

**TEKTON WINDSOR LLC  
200 PLAZA DR STE 100  
HIGHLANDS RANCH, Colorado**

Diamond Valley East #7

Frontier 8

## **Post Job Summary** **Cement Intermediate Casing**

Date Prepared: 7/9/2014  
Version: 1

Service Supervisor: BULINSKI, MATTHEW

Submitted by: ESTENSSORO, SEBASTIAN

**HALLIBURTON**

## Wellbore Geometry

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Job Tubulars					MD		TVD		Shoe Joint Length ft
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	Top ft	Bottom ft	
Casing	Surface Casing	9.63	8.921	36.00	0.00	565.00			20.00
Open Hole Section	8-3/4" Open Hole		8.750		565.00	7,593.00	565.00	7,167.00	
Casing	Intermediate Casing	7.00	6.276	26.00	0.00	7,593.00	0.00	7,167.00	42.00

# HALLIBURTON

## ***Pumping Schedule***

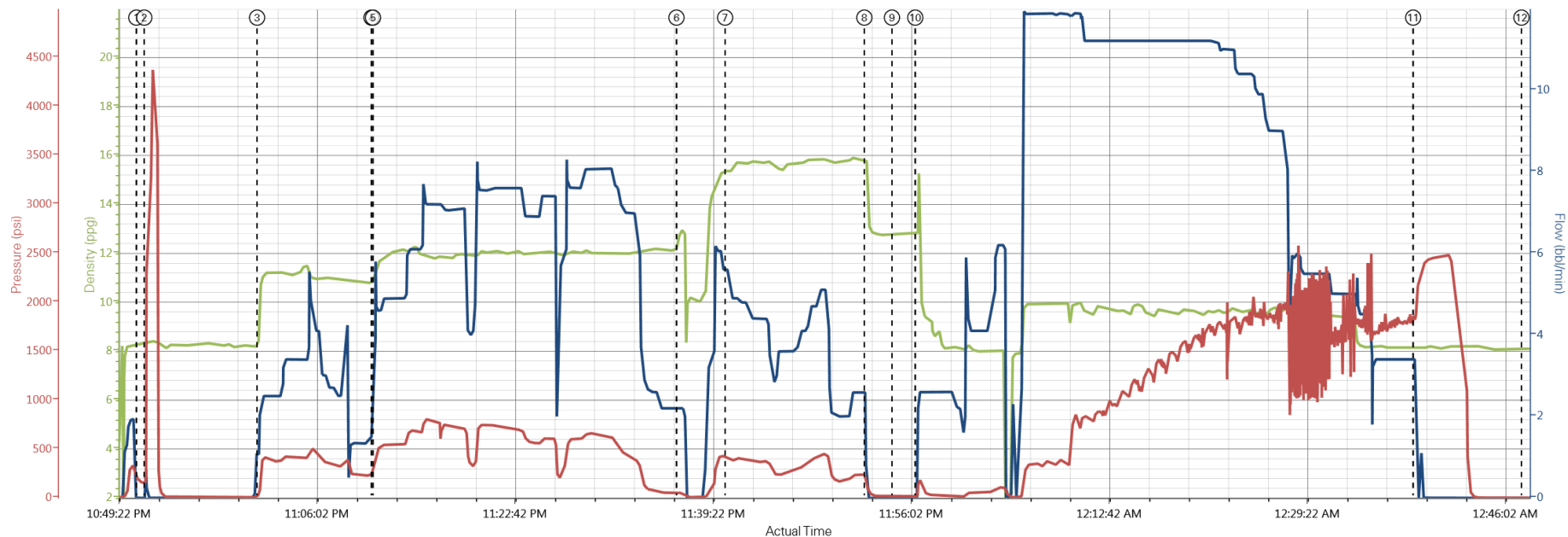
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Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	Clean Spacer III	10.50	4.00	30.0 bbl	30.0 bbl
1	2	Cement Slurry	ExtendaCem B2	12.00	7.00	465.0 sacks	465.0 sacks
1	3	Cement Slurry	HalCem B1	15.80	4.00	180.0 sacks	180.0 sacks
1	4	Spacer	Displacement	9.50	8.00	288.0 bbl	288.0 bbl

