
OXY GRAND JUNCTION EBUSINESS

**Cascade Creek 697-10-50B
GRAND VALLEY
Garfield County , Colorado**

Cement Surface Casing **28-Sep-2010**

Post Job Report

The Road to Excellence Starts with Safety

| | | | | | | | |
|--|--------------------------|---|--|---|--------------------------------|-------------------------------|--------------------------|
| Sold To #: 344034 | | Ship To #: 2809578 | | Quote #: | | Sales Order #: 7658807 | |
| Customer: OXY GRAND JUNCTION EBUSINESS | | | | Customer Rep: Dillion, Pat | | | |
| Well Name: Cascade Creek | | | Well #: 697-10-50B | | API/UWI #: 05-045-18011 | | |
| Field: GRAND VALLEY | | City (SAP): PARACHUTE | | County/Parish: Garfield | | State: Colorado | |
| Lat: N 39.53 deg. OR N 39 deg. 31 min. 46.333 secs. | | | | Long: W 108.213 deg. OR W -109 deg. 47 min. 12.667 secs. | | | |
| Contractor: H&P Drilling | | | Rig/Platform Name/Num: H&P 353 | | | | |
| Job Purpose: Cement Surface Casing | | | | | | | |
| Well Type: Development Well | | | | Job Type: Cement Surface Casing | | | |
| Sales Person: DUNNING, DUSTIN | | | Srvc Supervisor: PHILLIPS, MARK | | | MBU ID Emp #: 445272 | |
| Job Personnel | | | | | | | |
| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs |
| DUBON, TODD N | 13 | 443351 | JENKINS, DEMON Lashaun | 13 | 457892 | KUKUS, CHRISTOPHER A | 13 |
| PHILLIPS, MARK Bejar | 13 | 445272 | | | | | |
| 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 | 10822535 | 120 mile | 10867322 | 120 mile |
| 10951250 | 120 mile | 10998512 | 120 mile | 11360871 | 120 mile | 11542767 | 120 mile |
| Job Hours | | | | | | | |
| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours |
| 09.28.10 | 9 | 4 | | | | | |
| TOTAL | | <i>Total is the sum of each column separately</i> | | | | | |
| Job | | | | Job Times | | | |
| Formation Name | | | | Date | Time | Time Zone | |
| Formation Depth (MD) | Top | Bottom | | Called Out | 28 - Sep - 2010 | 10:20 | CST |
| Form Type | BHST | | | On Location | 28 - Sep - 2010 | 15:00 | CST |
| Job depth MD | 2735. ft | Job Depth TVD | 2735. ft | Job Started | 28 - Sep - 2010 | 17:39 | CST |
| Water Depth | | Wk Ht Above Floor | 6. ft | Job Completed | 28 - Sep - 2010 | 21:27 | CST |
| Perforation Depth (MD) | From | To | | Departed Loc | 29 - Sep - 2010 | 00:30 | CST |
| Well Data | | | | | | | |
| Description | New / Used | Max pressure psig | Size in | ID in | Weight lbm/ft | Thread | Grade |
| | | | | | | | |
| Sales/Rental/3rd Party (HES) | | | | | | | |
| Description | Qty | Qty uom | Depth | Supplier | | | |
| R/A DENSOMETER W/CHART RECORDER,/JOB,ZI | 1 | JOB | | | | | |
| PORT. DATA ACQUIS. W/OPTICEM RT W/HES | 1 | EA | | | | | |
| ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI | 1 | JOB | | | | | |
| PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA | 1 | EA | | | | | |
| Tools and Accessories | | | | | | | |
| Type | Size | Qty | Make | Depth | Type | Size | Qty |
| Guide Shoe | | | | | Packer | | |
| Float Shoe | | | | | Bridge Plug | | |
| Float Collar | | | | 2687.63 | Retainer | | |
| Insert Float | | | | | | | |
| Stage Tool | | | | | | | |
| 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 | Fresh Water Spacer | | 10.00 | bbl | 8.33 | .0 | .0 | 4.0 | | |
| 2 | Super Flush 101 | SUPER FLUSH 101 - SBM (12199) | 20.00 | bbl | 10. | .0 | .0 | 4.0 | | |
| 3 | Fresh Water Spacer | | 10.00 | bbl | 8.33 | .0 | .0 | 6.0 | | |
| 4 | VersaCem Lead Slurry | VERSACEM (TM) SYSTEM (452010) | 1055.0 | sacks | 12.3 | 2.33 | 12.62 | 6.0 | 12.62 | |
| 12.62 Gal | | FRESH WATER | | | | | | | | |
| 5 | VersaCem Tail Slurry | VERSACEM (TM) SYSTEM (452010) | 160.0 | sacks | 12.8 | 2.07 | 10.67 | 6.0 | 10.67 | |
| 10.67 Gal | | FRESH WATER | | | | | | | | |
| 6 | Displacement | | 208.00 | bbl | 8.34 | .0 | .0 | 6.0 | | |
| Calculated Values | | | Pressures | | | Volumes | | | | |
| Displacement | 207.8 | Shut In: Instant | | Lost Returns | | Cement Slurry | 497 | Pad | | |
| Top Of Cement | SURFACE | 5 Min | | Cement Returns | 127 | Actual Displacement | 207.8 | Treatment | | |
| Frac Gradient | | 15 Min | | Spacers | 40 | Load and Breakdown | | Total Job | 745 | |
| Rates | | | | | | | | | | |
| Circulating | 2 | Mixing | 6 | Displacement | 6 | Avg. Job | 6 | | | |
| Cement Left In Pipe | Amount | 47 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 | | | | | | |

