

**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 Surface Casing**

Date Prepared: 12/19/2012
Version: 1

Service Supervisor: LAVALLEY, LARRY

Submitted by: KENNEDY, HERRON

HALLIBURTON

HALLIBURTON

Wellbore Geometry

Job Tubulars					MD		Excess	Shoe Joint Length ft
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	%	
Open Hole Section	12-1/4" Open Hole		12.250		0.00	1,813.00	100	
Casing	9-5/8" Casing	9.63	8.921	36.00	0.00	1,807.00		46.00

HALLIBURTON

Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	Fresh Water Spacer	8.33	5.00	40.0 bbl	40.0 bbl
1	2	Cement Slurry	SwiftCem B2	12.00	5.00	390.0 sacks	390.0 sacks
1	3	Cement Slurry	SwiftCem B2	13.00	5.00	299.0 sacks	299.0 sacks

Fluids Pumped

Stage/Plug # 1 Fluid 1: Fresh Water Spacer
DUMMY MUD / FLUSH / SPACER SBC MATERIAL

Fluid Density: 8.33 lbm/gal
Fluid Volume: 40.00 bbl
Pump Rate: 5.00 bbl/min

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

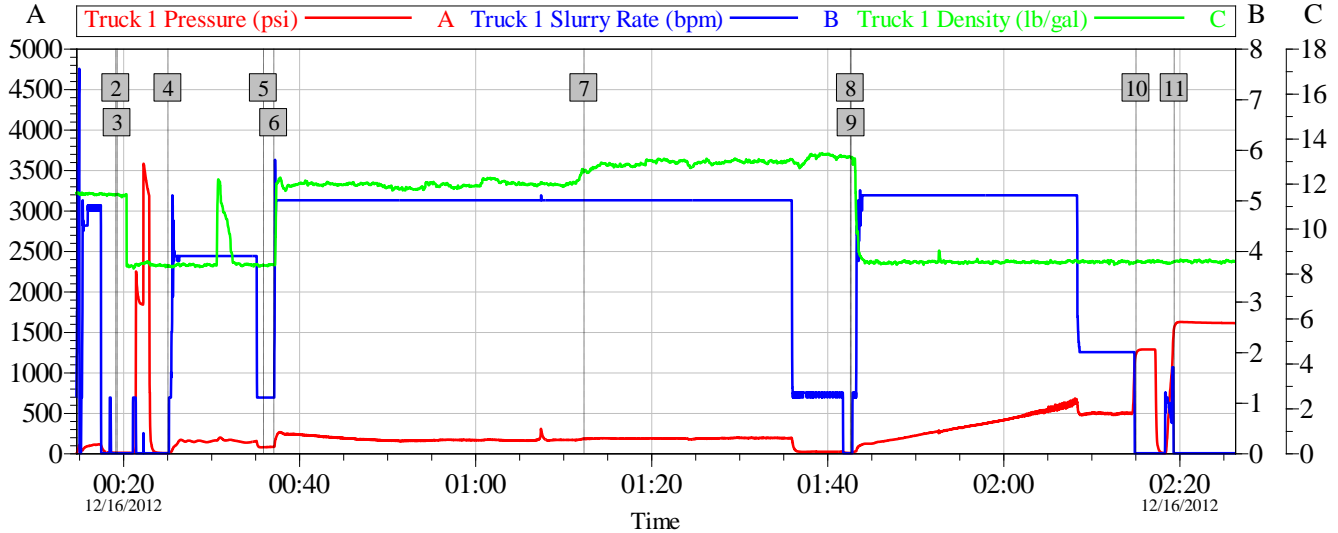
Fluid Weight: 12.00 lbm/gal
Slurry Yield: 2.56 ft³/sack
Total Mixing Fluid: 15.09 Gal
Surface Volume: 390.0 sacks
Sacks: 390.0 sacks
Calculated Fill: 1,300.00 ft
Calculated Top of Fluid: 0.00 ft
Estimated Top of Fluid:
Pump Rate: 5.00 bbl/min

Stage/Plug # 1 Fluid 3: SwiftCem B2
SWIFTCEM (TM) SYSTEM

Fluid Weight: 13.00 lbm/gal
Slurry Yield: 2.01 ft³/sack
Total Mixing Fluid: 10.99 Gal
Surface Volume: 299.0 sacks
Sacks: 299.0 sacks
Calculated Fill: 500.00 ft
Calculated Top of Fluid: 1,300.00 ft
Estimated Top of Fluid:
Pump Rate: 5.00 bbl/min

Data Acquisition

CONOCO PHILLIPS STATE OF COLORADO 36-1 9.625 INCH SURFACE



Global Event Log

Intersection		TIP	TISR	TID	Intersection		TIP	TISR	TID
1	Starting Job	22:54:50	14.00	0.000	2	Start Job	00:19:11	7.000	0.000
3	Test Lines	00:19:20	6.000	0.000	4	Pump Spacer 1	00:25:07	2.091	0.000
5	Drop Bottom Plug	00:35:57	75.00	1.100	6	Pump Lead Cement	00:37:08	78.00	1.100
7	Pump Tail Cement	01:12:22	178.1	5.000	8	Drop Top Plug	01:42:39	3.000	0.000
9	Pump Displacement	01:42:44	3.000	0.000	10	Bump Plug	02:15:05	1224	0.000
11	Other	02:19:26	1551	0.000	12	End Job	02:42:42	1.000	0.000
13	Ending Job	02:42:50	-1.000	0.000					
				8.530					8.487

