

**Windy Hill Water Operations, LLC**  
**P.O. Box 18283**  
**Denver, Colorado 80218**

Re: Windy Hill #3-17D  
SENE Sec 17-T3N-R55W  
Morgan County  
**API: 05-087-08145**

**Summary of Casing and Cementing Operations**

Open Hole Logging: August 12, 2007  
Run Long String: August 14, 2007  
Cement Long String: August 14, 2007

**3-17D Cementing Description (excerpt from Aquifer Exemption Report)**

The injection well construction is shown in Figure 2. Surface casing of 13-3/8-inch diameter J-55 steel pipe was installed to a depth of 483 feet in a borehole 17.5 inches in diameter. According to the cementing report by Halliburton (2007), the annulus was cemented from the surface to 483 feet with 350 sacks of cement yielding 529.5 cubic feet, completely filling the annular space of 335.5 cubic feet.

The well was drilled with a bit 12.5 inches in diameter and cased with 8-5/8-inch J-55 steel casing to a total depth of 5,431 feet, plugged back with cement to a depth of 5,385 feet, and perforated with 680 holes in the J Sandstone between the depths of 5,130 feet and 5,300 feet.

The 8-5/8-inch casing was cemented from the total depth to the surface with 3,130 sacks of cement/pozzolon mixture that yielded 7,259 cubic feet of grout to fill the annular space of 2,278 cubic feet; cement returns at the surface were reported. Based on the annular volume of 2,278 ft<sup>3</sup> and the 7,259 FT<sup>3</sup> of cement pumped, a total of 320% of the annular space was filled.

Tubing of 5-1/2-inch diameter J-55 steel is installed from the surface into a packer set at 5,050 feet. Down-hole pressure measurements in the well indicate that the static water level in the well is approximately 2,600 feet bgs. Injection tests indicate that the well is capable of accepting injectate at a rate of approximately 30,500 bpd without the application of additional pressure at the land surface.

A mechanical integrity test (MIT) performed in April 2015 indicated that the well casing maintained the 350 pounds per square inch (psi) test pressure for the test duration.

**Attachments:**

Figure 1 - Daily Drilling Report  
Figure 2 - Halliburton - Cementing Job Summary (08-15-07)  
Figure 3 - Cement Volume Calculations

NGS

Windy Hill

NGS

SWD 3-17 D

## Drilling Activity Report

Version 1

Figure 1

|                            |             |   |                |                       |            |  |          |  |        |
|----------------------------|-------------|---|----------------|-----------------------|------------|--|----------|--|--------|
| Measured Depth: #####      |             | TVD: #####  |                | PBD: #####            |            | Proposed MD: 5,500'                            |          | Proposed TVD: # #####                            |        |
| DOL: 25                    |             | DFS: 17   |                | Spud Date: 28-Jul-07  |            | Daily Footage: 0'                              |          | Daily Rot Hrs: 0                                 |        |
| Torque: 135.5              |             | Total Rot Hrs: 135.5  |                | Wind: 0               |            | Seas: 0  |          | Bar: 16  |        |
| Last Casing Size: 8 5/8    |             | Set At: 5,431'  |                | TVD: #####            |            | Shoe Test: <input checked="" type="checkbox"/> |          | Leakoff? Y N <input checked="" type="checkbox"/> |        |
| Cum Rot Hrs on Casing: 0.0 |             | Cum Rot Hrs on Casing Since Last Caliper: 0.0   |                | Depth Worst Wear: 0.0 |            | % Remaining: 0.0                               |          |  |        |
| Liner Size: 8 5/8          |             | Set At: 5,431'  |                | TVD: #####            |            | Liner Top At: 5,431'                           |          | MD: 5,431'                                       |        |
| Mud Co: WESTERN            |             | Type: FRESH WATER   |                | Sample From: Pits     |            | Wt: 10.0                                       |          | FV: 51   |        |
| WL API: HTHP:              |             | FC(1/32) API/HTHP:  |                | Solids                |            | % Oil:   |          | % Water  |        |
| Pm: 12                     |             | P/Mt: 12  |                | Cl: 12                |            | Ca/Ma: 12                                      |          | Bent: 12   |        |
| Engr Service: YES          |             | Materials added last 24 hrs:  |                |                       |            |  |          |  |        |
| Drig Gas:                  |             | Max Gas:  |                | Conn. Gas:            |            | Trip Gas:                                      |          | Trip Cl:   |        |
| Remarks:                   |             |   |                |                       |            |  |          |  |        |
| Bit No.                    | IADC        | Size  | Manufacturer   | Serial Number         | Type       | Jets   | TFA      | MD In  | MD Out |
| 3                          |             | 12 1/4  | Smith          | Unknown               | Mill tooth | 20 20 20 20                                    | 1.227    | 5,433'   | 5,433' |
| Feet                       | Hours       | WOB   | RPM            | I-Row                 | O-Row      | DC   | Loc      | B  | G      |
| 0'                         | 20.50       | 2-10  | 40             |                       |            |  |          |  |        |
| Total Length of BHA: 362'  |             | BHA Description: 12 1/4" Bit, Bit Sub, 3 x 8" D.C., X-Over, 9 x 6 1/4" D.C., X-Over   |                |                       |            |  |          |  |        |
| Bit Cost                   | Row 1       | Row 2   | Rig            | Trip                  | DC Size    | DP Size  | Hours On | Hrs Since Last                                   |        |
| 6,500                      | 6,500       | 6,500   | \$688          | 688                   | 8          | 5  | 148      | 154  |        |
| Bit                        | Liner       | Stroke  | BBL/STK        | SPM                   | Pressure   | GPM  | Jet Vel  | DP AV  | DC AV  |
| 3                          | 6"          | 12"   | 0.100          | 180                   | 2,300      | 756  | 197      | 148  | 215    |
|                            | 6"          | 12"   | 0.100          |                       |            |  |          |  |        |
| Survey MD                  | Angle       | Direction   | N/S Coordinate | Survey MD             | Angle      | DLS  |          |  |        |
|                            |             |   |                |                       |            |  |          |  |        |
|                            |             |   |                |                       |            |  |          |  |        |
|                            |             |   |                |                       |            |  |          |  |        |
| Hrs.                       | (From-To)   | Operations Covering 24 Hours Ending at 06:00  |                |                       |            |  |          |  |        |
| 10:00                      | 6:00 16:00  | RUN 8 5/8, 32#, BTC CASING, TESTING EACH CONNECTION 1500PSI FOR 1 MINUTE  |                |                       |            |  |          |  |        |
| 2:00                       | 16:00 18:00 | WAIT ON CEMENTERS   |                |                       |            |  |          |  |        |
| 9:30                       | 18:00 3:30  | PUMP CEMENT WITH HALLIBURTON. LOST RETURNS FOR 35 BBL WHILE PUMPING PLUG, REGAINED  |                |                       |            |  |          |  |        |
|                            |             | CIRCULATION AT A REDUCED PUMP RATE AND BUMPED PLUG. 1000PSI OVER.   |                |                       |            |  |          |  |        |
| 1:00                       | 3:30 4:30   | RIG DOWN HALLIBURTON, CLEAN OUT STACK AND FLOWLINE  |                |                       |            |  |          |  |        |
| 1:30                       | 4:30 6:00   | PICK UP STACK, SET CASING SLIPS, AND CUT OFF CONDUCTOR.   |                |                       |            |  |          |  |        |
| 24 hr Summary:             |             | RUN CASING TO 5421', WAIT ON CEMENTERS, PUMP CEMENT W/HALLIBURTON, CLEAN OUT STACK, PICK UP STACK, SET CASING SLIPES, AND CUT OFF CONDUCTOR |                |                       |            |  |          |  |        |
| Remarks:                   |             |   |                |                       |            |  |          |  |        |

