
CHEVRON - MID-CONTINENT EBIZ

**SKR 698-09-AV-01
SKINNER RIDGE
Garfield County , Colorado**

Cement Production Casing **01-Jun-2009**

Job Site Documents

The Road to Excellence Starts with Safety

| | | | |
|---|--------------------------------|---|------------------------|
| Sold To #: 338668 | Ship To #: 2713339 | Quote #: | Sales Order #: 6702016 |
| Customer: CHEVRON - MID-CONTINENT EBIZ | | Customer Rep: MEIER, DAN | |
| Well Name: SKR | Well #: 698-09-AV-01 | API/UWI #: 05-045-17297 | |
| Field: SKINNER RIDGE | City (SAP): PARACHUTE | County/Parish: Garfield | State: Colorado |
| Lat: N 39.551 deg. OR N 39 deg. 33 min. 3.427 secs. | | Long: W 108.33 deg. OR W -109 deg. 40 min. 12.875 secs. | |
| Contractor: H&P 318 | Rig/Platform Name/Num: H&P 318 | | |
| Job Purpose: Cement Production Casing | | | |
| Well Type: Development Well | | Job Type: Cement Production Casing | |
| Sales Person: DUNNING, DUSTIN | | Srvc Supervisor: HONE, AARON | MBU ID Emp #: 381285 |

Job Personnel

| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
|------------------------|---------|--------|--------------------|---------|--------|----------------|---------|--------|
| HONE, AARON D | 9 | 381285 | JENSEN, SHANE Lynn | 9 | 441759 | LEIST, JAMES R | 9 | 362787 |
| MAGERS, MICHAEL Gerard | 9 | 339439 | SALAZAR, PAUL Omar | 9 | 445614 | SAUTER, MARK A | 9 | 410526 |

Equipment

| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10001431 | 120 mile | 10724643 | 120 mile | 10744648C | 120 mile | 10829467 | 120 mile |
| 10893932 | 120 mile | 10985907 | 120 mile | 10998508 | 120 mile | | |

Job Hours

| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|--------|-------------------|-----------------|------|-------------------|-----------------|------|-------------------|-----------------|
| 6/1/09 | 9 | | | | | | | |
| TOTAL | | | | | | | | |

Total is the sum of each column separately

Job

| Formation Name | Formation Depth (MD) | Top | Bottom | Form Type | Job depth MD | Job Depth TVD | Water Depth | Wk Ht Above Floor | Perforation Depth (MD) | From | To |
|----------------|----------------------|-----|--------|-----------|--------------|---------------|-------------|-------------------|------------------------|------|----|
| | | | | BHST | 6745. ft | 6745. ft | | 3 ft | | | |
| | | | | | | | | | | | |

Job Times

| Date | Time | Time Zone |
|-----------------|-------|-----------|
| 31 - May - 2009 | 22:30 | MST |
| 01 - Jun - 2009 | 02:00 | MST |
| 01 - Jun - 2009 | 06:39 | MST |
| 01 - Jun - 2009 | 08:15 | MST |
| 01 - Jun - 2009 | 10:20 | 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 |
|-------------|------------|-------------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
|-------------|------------|-------------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|

Sales/Rental/3rd Party (HES)

| Description | Qty | Qty uom | Depth | Supplier |
|--|-----|---------|-------|----------|
| PLUG,CMTG,TOP,4 1/2,HWE,3.65 MIN/4.14 MA | 1 | EA | | |
| PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI | 1 | JOB | | |
| ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI | 1 | JOB | | |

Tools and Accessories

| Type | Size | Qty | Make | Depth | Type | Size | Qty | Make | Depth | Type | Size | Qty | Make |
|--------------|------|-----|------|-------|-------------|------|-----|------|-------|----------------|------|-----|------|
| Guide Shoe | | | | | Packer | | | | | Top Plug | 4.5 | 1 | |
| Float Shoe | | | | | Bridge Plug | | | | | Bottom Plug | | | |
| Float Collar | | | | | Retainer | | | | | SSR plug set | | | |
| Insert Float | | | | | | | | | | Plug Container | 4.5 | 1 | |
| 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 | | | | | | | | | |
|--|------------------|------------------------------|------------|-----------------------------------|------------------------|---------------------------|------------------|--------------|------------------------|
| 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 | Dyed Spacer | | 40.00 | bbl | 8.33 | .0 | .0 | .0 | |
| 2 | Lead Cement | VARICEM (TM) CEMENT (452009) | 410.0 | sacks | 12.8 | 1.6 | 7.31 | | |
| 3 | Tail Cement | VARICEM (TM) CEMENT (452009) | 650.0 | sacks | 13.2 | 1.47 | 6.32 | | |
| 4 | KCL Displacement | | 103.3 | bbl | . | .0 | .0 | .0 | |
| Calculated Values | | Pressures | | Volumes | | | | | |
| Displacement | 103.3 | Shut In: Instant | | Lost Returns | 0 | Cement Slurry | | Pad | |
| Top Of Cement | | 5 Min | | Cement Returns | 0 | Actual Displacement | 103 | Treatment | |
| Frac Gradient | | 15 Min | | Spacers | 40 | Load and Breakdown | | Total Job | |
| Rates | | | | | | | | | |
| Circulating | 8.5 | Mixing | 5.5 | Displacement | 8 | Avg. Job | 7 | | |
| Cement Left In Pipe | Amount 47.39 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 | | | | | |