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| Field: GRAND VALLEY | City (SAP): PARACHUTE | County/Parish: Garfield | State: Colorado |
| Legal Description: | | | |
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| Contractor: H&P Drilling | | Rig/Platform Name/Num: H&P 353 | |
| Job Purpose: Cement Surface Casing | | | Ticket Amount: |
| Well Type: Development Well | | Job Type: Cement Surface Casing | |
| Sales Person: DUNNING, DUSTIN | | Srvc Supervisor: PHILLIPS, MARK | MBU ID Emp #: 445272 |

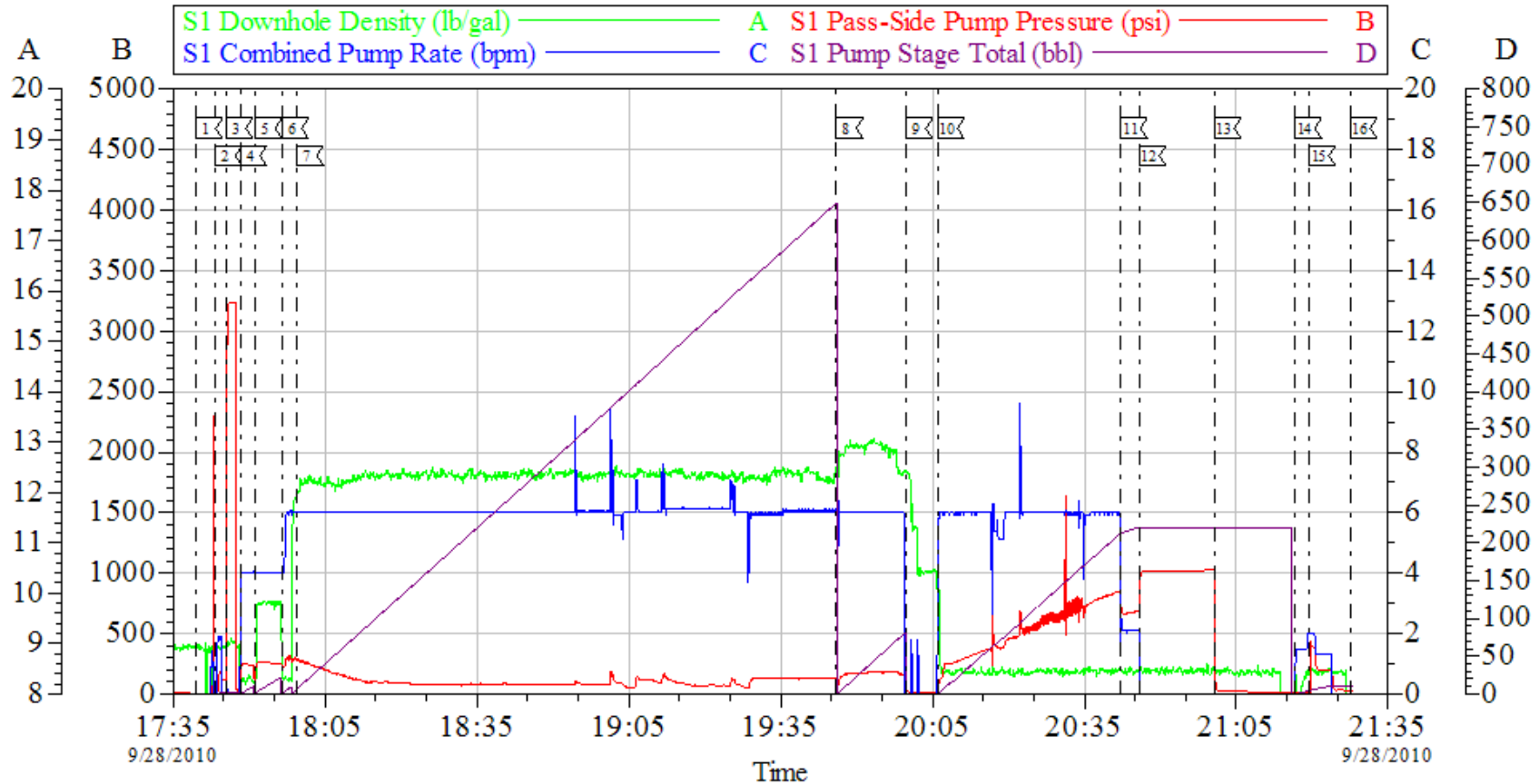
| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|---------------------------------------|------------------|-------|--------------|------------|-------|---------------|--------|--|
| | | | | Stage | Total | Tubing | Casing | |
| Pre-Convoy Safety Meeting | 09/28/2010 00:20 | | | | | | | ALL HES EMPLOYEES |
| Crew Leave Location | 09/28/2010 00:30 | | | | | | | LOCATION CLEAN |
| Call Out | 09/28/2010 10:00 | | | | | | | |
| Pre-Convoy Safety Meeting | 09/28/2010 13:00 | | | | | | | ALL HES EMPLOYEES |
| Arrive At Loc | 09/28/2010 15:00 | | | | | | | RIG STILL RUNNING CASING |
| Assessment Of Location Safety Meeting | 09/28/2010 15:10 | | | | | | | ALL HES EMPLOYEES |
| Rig-Up Equipment | 09/28/2010 15:30 | | | | | | | 1 HT-400 PUMP TRUCK, 1 660 BULK TRUCK, 1 F-450 P/U, 1 1600 FIELD BIN, 1 SUPER FLUSH TRANSPORT, 1 QUICK LATCH PLUG CONTAINER |
| Pre-Job Safety Meeting | 09/28/2010 17:00 | | | | | | | ALL HES EMPLOYEES, RIG CREW, CO REP AND ANY 3RD PARTY VENDORS |