## *Cementing Cover Sheet*

Figure 2

|                        |                            |
|------------------------|----------------------------|
| TO:                    | BAGNER, AUGUST             |
| FROM:                  | HUFF, KATRINA              |
| REQUESTED ON LOCATION: | 14-Aug-2007 12:00 MST      |
| CUSTOMER:              | WINDY HILL GAS STORAGE LLC |
| WELL NAME/NBR/LEASE:   | Disposal Well , 3-17d /    |

### TABLE OF CONTENTS:

Job Summary  
Job Log  
EJCS Survey Cementing

**MBU LEADER:** BE SURE THAT YOU HAVE RECEIVED EACH OF THE DOCUMENTS LISTED ABOVE. IF NOT, CONTACT CENTRAL DISPATCH IMMEDIATELY.

## The Road to Excellence Starts with Safety

|   |                            |                                      |                        |
|---|----------------------------|--------------------------------------|------------------------|
| Sold To #: 352578                       | Ship To #: 352578          | Quote #:                             | Sales Order #: 5297505 |
| Customer: WINDY HILL GAS STORAGE LLC    |                            | Customer Rep:                        |                        |
| Well Name: Disposal Well                | Well #: 3-17d              | API/UWI #:                           |                        |
| Field:                                  | City (SAP): WESTPORT       | County/Parish: Morgan                | State: Colorado        |
| Contractor: Unit Drilling               | Rig/Platform Name/Num: 134 |                                      |                        |
| Job Purpose: Cement Intermediate Casing |                            |                                      |                        |
| Well Type: Unknown Well Type            |                            | Job Type: Cement Intermediate Casing |                        |
| Sales Person: STATEN, LARRY             |                            | Srvc Supervisor: BAGNER, AUGUST      | MBU ID Emp #: 242142   |

## Job Personnel

| HES Emp Name          | Exp Hrs | Emp #  | HES Emp Name     | Exp Hrs | Emp #  | HES Emp Name     | Exp Hrs | Emp #  |
|-----------------------|---------|--------|------------------|---------|--------|------------------|---------|--------|
| BAGNER, AUGUST D      | 18.0    | 242142 | GAINES, ALBERT D | 12.0    | 376241 | HOLLINS, HENRY H | 12.0    | 410067 |
| ZACH, JOSHUA<br>James | 12.0    | 311112 |                  |         |        |                  |         |        |

## Equipment

| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10025065   | 70 mile        | 10547374   | 70 mile        | 10592962   | 70 mile        | 10623573C  | 70 mile        |
| 10624130   | 70 mile        | 10822009   | 70 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

## Job Times

| Formation Name | Formation Depth (MD) | Top | Bottom | Form Type | Job depth MD | Job Depth TVD | Water Depth | Perforation Depth (MD) | From | To |
|----------------|----------------------|-----|--------|-----------|--------------|---------------|-------------|------------------------|------|----|
|                |                      |     |        | BHST      | 5461. ft     | 5461. ft      |             |                        |      |    |
|                |                      |     |        | 150 degF  |              |               |             |                        |      |    |
|                |                      |     |        |           |              |               |             |                        |      |    |
|                |                      |     |        |           |              |               |             |                        |      |    |
|                |                      |     |        |           |              |               |             |                        |      |    |
|                |                      |     |        |           |              |               |             |                        |      |    |

## 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 |
|----------------------------|------------|-------------------|---------|--------|---------------|--------|-------|-----------|--------------|------------|---------------|
| 13 3/8" Surface Casing     | Used       |                   | 13.375  | 12.615 | 54.5          |        |       |           | 473.         |            |               |
| 8 5/8" Intermediate Casing | Used       |                   | 8.625   | 7.921  | 32.           |        |       |           | 5461.        |            |               |
| 12 1/4" Open Hole Section  |            |                   |         | 12.25  |               |        |       | 473.      | 5461.        |            |               |

