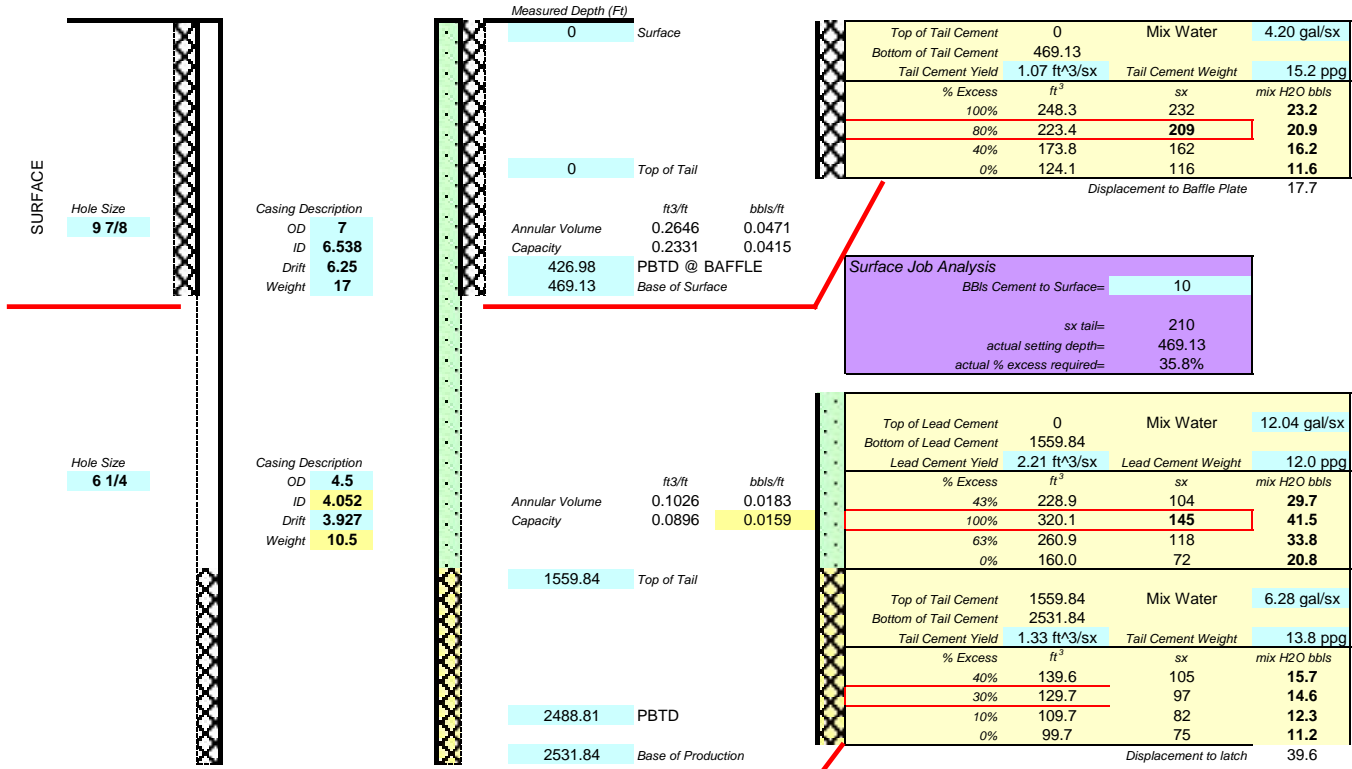


Well Name: Deterding BB-15 1S45W

Location: Sec 15, 1S, 45W, Yuma Co. CO

PLANNED



AS PUMPED

Surface	Date	Thursday, April 18, 2013	44	= Capacity	Cu. Ft./ Ft.
Job Description	SURFACE		9.5	0.0162	0.0912
Time	1900		10.5	0.0159	0.0895
Mud Flush	0		11.6	0.0155	0.0872
Lead Cement	210 sx 50/50 POZ, 3% CaCl, .25% flo-cel		17	0.0415	0.2331
Mix Water	4.20 gal/sx		20	0.0405	0.2273
Cement Yield	1.07 ft ³ /sx		23	0.0393	0.2210
Cement Weight	15.2 ppg				
Pump Rate	5.0 Bbls/min				
BBLs Displaced	17.5				
Bumped Plug	NA				
Floats Held	NA				
Full / Partial / No Returns	FULL				
Cement Circulated	yes				
Bbls Cement Circulated	12				
Pipe Reciprocated	NA				
Reciprocation length (ft)	NA				
Reciprocation Rate (SPM)	NA				
Time Job Complete	1915				
Production	Date	Saturday, April 20, 2013			
Job Description	Longstring				
Time	530				
Mud Flush w/ 2% KCl	10 KCl & Dye, 39 KCL				
Lead Cement	118 sx 50/50 POZ, 12% GEL, 2% CACL				
Mix Water	12.04 gal/sx				
Cement Yield	2.21 ft ³ /sx				
Cement Weight	12.0 ppg				
Tail Cement	75 sx 50/50 POZ, 3% CaCl, .25% flo-cel				
Mix Water	6.28 gal/sx				
Cement Yield	1.33 ft ³ /sx				
Cement Weight	13.8 ppg				
BBLs Displaced 2% KCl water	39.6				
Pump Rate	3.0 Bbls/min				
Bumped Plug	Yes				
Floats Held	Yes				
Full / Partial / No Returns	Full				
Cement Circulated	Yes				
Bbls Cement Circulated	4				
Pipe Reciprocated	NO				
Reciprocation length (ft)	NA				
Reciprocation Rate (SPM)	NA				
Time Job Complete	630				