

**CONOCO/PHILLIPS COMPANY EBUSINESS  
DO NOT MAIL- 600 N DAIRY ASHFORD  
HOUSTON, Texas**

Tebo 3-1H

H&P 280

## **Post Job Summary**

# **Cement Surface Casing**

Date Prepared: 11/29/2012  
Version: 1

Service Supervisor: PICKELL, CHRISTOPHER

Submitted by: KENNEDY, HERRON

**HALLIBURTON**

# HALLIBURTON

## Wellbore Geometry

Job Tubulars					MD		Shoe Joint Length ft
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	
Casing	Surface Casing	9.63	8.921	36.00	0.00	2,210.00	40.00
Open Hole Section	Open Hole		12.250		124.00	2,215.00	

# HALLIBURTON

## Pumping Schedule

Stage/ Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Downhole Volume
1	1	Spacer	Fresh Water Spacer	8.33	40.0 bbl
1	2	Cement Slurry	SwiftCem 12#	12.00	500.0 sacks
1	3	Cement Slurry	SwiftCem 13.#	13.00	200.0 sacks

## Fluids Pumped

**Stage/Plug # 1    Fluid 1:**    Fresh Water Spacer

Fluid Density: 8.33 lbm/gal  
Fluid Volume: 40.00 bbl

**Stage/Plug # 1    Fluid 2:**    SwiftCem 12#

SWIFTCEM (TM) SYSTEM  
6 %    Enhancer 923  
0.25 lbm    Poly-E-Flake

Fluid Weight: 12.00 lbm/gal  
Slurry Yield: 2.57 ft<sup>3</sup>/sack  
Total Mixing Fluid: 15.11 Gal  
Surface Volume: 500.0 sacks  
Sacks: 500.0 sacks

**Stage/Plug # 1    Fluid 3:**    SwiftCem 13.#

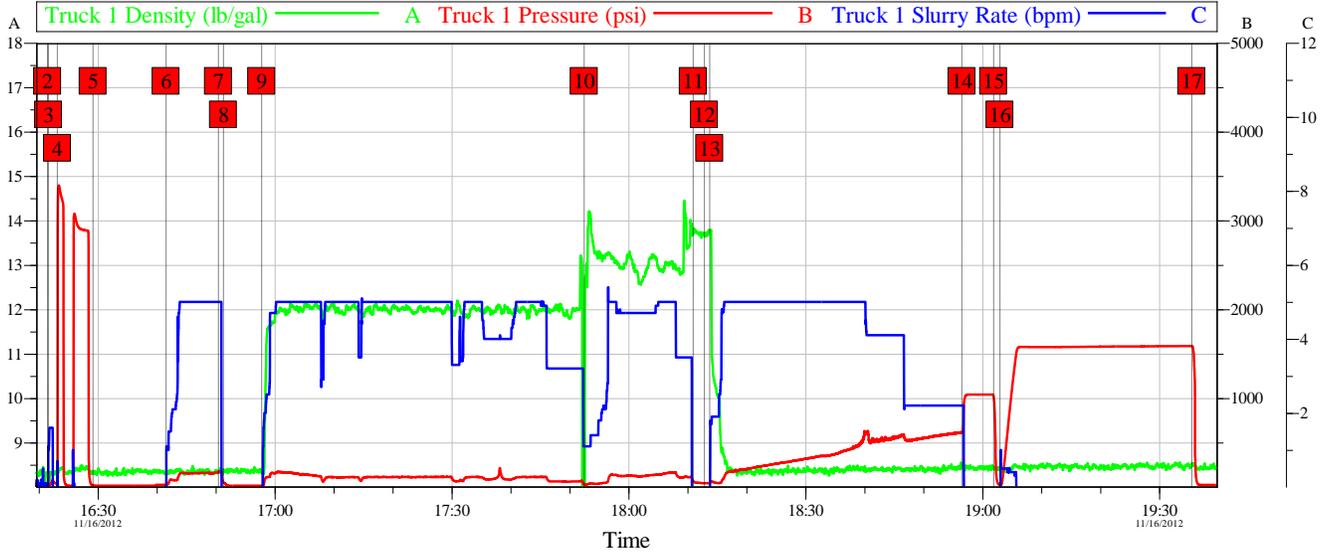
SWIFTCEM (TM) SYSTEM  
6 %    Enhancer 923