| Start Job | 09/28/2010 17:39 | | | | | | | SP 2735 FT, TD 2765 FT, FC 2687.63 FT, HOLE 14.75", MUD WT 9.2 PPG, RATE WILL BE 6-6-2, WILL BUMP 500 PSI OVER LAND PSI, 12 BBL SUGER WATER AFTER FLOATS HOLD THROUGH PARACITE, RIG CIRCULATED HOLE FOR 2 HRS. . |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|---------------------------|------------------|-------|--------------|------------|-------|---------------|--------|--|
| | | | | Stage | Total | Tubing | Casing | |
| Pump Water | 09/28/2010 17:41 | | 2 | 2 | | | 185.0 | FILL LINES PRIOR TO PRESSURE TESTING LINES |
| Pressure Test | 09/28/2010 17:45 | | 0.5 | 0.1 | | 3250.0 | | NO LEAKS, KICK OUTS SET TO 3000 PSI FOR TEST. |
| Pump Spacer 2 | 09/28/2010 17:48 | | 4 | 10 | | | 280.0 | FRESH WATER |
| Pump Spacer 1 | 09/28/2010 17:51 | | 4 | 20 | | | 250.0 | SUPER FLUSH |
| Pump Spacer 1 | 09/28/2010 17:56 | | 6 | 10 | | | 300.0 | FRESH WATER |
| Pump Lead Cement | 09/28/2010 17:59 | | 6 | 437.8 | | | 130.0 | 1055 SKS VERSACEM CMT TO BE MIXED AT 12.3 PPG, 2.33 YIELD, 12.62 GAL/SK, CMT TO BE WEIGHED VIA PRESSURE BALANCED MUD SCALES WET AND DRY SAMPLES SUBMITTED. |
| Pump Tail Cement | 09/28/2010 19:46 | | 6 | 59 | | | 150.0 | 160 SKS VERSACEM CMT TO BE MIXED AT 12.8 PPG, 2.07 YIELD, 10.67 GAL/SK, CMT TO BE WEIGHED VIA PRESSURE BALANCED MUD SCALES, WET AND DRY SAMPLES SUBMITTED, |
| Shutdown | 09/28/2010 19:59 | | | | | | | |
| Drop Plug | 09/28/2010 20:00 | | | | | | | PLUG LAUNCHED, BROKE OFF TOP CAP TO ENSURE PLUG LEFT. |
| Pump Displacement | 09/28/2010 20:05 | | 6 | 207.8 | | | 890.0 | FRESH WATER |
| Cement Returns to Surface | 09/28/2010 20:22 | | 6 | 80 | | | 426.0 | 127 BBL CEMENT TO SURFACE |
| Slow Rate | 09/28/2010 20:42 | | 2 | 197 | | | 670.0 | 10 BBLs PRIOR TO CALCULATED DISPLACEMENT |
| Bump Plug | 09/28/2010 20:45 | | 2 | 207.8 | | | 1000.0 | PLUG LANDED |

