Customer PIONEER	Date12-28-04	F.R. #	Service Supervisor BILLY WOOLDRIDGE
Lease & Well M. F. WIRTZ 21-14	Location		County – Parish – Block LAS ANIMAS
403	Drilling Contractor Rig #		Type of Job MISC POUMP - STUCKPIPE

Size & Types of Plugs		List – CSG - Hardware
Top	1-51/2 rubber plug	
Btm		

Materials Furnished	Slurry WGT PPG	Slurry YLD Ft^3	Water GPS	Pump Time Hr:Min	Std Slurry	Std Mix Water
40 SX VERMEJO 5 – NO FLAKE	13.3	1.59	7.6		11.6	4.9
Available mix fluid 400 Bbl. / Available Displ. Fluid Bbl.			Total			

Hole			TBG-CSG-D.P.				TBG-CSG-D.P.				Collar Depths	
Size	% Excess	Depth	Size	WGT	Type J55	shoe	Size	WGT	Type	Depth	Shoe	Float
			5 1/2	15.5						1050		

Last Casing				Pkr - Cmt Ret – Br Pl - Liner		Perf Depth		Top Conn		Well Fluid	
Csg.	WGT	Type	Depth	Brand & Type	Depth	Top	Btm	Size	Thread	Type	WGT
				PACKER	200			2.875	8RD	H2o	8.34

Cal Displ Vol –11.5 Bbl	Cal Psi	Cal Max Psi	OP Max	Max Tbg PSI	Max Csg PSI 4300	Displ FluidH20	Water

TBG	CSG	CSG	Total	Bump Plug	To Rev	SQ PSI	Rated	OP	Rated	OP	Type	WGT	Source
11.9											H2o	8.34	Tank

Explanation: Trouble setting tool, Running CSG, Etc. Prior to cementing:

Pressure/Rate Detail						Explanation
Time HR:Min	Pressure – PSI Pipe	Pressure – PSI Annulus	Rate BPM	Bbl Fluid Pumped	Fluid Type	Safety Meeting: Crew x Co. Rep x Testing Lines x Psi
1500						ON LOCATION
1557	470		1	5	H20	ESTABLISH INJECTION RATE
1606	400		1	12	CMT	START CEMENT
1616						DROLP PLUG
1617	350		2	22	H20	START FLUSH
1633	400					EDN FLUSH AND CLOSE VALVE

Bumped Plug	PSI to Bump Plug	Test Float Equip	Bbl CMT Returns/ Reversed	Total Bbl Pumped	PSI Left On CSG	Spot Top Cement	Service Supervisor BILLY WOOLDRIDGE
NO			0	39	0		