

TO:	<u>MILNES, ZACH</u>
FROM:	<u></u>
REQUESTED ON LOCATION:	<u>23-Jul-2007 12:00 MST</u>
CUSTOMER:	<u>WINDY HILL GAS STORAGE LLC</u>
WELL NAME/NBR/LEASE:	<u>Windy Hills , 7-17S / Windy Hills</u>

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Job Summary  
Job Log

**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 #: 2556491	Quote #:	Sales Order #: 5236545
Customer: WINDY HILL GAS STORAGE LLC		Customer Rep: Brewer, Lynn	
Well Name: Windy Hills		Well #: 7-17S	API/UWI #:
Field:	City (SAP): BRUSH	County/Parish: Morgan	State: Colorado
Contractor: Unit		Rig/Platform Name/Num: Unit134	
Job Purpose: Cement Production Casing			
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: PAPE, LOGAN		Srvc Supervisor: MILNES, ZACH	MBU ID Emp #: 276570

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HALL, ROLAND J.	36.5	273321	JONES, JOHN Derik	64.5	319255	MILNES, ZACH A	36.5	276570
NIELSEN, WILLIAM C	64.5	392883	PEAK, JOSEPH S	36.5	376194	Smith, Justin	58.0	370258
Valdez, John	56.5	316200	WEISS, RANDAL Frank	36.5	411402			

### Equipment

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

TOTAL Total is the sum of each column separately

### Job

Formation Name	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To
			BHST	6040.8 ft	6040.8 ft				
			200 degF						
			Wk Ht Above Floor		5. ft				
			Deparated Loc						

### Job Times

Called Out	Date	Time	Time Zone
	21 - Jul - 2007	00:00	MST
On Location	23 - Jul - 2007	12:00	MST
Job Started	23 - Jul - 2007	12:00	MST
Job Completed	23 - Jul - 2007	22:41	MST
	24 - Jul - 2007	00:00	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
16" Intermediate	Used		16.	14.85	97.			.	5098.		
18.82 Open Hole				18.82				5098.	6040.		
11 7/8" Production Casing	Used		11.875	10.711	71.8			.	6040.8		

### 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	Poz Scavenger	POZMIX A FLYASH (100003690)	215.0	sacks	11.	5.03	29.97	5.0	21.39	
	70.5 lbm	POZMIX A (BULK) FLYASH (100003690)								
	0.6 %	HR-5, 50 LB SK (100005050)								
	3 %	D-AIR 3000 (101007446)								
	37.2 %	SALT, 100 LB BAG (100003652)								
	21.393 Gal	FRESH WATER								
2	Primary Cement	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	2520.0	sacks	16.2	1.68	6.32	5.0	6.58	
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)								
	35 %	SAND-SSA-1 - SILICA FLOUR - 200 MESH, BULK (100003691)								
	37.2 %	SALT 36% (100003652)								
	0.6 %	HALAD(R)-567, 50 LB BAG (101201428)								
	3 %	MICROBOND HT, 50 LB SK (100003723)								
	0.4 %	HR-5, 50 LB SK (100005050)								
	0.125 lbm	POLY-E-FLAKE (101216940)								
	0.25 lbm	KWIK SEAL, SK (100064010)								
	0.3 %	D-AIR 3000 (101007446)								
	6.581 Gal	FRESH WATER								
3	Water Displacement		0.00	bbl	8.34	.0	.0	5.0		
4	Mtn G	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	190.0	sacks	15.8	1.15	5.0	3.0	5.0	
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)								
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)								
	5.019 Gal	FRESH WATER								
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	45.8 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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<b>Sold To #:</b> 352578	<b>Ship To #:</b> 2556491	<b>Quote #:</b>	<b>Sales Order #:</b> 5236545
<b>Customer:</b> WINDY HILL GAS STORAGE LLC		<b>Customer Rep:</b> Brewer, Lynn	
<b>Well Name:</b> Windy Hills		<b>Well #:</b> 7-17S	<b>API/UWI #:</b>
<b>Field:</b>	<b>City (SAP):</b> BRUSH	<b>County/Parish:</b> Morgan	<b>State:</b> Colorado
<b>Legal Description:</b>			
<b>Lat:</b> N 0 deg. OR N 0 deg. 0 min. 0 secs.		<b>Long:</b> E 0 deg. OR E 0 deg. 0 min. 0 secs.	
<b>Contractor:</b> Unit		<b>Rig/Platform Name/Num:</b> Unit134	
<b>Job Purpose:</b> Cement Production Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Production Casing	
<b>Sales Person:</b> PAPE, LOGAN		<b>Srvc Supervisor:</b> MILNES, ZACH	<b>MBU ID Emp #:</b> 276570

