

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

| | | | | | | | | | | |
|---|------------------------|--------------------------------|---------------------------|---------------|------------------------|-----------------------------|---------------|--------------|---------------------|---------------|
| Sold To #: 324725 | Ship To #: 3359730 | Quote #: | Sales Order #: 0901539864 | | | | | | | |
| Customer: BONANZA CREEK ENERGY | | Customer Rep: Bonanza Rep | | | | | | | | |
| Well Name: STATE ANTELOPE | Well #: P41-T44-32 HNC | API/UWI #: 05-123-39003-00 | | | | | | | | |
| Field: WATTENBERG | City (SAP): KERSEY | County/Parish: WELD | State: COLORADO | | | | | | | |
| Legal Description: NE NE-32-5N-62W-508FNL-1140FEL | | | | | | | | | | |
| Contractor: | | Rig/Platform Name/Num: Cade 26 | | | | | | | | |
| Job BOM: 7522 | | | | | | | | | | |
| Well Type: HORIZONTAL OIL | | | | | | | | | | |
| Sales Person: HALAMERICA\HX38199 | | Srv Supervisor: Nathan McBride | | | | | | | | |
| Job | | | | | | | | | | |
| Formation Name | | | | | | | | | | |
| Formation Depth (MD) | Top | Bottom | | | | | | | | |
| Form Type | BHST | | | | | | | | | |
| Job depth MD | 6850ft | Job Depth TVD | | | | | | | | |
| Water Depth | | Wk Ht Above Floor | | | | | | | | |
| Perforation Depth (MD) | From | To | | | | | | | | |
| Well Data | | | | | | | | | | |
| Description | New / Used | Size in | ID in | Weight lbm/ft | Thread | Grade | Top MD ft | Bottom MD ft | Top TVD ft | Bottom TVD ft |
| Casing | | 9.625 | 8.921 | 36 | | | 0 | 467 | 0 | 467 |
| Casing | | 7 | 6.276 | 26 | | P-110 | 0 | 6850 | 0 | 6337 |
| Open Hole Section | | | 8.75 | | | | 467 | 6850 | 467 | 6337 |
| Tools and Accessories | | | | | | | | | | |
| Type | Size in | Qty | Make | Depth ft | Type | Size in | Qty | Make | | |
| Guide Shoe | 7 | | | | Top Plug | 7 | 1 | HES | | |
| Float Shoe | 7 | | | 6707 | Bottom Plug | 7 | | HES | | |
| Float Collar | 7 | | | 6665 | SSR plug set | 7 | | HES | | |
| Insert Float | 7 | | | | Plug Container | 7 | | HES | | |
| Stage Tool | 7 | | | | Centralizers | 7 | | HES | | |
| Miscellaneous Materials | | | | | | | | | | |
| Gelling Agt | | Conc | | Surfactant | | Conc | Acid Type | | Qty | Conc |
| Treatment Fld | | Conc | | Inhibitor | | Conc | Sand Type | | Size | Qty |
| Fluid Data | | | | | | | | | | |
| Stage/Plug #: 1 | | | | | | | | | | |
| Fluid # | Stage Type | Fluid Name | Qty | Qty UoM | Mixing Density lbm/gal | Yield ft ³ /sack | Mix Fluid Gal | Rate bbl/min | Total Mix Fluid Gal | |
| 1 | Mud Flush III (Powder) | Mud Flush III | 20 | bbl | 8.4 | | | 6 | | |
| 42 gal/bbl | | FRESH WATER | | | | | | | | |

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| Fluid # | Stage Type | Fluid Name | Qty | Qty UoM | Mixing Density lbm/gal | Yield ft3/sack | Mix Fluid Gal | Rate bbl/mi n | Total Mix Fluid Gal |
|---------------------|--------------|------------------------|-------|---------|---------------------------|-------------------|------------------|---------------------|---------------------------|
| 2 | Lead Cement | ECONOCEM (TM) SYSTEM | 529 | sack | 12.5 | 1.89 | | 5 | 10.23 |
| 10.23 Gal | | FRESH WATER | | | | | | | |
| Fluid # | Stage Type | Fluid Name | Qty | Qty UoM | Mixing Density lbm/gal | Yield ft3/sack | Mix Fluid Gal | Rate bbl/mi n | Total Mix Fluid Gal |
| 3 | Tail Cement | EXPANDACEM (TM) SYSTEM | 261 | sack | 14.6 | 1.45 | | 5 | 6.04 |
| 6.04 Gal | | FRESH WATER | | | | | | | |
| Fluid # | Stage Type | Fluid Name | Qty | Qty UoM | Mixing Density lbm/gal | Yield ft3/sack | Mix Fluid Gal | Rate bbl/mi n | Total Mix Fluid Gal |
| 4 | Displacement | Displacement | 254.3 | bbl | 8.33 | | | | |
| Cement Left in Pipe | | | | Amount | 42 ft | Reason | | Shoe Joint | |
| Comment | | | | | | | | | |