# HALLIBURTON

## Data Acquisition

Tekton Windsor LLC Diamond Valley East #7 Intermediate 1-22-14



DH Density (ppg) Comb Pump Rate (bbl/min) PS Pump Press (psi)

① Start Job 8:31;0,174    ④ Drop Bottom Plug 11:06;2.8;310    ⑦ Pump Tail Cement 15:35;5.6;407    ⑩ Pump Displacement 12:84;1.8;103  
 ② Test Lines 8:3;0,2529    ⑤ Pump Lead Cement 11:31;5.8;391    ⑧ Shutdown 15:77;0,129    ⑪ Bump Plug 8:13;3.4;1865  
 ③ Pump Spacer 19:87;2,74    ⑥ Shutdown 12:7;2.2;52    ⑨ Drop Top Plug 12:83;0,17    ⑫ End Job 8:13;0,1

▲ HALLIBURTON | iCem® Service

Created: 2014-01-22 18:19:48, Version: 3.0.121

Edit

# HALLIBURTON

## Service Supervisor Reports

### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)	Comments
01/22/2014 12:30		Call Out						
01/22/2014 14:30		Depart Yard Safety Meeting						JSA on Job materials, pre-tripping trucks, and driving to location
01/22/2014 17:00		Arrive at Location from Service Center						Arrived 1hr early and rig has 2000' of csg to run... Finished running Csg at 1945 and started rigging down Csg crew.. Will circulate 1hr
01/22/2014 17:05		Assessment Of Location Safety Meeting						Hazard Hunt on location before spotting in trucks
01/22/2014 17:15		Safety Meeting - Pre Rig-Up						JSA on rigging up bulk trucks and iron to rig
01/22/2014 17:30		Rig-Up Equipment						
01/22/2014 18:15		Rig-Up Completed						
01/22/2014 22:15		Safety Meeting - Pre Job						JSA with company man, rig hands, and HES hands on pump schedule
01/22/2014 22:51		Start Job						
01/22/2014 22:51		Test Lines						4500psi Pressure Test Lines to Rig floor
01/22/2014 23:01		Pump Spacer 1	4	30			411.0	30bbl Clean Spacer 11ppg, 3.13yield, 18.78gal/sk, Mixed with rig water and # verify by pressurized mud scales
01/22/2014 23:10		Drop Bottom Plug						Pre-Loaded
01/22/2014 23:10		Pump Lead Cement	7	164.8			730.0	465sks ExtendaCem, 12ppg, 1.99yield, 10.64gal/sk, Mixed with rig water and # verify by pressurized mud scales
01/22/2014 23:40		Pump Tail Cement	4	48.7			470.0	180sks Halcem, 15.8ppg, 1.52yield, 6.19gal/sk, Mixed with rig water and # verify by pressurized mud scales
01/22/2014 23:52		Shutdown						
01/22/2014 23:54		Drop Top Plug						Pre-Loaded
01/22/2014 23:56		Pump Displacement	8	288			1800.0	288bbls Mud Displacement, Good returns throughout... 15bbls Cmt to surface
01/23/2014 00:38		Bump Plug	3				1865.0	Slowed down last 20bbls to 3bbl/min to bump.. Plug landed at 1865psi and brought to 2453psi for 2mins
01/23/2014 00:41		Check Floats						Floats Held
01/23/2014 00:47		End Job						
01/23/2014 00:48		Safety Meeting - Pre Rig-Down						JSA on rigging down bulk trucks and iron from rig
01/23/2014 01:00		Rig-Down Equipment						
01/23/2014 02:15		Rig-Down Completed						
01/23/2014 02:30		Safety Meeting - Departing Location						JSA on location walk around, pre-tripping trucks, and driving back to Brighton yard



