

**NOBLE ENERGY INC E-BUSINESS
DO NOT MAIL-804 GRAND AVENUE
PLATTEVILLE, Colorado**

Miller P27-4Ji

Post Job Summary Recement Service

Prepared for:
Date Prepared: 3/19/2013
Version: 1

Service Supervisor: OZBUN, RYAN

Submitted by: FINNEY, SEAN

HALLIBURTON

Wellbore Geometry

| Job Tubulars | | | | | MD | |
|--------------|-------------------|---------|-------|-----------|--------|-----------|
| Type | Description | Size in | ID in | Wt lbm/ft | Top ft | Bottom ft |
| Casing | Surface Casing | 8.63 | 8.097 | 24.00 | 0.00 | 462.00 |
| Casing | Production Casing | 4.50 | 4.000 | 11.60 | 0.00 | 6,780.00 |
| Tubing | 2 3/8" tubing | 2.38 | 1.995 | 4.60 | 0.00 | 6,643.00 |

HALLIBURTON

Pumping Schedule

| Stage /Plug # | Fluid # | Fluid Type | Fluid Name | Surface Density lbm/gal | Avg Rate bbl/min | Surface Volume | Downhole Volume |
|---------------|---------|---------------|--------------|-------------------------|------------------|----------------|-----------------|
| 1 | 1 | Cement Slurry | 15.8# Cement | 15.80 | 2.00 | 440.0 sacks | 440.0 sacks |

Fluids Pumped

Stage/Plug # 1 Fluid 1: 15.8# Cement
 HALCEM (TM) SYSTEM

Fluid Weight: 15.80 lbm/gal
Slurry Yield: 1.15 ft³/sack
Total Mixing Fluid: 4.97 Gal
Surface Volume: 440.0 sacks
Sacks: 440.0 sacks
Pump Rate: 2.00 bbl/min

HALLIBURTON

Service Supervisor Reports

Job Log

| Date/Time | Chart # | Activity Code | Pump Rate | Cum Vol | Pump | | Pressure (psig) | Comments |
|------------------|---------|-------------------|-----------|---------|------|--|-----------------|--|
| 08/22/2012 08:30 | | Start Job | | | | | | PERFORM WATER TEST ALL RESULTS NORMAL AND OK TO MIX WITH |
| 08/22/2012 08:34 | | Test Lines | | | | | | TEST LINES TO 4000 PSI CHECK FOR VISIBLE LEAKS AND PRESSURE LOSS. HAD TO REPLACE 1 INCH RELEASE LINE VALVE AND RE TEST AGAIN ALL CHECKED OUT GOOD ON SECOND TEST |
| 08/22/2012 08:36 | | Pump Spacer 1 | 2 | 10 | | | 1500.0 | PUMP 10 BBL FRESH WATER AHEAD TO ESTABLISH INJECTION RATE |
| 08/22/2012 08:44 | | Pump Cement | 2 | 25.7 | | | 38.0 | PUMP 440 SKS HALCEM 15.8 PPG 1.15 YEILD 4.98 GAL/SK 90 BBL MIXED ON THE FLY WITH TESTED WATER |
| 08/22/2012 09:30 | | Pump Displacement | 2 | 25.7 | | | 700.0 | PUMP 25.7 BBL FRESH WATER DISPLACEMENT |
| 08/22/2012 09:44 | | End Job | | | | | | END JOB |

The Road to Excellence Starts with Safety

| | | | |
|--|---|---------------------|------------------------|
| Sold To #: 345242 | Ship To #: 2946893 | Quote #: | Sales Order #: 9761336 |
| Customer: NOBLE ENERGY INC E-BUSINESS | Customer Rep: Hohenstein, Chris | | |
| Well Name: Miller | Well #: P27-4Ji | API/UWI #: | 05-123-20159 |
| Field: WATTENBERG | City (SAP): PLATTEVILLE | County/Parish: Weld | State: Colorado |
| Lat: N 40.202 deg. OR N 40 deg. 12 min. 6.66 secs. | Long: W 104.884 deg. OR W -105 deg. 6 min. 56.484 secs. | | |
| Job Purpose: Recement Service | | | |
| Well Type: Development Well | Job Type: Recement Service | | |
| Sales Person: FLING, MATTHEW | Srvc Supervisor: OZBUN, RYAN | MBU ID Emp #: | 475709 |

Job Personnel

| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
|------------------------------|---------|--------|----------------------|---------|--------|-------------------|---------|--------|
| DIRKS, RICHARD E | 0.0 | 485940 | HINKLE, BRADLEY Dean | 0.0 | 512123 | OZBUN, RYAN Jacob | 0.0 | 475709 |
| SANSONI, NICHOLAS Sterling J | 0.0 | 502962 | | | | | | |

Equipment

| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10246780C | 15 mile | 11398490 | 15 mile | 11562544C | 15 mile | 11605597 | 15 mile |
| 11764054C | 15 mile | 11764737 | 15 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

| Formation Name | Top | Bottom | Called Out | Date | Time | Time Zone |
|------------------------|----------|-------------------|---------------|-----------------|-------|-----------|
| Formation Depth (MD) | | | On Location | 22 - Aug - 2012 | 04:00 | MST |
| Form Type | | BHST | Job Started | 22 - Aug - 2012 | 06:30 | MST |
| Job depth MD | 6780. ft | Job Depth TVD | Job Completed | 22 - Aug - 2012 | 08:30 | MST |
| Water Depth | | Wk Ht Above Floor | Departed Loc | 22 - Aug - 2012 | 09:45 | MST |
| Perforation Depth (MD) | From | To | | 22 - Aug - 2012 | 10:30 | 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 |
|-------------------|------------|-------------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
| Production Casing | Used | | 4.5 | 4. | 11.6 | | L-80 | . | 6780. | . | 6780. |
| Surface Casing | Used | | 8.625 | 8.097 | 24. | | J-55 | . | 462. | . | 462. |
| 2 3/8" tubing | Used | | 2.375 | 1.995 | 4.6 | | | . | 6643. | . | 6643. |

Fluid Data

| 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 | 15.8# Cement | HALCEM (TM) SYSTEM (452986) | 440.0 | sacks | 15.8 | 1.15 | 4.97 | 2.0 | 4.97 |
| 4.966 Gal | | FRESH WATER | | | | | | | |
| <i>The Information Stated Herein Is Correct</i> | | | | <i>Customer Representative Signature</i> | | | | | |