## 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 <sup>3</sup> /sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |
| 1  | FRESH WATER SPACER |   | 30.00     | bbl                               | 8.33                   | .0                        | .0               | .0           |                        |
| 2  | MUD FLUSH          | MUD FLUSH - ZI - SBM (13383)                            | 60.00     | bbl                               | 8.4                    | .0                        | .0               | 3.0          |                        |
|  | 990 gal/Mgal       | FRESH WATER   |           |                                   |                        |                           |                  |              |                        |
|  | 0.5 gal/bbl        | MO-67, 55 GAL DRUM (100003693)                          |           |                                   |                        |                           |                  |              |                        |
| 3  | FRESH WATER SPACER |   | 30.00     | bbl                               | 8.33                   | .0                        | .0               | .0           |                        |
| 4  | 50/50 Poz Premium  | POZ PREMIUM 50/50 - SBM (12302)                         | 2295.0    | sacks                             | 11.1                   | 2.73                      | 16.26            | 3.0          | 16.26                  |
|  | 3 lbm              | SILICALITE - COMPACTED, 50 LB SK (100012223)            |           |                                   |                        |                           |                  |              |                        |
|  | 3 %                | MICROBOND HT, 50 LB SK (100003723)                      |           |                                   |                        |                           |                  |              |                        |
|  | 1 lbm              | ECONOLITE (100001580)                                   |           |                                   |                        |                           |                  |              |                        |
|  | 0.5 lbm            | KWIK SEAL, SK (100064010)                               |           |                                   |                        |                           |                  |              |                        |
|  | 16.814 Gal         | FRESH WATER   |           |                                   |                        |                           |                  |              |                        |
| 5  | Premium Cement     | CMT - PREMIUM - CLASS G, 94 LB SK (100003685)           | 835.0     | sacks                             | 15.8                   | 1.19                      | 4.79             | 3.0          | 4.79                   |
|  | 94 lbm             | CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685) |           |                                   |                        |                           |                  |              |                        |
|  | 0.2 %              | HR-5, 50 LB SK (100005050)                              |           |                                   |                        |                           |                  |              |                        |
|  | 0.2 %              | HALAD(R)-344, 50 LB (100003670)                         |           |                                   |                        |                           |                  |              |                        |
|  | 0.5 lbm            | KWIK SEAL, SK (100064010)                               |           |                                   |                        |                           |                  |              |                        |
|  | 3 %                | MICROBOND HT, 50 LB SK (100003723)                      |           |                                   |                        |                           |                  |              |                        |
|  | 0.1 %              | CFR-3, W/O DEFOAMER, 50 LB SK (100003653)               |           |                                   |                        |                           |                  |              |                        |
|  | 5.113 Gal          | FRESH WATER   |           |                                   |                        |                           |                  |              |                        |
| 6  | Water Displacement |   | 10.00     | bbl                               | 8.33                   | .0                        | .0               | 3.0          |                        |
| 7  | WBM                |   | 300.00    | bbl                               | 10.1                   | .0                        | .0               | 6.0          |                        |
| 8  | Water Displacement |   | 19.00     | bbl                               | 8.33                   | .0                        | .0               | 4.0          |                        |
| Calculated Values                        |                    |   | Pressures |                                   |                        | Volumes                   |                  |              |                        |
| Displacement                             |                    | Shut In: Instant  |           | Lost Returns                      |                        | Cement Slurry             |                  | Pad          |                        |
| Top Of Cement                            |                    | 5 Min   |           | Cement Returns                    |                        | Actual Displacement       |                  | Treatment    |                        |
| Frac Gradient                            |                    | 15 Min  |           | Spacers                           |                        | Load and Breakdown        |                  | Total Job    |                        |
| Rates                                    |                    |   |           |                                   |                        |                           |                  |              |                        |
| Circulating                              |                    | Mixing  |           | Displacement                      |                        | Avg. Job                  |                  |              |                        |
| Cement Left In Pipe                      | Amount             | 48.5 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*

|   |                      |                                      |                        |
|---|----------------------|--------------------------------------|------------------------|
| Sold To #: 352578                       | Ship To #: 352578    | Quote #:                             | Sales Order #: 5297505 |
| Customer: WINDY HILL GAS STORAGE LLC    |                      | Customer Rep:                        |                        |
| Well Name: Disposal Well                | Well #: 3-17d        | API/UWI #:                           |                        |
| Field:                                  | City (SAP): WESTPORT | County/Parish: Morgan                | State: Colorado        |
| Legal Description:                      |                      |                                      |                        |
| Lat:                                    |                      | Long:                                |                        |
| Contractor: Unit Drilling               |                      | Rig/Platform Name/Num: 134           |                        |
| Job Purpose: Cement Intermediate Casing |                      |                                      | Ticket Amount:         |
| Well Type: Unknown Well Type            |                      | Job Type: Cement Intermediate Casing |                        |
| Sales Person: STATEN, LARRY             |                      | Srv Supervisor: BAGNER, AUGUST       | MBU ID Emp #: 242142   |

| Activity Description                  | Date/Time        | Cht # | Rate bbl/min | Volume bbl |       | Pressure psig |        | Comments  |
|---------------------------------------|------------------|-------|--------------|------------|-------|---------------|--------|---|
|                                       |                  |       |              | Stage      | Total | Tubing        | Casing |   |
| Depart Yard Safety Meeting            | 08/14/2007 04:30 |       |              |            |       |               |        |   |
| Crew Leave Yard                       | 08/14/2007 04:45 |       |              |            |       |               |        |   |
| Arrive At Loc                         | 08/14/2007 12:00 |       |              |            |       |               |        |   |
| Assessment Of Location Safety Meeting | 08/14/2007 12:15 |       |              |            |       |               |        |   |
| Pre-Rig Up Safety Meeting             | 08/14/2007 14:00 |       |              |            |       |               |        |   |
| Rig-Up Equipment                      | 08/14/2007 14:30 |       |              |            |       |               |        |   |
| Other                                 | 08/14/2007 15:00 |       |              |            |       |               |        | Off load Cement to Field Bins from Cobra Trucks |
| Casing on Bottom                      | 08/14/2007 18:00 |       |              |            |       |               |        |   |
| Safety Meeting                        | 08/14/2007 20:00 |       |              |            |       |               |        |   |
| Start Job                             | 08/14/2007 20:27 |       |              |            |       |               |        |   |
| Test Lines                            | 08/14/2007 20:44 |       |              |            |       |               | 3000.0 |   |
| Pump Water                            | 08/14/2007 20:47 |       | 3            | 30         |       |               |        |   |
| Pump Spacer                           | 08/14/2007 20:57 |       | 3            | 60         |       |               |        | Mud Flush                                       |
| Pump Water                            | 08/14/2007 21:17 |       | 3            | 30         |       |               |        |   |
| Pump Lead Cement                      | 08/14/2007 21:27 |       | 5            | 1116       |       |               |        | 11.6 ppg  |
| Spacer Returns to Surface             | 08/15/2007 00:50 |       |              | 1020       |       |               |        |   |
| Cement Returns to Surface             | 08/15/2007 01:13 |       |              | 1150       |       |               |        |   |

Sold To #: 352578

Ship To #: 352578

Quote #:

Sales Order #:

5297505

SUMMIT Version: 7.20.130

Wednesday, August 15, 2007 06:00:00



| Activity Description                                | Date/Time           | Cht<br># | Rate<br>bbl/<br>min | Volume<br>bbl |       | Pressure<br>psig |            | Comments             |
|---|---------------------|----------|---------------------|---------------|-------|------------------|------------|----------------------|
|   |                     |          |                     | Stage         | Total | Tubing           | Casing     |                      |
| Pump Tail Cement                                    | 08/15/2007<br>01:41 |          | 5                   | 174           |       |                  |            | 15.8 ppg             |
| Drop Top Plug                                       | 08/15/2007<br>02:15 |          |                     |               |       |                  |            |                      |
| Pump Displacement - Start                           | 08/15/2007<br>02:17 |          |                     |               |       |                  |            |                      |
| Pump Water  | 08/15/2007<br>02:17 |          | 5                   | 10            |       |                  |            |                      |
| Pump Displacement                                   | 08/15/2007<br>02:19 |          | 6                   | 300           |       |                  |            | 10.1 ppg mud         |
| Displ Reached Cmnt                                  | 08/15/2007<br>02:43 |          |                     |               |       |                  |            |                      |
| Other   | 08/15/2007<br>02:58 |          | 6                   | 235           |       |                  | 1400.<br>0 | Lost Returns         |
| Other   | 08/15/2007<br>03:00 |          | 1                   |               |       |                  |            | Slowed rate to 1 BPM |
| Other   | 08/15/2007<br>03:20 |          | 2.5                 | 272           |       |                  | 1200.<br>0 | Regained Returns     |
| Pump Water  | 08/15/2007<br>03:31 |          | 2.5                 | 19            |       |                  | 1200.<br>0 |                      |
| Bump Plug   | 08/15/2007<br>03:39 |          |                     |               |       |                  | 1180.<br>0 |                      |
| Pressure Up   | 08/15/2007<br>03:39 |          |                     |               |       |                  | 1700.<br>0 |                      |
| Check Floats  | 08/15/2007<br>03:41 |          |                     |               |       |                  |            |                      |
| End Job   | 08/15/2007<br>03:47 |          |                     |               |       |                  |            |                      |
| Safety Meeting - Pre Rig-Down                       | 08/15/2007<br>03:52 |          |                     |               |       |                  |            |                      |
| Rig-Down Equipment                                  | 08/15/2007<br>04:02 |          |                     |               |       |                  |            |                      |
| Safety Meeting - Departing<br>Location              | 08/15/2007<br>05:30 |          |                     |               |       |                  |            |                      |
| Depart Location for Service<br>Center or Other Site | 08/15/2007<br>06:00 |          |                     |               |       |                  |            |                      |

|   |   |   |
|---|---|---|
| <b>Sales Order #:</b> 5297505               | <b>Line Item:</b> 10                          | <b>Date:</b> 8/14/2007                            |
| <b>Customer:</b> WINDY HILL GAS STORAGE LLC |   | <b>Job Type (BOM):</b> Cement Intermediate Casing |
| <b>Customer Rep. / Phone :</b>              |   | <b>API (If no API; leave blank):</b>              |
| <b>H2S Present:</b> Unknown                 | <b>Well Type:</b> Unknown<br><b>Well Type</b> | <b>Well Name:</b> Disposal Well 3-17d             |

Dear Customer,

We hope that you were satisfied with the service quality of this job performed by Halliburton. It is the aim of our management and service personnel to deliver equipment and service of a standard unmatched in the service sector of the energy industry.

Please take the time to let us know if our performance met with your satisfaction. Please be as critical as possible to ensure we constantly improve our service. Your comments are of great value to us and are intended for the exclusive use of Halliburton.

| RATING  | DESCRIPTION   | OPPORTUNITY             |
|---|---|-------------------------|
| 5   | Superior Performance (Establish new quality/performance standards)      | Best Practice           |
| 4   | Exceeded Expectations (Provided more than what was required/expected)   | Potential Best Practice |
| 3   | Met Expectations (Did what was expected)                                | Prevention/Improvement  |
| 2   | Below Expectations (Did not do what was expected - *Recovery made)      | CPI Required            |
| 1   | Poor Performance (Job problems/failures occurred - Some *recovery made) | CPI Required            |
| * Recovery : resolved issue(s) on jobsite in a timely and professional manner |   |                         |

#### END OF JOB CUSTOMER SURVEY

| CATEGORY              | CUSTOMER SATISFACTION RATING (1-5)   |
|-----------------------|--|
| PERSONNEL             | Did our personnel perform to your satisfaction?  |
| EQUIPMENT             | Did our equipment perform to your satisfaction?  |
| JOB DESIGN            | Did we Perform the job to the agreed upon design?  |
| PRODUCT / MATERIAL    | Did our products and materials perform as you expected?                                      |
| HEALTH & SAFETY       | Did we perform in a safe and careful manner (Pre/post mtgs., PPE, JSA, etc.)?                |
| ENVIRONMENTAL         | Did we perform in an environmentally sound manner (Spills, leaks, cleanup, etc.)?            |
| TIMELINESS            | Was job performed as scheduled (On time to site, accessible to customer, completed on time)? |
| CONDITION/ APPEARANCE | Did the equipment condition and appearance meet your expectations?                           |
| COMMUNICATION         | How well did our personnel communicate during mobilization, rig-up and job execution?        |
| IMPROVEMENT           | What can we do to improve our service?   |
| COMMENT               |  |

