil		TOTAL			BBLs	
PRESSURE LIMIT	2500	psi	BUMP PLUG TO		CEMENT TEMPERATURE:					ANNULAR VOLUME			BBLs
			NO. of Centralizers		WATER QUALITY:			7	pH		SG		TEMP

TIME 0001 to 2400	PRESSURE		VOLUME PUMPED		JOB SCHEDULED FOR				ARRIVE ON LOCATION				RIG UP				LEFT LOCATION			
	TBG	CSG	INCR	CUM	TIME:	9:00	DATE	8/13/2013	TIME:	8:45	DATE:	8/13/2013	TIME:	8:50	DATE:	8/13/2013	TIME:	12:15	DATE:	8/9/2013
					RATE	FLUID TYPE		DENSITY												

8:45								ARRIVE ON LOCATION
8:50								Rig Up Pumps And Lines
9:50								Held Safety Meeting
10:10								Coil RIH to 550' then pulled up to 500'
10:12	1200		37		2	H20	8.3	While Coil RIH Load Coil and Casing. Established Circulation
10:28	1350		18.7	55.7	2	CMT	15.8	At 500' Pumped 17.8bbls (89sk) 15.8ppg
10:39	2500		19	74.7	2	H20	8.3	Displace with 19bbls Got cement to surface. We shut down Coil to pull up to surface
11:01	435		4.75	79.5	1.5	H20	8.3	Coil at surface finish final 4.75bbls displacement
11:05			30	109.45				Switched Cement Pump to Washed Up pumps and Lines
11:07								Coil to come off well
11:17								Coil Off Well Cement 2" From Surface No Top Off Needed
11:27								Rig down left location

System Used	No.of Sacks	Yield ft³/sk	COMPOSITION OF SYSTEM	SLURRY MIXED	
				BBLs	DENSITY
Class G	89	1.15	Class G	17.8	15.8

CIRCULATION		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	WASHED CASING DOWN		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	BREAKDOWN		PSI	FINAL	2400	PSI
DISPLACEMENT VOL.		23.8		BBLs		RETURNED TO SURFACE		BEFORE PLUG BUMP		PSI	RATE	BPM	
						yes		PRESSURE					