## Cementing Job Summary

## ***The Road to Excellence Starts with Safety***

<b>Sold To #:</b> 369105	<b>Ship To #:</b> 3277052	<b>Quote #:</b>	<b>Sales Order #:</b> 901053393
<b>Customer:</b> TEKTON WINDSOR LLC		<b>Customer Rep:</b> Mosnesi, Arvid	
<b>Well Name:</b> Diamond Valley East	<b>Well #:</b> #7	<b>API/UWI #:</b> 05-123-38567	
<b>Field:</b> WATTENBERG	<b>City (SAP):</b> SEVERANCE	<b>County/Parish:</b> Weld	<b>State:</b> Colorado
<b>Lat:</b> N 41.468 deg. OR N 41 deg. 28 min. 4.8 secs.		<b>Long:</b> W 104.87 deg. OR W -105 deg. 7 min. 48 secs.	
<b>Contractor:</b> Frontier		<b>Rig/Platform Name/Num:</b> Frontier 8	
<b>Job Purpose:</b> Cement Intermediate Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Intermediate Casing	
<b>Sales Person:</b> GROFF, THEODORE		<b>Srvs Supervisor:</b> BULINSKI, MATTHEW	<b>MBU ID Emp #:</b> 483865

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ALVAREZ, BRANDON Paul	0.0	555850	BULINSKI, MATTHEW J	0.0	483865	GLEESON, JAY Christophe	0.0	560216
MYRE, JAMES	0.0	549859	NESBITT, ROY Iverson	0.0	537416	Rood, Travis	0.0	561971
SIMMONS, KEATON J	0.0	524850						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248062C	30 mile	10867419C	30 mile	11019275	30 mile	11360865C	30 mile
11542778	30 mile	11605598	30 mile	11764052	30 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
Formation Depth (MD)	Top				Bottom		Called Out	22 - Jan - 2014	12:30	MST
Form Type					BHST		On Location	22 - Jan - 2014	17:00	MST
Job depth MD	7593. ft				Job Depth TVD	7167. ft	Job Started	22 - Jan - 2014	22:51	MST
Water Depth					Wk Ht Above Floor		Job Completed	23 - Jan - 2014	00:47	MST
Perforation Depth (MD)	From				To		Departed Loc	23 - Jan - 2014	02:30	MST

## Well Data

<i>Description</i>	<b>New / Used</b>	<b>Max pressure psig</b>	<b>Size in</b>	<b>ID in</b>	<b>Weight lbm/ft</b>	<b>Thread</b>	<b>Grade</b>	<b>Top MD ft</b>	<b>Bottom MD ft</b>	<b>Top TVD ft</b>	<b>Bottom TVD ft</b>
8-3/4" Open Hole				8.75				565.	7593.	565.	7167.
Intermediate Casing	Unknown		7.	6.276	26.			.	7593.	.	7167.
Surface Casing	Unknown		9.625	8.921	36.			.	565.		

**Sales/Rental/3<sup>rd</sup> Party (HES)**

Description	Qty	Qty uom	Depth	Supplier
SHOE,FLT,7 8RD,2-3/4 SS II VLV	1	EA		
Description	Qty	Qty uom	Depth	Supplier

Summit  
Version:

Wednesday, July 09, 2014 10:44:00

CLR,FLT,7 8RD 17-26PPF,2-3/4SSII	1	EA		
CTRZR ASSY,API,7 CSG X 8 3/4HOLE,HNGD	100	EA		
CENTRALISER SLIDER II,#0700-0834S	20	EA		
CLAMP - LIMIT - 7 - HINGED -	1	EA		
KIT,HALL WELD-A	1	EA		
PLUG,CMTG,TOP,7,HWE,5.66 MIN/6.54 MAX CS	1	EA		
PLUG,CMTG,BOT,7,HWE,5.66 MIN/6.54 MAX CS	1	EA		

### 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		30.00	bbl	10.5	3.13	18.78	4.0	
2	ExtendaCem B2	EXTENDACEM (TM) SYSTEM (452981)	465.0	sacks	12.	1.99	10.64	7.0	10.64
	10.64 Gal	FRESH WATER							
3	HalCem B1	HALCEM (TM) SYSTEM (452986)	180.0	sacks	15.8	1.52	6.19	4.0	6.19
	6.19 Gal	FRESH WATER							
4	Displacement		288.0	bbl	9.5			8.0	

The Information Stated Herein Is Correct	Customer Representative Signature
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