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Depart from Service Center or Other Site	07/22/2007 12:00							
Arrive At Loc	07/22/2007 14:00							
Wait on Customer or Customer Sub-Contractor Equipm	07/22/2007 15:00							
Assessment Of Location Safety Meeting	07/23/2007 12:00							
Pre-Rig Up Safety Meeting	07/23/2007 13:00							
Rig-Up Equipment	07/23/2007 13:20							
Pre-Rig Up Safety Meeting	07/23/2007 14:00							
Safety Meeting	07/23/2007 15:00							
Start Job	07/23/2007 15:43							
Test Lines	07/23/2007 15:52						5000.0	
Pump Spacer	07/23/2007 15:56		6	182			100.0	Poz Scavenger 11ppg
Pump Lead Cement	07/23/2007 16:31		6	754			100.0	16.2 ppg
Other	07/23/2007 19:02							Boost out belly line because of build up in line
Shutdown	07/23/2007 19:48							
Pump Displacement - Start	07/23/2007 19:50							
Drop Top Plug	07/23/2007 19:50							

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer	07/23/2007 19:50		6	20				Poz Scavenger 11 ppg
Pump Well Fluid - Start	07/23/2007 19:52		8	647.8			150.0	
Displ Reached Cmmt	07/23/2007 20:37		8	350			150.0	
Spacer Returns to Surface	07/23/2007 20:37		6	350			150.0	
Other	07/23/2007 21:17		6	580			1700.0	Lost Returns and slow Rate
Pump Displacement	07/23/2007 22:25		1	2			1400.0	Pump 2 bbls over Calc. as instructed by company man Displacement. No Clear sign Plug landed
Pump Displacement - End	07/23/2007 22:26							
End Job	07/23/2007 22:41							
Safety Meeting - Pre Rig-Down	07/23/2007 22:50							
Shutdown	07/23/2007 23:22		1	647.8			1400.0	Pumped Calc. Displacement.
Check Floats	07/23/2007 23:22			2.5				2.5 bbls back/floats holding
Rig-Down Equipment	07/24/2007 00:00							
Safety Meeting - Departing Location	07/24/2007 00:10							
Wait on Orders - Start Time	07/24/2007 00:10							Waiting on loggers
Wait on Orders - End Time	07/24/2007 07:30							Discuss logs and top out volumes
Wait on HES Materials to Arrive - Start Time	07/24/2007 07:30							
Wait on HES Materials to Arrive - End Time	07/24/2007 18:30							Bulk Truck Arrives on Location
Pre-Rig Up Safety Meeting	07/24/2007 18:30							
Rig-Up Equipment	07/24/2007 18:45							
Casing on Bottom	07/24/2007 21:00							460 ft depth
Safety Meeting	07/24/2007 21:15							
Start Job	07/24/2007 21:30							

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Water	07/24/2007 21:30			0.5		1200.0		Could not pump into 1" tubing
Other	07/24/2007 21:35							Pull up on tubing. Did not move
Other	07/24/2007 21:45							Dropped Tubing down hole
Standby On Equipment	07/24/2007 21:45							Wait for new tubing to be delivered
Casing on Bottom	07/25/2007 01:20							418 ft depth with new tubing
Start Job	07/25/2007 01:27							
Pump Water	07/25/2007 01:30		2	25	25	500.0		
Spacer Returns to Surface	07/25/2007 01:45			20	20	500.0		
Pump Cement	07/25/2007 01:52		2	38	38	1000.0		
Cement Returns to Surface	07/25/2007 02:13		2	34	34	1000.0		
Shutdown	07/25/2007 02:15							
Clean Lines	07/25/2007 02:15							
End Job	07/25/2007 02:18							
Safety Meeting - Pre Rig-Down	07/25/2007 03:15							
Rig-Down Equipment	07/25/2007 03:15							
Safety Meeting - Departing Location	07/25/2007 04:25							
Depart Location for Service Center or Other Site	07/25/2007 04:30							