
OXY GRAND JUNCTION EBUSINESS

CC 697-08-14
Piceance Creek
Garfield County , Colorado

Cement Surface Casing
17-Mar-2011

Post Job Report

The Road to Excellence Starts with Safety

| | | | |
|---|---------------------------|---|--------------------------------|
| Sold To #: 344034 | Ship To #: 2843337 | Quote #: | Sales Order #: 7840406 |
| Customer: OXY GRAND JUNCTION EBUSINESS | | Customer Rep: Benevides, Victor | |
| Well Name: CC | | Well #: 697-08-14 | API/UWI #: 05-045-18130 |
| Field: Piceance Creek | City (SAP): Debque | County/Parish: Garfield | State: Colorado |
| Lat: N 39.542 deg. OR N 39 deg. 32 min. 30.988 secs. | | Long: W 108.238 deg. OR W -109 deg. 45 min. 42.466 secs. | |
| Contractor: H&P 353 | | Rig/Platform Name/Num: H&P353 | |
| Job Purpose: Cement Surface Casing | | | |
| Well Type: Development Well | | Job Type: Cement Surface Casing | |
| Sales Person: DUNNING, DUSTIN | | Srvc Supervisor: ANDREWS, ANTHONY | MBU ID Emp #: 321604 |

Job Personnel

| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
|--------------------------|---------|--------|------------------------|---------|--------|--------------------------|---------|--------|
| ANDREWS, ANTHONY Michael | | 321604 | CHASTAIN, DERICK Allan | | 455848 | SILVERTHORN, AARON Jacob | | 491305 |
| WYCKOFF, RYAN Scott | | 476117 | | | | | | |

Equipment

| HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| | | | | | | | |

Job Hours

| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|--------------|-------------------|---|---------|-------------------|-----------------|------|-------------------|-----------------|
| 3/17/11 | 21 | 9 | 3/18/11 | 2 | 1 | | | |
| TOTAL | | <i>Total is the sum of each column separately</i> | | | | | | |

Job

Job Times

| Formation Name | Top | Bottom | Called Out | Date | Time | Time Zone |
|-------------------------------|-------------|--------------------------|--------------------|----------------------|-----------------|-----------|
| Formation Depth (MD) | | | On Location | 17 - Mar - 2011 | 03:00 | MST |
| Form Type | | BHST | Job Started | 17 - Mar - 2011 | 09:18 | MST |
| Job depth MD | 2690. ft | Job Depth TVD | 2690. ft | Job Completed | 17 - Mar - 2011 | 21:54 |
| Water Depth | | Wk Ht Above Floor | 4. ft | Departed Loc | 18 - Mar - 2011 | 02:00 |
| Perforation Depth (MD) | <i>From</i> | <i>To</i> | | | | |

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 | | | | 14.75 | | | | . | 2700. | . | 2700. |
| Surface Casing | Unknown | | 9.625 | 8.921 | 36. | | J-55 | . | 2690. | . | 2690. |

Sales/Rental/3rd Party (HES)

| Description | Qty | Qty uom | Depth | Supplier |
|--|-----|---------|-------|----------|
| PLUG,CMTG, TOP, 9 5/8, HWE, 8.16 MIN/9.06 MA | 1 | EA | | |
| R/A DENSOMETER W/CHART RECORDER, /JOB, 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 | | | |
| 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 | | | | | | | | | |
|--|--------------|-------------------------------|--------|-----------------------------------|------------------------|---------------------------|------------------|--------------|------------------------|
| 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 | | 10 | Bbl | 8.33 | .0 | .0 | .0 | |
| 2 | Gel Water | | 20 | Bbl | 8.5 | .0 | .0 | .0 | |
| 0.25 gal/bbl | | LGC-36 UC, BULK (101582749) | | | | | | | |
| 3 | Water Spacer | | 10 | bbl | . | .0 | .0 | .0 | |
| 4 | Lead Cement | VERSACEM (TM) SYSTEM (452010) | 1029 | sacks | 12.3 | 2.33 | 12.62 | | 12.62 |
| 12.62 Gal | | FRESH WATER | | | | | | | |
| 5 | Tail Cement | VERSACEM (TM) SYSTEM (452010) | 180 | sacks | 12.8 | 2.07 | 10.67 | | 10.67 |
| 10.67 Gal | | FRESH WATER | | | | | | | |
| 6 | Displacement | | 204.4 | bbl | . | .0 | .0 | .0 | |
| Calculated Values | | Pressures | | | Volumes | | | | |
| Displacement | 204.4 | Shut In: Instant | | Lost Returns | Y | Cement Slurry | 495.4 | Pad | |
| Top Of Cement | SURFACE | 5 Min | | Cement Returns | 10 | Actual Displacement | 204.4 | Treatment | |
| Frac Gradient | | 15 Min | | Spacers | 40 | Load and Breakdown | | Total Job | 739.8 |
| Rates | | | | | | | | | |
| Circulating | RIG | Mixing | 6 | Displacement | 6-2 | Avg. Job | 6 | | |
| Cement Left In Pipe | Amount | 46 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

