HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 352431	**Ship To #:** 2976302	**Quote #:**	**Sales Order #:** 900199136
Customer: CONOCO/PHILLIPS COMPANY EBUSINESS		**Customer Rep:** PEREZ, RICHARD	
Well Name: Tebo 1	**Well #:** 1H		**API/UWI #:** 05-005-07199
Field:	**City (SAP):** BENNETT	**County/Parish:** Arapahoe	**State:** Colorado
Lat: N 39.649 deg. OR N 39 deg. 38 min. 57.239 secs.		**Long:** W 104.492 deg. OR W -105 deg. 30 min. 28.85 secs.	
Job Purpose: Plug Service - Whipstock			
Well Type: Development Well	**Job Type:** Plug Service - Whipstock		
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 #
BULINSKI, MATTHEW J	8	483865	HOLMES, ANDREW Malcom	8	520802	IPSON, TIMOTHY J	8	485018
JEWELL, WILLIAM Uris	8	503358	MARKOVICH, STEVEN Michael	8	502964	WHEELER, JUSTIN W	8	196470

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10679720C	50 mile	10857012C	50 mile	11036301	50 mile	11542577	50 mile
11542778	50 mile	11605598	50 mile	11605599	50 mile	11645065	50 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
1-6-13	8	1.5						
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name			
Formation Depth (MD)	**Top**	**Bottom**	
Form Type		**BHST**	
Job depth MD	7935. ft	**Job Depth TVD**	
Water Depth		**Wk Ht Above Floor**	
Perforation Depth (MD)	**From**	**To**	

Job Times

	Date	Time	Time Zone
Called Out	06 - Feb - 2013	04:00	MST
On Location	06 - Feb - 2013	08:30	MST
Job Started	06 - Feb - 2013	14:19	MST
Job Completed	06 - Feb - 2013	15:37	MST
Departed Loc	06 - Feb - 2013	16:45	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
8-3/4" Pilot Hole				8.75				1820.	7682.		
9-5/8" Casing	Unknown		9.625	8.921	36.	STC	J-55	.	1820.		
4" Drill Pipe	Unknown		4.	3.34	14.			.	6028.		
4" HWDP	Unknown		4.	2.	29.			6028.	6683.		
OH Whipstock Assembly	Unknown		6.625	2.				6683.	6698.		
2-7/8" Tubing	Unknown		2.875	2.441	6.4			6698.	7682.		

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

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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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Clean Spacer III		40.00	bbl	.09	135.1	6394.79	.0	
	0.5 gal/bbl	MUSOL(R) A, 5 GAL PAIL (100064220)							
	0.5 gal/bbl	SEM-7, 5 GAL PAIL (100003860)							
2	PlugCem	PLUGCEM (TM) SYSTEM (452969)	310.0	sacks	15.8	1.52	6.19		6.19
	6.19 Gal	FRESH WATER							

Calculated Values		Pressures		Volumes					
Displacement	55	Shut In: Instant		Lost Returns	0	Cement Slurry	84	Pad	
Top Of Cement	6787	5 Min		Cement Returns	0	Actual Displacement	58	Treatment	
Frac Gradient		15 Min		Spacers	40	Load and Breakdown		Total Job	179

Rates

Circulating	3	Mixing	5	Displacement	5	Avg. Job	4

Cement Left In Pipe	Amount	ft	Reason										
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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Cementing Job Log