The Road to Excellence Starts with Safety

| | | | |
|---|-----------------------|---|-------------------------|
| The Road to Excellence Starts With Safety | | | |
| Sold To #: 338668 | Ship To #: 2713339 | Quote #: | Sales Order #: 6702016 |
| Customer: CHEVRON - MID-CONTINENT EBIZ | | Customer Rep: MEIER, DAN | |
| Well Name: SKR | | Well #: 698-09-AV-01 | API/UWI #: 05-045-17297 |
| Field: SKINNER RIDGE | City (SAP): PARACHUTE | County/Parish: Garfield | State: Colorado |
| Legal Description: | | | |
| Lat: N 39.551 deg. OR N 39 deg. 33 min. 3.427 secs. | | Long: W 108.33 deg. OR W -109 deg. 40 min. 12.875 secs. | |
| Contractor: H&P 318 | | Rig/Platform Name/Num: H&P 318 | |
| Job Purpose: Cement Production Casing | | | Ticket Amount: |
| Well Type: Development Well | | Job Type: Cement Production Casing | |
| Sales Person: DUNNING, DUSTIN | | Srvc Supervisor: HONE, AARON | MBU ID Emp #: 381285 |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|---------------------------------------|------------------|-------|--------------|------------|-------|---------------|--------|---|
| | | | | Stage | Total | Tubing | Casing | |
| Call Out | 05/31/2009 22:30 | | | | | | | |
| Pre-Convoy Safety Meeting | 06/01/2009 00:20 | | | | | | | |
| Crew Leave Yard | 06/01/2009 00:30 | | | | | | | |
| Arrive At Loc | 06/01/2009 02:00 | | | | | | | ARRIVED TO LOCATION SAFELY. RIG RUNNING CASING UPON ARRIVAL. |
| Assessment Of Location Safety Meeting | 06/01/2009 02:10 | | | | | | | |
| Pre-Rig Up Safety Meeting | 06/01/2009 02:20 | | | | | | | |
| Rig-Up Equipment | 06/01/2009 02:30 | | | | | | | |
| Pre-Job Safety Meeting | 06/01/2009 06:00 | | | | | | | PLUG CONTAINER INSPECTED. STAR ZIP TIED. |
| Start Job | 06/01/2009 06:39 | | | | | | | 8 5/8" 24# SURFACE CASING SET TO 998'. 7 7/8" OPEN HOLE FROM 998' TO 6745'. 4 1/2" 11.6# N-80 CASING SET AT 6715' SJ- 47.39' MUD- 10.5# |
| Test Lines | 06/01/2009 06:39 | | | | | | | 4500 PSI. |
| Pump Spacer 1 | 06/01/2009 06:42 | | 4 | 40 | | | 525.0 | 20 BBLS. FRESH WATER. 20 BBLS DYE AND POLYFLAKE. |
| Pump Lead Cement | 06/01/2009 06:52 | | 5 | 116.8 | | | 610.0 | VARICEM- 410 SKS, 12.8 PPG, 1.6 FT3/SK, 7.31 GAL/SK. BP- 14 |

Cementing Job Log

| Activity Description | Date/Time | Cht # | Rate bbl/ min | Volume bbl | | Pressure psig | | Comments |
|-----------------------------|---------------------|----------|---------------------|---------------|-------|------------------|------------|---|
| | | | | Stage | Total | Tubing | Casing | |
| Pump Tail Cement | 06/01/2009 07:18 | | 6 | 170.2 | | | 280.0 | VARICEM- 650 SKS, 13.2 PPG, 1.47 FT3/SK, 6.32 GAL/SK BP- 15 |
| Shutdown | 06/01/2009 07:50 | | | | | | | |
| Clean Lines | 06/01/2009 07:51 | | 8 | 30 | | | 400.0 | FRESH WATER |
| Drop Top Plug | 06/01/2009 07:55 | | | | | | | PLUG AWAY |
| Pump Displacement | 06/01/2009 07:56 | | 8 | 103.3 | | | 1761. 0 | FRESH WATER, KCL |
| Slow Rate | 06/01/2009 08:05 | | 2 | 93 | | | 1290. 0 | |
| Bump Plug | 06/01/2009 08:10 | | 2 | 103.3 | | | 1560. 0 | HELD TO 2383 PSI. |
| Check Floats | 06/01/2009 08:14 | | | | | | | FLOATS HELD. RELEASED PSI. 1 BBL. BACK TO TRUCK. |
| End Job | 06/01/2009 08:15 | | | | | | | GOOD RETURNS THROUGHOUT JOB. NO CEMENT TO SURFACE. POLYFLAKE SPACER 90 BBLS. INTO DISPLACEMENT. |
| Pre-Rig Down Safety Meeting | 06/01/2009 08:20 | | | | | | | |
| Rig-Down Equipment | 06/01/2009 08:30 | | | | | | | |
| Pre-Convoy Safety Meeting | 06/01/2009 10:20 | | | | | | | |
| Crew Leave Location | 06/01/2009 10:30 | | | | | | | THANK YOU FOR USING HALLIBURTON. |