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|---|---------------------------|---|--------------------------------|
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| Field: Piceance Creek | City (SAP): Debque | County/Parish: Garfield | State: Colorado |
| Legal Description: | | | |
| Lat: N 39.542 deg. OR N 39 deg. 32 min. 30.988 secs. | | Long: W 108.238 deg. OR W -109 deg. 45 min. 42.466 secs. | |
| Contractor: H&P 353 | | Rig/Platform Name/Num: H&P353 | |
| Job Purpose: Cement Surface Casing | | | Ticket Amount: |
| Well Type: Development Well | | Job Type: Cement Surface Casing | |
| Sales Person: DUNNING, DUSTIN | | Srvc Supervisor: ANDREWS, ANTHONY | MBU ID Emp #: 321604 |

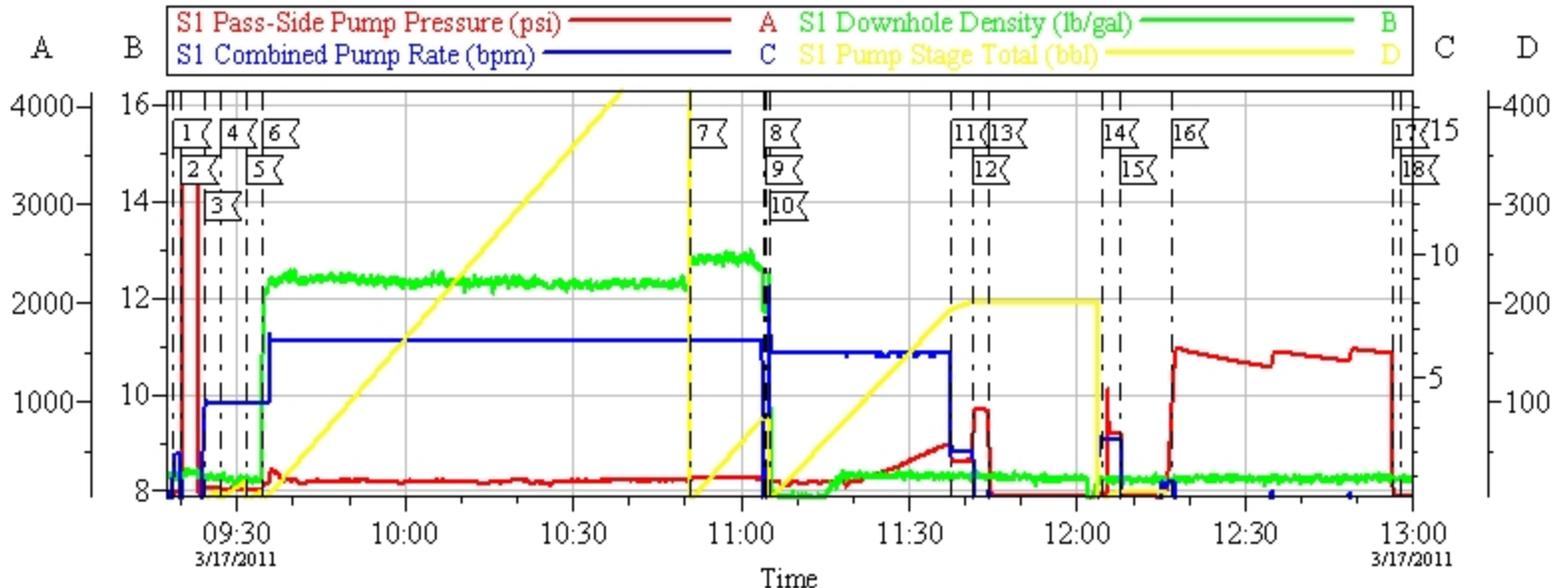
| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|---------------------------------------|------------------|-------|--------------|------------|-------|---------------|--------|---|
| | | | | Stage | Total | Tubing | Casing | |
| Call Out | 03/16/2011 20:30 | | | | | | | |
| Pre-Convoy Safety Meeting | 03/16/2011 22:45 | | | | | | | |
| Crew Leave Yard | 03/16/2011 23:00 | | | | | | | |
| Arrive At Loc | 03/17/2011 03:00 | | | | | | | |
| Assessment Of Location Safety Meeting | 03/17/2011 03:05 | | | | | | | |
| Other | 03/17/2011 07:00 | | | | | | | SPOT EQUIPMENT |
| Pre-Rig Up Safety Meeting | 03/17/2011 07:05 | | | | | | | |
| Rig-Up Equipment | 03/17/2011 07:10 | | | | | | | |
| Pre-Job Safety Meeting | 03/17/2011 08:50 | | | | | | | |
| Start Job | 03/17/2011 09:18 | | | | | | | TD: 2720 TP: 2690 SJ: 46' MW: 9.3PPG W/ AIR 9 5/8" 36#/FT CSG IN 14 3/4" OH |
| Test Lines | 03/17/2011 09:20 | | | | | | | 2500 PSI TEST |
| Pump Spacer | 03/17/2011 09:23 | | 6 | 10 | | | 91.0 | FRESH H2O SPACER 1 |
| Pump Spacer | 03/17/2011 09:26 | | 6 | 20 | | | 130.0 | LGC GEL SPACER |
| Pump Spacer | 03/17/2011 09:31 | | 6 | 10 | | | 112.0 | FRESH H2O SPACER |