Fluid Weight: 13.00 lbm/gal  
Slurry Yield: 2.01 ft<sup>3</sup>/sack  
Total Mixing Fluid: 11.01 Gal  
Surface Volume: 200.0 sacks  
Sacks: 200.0 sacks

# HALLIBURTON

## Data Acquisition

TEBO 3-1H  
CONOCO PHILLIPS



### Global Event Log

Intersection	T1P	Intersection	T1P	Intersection	T1P
2 Start Job	16:21:29 9.000	3 Prime Pumps	16:21:38 9.143	4 Test Lines	16:23:09 40.82
5 Safety Meeting	16:29:12 17.48	6 Pump Water W/Dye	16:41:35 24.00	7 Drop Bottom Plug	16:50:27 170.4
8 Shutdown	16:51:18 54.82	9 Pump Swiftcem 12#	16:57:48 14.00	10 Pump Swiftcem 13#	17:52:29 26.63
11 Shutdown	18:10:58 64.04	12 Drop Top Plug	18:12:52 42.00	13 Pump Displacement	18:13:46 42.00
14 Bump Plug	18:56:32 616.1	15 Check Floats	19:01:54 1020	16 Pressure Up Well	19:02:59 23.32
17 Release CSG Pressure	19:35:30 1587				

Customer: CONOCO PHILLIPS	Job Date: 16-Nov-2012	Sales Order #: 900006540
Well Description: TEBO 3-1H	UWI:	
SERVICE SUPERVISOR CHRISTOPHER PICKELL	SERVICE OPERATOR VAUGHN OTERI	

OptiCem v6.4.10  
16-Nov-12 19:53

# HALLIBURTON

## Service Supervisor Reports

### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
11/16/2012 16:21		Start Job					200 SKS OF PREMIUM G WITH/CALSEAL WAS BROUGHT TO LOCATION FOR TOP OUT AND WAS NOT USED. ONLY CHARGED FOR 4 RADIOS. 2 CREWMEN LEFT BEFORE START OF JOB
11/16/2012 16:23		Test Lines	1			300.0	PRESSURE TEST LINES TO 3000 PSI. CHECK FOR VISIBLE LEAKS AND PRESSURE LOSS
11/16/2012 16:41		Pump Spacer 1	5	40		140.0	PUMP WATER SPACER. FIRST 20 BBL OF FRESH WATER LAST 20 BBL WITH RED DYE
11/16/2012 16:50		Drop Bottom Plug					PLUG PRELOADED. WITNESSED BY COMPANY MAN
11/16/2012 16:51		Shutdown					SHUTDOWN TO LOAD THE TOP PLUG
11/16/2012 16:57		Pump Lead Cement	5	224		170.0	PUMP SWIFTCEM CEMENT 500 SKS 12 PPG 2.51 CUFT/SK 14.84 GAL/SK MIXED WITH RIG WATER
11/16/2012 17:52		Pump Tail Cement	5	70		190.0	PUMP SWIFTCEM CEMENT 200 SKS 13 PPG 1.97 CUFT/SK 10.82 GAL/SK MIXED WITH RIG WATER. RETURNS WERE LOST FOR THE FIRST 13 BBL OF TAIL CEMENT
11/16/2012 18:10		Shutdown					WASH UP ON TOP OF THE PLUG
11/16/2012 18:12		Drop Top Plug					PLUG LOADED AFTER PUMPING WATER SPACER DO TO ONLY HAVING A SINGLE STACK PLUG CONTAINER. WITNESSED BY COMPANY MAN
11/16/2012 18:13		Pump Displacement	5	167.2		590.0	PUMP DISPLACEMENT USING RIG WATER
11/16/2012 18:56		Bump Plug	2			630.0	CALCULATED PRESSURE TO LAND WAS 477. PLUG LANDED AT 630 PSI GOING 500 PSI OVER FINAL LIFT PRESSURE
11/16/2012 19:01		Check Floats					PRESSURE WAS HELD FOR 5 MINUTES THEN RELEASED. FLOATS HELD. 3/4 BBL BACK TO OUR TANKS
11/16/2012 19:02		Pressure Up Well	0.5	1		1500.0	PRESSURE TEST THE CASING TO 1500 PSI AND HOLD FOR 30 MINUTES. PRESSURE CLIMBED TO 1585
11/16/2012 19:35		Release Casing Pressure				1585.0	PRESSURE WAS RELEASED AFTER THE 30 MINUTES. 1.75 BBL BACK TO OUR TANKS
11/16/2012 19:36		End Job					170 BBL OF CEMENT BACK TO SURFACE