| Activity Description | Date/Time | Cht # | Rate bbl/ min | Volume bbl | | Pressure psig | | Comments |
|---|---------------------|----------|---------------------|---------------|-------|------------------|--------|---|
| | | | | Stage | Total | Tubing | Casing | |
| Check Floats | 09/28/2010 21:00 | | | | | | | FLOATS HOLDING |
| Pump Water | 09/28/2010 21:16 | | 2 | 12 | | 450.0 | | 12 BBL SUGAR WATER PUMPED DOWN PARASITE, RETURNS NOTED AT 5 BBL AWAY WITH PRESSURE SPIKE AT 450 PSI |
| End Job | 09/28/2010 21:27 | | | | | | | THANK YOU FOR USING HES FROM MARK PHILLIPS, TODD DUBON AND CREW |
| Post-Job Safety Meeting (Pre Rig-Down) | 09/28/2010 23:00 | | | | | | | ALL HES EMPLOYEES |
| Rig-Down Equipment | 09/28/2010 23:30 | | | | | | | |

OXY PETROLEUM

CASCADE CREEK 697-10-50B SURFACE



| Local Event Log | | | | | | | | |
|-----------------|--------------------|---------|----|--------------------|---------|----|-------------------------|---------|
| 1 | START JOB | 1739:30 | 2 | FILL LINES | 1743:23 | 3 | TEST LINES | 1745:28 |
| 4 | H2O SPACER | 1748:13 | 5 | SUPERFLUSH | 1751:12 | 6 | H2O SPACER | 1756:28 |
| 7 | LEAD CEMENT | 1759:26 | 8 | TAIL CEMENT | 1946:01 | 9 | SHUT DOWN/DROP PLUG | 1959:45 |
| 10 | START DISPLACEMENT | 2005:57 | 11 | SLOW RATE | 2042:10 | 12 | BUMP PLUG | 2045:51 |
| 13 | CHECK FLOATS | 2100:41 | 14 | PUMP DOWN PARASITE | 2116:32 | 15 | PRESSURE UP GREASE PLUG | 2119:23 |
| 16 | END JOB | 2127:31 | | | | | | |

| | | |
|------------------------------|-------------------------------|------------------------|
| Customer: OXY | Job Date: 28-Sep-2010 | Sales Order #: 7658807 |
| Well Description: 697-10-50B | Job Type: SURFACE | ADC Used: YES |
| Company Rep: PAT DILLON | Cement Supervisor: TODD DUBON | Elite #: 1 CHRIS KUKAS |

OptiCem v6.4.5
28-Sep-10 22:08