| Pump Lead Cement | 03/17/2011 09:34 | | 6 | 429 | | | 122.0 | 1029 SKS @ 12.3 PPG 2.33 YLD 12.62 GAL/SK W/ TUFF FIBER |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|-------------------------|---------------------|-------|--------------|------------|-------|---------------|------------|--|
| | | | | Stage | Total | Tubing | Casing | |
| Pump Tail Cement | 03/17/2011 10:51 | | 6 | 66.4 | | | 228.0 | 180 SKS @ 12.8 SKS 2.07 YLD 10.67 GAL/SK |
| Shutdown | 03/17/2011 11:03 | | | | | | | |
| Drop Plug | 03/17/2011 11:04 | | | | | | | |
| Pump Displacement | 03/17/2011 11:04 | | 6 | | 204.4 | | 244.0 | FRESH H2O DISPLACEMENT |
| Slow Rate | 03/17/2011 11:37 | | 2 | 194 | | | 406.0 | |
| Bump Plug | 03/17/2011 11:41 | | 2 | 204.4 | | | 919.0 | PLUG BUMPED AT CALCULATED DISPLACEMENT |
| Check Floats | 03/17/2011 11:44 | | | | | | | FLOATS HELD. |
| Other | 03/17/2011 12:04 | | 2.5 | 10 | | | 715.0 | PUMP 10 BBLS SUGAR WATER DOWN PARASITE STRING |
| Shutdown | 03/17/2011 12:08 | | | | | | | |
| Pressure Test | 03/17/2011 12:17 | | | | | | 1529. 0 | CUSTOMER REQUESTED 30 MIN CASING PRESSURE TEST @ 1500 PSI |
| Release Casing Pressure | 03/17/2011 12:56 | | | | | | | CASING PRESSURE TEST SUCCESSFUL. |
| Start Job | 03/17/2011 16:12 | | | | | | | TOP OUT NUMBER 1. CUSTOMER REQUESTED 50 BBLS OF CEMENT/ TOPOUT. |
| Pump Water | 03/17/2011 16:13 | | 1 | 0.5 | | | 58.0 | .5 FRESH H2O AHEAD |
| Pump Cement | 03/17/2011 16:15 | | 1.5 | 50 | | | 63.0 | 140 SKS @ 12.5 PPG 1.97 YLD |
| Pump Water | 03/17/2011 16:48 | | 1.5 | 0.5 | | | 42.0 | .5 BBL WATER BEHIND |
| Shutdown | 03/17/2011 16:50 | | | | | | | END OF TOPOUT NUMBER 1 |
| Stage Cement | 03/17/2011 17:00 | | | | | | | STAGE CEMENT 1 HOUR |
| Start Job | 03/17/2011 18:14 | | | | | | | TOPOUT NUMMBER 2 |
| Pump Water | 03/17/2011 18:15 | | 1 | 0.5 | | | 61.0 | .5 BBL WATER AHEAD |