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 352431		<b>Ship To #:</b> 2963241		<b>Quote #:</b>		<b>Sales Order #:</b> 900006540	
<b>Customer:</b> CONOCO/PHILLIPS COMPANY EBUSINESS				<b>Customer Rep:</b> Evans, Wes			
<b>Well Name:</b> Tebo			<b>Well #:</b> 3-1H		<b>API/UWI #:</b> 0		
<b>Field:</b> WATTENBERG		<b>City (SAP):</b> BENNETT		<b>County/Parish:</b> Arapahoe		<b>State:</b> Colorado	
<b>Job Purpose:</b> Cement Surface Casing							
<b>Well Type:</b> Development Well				<b>Job Type:</b> Cement Surface Casing			
<b>Sales Person:</b> AARON, WESLEY			<b>Srvc Supervisor:</b> PICKELL, CHRISTOPHER			<b>MBU ID Emp #:</b> 396838	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CHISLUM, DENNIS	0.0	512130	MEADOWS, DANIEL Graham	0.0	500668	MULLER, MICHEL B	0.0	529830
OTERI, VAUGHN Steeves	0.0	443828	PICKELL, CHRISTOPHER Lee	0.0	396838	ROMERO, JOSEPH Michael	0.0	512137

### Equipment

HES Unit #	Distance-1 way						
10248062C	44 mile	10972458	44 mile	11019275C	44 mile	11064535	44 mile
11562546C	44 mile	11566182	44 mile	11605597	44 mile	11667703C	44 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				Date	Time	Time Zone
<b>Formation Depth (MD)</b>	<b>Top</b>	<b>Bottom</b>		<b>Called Out</b>	15 - Nov - 2012	23:30 MST
<b>Form Type</b>	BHST			<b>On Location</b>	16 - Nov - 2012	02:40 MST
<b>Job depth MD</b>	2215. ft	<b>Job Depth TVD</b>	2215. ft	<b>Job Started</b>	16 - Nov - 2012	16:21 MST
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>	5. ft	<b>Job Completed</b>	16 - Nov - 2012	19:36 MST
<b>Perforation Depth (MD)</b>	<b>From</b>	<b>To</b>		<b>Departed Loc</b>	16 - Nov - 2012	21:00 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
Open Hole				12.25				124.	2215.	.	
Surface Casing	Unknown		9.625	8.921	36.			.	2210.	.	

### 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		40.00	bbl	8.33	.0	.0	.0	
2	SwiftCem 12#	SWIFTCEM (TM) SYSTEM (452990)	500.0	sacks	12.	2.57	15.11	5.0	15.11
	6 %	ENHANCER 923, BULK (101894003)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	15.11 Gal	FRESH WATER							
3	SwiftCem 13.#	SWIFTCEM (TM) SYSTEM (452990)	200.0	sacks	13.	2.01	11.01	5.0	11.01
	6 %	ENHANCER 923, BULK (101894003)							
	11.01 Gal	FRESH WATER							
<i>The Information Stated Herein Is Correct</i>			<b><i>Customer Representative Signature</i></b>						

