

1.2 Cementing Job Summary

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

| | | | | | | | | | | |
|--|----------------------------|--------------------------------|---------------------------|---------------|------------------------|-----------------------------|---------------|--------------|---------------------|---------------|
| Sold To #: 340078 | Ship To #: 3117289 | Quote #: | Sales Order #: 0901696786 | | | | | | | |
| Customer: ENCANA OIL & GAS (USA) INC. - EBUS | | Customer Rep: | | | | | | | | |
| Well Name: DRIETH | Well #: 4B-6 H-I368 | API/UWI #: 05-123-37614-00 | | | | | | | | |
| Field: WATTENBERG | City (SAP): BERTHOUD | County/Parish: WELD | State: COLORADO | | | | | | | |
| Legal Description: NE SE-6-3N-68W-2425FSL-560FEL | | | | | | | | | | |
| Contractor: | | Rig/Platform Name/Num: H&P 522 | | | | | | | | |
| Job BOM: 7523 | | | | | | | | | | |
| Well Type: HORIZONTAL GAS | | | | | | | | | | |
| Sales Person: HALAMERICA/H117930 | | Srv Supervisor: Joseph Romero | | | | | | | | |
| Job | | | | | | | | | | |
| Formation Name | | | | | | | | | | |
| Formation Depth (MD) | Top | Bottom | | | | | | | | |
| Form Type | | BHST | | | | | | | | |
| Job depth MD | 17230ft | 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 | | 7 | 6.276 | 26 | | N-80 | 0 | 7608 | 0 | 0 |
| Casing | | 4.5 | 3.92 | 13.5 | | P-110 | 0 | 11486 | 0 | 0 |
| Open Hole Section | | | 6.125 | | | | 7608 | 11486 | 0 | 0 |
| Tools and Accessories | | | | | | | | | | |
| Type | Size in | Qty | Make | Depth ft | Type | Size in | Qty | Make | | |
| Guide Shoe | 4.5 | | | 11486 | Top Plug | 4.5 | | HES | | |
| Float Shoe | 4.5 | | | | Bottom Plug | 4.5 | | HES | | |
| Float Collar | 4.5 | | | | SSR plug set | 4.5 | | HES | | |
| Insert Float | 4.5 | | | | Plug Container | 4.5 | | HES | | |
| Stage Tool | 4.5 | | | | Centralizers | 4.5 | | 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 | 13 lb/gal Tuned Spacer III | Tuned Spacer III | 30 | bbl | 13 | 2.37 | 14.4 | | | |
| 33.86 gal/bbl | | FRESH WATER | | | | | | | | |
| 235.92 lbm/bbl | | BARITE, BULK (100003681) | | | | | | | | |

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| Fluid # | Stage Type | Fluid Name | Qty | Qty UoM | Mixing Density lbm/gal | Yield ft3/sack | Mix Fluid Gal | Rate bbl/min | Total Mix Fluid Gal |
|---------------------|------------------|---------------------------|-----|---------|------------------------------|-------------------|---------------------|-----------------|---------------------------|
| 2 | ExpandaCem B2 | EXPANDACEM (TM) SYSTEM | 393 | sack | 13.8 | 1.67 | | 4 | 7.7 |
| 7.70 Gal | | FRESH WATER | | | | | | | |
| | | | | | | | | | |
| Fluid # | Stage Type | Fluid Name | Qty | Qty UoM | Mixing Density lbm/gal | Yield ft3/sack | Mix Fluid Gal | Rate bbl/min | Total Mix Fluid Gal |
| 3 | Fresh Water | Fresh Water | 171 | bbl | 8.3 | | | | |
| | | | | | | | | | |
| Cement Left In Pipe | | Amount | ft | Reason | | | Shoe Joint | | |
| Comment | | | | | | | | | |