Customer: CONOCO PHILLIPS	Job Date: 15-Dec-2012	Sales Order #: 900075661
Well Description: 9.625 INCH SURFACE	THANKS LARRY LAVALLEY AND CREW	

OptiCem v6.4.10
16-Dec-12 02:44

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)	Comments
12/16/2012 00:19		Start Job						
12/16/2012 00:19		Test Lines					3547.0	RIG WATER WITH NO ADDITIVES
12/16/2012 00:25		Pump Spacer 1	5	40			75.0	RIG WATER WITH RED DYE ADDED
12/16/2012 00:35		Drop Bottom Plug					75.0	PRELOADED WETHERFORD BOTTOM PLUG
12/16/2012 00:37		Pump Lead Cement	5	177			78.0	390 SKS SWIFTCCEM B2 MIXED @ 12.0 PPG YIELD 2.56 ft3/ft and 15.09 gal/sk
12/16/2012 01:12		Pump Tail Cement	5	108			178.0	299 SKS SWIFTCCEM B2 MIXED @ 13.0 PPG YIELD 2.01 ft3/ft and 10.99 gal/sk
12/16/2012 01:42		Drop Top Plug						PRELOADED WETHERFORD TOP PLUG
12/16/2012 01:42		Pump Displacement	5	139			709.0	RIG WATER WITH NO ADDITIVES CEMENT RETURNED TO SURFACE @ START OF DISPLACEMENT SO CALLED 140 BBLS BACK
12/16/2012 02:15		Bump Plug	2				1224.0	CALCULATED PRESSURE TO LAND WAS 1063 PSI AND CALCULATED PRESSURE TO LIFT WAS 771 PSI
12/16/2012 02:19		Other					1551.0	DID CASING TEST TO 1500 PSI AND HELD FOR 30 MIN
12/16/2012 02:44		End Job						

The Road to Excellence Starts with Safety

Sold To #: 352431	Ship To #: 2968315	Quote #:	Sales Order #: 900075661
Customer: CONOCO/PHILLIPS COMPANY EBUSINESS		Customer Rep: Evans, Wes	
Well Name: State of Colorado	Well #: 36-1	API/UWI #:	
Field: WILDCAT	City (SAP): AURORA	County/Parish: Adams	State: Colorado
Legal Description: Section 36 Township 3S Range 64W			
Contractor: H&P	Rig/Platform Name/Num: H&P380		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: GROFF, THEODORE	Srvc Supervisor: LAVALLEY, LARRY	MBU ID Emp #: 419296	

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	IPSON, TIMOTHY J	0.0	485018	JEWELL, WILLIAM Uris	0.0	503358
LAVALLEY, LARRY P	0.0	419296	MEADOWS, DANIEL Graham	0.0	500668			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10025030	40 mile	10866493C	40 mile	11036295	40 mile	11488570C	40 mile
11518549	40 mile	11562562	40 mile	11645063	40 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							
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Job

Formation Name					Job Times			
Formation Depth (MD)	Top	Bottom			Called Out	Date	Time	Time Zone
Form Type		BHST			On Location	15 - Dec - 2012	04:00	MST
Job depth MD	1813. ft	Job Depth TVD	1813. ft		Job Started	15 - Dec - 2012	19:15	MST
Water Depth		Wk Ht Above Floor	6. ft		Job Completed	16 - Dec - 2012	00:20	MST
Perforation Depth (MD)	From	To			Job Completed	16 - Dec - 2012	02:45	MST
					Departed Loc	16 - Dec - 2012	03:30	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
12-1/4" Open Hole				12.25				.	1813.		
9-5/8" Casing	Unknown		9.625	8.921	36.	STC	J-55	.	1807.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CMT SURFACE CASING BOM	0	JOB		
SHOE,FLT,9-5/8 8RD,2-3/4 SUPER SEAL	1	EA		
CLR,FLT,9-5/8 8RD 29.3-40PPF,2-3/4	1	EA		
CENTRALIZER-9-5/8"-CSG-12 1/4"-HINGED	25	EA		
COLLAR-STOP-9 5/8"-FRICTION-HINGED	1	EA		
Description	Qty	Qty uom	Depth	Supplier

KIT,HALL WELD-A					1	EA			
MILEAGE FOR CEMENTING CREW,ZI					100	MI			
ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON					100	MI			
Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water Spacer		40.00	bbl	8.33	.0	42.0	5.0	
2	SwiftCem B2	SWIFTCEM (TM) SYSTEM (452990)	390.0	sacks	12.	2.56	15.09	5.0	15.09
	15.086 Gal	FRESH WATER							
3	SwiftCem B2	SWIFTCEM (TM) SYSTEM (452990)	299.0	sacks	13.	2.01	10.99	5.0	10.99
	10.989 Gal	FRESH WATER							
The Information Stated Herein Is Correct					Customer Representative Signature				

