

1.2 Cementing Job Summary

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

| | | | | | | | | | | |
|---|----------------------------|--------------------------|-------|--------------------------------|------------------------|---------------------------|---------------|--------------|---------------------|---------------|
| Sold To #: 340078 | | Ship To #: 3542616 | | Quote #: | | Sales Order #: 0901701964 | | | | |
| Customer: ENCANA OIL & GAS (USA) INC. - EBUS | | | | Customer Rep: Encana Rep | | | | | | |
| Well Name: DALE | | Well #: 4H-20H-0264 | | API/UWI #: 05-123-39725-00 | | | | | | |
| Field: WATTENBERG | | City (SAP): KEENESBURG | | County/Parish: WELD | | State: COLORADO | | | | |
| Legal Description: SW SE-20-2N-64W-337FSL-1754FEL | | | | | | | | | | |
| Contractor: | | | | Rig/Platform Name/Num: H&P 278 | | | | | | |
| Job BOM: 7523 | | | | | | | | | | |
| Well Type: HORIZONTAL GAS | | | | | | | | | | |
| Sales Person: HALAMERICA\HB21661 | | | | Srv Supervisor: Nathan McBride | | | | | | |
| Job | | | | | | | | | | |
| Formation Name | | | | | | | | | | |
| Formation Depth (MD) | | Top | | Bottom | | | | | | |
| Form Type | | | | BHST | | | | | | |
| Job depth MD | | 11750ft | | 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 | 6.366 | 23 | | N-80 | 0 | 7621 | 0 | 7189 |
| Casing | | 4.5 | 3.92 | 13.5 | | P-110 | 0 | 11750 | 0 | 7189 |
| Open Hole Section | | | 6.125 | | | | 7621 | 11750 | 7189 | 7189 |
| Tools and Accessories | | | | | | | | | | |
| Type | Size in | Qty | Make | Depth ft | Type | Size in | Qty | Make | | |
| Guide Shoe | 4.5 | | | 11750 | 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 ft3/sack | Mix Fluid Gal | Rate bbl/min | Total Mix Fluid Gal | |
| 1 | 13 lb/gal Tuned Spacer III | Tuned Spacer III | 30 | bbl | 13 | 2.36 | 14.3 | 3 | | |
| 33.86 gal/bbl | | FRESH WATER | | | | | | | | |
| 236.58 lbm/bbl | | BARITE, BULK (100003681) | | | | | | | | |

last updated on 9/29/2014 3:09:25 PM

Page 1 of 3

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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 | 353 | sack | 13.8 | 1.67 | | 5 | 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 | 174.6 | bbl | 8.3 | | | | |
| | | | | | | | | | |
| Cement Left In Pipe | | Amount | ft | Reason | | | Shoe Joint | | |
| Comment | | | | | | | | | |

1.3