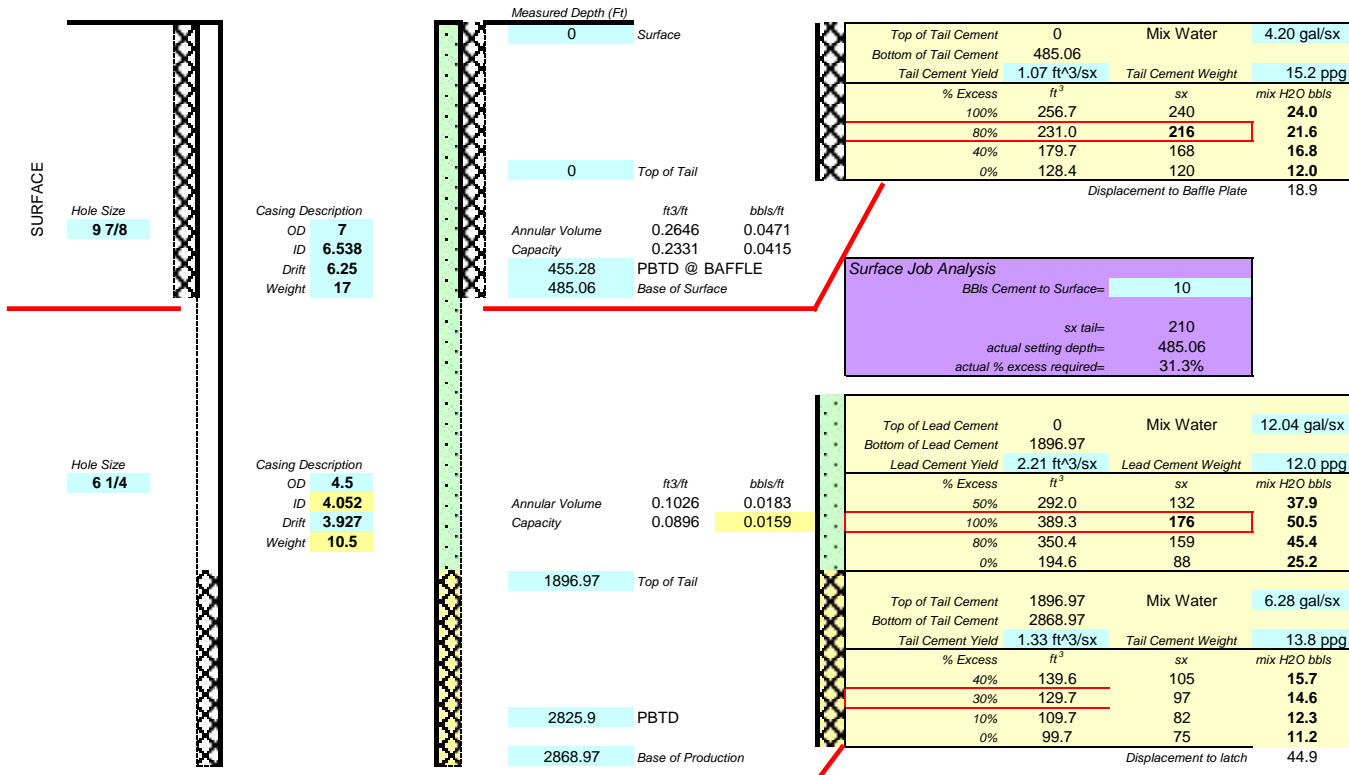


| | |
|--------------------------------|--|
| Well Name: Lueking 44-31 5N45W | Location: Sec 31, 5N, 45W, Yuma Co. CO |
|--------------------------------|--|

PLANNED



AS PUMPED

| | | | | |
|------------------------------------|--|-------------|-------------------|---------------------|
| Surface | Tuesday, April 23, 2013 | 44 | = Capacity | Cu. Ft./ Ft. |
| Date | SURFACE | 9.5 | 0.0162 | 0.0912 |
| Job Description | Time | 10.5 | 0.0159 | 0.0895 |
| Mud Flush | 0 | 11.6 | 0.0155 | 0.0872 |
| Lead Cement | 220 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 ft³/sx | 23 | 0.0393 | 0.2210 |
| Cement Weight | 15.2 ppg | | | |
| Pump Rate | 5.0 Bbls/min | | | |
| BBLs Displaced | 19.0 | | | |
| Bumped Plug | NA | | | |
| Floats Held | NA | | | |
| Full / Partial / No Returns | FULL | | | |
| Cement Circulated | yes | | | |
| Bbls Cement Circulated | 10 | | | |
| Pipe Reciprocated | NA | | | |
| Reciprocation length (ft) | NA | | | |
| Reciprocation Rate (SPM) | NA | | | |
| Time Job Complete | 315 | | | |
| Production | Wednesday, April 24, 2013 | | | |
| Date | Longstring | | | |
| Job Description | Time | | | |
| Mud Flush w/ 2% KCl | 2200 | | | |
| Lead Cement | 10 KCl & Dye, 45 KCL | | | |
| Mix Water | 139 sx 50/50 POZ, 12% GEL, 2% CACL | | | |
| Cement Yield | 12.04 gal/sx | | | |
| Cement Weight | 2.21 ft³/sx | | | |
| Tail Cement | 12.0 ppg | | | |
| Mix Water | 75 sx 50/50 POZ, 3% CaCl, .25% flo-cel | | | |
| Cement Yield | 6.28 gal/sx | | | |
| Cement Weight | 1.33 ft³/sx | | | |
| BBLs Displaced 2% KCl water | 13.8 ppg | | | |
| Pump Rate | 44.9 | | | |
| Bumped Plug | 3.0 Bbls/min | | | |
| Floats Held | Yes | | | |
| Full / Partial / No Returns | Yes | | | |
| Cement Circulated | Full | | | |
| Bbls Cement Circulated | Yes | | | |
| Pipe Reciprocated | 5 | | | |
| Reciprocation length (ft) | NO | | | |
| Reciprocation Rate (SPM) | NA | | | |
| Time Job Complete | NA | | | |
| | 2245 | | | |