

HALLIBURTON

The Road to Excellence Starts with Safety

| | | | |
|--|---------------------------|---|--------------------------------|
| Sold To #: 344659 | Ship To #: 2889454 | Quote #: | Sales Order #: 9050823 |
| Customer: CHESAPEAKE OPERATING INC EBUSINESS | | Customer Rep: | |
| Well Name: Sidwell | | Well #: 32-10-66 1H | API/UWI #: 05-123-33550 |
| Field: WILD CAT | City (SAP): NUNN | County/Parish: Weld | State: Colorado |
| Contractor: ? | | Rig/Platform Name/Num: . | |
| Job Purpose: Cement Surface Casing | | | |
| Well Type: Development Well | | Job Type: Cement Surface Casing | |
| Sales Person: FLING, MATTHEW | | Srvc Supervisor: ROSALES, MATTHEW | MBU ID Emp #: 392095 |

Job Personnel

| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
|---------------------------|---------|--------|-----------------|---------|--------|-------------------------|---------|--------|
| BANUELOS, GUADALUPE | | 372277 | BARNES, BRIAN L | | 485204 | PAUMEN, CORD Anthony | | 453759 |
| ROSALLES, MATTHEW John | | 392095 | | | | | | |

Equipment

| | | | | | | | |
|-------------------|-----------------------|-------------------|-----------------------|-------------------|-----------------------|-------------------|-----------------------|
| HES Unit # | <i>Distance-1 way</i> | HES Unit # | <i>Distance-1 way</i> | HES Unit # | <i>Distance-1 way</i> | HES Unit # | <i>Distance-1 way</i> |
| 10248053C | 57 mile | 11488570C | 57 mile | 11526488 | 57 mile | 11605598 | 57 mile |
| 5707C | 57 mile | | | | | | |

Job Hours

| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|-------|-------------------|-----------------|------|--|-----------------|------|-------------------|-----------------|
| | | | | | | | | |
| TOTAL | | | | Total is the sum of each column separately | | | | |

| Job | | | | | | Job Times | | | |
|------------------------|----------|--|--|-------------------|----------|---------------|-----------------|-------|-----------|
| Formation Name | | | | | | | Date | Time | Time Zone |
| Formation Depth (MD) | Top | | | Bottom | | Called Out | 11 - Nov - 2011 | 14:00 | MST |
| Form Type | | | | BHST | | On Location | 11 - Nov - 2011 | 17:30 | MST |
| Job depth MD | 1772. ft | | | Job Depth TVD | 1772. ft | Job Started | 11 - Nov - 2011 | 23:14 | MST |
| Water Depth | | | | Wk Ht Above Floor | | Job Completed | 12 - Nov - 2011 | 00:36 | MST |
| Perforation Depth (MD) | From | | | To | | Departed Loc | 12 - Nov - 2011 | 02:00 | MST |

Well Data

| Description | New / Used | Max pressure psig | Size in | ID in | Weight lbm/ft | Thread | Grade | Top MD ft | Bottom MD ft | Top TVD ft | Bottom TVD ft |
|----------------|------------|-------------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
| Open Hole | | | | 12.25 | | | | . | 1772. | | |
| Surface Casing | Unknown | | 9.625 | 8.835 | 40. | | N-80 | . | 1782. | | |

Tools and Accessories

| Type | Size | Qty | Make | Depth | Type | Size | Qty | Make | Depth | Type | Size | Qty | Make |
|--------------|------|-----|------|-------|-------------|------|-----|------|-------|----------------|------|-----|------|
| Guide Shoe | | | | | Packer | | | | | Top Plug | | | |
| Float Shoe | | | | | Bridge Plug | | | | | Bottom Plug | | | |
| Float Collar | | | | | Retainer | | | | | SSR plug set | | | |
| Insert Float | | | | | | | | | | Plug Container | | | |
| Stage Tool | | | | | | | | | | Centralizers | | | |

Miscellaneous Materials

| Gelling Agt | Conc | Surfactant | Conc | Acid Type | Qty | Conc | % |
|---------------|------|------------|------|-----------|------|------|---|
| Treatment Fld | Conc | Inhibitor | Conc | Sand Type | Size | Qty | |

Fluid Data

HALLIBURTON

| Stage/Plug #: 1 | | | | | | | | | | |
|--|----------------------|-------------------------------|-----------------|-----------------------------------|------------------------|---------------------------|------------------|--------------|------------------------|----|
| Fluid # | Stage Type | Fluid Name | Qty | Qty uom | Mixing Density lbm/gal | Yield ft ³ /sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk | |
| 1 | Water Spacer | | 40.00 | bbl | 8.33 | .0 | .0 | 5.0 | | |
| 2 | Swiftcem Lead Cement | SWIFTCEM (TM) SYSTEM (452990) | 335.0 | sacks | 12. | 2.47 | 14.56 | | 14.56 | |
| | 14.56 Gal | FRESH WATER | | | | | | | | |
| 3 | SWIFTCEM 13# | SWIFTCEM (TM) SYSTEM (452990) | 170.0 | sacks | 13. | 1.94 | 10.61 | | 10.61 | |
| | 10.61 Gal | FRESH WATER | | | | | | | | |
| 4 | Water Displacement | | | bbl | 8.33 | .0 | .0 | 5.0 | | |
| Calculated Values | | Pressures | | Volumes | | | | | | |
| Displacement | | Shut In: Instant | | Lost Returns | | Cement Slurry | | Pad | | |
| Top Of Cement | | 5 Min | | Cement Returns | | Actual Displacement | | Treatment | | |
| Frac Gradient | | 15 Min | | Spacers | | Load and Breakdown | | Total Job | | |
| Rates | | | | | | | | | | |
| Circulating | | Mixing | | Displacement | | Avg. Job | | | | |
| Cement Left In Pipe | Amount | 84 ft | Reason | Shoe Joint | | | | | | |
| Frac Ring # 1 @ | ID | | Frac ring # 2 @ | ID | | Frac Ring # 3 @ | ID | | Frac Ring # 4 @ | ID |
| The Information Stated Herein Is Correct | | | | Customer Representative Signature | | | | | | |