| Pump Cement | 03/17/2011 18:17 | | 1.5 | 51 | | | 63.0 | 140 SKS @ 12.5 PPG 1.97 YLD |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|--|---------------------|-------|--------------|------------|-------|---------------|--------|--|
| | | | | Stage | Total | Tubing | Casing | |
| Pump Water | 03/17/2011 18:49 | | 1 | 0.5 | | 54.0 | | .5 BBL WATER BEHIND |
| Shutdown | 03/17/2011 18:50 | | | | | | | END OF TOPOUT 2 |
| Stage Cement | 03/17/2011 19:00 | | | | | | | STAGE CEMENT 1 HOURS |
| Start Job | 03/17/2011 21:15 | | | | | | | TOPOUT NUMBER 3 |
| Pump Water | 03/17/2011 21:16 | | 1 | | | 57.0 | | HALF BBL FRESH WATER AHEAD TO FILL LINES AND VERIFY FLOW THROUGH IRON. |
| Pump Cement | 03/17/2011 21:17 | | 2 | | | 55.0 | | 185 SKS @ 12.5 PPG 1.97 YLD |
| Pump Water | 03/17/2011 21:53 | | 1 | | | 58.0 | | HALF BBLS FRESH H2O BEHIND TO CLEAR LINES |
| Shutdown | 03/17/2011 21:54 | | | | | | | CIRCULATED CEMENT TO SURFACE, 10 BBLS. PUMPED 65 BBLS TOPOUT CEMENT, APPROX 185 SKS OUT OF UNIT #10867304. UNIT # 10867304 SHOULD STILL HAVE +/- 165 SKS LEFT IN TIER. |
| End Job | 03/17/2011 21:54 | | | | | | | |
| Post-Job Safety Meeting (Pre Rig-Down) | 03/17/2011 22:50 | | | | | | | NO CIRCULATION THROUGHOUT JOB. PIPE WAS LEFT STATIC THROUGHOUT JOB. FLOATS HELD. PLUG BUMPED AT CALCULATED DISPLACEMENT. USED 7 BOXES TUFF FIBER. |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|---------------------------|---------------------|-------|--------------|------------|-------|---------------|--------|---|
| | | | | Stage | Total | Tubing | Casing | |
| Rig-Down Equipment | 03/17/2011 23:00 | | | | | | | USED 50 LBS SUGAR. 9 ADD HOURS CHARGED. THERE WERE FOUR TOW CHARGES FOR PRELOAD OF JOB WITH 5.5 HRS OF TRAVEL TIME. THERE WAS 1 TOW CHARGE FOR TRAVEL FOR ACTUAL JOB. 2 HRS TRAVEL TIME FROM BOTTOM GUARD SHACK TO LOC. |
| Pre-Convoy Safety Meeting | 03/18/2011 01:50 | | | | | | | |
| Crew Leave Location | 03/18/2011 02:00 | | | | | | | THANK YOU FOR CHOOSING HALLIBURTON CEMENTING OF GRAND JUNCTION, COLORADO ANTHONY ANDREWS AND CREW |

