

**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
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	%	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

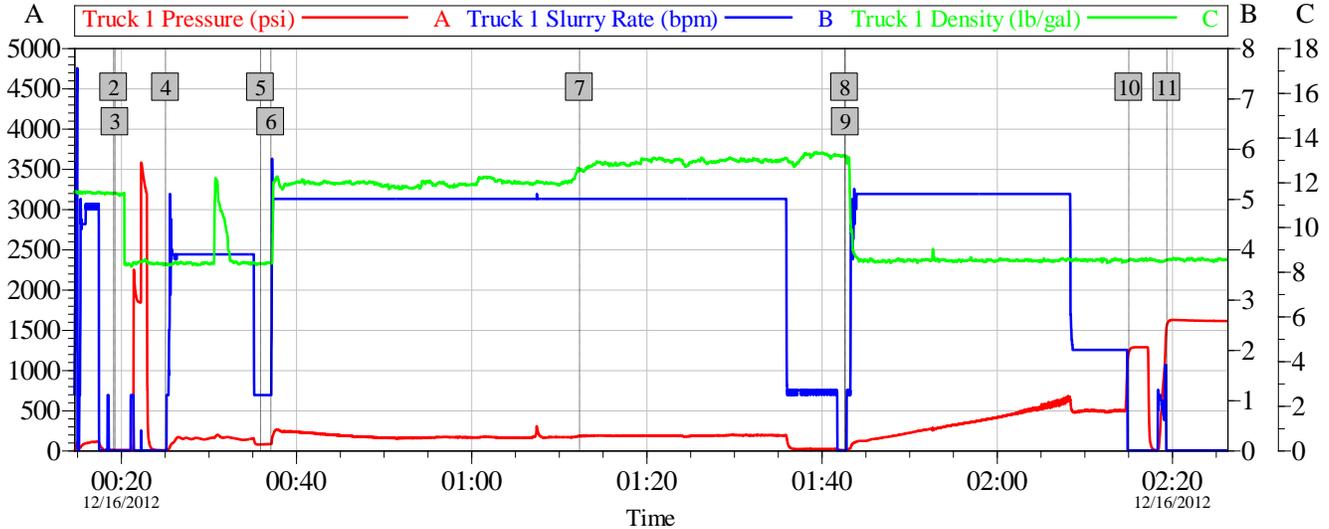
Stage/Plug # 1 Fluid 3: SwiftCem B2
SWIFTCEM (TM) SYSTEM

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

HALLIBURTON

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	2.600	2	Start Job	00:19:11	7.000	0.000	11.50
3	Test Lines	00:19:20	6.000	0.000	11.52	4	Pump Spacer 1	00:25:07	2.091	0.000	8.300
5	Drop Bottom Plug	00:35:57	75.00	1.100	8.380	6	Pump Lead Cement	00:37:08	78.00	1.100	8.390
7	Pump Tail Cement	01:12:22	178.1	5.000	12.54	8	Drop Top Plug	01:42:39	3.000	0.000	13.17
9	Pump Displacement	01:42:44	3.000	0.000	13.14	10	Bump Plug	02:15:05	1224	0.000	8.480
11	Other	02:19:26	1551	0.000	8.510	12	End Job	02:42:42	1.000	0.000	8.487
13	Ending Job	02:42:50	-1.000	0.000	8.530						

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 SWIFTCEM 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 SWIFTCEM 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						
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

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					15 - Dec - 2012	04:00	MST
Form Type			BHST	On Location	15 - Dec - 2012	19:15	MST
Job depth MD	1813. ft		Job Depth TVD	1813. ft	Job Started	16 - Dec - 2012	00:20
Water Depth			Wk Ht Above Floor	6. ft	Job Completed	16 - Dec - 2012	02:45
Perforation Depth (MD)	<i>From</i>		<i>To</i>		Departed Loc	16 - Dec - 2012	03:30

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 ft ³ /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							

<i>The Information Stated Herein Is Correct</i>	Customer Representative Signature
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