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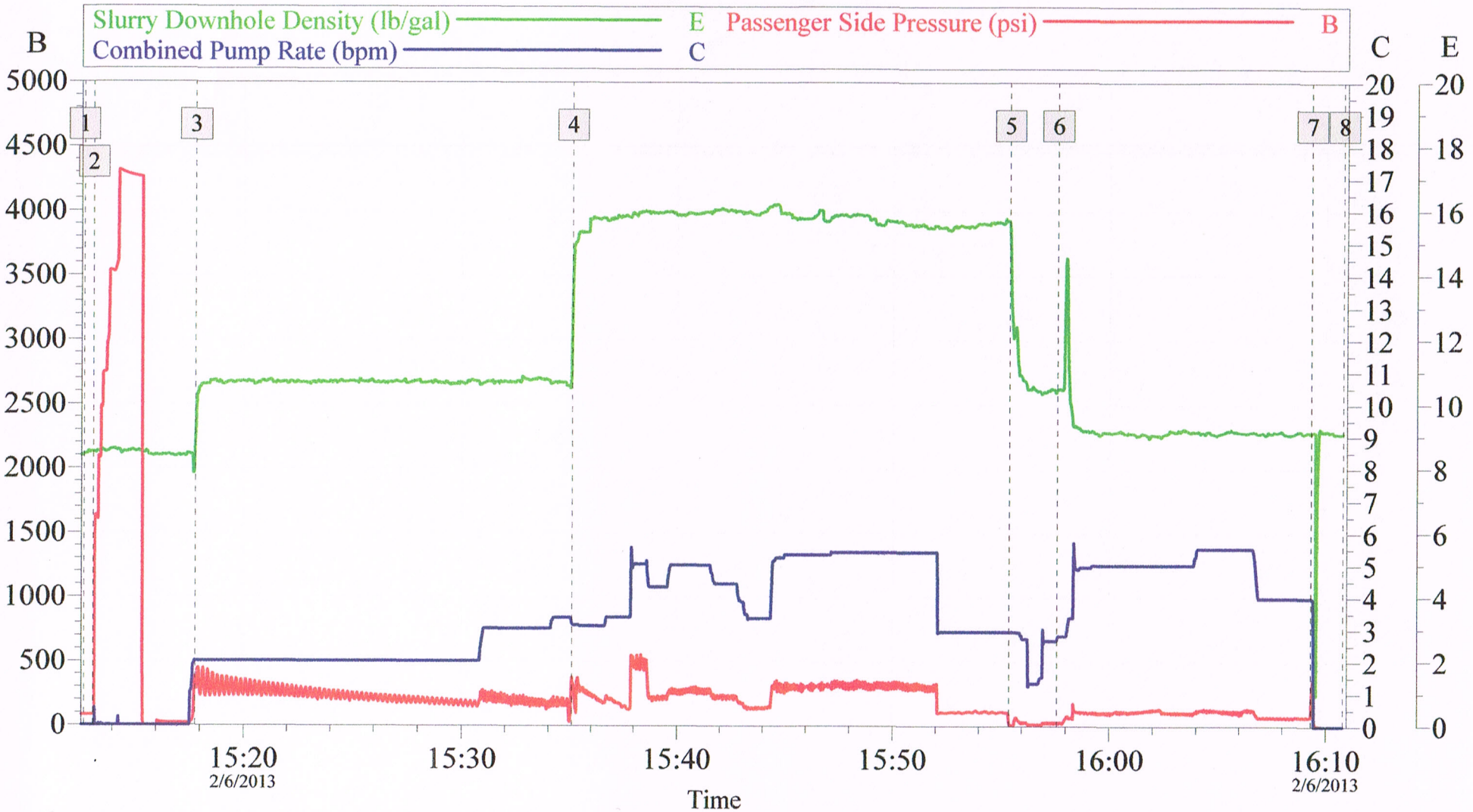
Field:	**City (SAP):** BENNETT	**County/Parish:** Arapahoe	**State:** Colorado
Legal Description:			
Lat: N 39.649 deg. OR N 39 deg. 38 min. 57.239 secs.		**Long:** W 104.492 deg. OR W -105 deg. 30 min. 28.85 secs.	
Contractor:	**Rig/Platform Name/Num:** H&P 280		
Job Purpose: Plug Service - Whipstock			**Ticket Amount:**
Well Type: Development Well	**Job Type:** Plug Service - Whipstock		
Sales Person: AARON, WESLEY	**Srvc Supervisor:** BULINSKI, MATTHEW		**MBU ID Emp #:** 483865

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl Stage	Volume bbl Total	Pressure psig Tubing	Pressure psig Casing	Comments
Arrive at Location from Service Center	02/06/2013 08:30							Tested Mix water from frac tank and tested good
Assessment Of Location Safety Meeting	02/06/2013 08:40							Hazard Hunt on Location before spotting in trucks
Safety Meeting - Pre Rig-Up	02/06/2013 08:50							Saftey huddle on rig up on ground to rig
Safety Meeting - Pre Job	02/06/2013 11:30							Saftey JSA with rig crew on job and rig up to rig
Start Job	02/06/2013 15:12							
Test Lines	02/06/2013 15:13							4000psi Pressure test lines to rig floor
Pump Spacer 1	02/06/2013 15:17		3	35			112.0	35bbls 10.5ppg// 3.86yield// 24.21gal/sk using rig water vertify by pressurized mud scales
Pump Cement	02/06/2013 15:35		5	84	119		138.0	310sks PlugCem 15.8ppg// 1.52yield// 6.19gal/sk using rig water vertify by pressurized mud scales
Pump Spacer 1	02/06/2013 15:55		3	5	124		125.0	5bbls 10.5ppg spacer behinde to
Pump Displacement	02/06/2013 15:57		5	55	179		110.0	Good returns throughout 55bbls into displacment psi spike then shutdown released psi to balance
End Job	02/06/2013 16:10							
Safety Meeting - Pre Rig-Down	02/06/2013 16:12							Saftey Huddle with rig hands before rigging down
Safety Meeting - Departing Location	02/06/2013 17:00							Saftey JSA departing location back to Brighton Yard

Conoco Phillips Tebo 1-1H

WhipStock Plug



Global Event Log

1	Start Job	15:12:40	2	Test Lines	15:13:06	3	Spacer	15:17:47
4	Cmt	15:35:06	5	Spacer	15:55:24	6	Displacment	15:57:36
7	Shutdown	16:09:19	8	End Job	16:10:47			

OptiCem v6.4.10
06-Feb-13 16:21