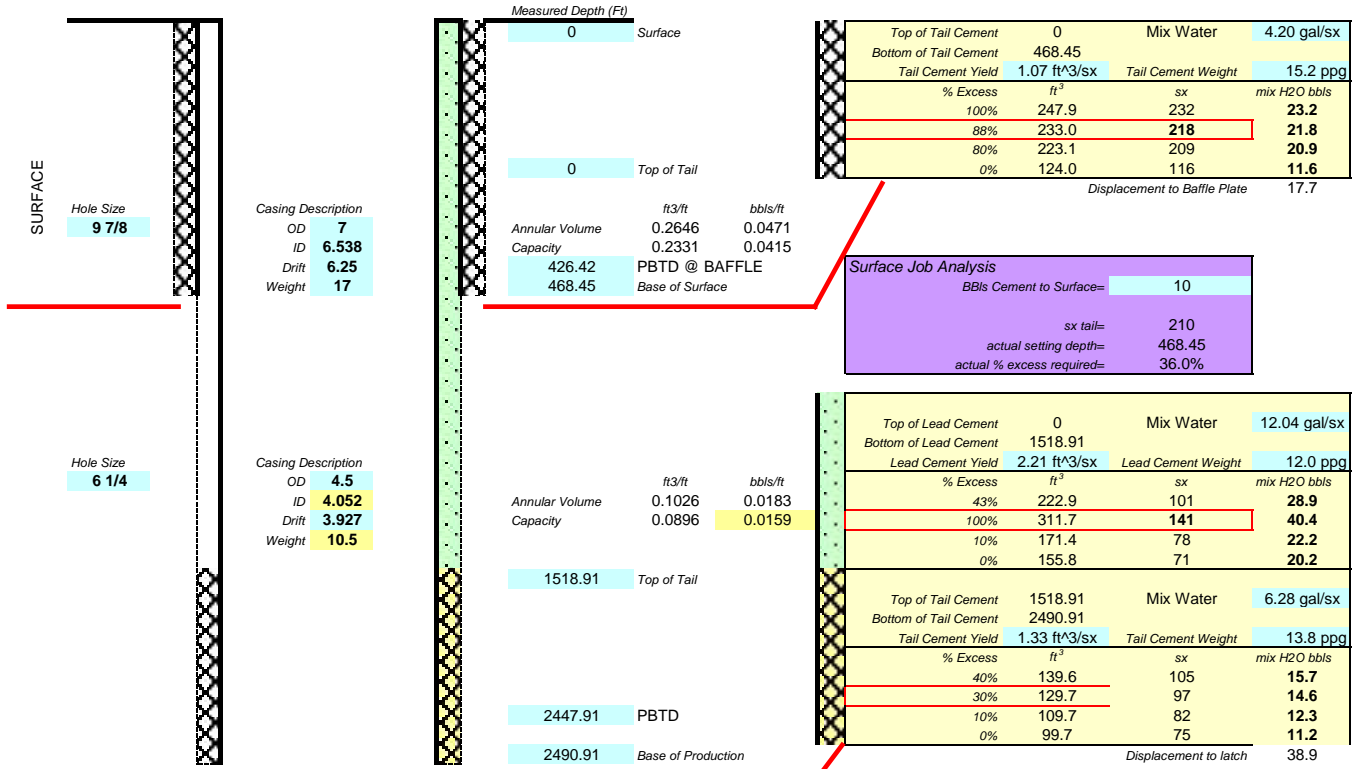


Well Name: SG Hagemann 33-13 1S45W

Location: Sec 13, 1S, 45W, Yuma Co. CO

PLANNED



AS PUMPED

| | | |
|------------------------------------|--------------------------|----------------------------------|
| Surface | Date | Monday, April 08, 2013 |
| Job Description | Time | 15 |
| Mud Flush | Time | 0 |
| Lead Cement | 260 sx | 50/50 POZ, 3% CaCl, .25% flo-cel |
| Mix Water | 4.20 gal/sx | |
| Cement Yield | 1.07 ft ³ /sx | |
| Cement Weight | 15.2 ppg | |
| Pump Rate | 2.0 Bbls/min | |
| BBLs Displaced | 17.5 | |
| Bumped Plug | NA | |
| Floats Held | NA | |
| Full / Partial / No Returns | FULL | |
| Cement Circulated | yes | |
| Bbls Cement Circulated | 18 | |
| Pipe Reciprocated | NA | |
| Reciprocation length (ft) | NA | |
| Reciprocation Rate (SPM) | NA | |
| Time Job Complete | 45 | |

| Casing # | = Capacity | Cu. Ft./ Ft. |
|----------|------------|--------------|
| 9.5 | 0.0162 | 0.0912 |
| 10.5 | 0.0159 | 0.0895 |
| 11.6 | 0.0155 | 0.0872 |
| 17 | 0.0415 | 0.2331 |
| 20 | 0.0405 | 0.2273 |
| 23 | 0.0393 | 0.2210 |

| | | |
|------------------------------------|--------------------------|----------------------------------|
| Production | Date | Thursday, April 11, 2013 |
| Job Description | Time | 2015 |
| Mud Flush w/ 2% KCl | 10 KCl & Dye, 47 KCL | |
| Lead Cement | 101 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 | 38.9 | |
| Pump Rate | 3.0 Bbls/min | |
| Bumped Plug | Yes | |
| Floats Held | Yes | |
| Full / Partial / No Returns | Full | |
| Cement Circulated | NO | |
| Bbls Cement Circulated | 0 | |
| Pipe Reciprocated | NO | |
| Reciprocation length (ft) | NA | |
| Reciprocation Rate (SPM) | NA | |
| Time Job Complete | 2130 | |