

| | | | |
|---|--------------------|----------------------------------|---------------------------|
| Sold To #: 345242 | Ship To #: 3672652 | Quote #: | Sales Order #: 0902635565 |
| Customer: NOBLE ENERGY INC E-BUSINESS | | Customer Rep: JOHNNY SANCHZ | |
| Well Name: GREYSON | Well #: LD28-760 | API/UWI #: 05-123-41587-00 | |
| Field: WILDCAT | City (SAP): RAYMER | County/Parish: WELD | State: COLORADO |
| Legal Description: SE SW-28-9N-58W-610FSL-1672FWL | | | |
| Contractor: H & P DRLG | | Rig/Platform Name/Num: H & P 343 | |
| Job BOM: 7522 | | | |
| Well Type: HORIZONTAL OIL | | | |
| Sales Person: HALAMERICA\HB45834 | | Srcv Supervisor: Vaughn Oteri | |

Job

| | | | |
|------------------------|--------|-------------------|----------|
| Formation Name | | | |
| Formation Depth (MD) | Top | | Bottom |
| Form Type | | BHST | 225 degF |
| Job depth MD | 6243ft | 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 | 0 | 9.625 | 8.921 | 36 | BTC | J-55 | 0 | 1136 | 0 | 0 |
| Casing | 0 | 7 | 6.276 | 26 | BTC | P-110 | 0 | 6236 | | 0 |
| Open Hole Section | | | 8.75 | | | | 1136 | 6243 | 0 | 0 |

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 | 1 | | | Bottom Plug | 7 | 2 | HES |
| Float Collar | 7 | 1 | | | SSR plug set | 7 | | HES |
| Insert Float | 7 | | | | Plug Container | 7 | 1 | 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 ft3/sack | Mix Fluid Gal | Rate bbl/min | Total Mix Fluid Gal |
| 1 | 12.5 lb/gal Tuned Spacer III | Tuned Spacer III | 50 | bbl | 12.5 | 2.76 | 17 | 6 | |

| | | | | | | | | | | |
|--|-------------------|-----------------------------------|------------|----------------|-------------------------------|-----------------------|----------------------|---------------------|----------------------------|--|
| 203.65 lbm/bbl | | BARITE, BULK (100003681) | | | | | | | | |
| 34.60 gal/bbl | | FRESH WATER | | | | | | | | |
| 0.50 lbm/bbl | | POLY-E-FLAKE (101216940) | | | | | | | | |
| 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 | ElastiCem | ELASTICEM (TM) SYSTEM | 482 | sack | 13.6 | 1.88 | | 6 | 8.56 | |
| 0.60 % | | HR-5, 50 LB SK (100005050) | | | | | | | | |
| 8.56 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 | Displacement | Displacement | 236.5 | bbl | 8.33 | | | | | |
| | | | | | | | | | | |
| Cement Left In Pipe | | Amount | 42 ft | | Reason | | Shoe Joint | | | |
| Comment 16 BBL OF TUNE SPACER BACK TO SURFACE | | | | | | | | | | |

2.0 Real-Time Job Summary

2.1 Job Event Log

| Type | Seq. No. | Activity | Graph Label | Date | Time | Source | PS Pump Press (psi) | DH Density (ppg) | PS Pump Rate (bbl/min) | Comments |
|-------|----------|-------------------|-------------------|----------|----------|--------|---------------------|------------------|------------------------|---|
| Event | 1 | Call Out | Call Out | 8/6/2015 | 22:45:00 | USER | | | | CALL OUT FROM ARS OFFICE |
| Event | 2 | Arrive At Loc | Arrive At Loc | 8/7/2015 | 03:15:00 | USER | | | | REQUESTED ON LOCATION @0330 ARRIVED @0315 MET WITH COMPANY REP TO DISCUSS JOB PROCESS AND COCERNS ADVISED THAT THEY HAD OVER 2000 FEET OF CASING LEFT TO RUN |
| Event | 3 | Start Job | Start Job | 8/7/2015 | 07:39:37 | COM1 | | | | PRELOADED ALL THREE PLUGS INTO CEMENT HEAD WITNESSED BY COMPANY REP, HELD PREJOB SAFETY MEETING WITH ALL HANDS ON LOCATION TO DISCUSS JOB PROCESS AND HAZARDS |
| Event | 4 | Test Lines | Test Lines | 8/7/2015 | 07:45:34 | COM1 | 4187.00 | 8.58 | 0.00 | PRESSURE TESTED PUMPS AND LINS FOUND NO LEAKS PRESSURE HELD GOOD |
| Event | 5 | Drop Bottom Plug | Drop Bottom Plug | 8/7/2015 | 07:50:10 | COM1 | | | | RELEASED PLUG WITNESSED BY COMPANY REP |
| Event | 6 | Pump Spacer 1 | Pump Spacer 1 | 8/7/2015 | 07:50:44 | COM1 | 3.00 | 12.56 | 350.00 | MIXED 50BBL OF 12.5PPG TUNED SPACER |
| Event | 7 | Drop Bottom Plug | Drop Bottom Plug | 8/7/2015 | 08:05:38 | COM1 | | | | RELEASED PLUG WITNESSED BY COMPANY REP |
| Event | 8 | Pump Lead Cement | Pump Lead Cement | 8/7/2015 | 08:09:02 | COM1 | 850.00 | 13.60 | 8.00 | MIXED 162BBL OF 13.6PPG ELASTICEM AT 8.0 BPM 777PSI |
| Event | 9 | Check Weight | Check weight | 8/7/2015 | 08:12:00 | COM1 | 228.00 | 13.42 | 6.00 | CONFIRM WEIGHT ON SCALES |
| Event | 10 | Shutdown | Shutdown | 8/7/2015 | 08:37:15 | COM1 | | | | |
| Event | 11 | Drop Top Plug | Drop Top Plug | 8/7/2015 | 08:38:28 | COM1 | | | | RELEASED PLUG WITNESSED BY COMPANY REP |
| Event | 12 | Pump Displacement | Pump Displacement | 8/7/2015 | 08:39:22 | COM1 | 950.00 | 11.00 | 8.00 | PUMPED 236.5BBL OF DRILL MUD TO DISPLACE CEMENT |
| Event | 13 | Bump Plug | Bump Plug | 8/7/2015 | 09:15:45 | COM1 | 2148.00 | 8.24 | 0.00 | BUMPED PLUG 500PSI OVER FINAL PUMP PRESSURE |
| Event | 14 | Pressure Up Well | Pressure Up Well | 8/7/2015 | 09:16:38 | COM1 | 2165.00 | 8.25 | 0.00 | PRESSURE UP WELL PER NOBLE POLICY |
| Event | 15 | Other | Other | 8/7/2015 | 09:33:17 | COM1 | 6.00 | 8.37 | 0.00 | RELEASED PRESSURE BACK TO PUMP TRUCK TO CHECK FLOATS 2.5BBL BACK |

| | | | | | | | |
|-------|----|---------|---------|----------|----------|------|---------------------------------------|
| Event | 16 | End Job | End Job | 8/7/2015 | 09:33:52 | COM1 | 16BBL OF TUNED SPACER BACK TO SURFACE |
|-------|----|---------|---------|----------|----------|------|---------------------------------------|