Overall, I was satisfied with your job performance

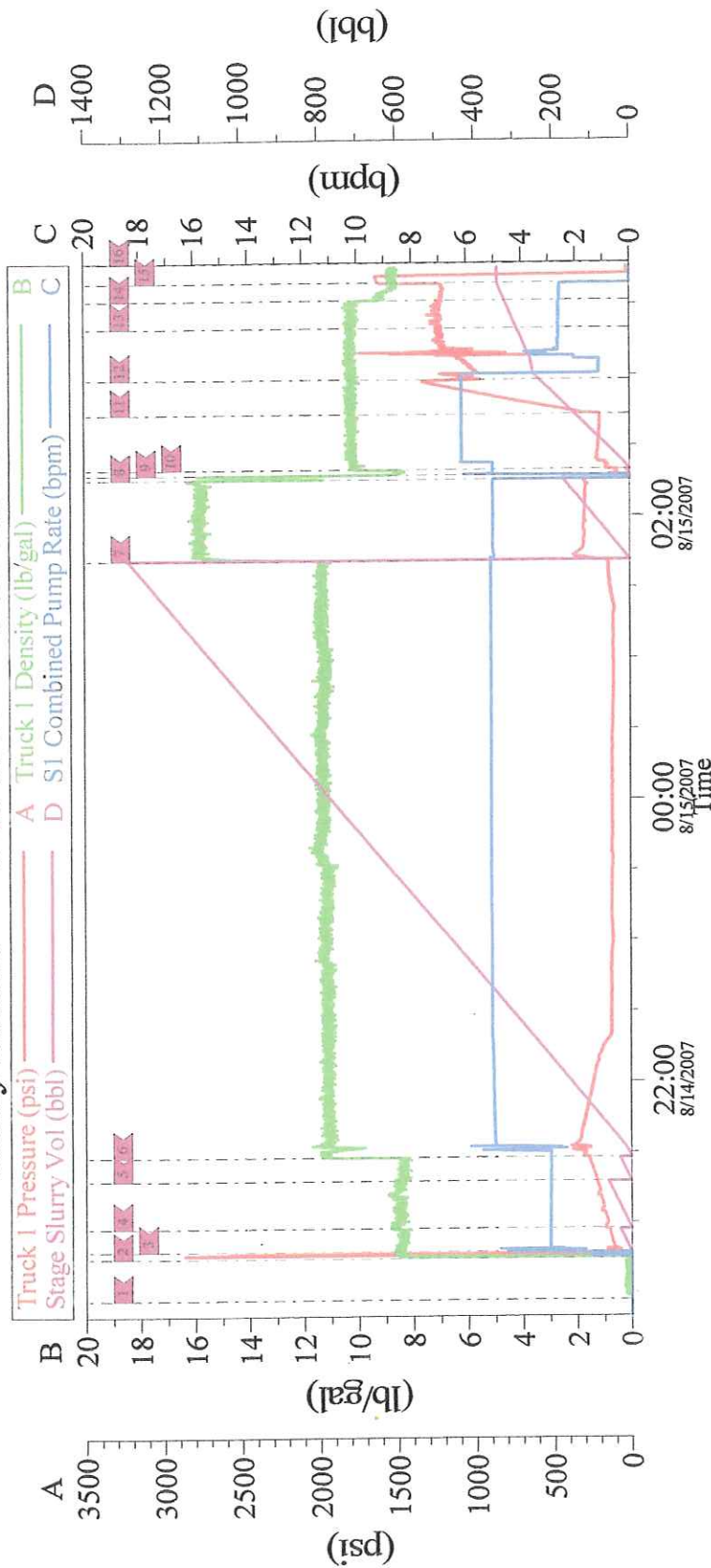
☐ Yes

☐ No

CUSTOMER SIGNATURE



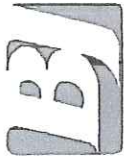
# Windy Hills 8-5/8" Intermediate 3-17D Henry Hollins 8-15-2007 SO# 5297505



| Local Event Log |                                       |                    |
|-----------------|---------------------------------------|--------------------|
| 1               | Start Job                             | 8/14/2007 20:27:00 |
| 2               | Start 30 bbls of water                | 8/14/2007 20:47:45 |
| 3               | Start 30 bbls water                   | 8/14/2007 21:17:38 |
| 4               | Start 174 bbls tail @ 15.8ppg         | 8/15/2007 01:41:23 |
| 5               | Start 10 bbls water                   | 8/15/2007 02:17:41 |
| 6               | Start lifting cement                  | 8/15/2007 02:43:23 |
| 7               | Regained returns                      | 8/15/2007 03:20:04 |
| 8               | Land Plug/Check Floats                | 8/15/2007 03:39:19 |
| 9               | Pressure test lines to 3000 psi       | 8/14/2007 20:44:46 |
| 10              | Start 60 bbls Mud Flush               | 8/14/2007 20:57:34 |
| 11              | Start 1116 bbls lead cement @ 11.1ppg | 8/14/2007 21:27:50 |
| 12              | Shutdown/Drop Plug                    | 8/15/2007 02:15:47 |
| 13              | Start 300 bbls Mud @ 10.1ppg          | 8/15/2007 02:19:57 |
| 14              | Lost returns                          | 8/15/2007 02:58:09 |
| 15              | Start 19 bbls of Water                | 8/15/2007 03:31:47 |
| 16              | End Job                               | 8/15/2007 03:47:37 |