HP 353 - OXY
9 5/8" SURFACE



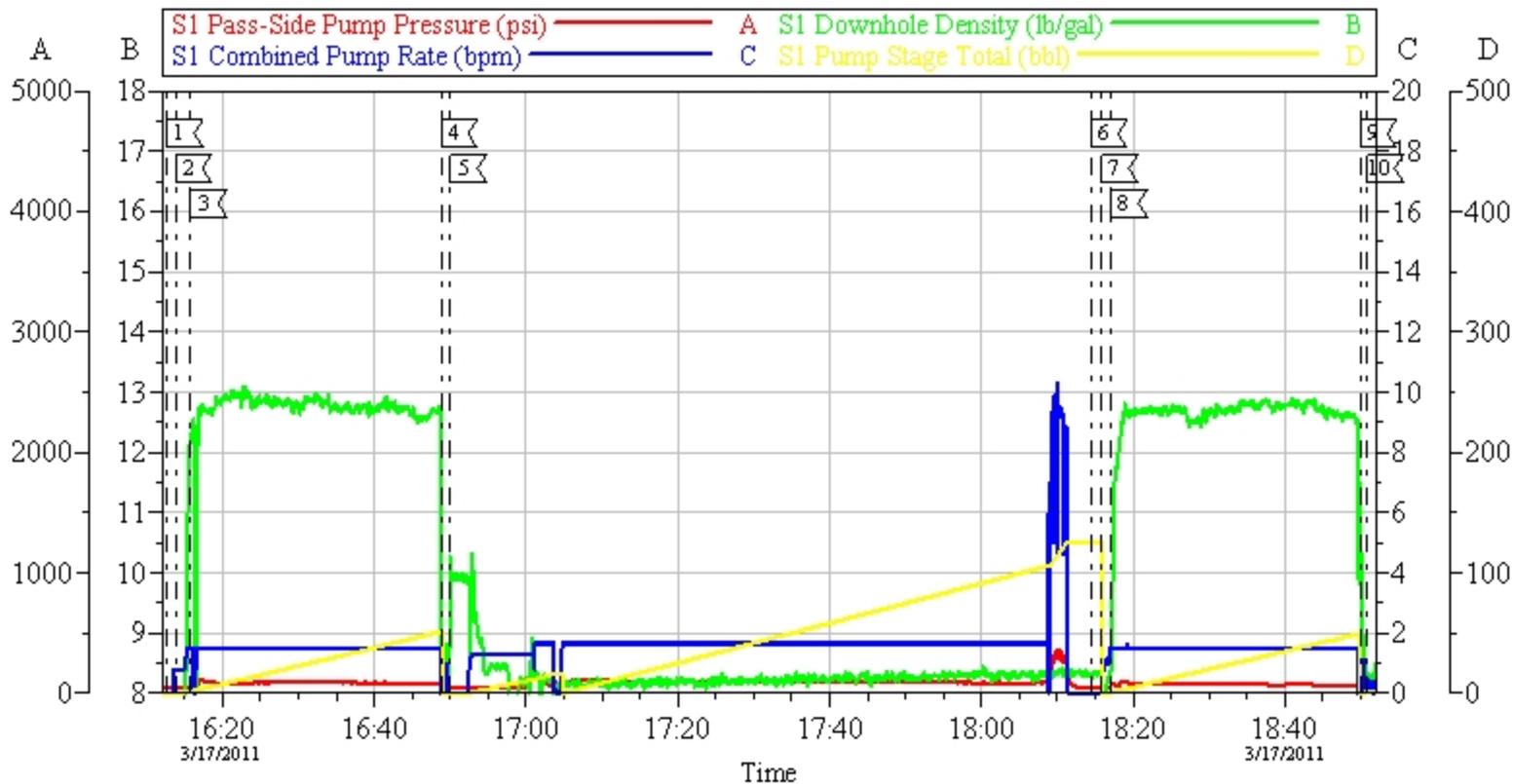
| Local Event Log | | | |
|-----------------|--------------------|--------------|-------|
| Intersection | | Intersection | SPPP |
| 1 | START JOB | 09:18:41 | 67.00 |
| 2 | TEST LINES | 09:19:59 | 79.65 |
| 3 | PUMP H2O SPACER 1 | 09:24:07 | 119.5 |
| 4 | PUMP LGC SPACER | 09:26:55 | 126.0 |
| 5 | PUMP H2O SPACER 2 | 09:31:30 | 112.0 |
| 6 | PUMP LEAD CEMENT | 09:34:33 | 140.8 |
| 7 | PUMP TAIL CEMENT | 10:50:52 | 225.0 |
| 8 | SHUT DOWN | 11:03:55 | 108.4 |
| 9 | DROP PLUG | 11:04:19 | 71.99 |
| 10 | PUMP DISPLACEMENT | 11:05:13 | 248.6 |
| 11 | SLOW RATE | 11:37:37 | 414.9 |
| 12 | BUMP PLUG | 11:41:19 | 580.1 |
| 13 | CHECK FLOATS | 11:44:20 | 191.1 |
| 14 | PUMP DOWN PARASITE | 12:04:20 | 83.00 |
| 15 | SHUT DOWN | 12:07:37 | 685.4 |
| 16 | TEST CASING | 12:16:44 | 824.3 |
| 17 | RELEASE PRESSURE | 12:56:18 | 164.1 |
| 18 | END JOB | 12:57:49 | 50.00 |

