

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

State of Colorado 36-1

H&P 280

Post Job Summary
Cement Production Casing

Date Prepared: 1/2/2013
Version: 1

Service Supervisor: BULINSKI, MATTHEW

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	9-5/8" Surface Casing	9.63	8.921	36.00	0.00	2,215.00	45.00
Open Hole Section	8-3/4" Open Hole Section		8.750		2,188.00	8,236.00	
Casing	7" Casing	7.00	6.184	29.00	0.00	8,013.00	

HALLIBURTON

Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Surface Volume	Downhole Volume
1	1	Spacer	Clean Spacer III	10.5	40.0 bbl	40.0 bbl
1	2	Cement Slurry	EXTENDACEM B2	12.00	420.0 sacks	420.0 sacks
1	3	Cement Slurry	HalCem B1	15.80	130.0 sacks	130.0 sacks

Fluids Pumped

Stage/Plug # 1 Fluid 1: Clean Spacer III

Fluid Density: 10.5 lbm/gal
Fluid Volume: 40.00 bbl

Stage/Plug # 1 Fluid 2: EXTENDACEM B2
EXTENDACEM (TM) SYSTEM

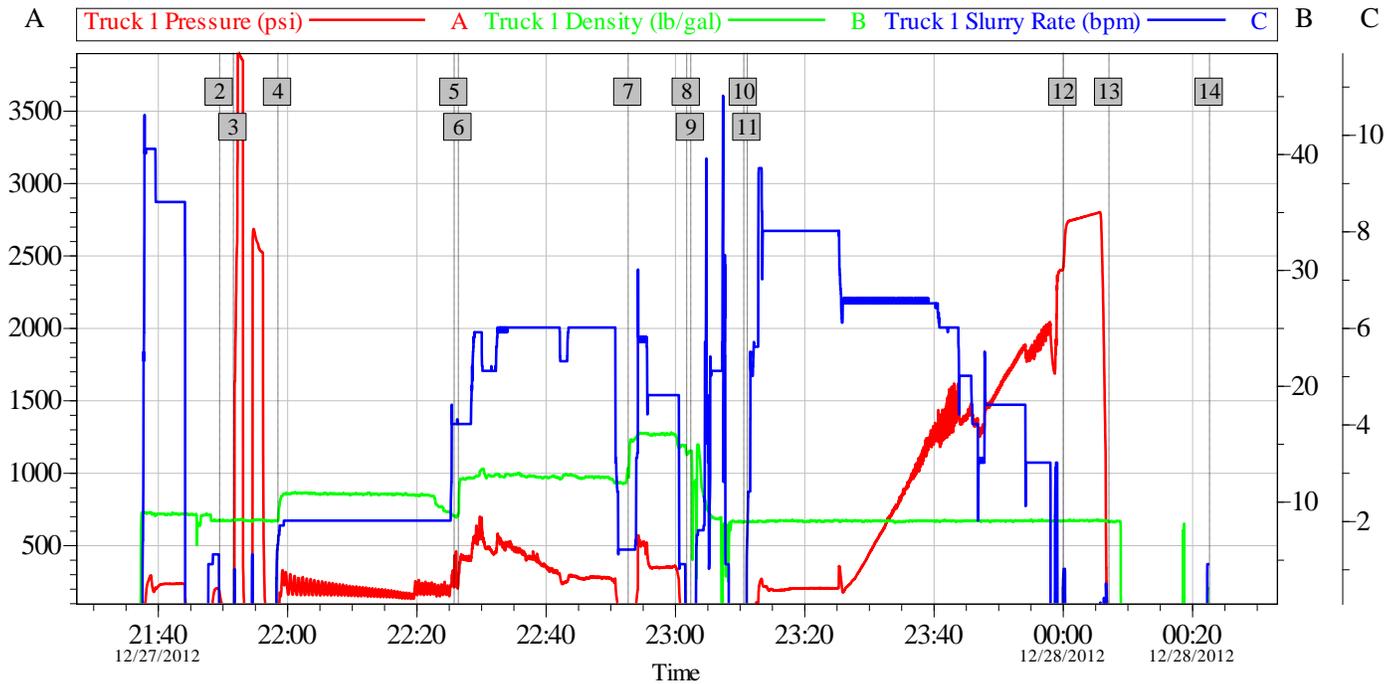
Fluid Weight: 12.00 lbm/gal
Slurry Yield: 1.99 ft³/sack
Total Mixing Fluid: 10.64 Gal
Surface Volume: 420.0 sacks
Sacks: 420.0 sacks
Calculated Fill: 5,036.00 ft
Calculated Top of Fluid: 2,080.00 ft
Estimated Top of Fluid:

Stage/Plug # 1 Fluid 3: HalCem B1
HALCEM (TM) SYSTEM

Fluid Weight: 15.80 lbm/gal
Slurry Yield: 1.52 ft³/sack
Total Mixing Fluid: 6.19 Gal
Surface Volume: 130.0 sacks
Sacks: 130.0 sacks
Calculated Fill: 1,634.00 ft
Calculated Top of Fluid: 7,116.00 ft
Estimated Top of Fluid:

HALLIBURTON

Data Acquisition



Global Event Log

2	Start Job	12/27/2012 21:49:37	3	Test Lines	12/27/2012 21:51:45	4	Pump Spacer 1	12/27/2012 21:58:39
5	Drop Bottom Plug	12/27/2012 22:25:54	6	Pump Lead Cement	12/27/2012 22:26:33	7	Pump Tail Cement	12/27/2012 22:52:50
8	Shutdown	12/27/2012 23:01:52	9	Clean Lines	12/27/2012 23:02:31	10	Drop Top Plug	12/27/2012 23:10:42
11	Pump Displacement	12/27/2012 23:11:15	12	Bump Plug	12/28/2012 00:00:08	13	End Job	12/28/2012 00:07:13
14	Ending Job	12/28/2012 00:22:46						

Customer:

Well Description:

Job Date: 27-Dec-2012

UWI:

Sales Order #: 900098356

OptiCem v6.4.10
02-Jan-13 11:14

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
12/27/2012 00:00		Bump Plug	3				Slowed down last 10bbbls to 3bbl/min to land plug at //psi and brought to //psi
12/27/2012 11:30		Arrive at Location from Service Center					
12/27/2012 14:00		Assessment Of Location Safety Meeting					Hazard Hunt on location before spotting trucks
12/27/2012 15:10		Safety Meeting - Pre Rig-Up					JSA on Rig up ground iron to rig
12/27/2012 16:30		Safety Meeting - Pre Job					JSA with Rig crew and Conoco Pre job and finishing rig up to rig floor
12/27/2012 21:49		Start Job					
12/27/2012 21:51		Test Lines	0.5			3607.0	3500psi Pressure test lines to rig floor
12/27/2012 21:58		Pump Spacer 1	4	40		130.0	40bbl Clean Spacer III mixed at 10.5ppg using rig water on Batch Mixer// Mixed 20gal D-air, 20gal Musol, 20gal Sem 7 into spacer before going down hole verify by pressurized mud scales
12/27/2012 22:25		Drop Bottom Plug					Bottom Plug pre-loaded in head with Company Man observing
12/27/2012 22:26		Pump Lead Cement	6	148		250.0	420sks ExtendaCem B2 mixed at 12ppg using rig water verify by pressurized mud scales
12/27/2012 22:52		Pump Tail Cement	6	35		436.0	130sks Halcem B1 mixed at 15.8ppg using rig water verify by pressurized mud scales
12/27/2012 23:01		Shutdown					Shutdown
12/27/2012 23:02		Clean Lines	2	10			5bbls Clean water wash lines before displacement
12/27/2012 23:10		Drop Top Plug					Top plug pre-loaded Company man observe
12/27/2012 23:11		Pump Displacement	6	273		1560.0	H2O displacement good returns throughout
12/28/2012 00:00		Bump Plug	3			2130.0	Last 10bbbls slowed down to 3bbbls min landed at 2130psi and brought to 2890psi
12/28/2012 00:08		Check Floats					Held for 5mins released and floats held
12/28/2012 00:10		End Job					
12/28/2012 00:31		Safety Meeting - Departing Location					JSA with HSE EE's on driving back to Brighton
12/28/2012 01:30		Pre-Rig Down Safety Meeting					JSA huddle in dog house with rig crew

The Road to Excellence Starts with Safety

Sold To #: 352431	Ship To #: 2968315	Quote #:	Sales Order #: 900098356
Customer: CONOCO/PHILLIPS COMPANY EBUSINESS		Customer Rep:	
Well Name: State of Colorado		Well #: 36-1	API/UWI #: 05-041-06032
Field: WILDCAT	City (SAP): AURORA	County/Parish: Adams	State: Colorado
Lat: N 38.533 deg. OR N 38 deg. 31 min. 57.076 secs.		Long: W 104.612 deg. OR W -105 deg. 23 min. 18.125 secs.	
Contractor: H&P		Rig/Platform Name/Num: H&P 280	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: AARON, WESLEY		Srvc Supervisor: BULINSKI, MATTHEW	MBU ID Emp #: 483865

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BROOM, KENDALL L	0.0	524682	BULINSKI, MATTHEW J	0.0	483865	HALE, ROBERT E	0.0	470588
HOLMES, ANDREW Malcom	0.0	520802	Mayfield, Byron	0.0	528751	MILLER, GEOFFREY Alan	0.0	460232
WHEELER, JUSTIN W	0.0	196470						

Equipment

HES Unit #	Distance-1 way						
10025030	60 mile	11064535	60 mile	11527041C	60 mile	11532305	60 mile
11542778	60 mile	11562562	60 mile	11605598	60 mile	11748359	60 mile
NA	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
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	27 - Dec - 2012	05:30	MST
Form Type		BHST	On Location	27 - Dec - 2012	11:30	MST
Job depth MD	8236. ft	Job Depth TVD	Job Started	27 - Dec - 2012	21:49	MST
Water Depth		Wk Ht Above Floor	Job Completed	27 - Dec - 2012	00:08	MST
Perforation Depth (MD)	From	To	Departed Loc	27 - Dec - 2012	01:30	MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
8-3/4" Open Hole Section				8.75				2188.	8236.		
7" Casing	Unknown		7.	6.184	29.			.	8013.		
9-5/8" Surface Casing	Unknown		9.625	8.921	36.		N-80	.	2215.		

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	Clean Spacer III		40.00	bbl	10.5				
2	EXTENDACEM B2	EXTENDACEM (TM) SYSTEM (452981)	420.0	sacks	12.0	1.99	10.64		10.64
	10.64 Gal	FRESH WATER							
3	HalCem B1	HALCEM (TM) SYSTEM (452986)	130.0	sacks	15.8	1.52	6.19		6.19
	6.19 Gal	FRESH WATER							
<i>The Information Stated Herein Is Correct</i>				Customer Representative Signature					