FIELD RECEIPT NO. 225134184

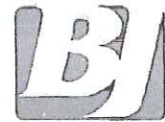
BJ Services Company



|   |  |  |   |  |                    |  |                  |  |  |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
|---|--|--|---|--|--------------------|--|------------------|--|--|--|----------------------|-----------------|------------------|--|---------------------------|--|--|---------------|--|--|------------|--|--|
| CUSTOMER (COMPANY NAME)<br>Windy Hill Gas Storage LLC     |  |  | CREDIT APPROVAL NO.<br>A22511002338   |  | PURCHASE ORDER NO. |  | CITY<br>Westport |  | CUSTOMER NUMBER<br>20095921 - 20095921 |  | STATE<br>Connecticut |                 | ZIP CODE<br>6880 |  | INVOICE NUMBER<br>1298575 |  |  |               |  |  |            |  |  |
| MAIL INVOICE TO<br>STREET OR BOX NUMBER<br>61 Wilton Road |  |  | WELL API NO:  |  |                    | WELL TYPE:<br>New Well   |                  |  |  |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
| DATE WORK MO. DAY YEAR<br>COMPLETED 07 30 2007            |  |  | BJ SERVICES SUPERVISOR<br>JOSHUA K GOFF   |  |                    | JOB DEPTH(ft)<br>485   |                  |  | WELL CLASS:<br>Other                   |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
| BJ SERVICES DISTRICT<br>Brighton                          |  |  |   |  |                    | TD WELL DEPTH(ft)<br>480   |                  |  | GAS USED ON JOB:<br>No Gas             |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
| WELL NAME AND NUMBER<br>SWD 3-17                          |  |  |   |  |                    | STATE<br>Colorado  |                  |  | JOB TYPE CODE:<br>Surface              |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
| WELL LOCATION:  |  |  | LEGAL DESCRIPTION   |  |                    | COUNTY/PARISH<br>Morgan  |                  |  |  |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
| PRODUCT CODE  |  |  | DESCRIPTION   |  |                    | UNIT OF MEASURE  |                  |  | QUANTITY                               |  |                      | LIST PRICE UNIT |                  |  | GROSS AMOUNT              |  |  | PERCENT DISC. |  |  | NET AMOUNT |  |  |
| 100021  |  |  | Class G Cement  |  |                    | sacks  |                  |  | 150                                    |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
| 100112  |  |  | Calcium Chloride  |  |                    | lbs  |                  |  | 804                                    |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
| 100120  |  |  | Bentonite   |  |                    | lbs  |                  |  | 1044                                   |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
| 100295  |  |  | Cello Flake   |  |                    | lbs  |                  |  | 88                                     |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
| 398224  |  |  | Premium Lite Cement   |  |                    | sacks  |                  |  | 200                                    |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
| A152  |  |  | Personnel Surcharge - Cement Svc  |  |                    | ea   |                  |  | 1                                      |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
| M100  |  |  | Bulk Materials Service Charge   |  |                    | cu ft  |                  |  | 589                                    |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
| F003A   |  |  | Cement Pump Casing, 0 - 1000 ft   |  |                    | 4hrs   |                  |  | 1                                      |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
| J225  |  |  | Data Acquisition, Cement, Standard  |  |                    | job  |                  |  | 1                                      |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
| J390  |  |  | Mileage, Heavy Vehicle  |  |                    | miles  |                  |  | 152                                    |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
| J391N   |  |  | Mileage, Auto, Pick-Up or Treating Van  |  |                    | miles  |                  |  | 152                                    |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
| J401  |  |  | Bulk Delivery, Dry Products   |  |                    | ton-mi   |                  |  | 1985                                   |  |                      |                 |                  |  |                           |  |  |               |  |  | 14,000.00  |  |  |
|   |  |  | FIELD ESTIMATE  |  |                    |  |                  |  |  |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
| ARRIVE MO. DAY YEAR<br>LOCATION : 07 29 2007              |  |  | TIME<br>21:40   |  |                    | SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER. |                  |  |  |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
| CUSTOMER REP.<br>DAVID ST. ROMAIN                         |  |  | SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS  |  |                    |  |                  |  |  |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
|   |  |  | CUSTOMER AUTHORIZED AGENT   |  |                    |  |                  |  |  |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
|   |  |  | X   |  |                    |  |                  |  |  |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
|   |  |  | BJ SERVICES APPROVED  |  |                    |  |                  |  |  |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
|   |  |  | X   |  |                    |  |                  |  |  |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
|   |  |  | SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER. |  |                    |  |                  |  |  |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
|   |  |  | CUSTOMER AUTHORIZED AGENT   |  |                    |  |                  |  |  |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |
|   |  |  | X   |  |                    |  |                  |  |  |  |                      |                 |                  |  |                           |  |  |               |  |  |            |  |  |



# CEMENT JOB REPORT



|  |          |                                       |                  |   |                      |   |                        |
|--|----------|---------------------------------------|------------------|---|----------------------|---|------------------------|
| CUSTOMER Windy Hill Gas Storage LLC  |          | DATE 30-JUL-07                        | F.R. # 225134184 | SERV. SUPV. JOSHUA K GOFF   |                      |   |                        |
| LEASE & WELL NAME<br>SWD 3-17  |          | LOCATION                              |                  | COUNTY-PARISH-BLOCK<br>Morgan Colorado  |                      |   |                        |
| DISTRICT<br>Brighton   |          | DRILLING CONTRACTOR RIG #<br>UNIT 234 |                  | TYPE OF JOB<br>Surface  |                      |   |                        |
| SIZE & TYPE OF PLUGS   |          | LIST-CSG-HARDWARE                     |                  | PHYSICAL SLURRY PROPERTIES  |                      |   |                        |
| Cement Plug, Rubber, Top 8-5/8 in  |          | Float Shoe 13-3/8 - 8rd               |                  | SACKS<br>OF<br>CEMENT   | SLURRY<br>WGT<br>PPG | SLURRY<br>YLD<br>FT <sup>3</sup>                                  | WATER<br>GPS           |
|  |          | Float Collar, Auto Fill, 13-3/8 - 8rd |                  |   |                      |   |                        |
| MATERIALS FURNISHED BY BJ  |          |                                       |                  |   |                      |   |                        |
| Fresh Water  |          |                                       |                  |   | 8.4                  |   |                        |
| Class "G" + additives  |          |                                       |                  | 150   | 15.8                 | 1.17  | 5.00 02:30 31.14 17.84 |
| Fresh Water  |          |                                       |                  |   | 8.4                  |   | 68.6                   |