Customer: OXY
Well #: CC 697-08-14
Customer Rep: ALEX VILLEGAS

Job Date: 17-Mar-2011
Job Type: SURFACE
Pump Truck: ELITE 8/ RYAN WYCKOFF

Sales Order #: 7840406
ADC Used: YES
Supervisor: ANTHONY ANDREWS

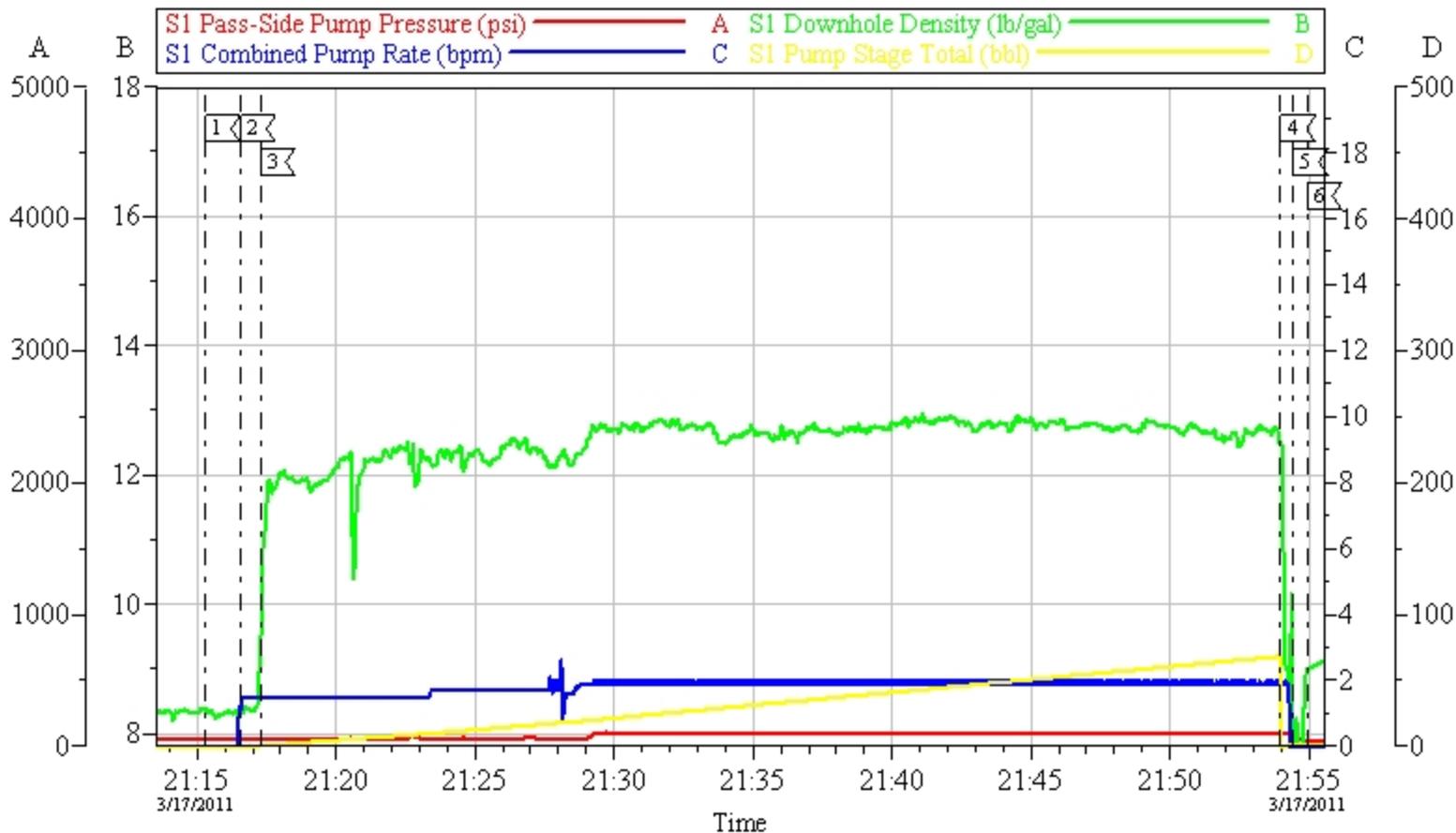
HP 353 - OXY
TOPOUT 1 AND 2



| Local Event Log | | | | | |
|------------------|----------------|---------------|----------------|------------------|----------------|
| Intersection | SPPP | Intersection | SPPP | Intersection | SPPP |
| 1 START TOPOUT 1 | 16:12:43 50.00 | 2 PUMP H2O | 16:13:49 50.00 | 3 PUMP CEMENT | 16:15:51 51.00 |
| 4 PUMP H2O | 16:48:48 70.87 | 5 SHUTDOWN | 16:50:04 48.00 | 6 START TOPOUT 2 | 18:14:27 49.00 |
| 7 PUMP H2O | 18:15:52 45.93 | 8 PUMP CEMENT | 18:17:06 65.85 | 9 PUMP H2O | 18:49:56 53.00 |
| 10 SHUTDOWN | 18:50:52 48.00 | | | | |

| | | |
|-----------------------------|-----------------------------------|-----------------------------|
| Customer: OXY | Job Date: 17-Mar-2011 | Sales Order #: 7840406 |
| Well #: CC 697-08-14 | Job Type: SURFACE/ TOPOUT | ADC Used: YES |
| Customer Rep: ALEX VILLEGAS | Pump Truck: ELITE 8/ RYAN WYCKOFF | Supervisor: ANTHONY ANDREWS |

HP 353 - OXY
TOPOUT 3



| Local Event Log | | | | | |
|------------------|----------------|--------------|----------------|---------------|----------------|
| Intersection | SPPP | Intersection | SPPP | Intersection | SPPP |
| 1 START TOPOUT 3 | 21:15:18 52.00 | 2 PUMP H2O | 21:16:34 52.00 | 3 PUMP CEMENT | 21:17:16 54.00 |
| 4 PUMP H2O | 21:53:59 96.00 | 5 SHUTDOWN | 21:54:26 66.80 | 6 END JOB | 21:54:55 48.00 |

| | | |
|---------------|-----------------------|------------------------|
| Customer: | Job Date: 17-Mar-2011 | Sales Order #: 7840406 |
| Well #: | Job Type: | ADC Used: |
| Customer Rep: | Pump Truck: | Supervisor: |