| Premium Lite Cement  |          |                                       |                  | 200   | 13                   | 1.77  | 9.21 02:30 62.96 43.86 |
| Class "G" Neat   |          |                                       |                  | 0   | 15.8                 | 1.15  | 5.00 0 0               |
| Available Mix Water 500 Bbl.   |          | Available Displ. Fluid 356 Bbl.       |                  | TOTAL   |                      | 222.71 61.70  |                        |
| HOLE   |          | TBG-CSG-D.P.                          |                  |   | COLLAR DEPTHS        |   |                        |
| SIZE   | % EXCESS | DEPTH                                 | SIZE             | WGT.  | TYPE                 | DEPTH   | GRADE                  |
| 17.5   |          | 480                                   | 13.375           | 54.5  | CSG                  | 485   | J-55                   |
|  |          |                                       |                  |   |                      | 485   | 443 0                  |
| LAST CASING  |          | PKR-CMT RET-BR PL-LINER               |                  | PERF. DEPTH   |                      | TOP CONN  |                        |
| SIZE   | WGT      | TYPE                                  | DEPTH            | TOP   | BTM                  | SIZE  | THREAD                 |
|  |          |                                       | NO PACKER        | 0   | 0                    | 13.375  | 8 RD                   |
|  |          |                                       |                  |   |                      | WELL FLUID  |                        |
|  |          |                                       |                  |   |                      | WATER BASED ML 9.7  |                        |
| DISPL. VOLUME  |          | DISPL. FLUID                          |                  | CAL. PSI  |                      | CAL. MAX PSI  |                        |
| VOLUME   | UOM      | TYPE                                  | WGT.             | BUMP PLUG   | TO REV.              | SQ. PSI   | RATED                  |
| 68.6   | BBLS     | Fresh Water                           | 8.4              | 123   | 0                    | 0   | 0                      |
|  |          |                                       |                  |   |                      | MAX TBG PSI   |                        |
|  |          |                                       |                  |   |                      | MAX CSG PSI   |                        |
|  |          |                                       |                  |   |                      | Operator  |                        |
|  |          |                                       |                  |   |                      | 2500 1000   |                        |
|  |          |                                       |                  |   |                      | MIX WATER   |                        |
|  |          |                                       |                  |   |                      | FRAC TANK   |                        |
| Circulation Prior to Job   |          |                                       |                  |   |                      |   |                        |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>   |          |                                       |                  | Circulation Time: .5  |                      | Circulation Rate: 4 BPM   |                        |
| Mud Density In: 9.7 LBS/GAL Mud Density Out: 9.7 LBS/GAL   |          |                                       |                  | PV & YP Mud In: 55  |                      | PV & YP Mud Out: 55   |                        |
| Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units:  |          |                                       |                  | Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> |                      |   |                        |
| Displacement And Mud Removal   |          |                                       |                  |   |                      |   |                        |
| Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>  |          |                                       |                  | Amount Bled Back After Job: .2 BBLS   |                      |   |                        |
| Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL  |          |                                       |                  | Method Used to Verify Returns: EYE  |                      |   |                        |
| Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO   |          |                                       |                  | Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES      |                      |   |                        |
| Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE                        |          |                                       |                  |   |                      |   |                        |
| Centralizers: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES  |          |                                       |                  | Quantity:   |                      | Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID |                        |
| Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD        |          |                                       |                  |   |                      |   |                        |
| Plugs  |          |                                       |                  |   |                      |   |                        |
| Number of Attempts by BJ: 0 Competition: 0   |          |                                       |                  | Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES Quantity:           |                      |   |                        |
| Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES   |          |                                       |                  | Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES                         |                      |   |                        |
| Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES  |          |                                       |                  | Top of Plug: 0 FT   |                      | Bottom of Plug: 0 FT  |                        |
| Squeezes (Update Original Treatment Report for Primary Job)  |          |                                       |                  |   |                      |   |                        |
| BLOCK SQUEEZE <input type="checkbox"/> SHOE SQUEEZE <input type="checkbox"/> TOP OF LINER SQUEEZE <input type="checkbox"/> PLANNED <input type="checkbox"/> UNPLANNED <input type="checkbox"/> |          |                                       |                  |   |                      |   |                        |
| Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES  |          |                                       |                  | Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES                             |                      | PSI Applied: 0 Fluid Weight: 0 LBS/GAL                            |                        |
| Casing Test (Update Original Treatment Report for Primary Job)   |          |                                       |                  |   |                      |   |                        |
| Casing Test Pressure: 0 PSI With 0 LBS/GAL Mud   |          |                                       |                  | Time Held: 00 Hours 00 Minutes  |                      |   |                        |
| Shoe Test (Update Original Treatment Report for Primary Job)   |          |                                       |                  |   |                      |   |                        |
| Depth Drilled out of Shoe: 0 FT  |          |                                       |                  | Target EMW: 0 LBS/GAL   |                      | Actual EMW: 0 LBS/GAL   |                        |
| Number of Times Tests Conducted: 0   |          |                                       |                  | Mud Weight When Test was Conducted: 0 LBS/GAL   |                      |   |                        |



# CEMENT JOB REPORT



Problems Before Job (I.E. Running Casing, Circulating Well, ETC)

HAD TO WAIT ON CASERS AND CRANE TO RUN PIPE. CASING WAS ON BOTTOM AND PRESSURED UP HAD TO RETIGHTEN SWAGE AND LIFT CASING BEFORE CIRCULATION COULD BE ACHEIVED

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)

N/A

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)

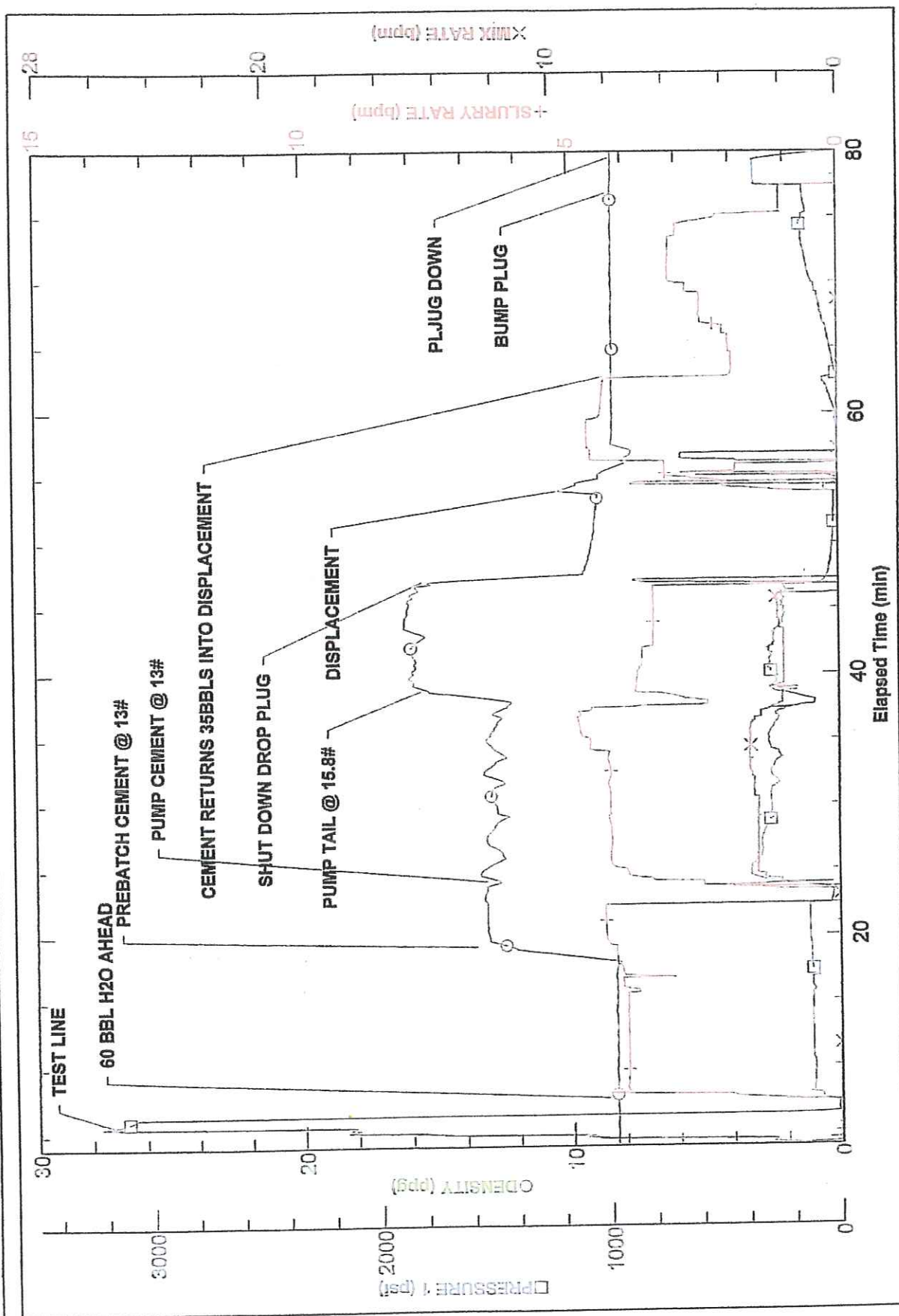
N/A

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:

| PRESSURE/RATE DETAIL   |                |                        |  |                                 |                         | EXPLANATION  |   |
|--|----------------|------------------------|--|---------------------------------|-------------------------|--|---|
| TIME<br>HR:MIN.  | PRESSURE - PSI |                        | RATE<br>BPM  | Bbl. FLUID<br>PUMPED            | FLUID<br>TYPE           | SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/> |   |
|  | PIPE           | ANNULUS                |  |                                 |                         | TEST LINES   | 3000 PSI  |
|  |                |                        |  |                                 |                         | CIRCULATING WELL - RIG   | <input checked="" type="checkbox"/> BJ <input type="checkbox"/> |
| 03:50  | 0              | 0                      | 0  | 0                               | N/A                     | SAFETY MEETING   |   |
| 04:10  | 3000           | 0                      | 0  | 0                               | H2O                     | TEST LINE  |   |
| 04:13  | 120            | 0                      | 4  | 60                              | H2O                     | WATER AHEAD  |   |
| 04:29  | 300            | 0                      | 4.3  | 62                              | CMT                     | BATCH AND PUMP LEAD @ 13#  |   |
| 04:41  | 275            | 0                      | 3.8  | 31.2                            | CMT                     | PUMP TAIL @ 15.8#  |   |
| 04:54  | 0              | 0                      | 0  | 0                               | N/A                     | DROP PLUG  |   |
| 04:59  | 55             | 0                      | 4  | 68.6                            | H2O                     | DISPLACEMENT CAUGHT CEMENT 35 BBLs INTO DISPLACEMENT   |   |
| 05:23  | 360            | 0                      | 0  | 0                               | H2O                     | BUMP PLUG  |   |
| 05:29  | 0              | 0                      | 0  | 0                               | H2O                     | PLUG DOWN  |   |
| BUMPED<br>PLUG   |                | PSI TO<br>BUMP<br>PLUG | TEST<br>FLOAT<br>EQUIP.  | BBL.CMT<br>RETURNS/<br>REVERSED | TOTAL<br>BBL.<br>PUMPED | PSI<br>LEFT ON<br>CSG  | SPOT<br>TOP OUT<br>CEMENT                                       |
| <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |                | 360                    | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 33.6                            | 221.8                   | 0  | Y <input checked="" type="checkbox"/> N                         |
|  |                |                        |  |                                 |                         | Service Supervisor Signature:  |   |



**BJ Services JobMaster Program Version 3.10**  
Job Number: 225134184  
Customer: WINDY HILL GAS STORAGE LL  
Well Name: SWD 3-17



## Windy Hill 3-17D Cementing Calculations

**Figure 3**

Data source for cement job is "3-17D Halliburton Cementing -8.625(08-14-07)

### Surface Casing 0' - 483':

|                          | OD (in) | ID (in)          | Vol (cu ft/lf)        |             |
|--------------------------|---------|------------------|-----------------------|-------------|
| Casing diameter          | 13.375  | 12.615           | 0.975697002           | 0.867964373 |
| Hole diameter            | --      | 17.5             |                       | 1.670334636 |
| Annular space volume     |         |                  | 0.694637633           |             |
| Total annular space      | 335.51  | cu ft            |                       |             |
| Cement use:              |         |                  |                       |             |
| Type                     | sacks   | yield (cu ft/sx) | Cement volume (cu ft) |             |
| Class G cmt w/ additives | 150     | 1.17             | 175.5                 |             |
| Prem Lite Cmt            | 200     | 1.77             | 354                   |             |
| Cement Total Volume      |         |                  | 529.5                 |             |

### Production Casing 0' - 5,461':

|                                   |              |         |                |             |
|-----------------------------------|--------------|---------|----------------|-------------|
| 1) Lower hole (483'-5461'):       | length (ft): | 4978    |                |             |
|                                   | OD (in)      | ID (in) | Vol (cu ft/lf) |             |
| Casing diameter                   | 8.625        | 7.921   | 0.405737918    | 0.342205839 |
| Hole diameter                     | --           | 12.25   |                | 0.818463971 |
| Annular space                     |              |         | 0.412726053    |             |
| Annular space 1 volume            | 2054.55      | cu ft   |                |             |
| 2) Surface csg section (0'-483'): | length (ft): | 483     |                |             |
|                                   | OD (in)      | ID (in) | Vol (cu ft/lf) |             |
| Surf. csg diameter                | 13.375       | 12.615  | 0.975697002    | 0.867964373 |
| Csg diameter                      | 8.625        | 7.921   | 0.405737918    | 0.342205839 |
| Annular space                     |              |         | 0.462226454    |             |
| Annular space 2 volume            | 223.2554     | cu ft   |                |             |

**Total annular space (1+2) 2277.806 cu ft**

|                     |       |                  |                       |  |
|---------------------|-------|------------------|-----------------------|--|
| Cement use:         |       |                  |                       |  |
| Type                | sacks | yield (cu ft/sx) | Cement volume (cu ft) |  |
| 50/50 Poz Premium   | 2295  | 2.73             | 6265.35               |  |
| Premium Cement      | 835   | 1.19             | 993.65                |  |
| Cement Total Volume |       |                  | 7259                  |  |

**Cement/ Annular 320%**