

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

DIAMOND VALLEY EAST 4

FRONTIER 8

Post Job Summary

Cement Intermediate Casing

Date Prepared: 7/9/2014
Version: 1

Service Supervisor: CARPENTER, LANCE

Submitted by: LANSDALE, JUSTIN

HALLIBURTON

HALLIBURTON

Wellbore Geometry

Job Tubulars					MD		TVD		Excess %
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	500.00			0.00
Open Hole Section	8-3/4" Open Hole		8.750		500.00	7,583.00	500.00	7,300.00	0.00
Casing	Intermediate Casing	7.00	6.276	26.00	0.00	7,583.00	0.00	7,300.00	0.00

HALLIBURTON

Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume
1	1	Spacer	Clean Spacer III	10.50	4	30.0 bbl
1	2	Cement Slurry	12.5# Lead Cement	12.00	5	445.0 sacks
1	3	Cement Slurry	15.8# Cement	15.80	4.5	175.0 sacks
1	4	Spacer	Displacement	9.50	3.5	291.0 bbl

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
01/27/2014 03:00		Call Out					CREW IS CALLED OUT
01/27/2014 04:45		Comment					BODY LOAD BULK TRUCK HAS DOT ISSUES AND IS TAKEN TO THE MECHANICS.
01/27/2014 07:00		Pre-Convoy Safety Meeting					CREW HAS JOURNEY MANAGEMENT SAFETY MEETING
01/27/2014 07:10		Depart from Service Center or Other Site					CREW DEPARTS FOR LOCATION
01/27/2014 08:15		Arrive At Loc					CREW ARRIVES AT LOCATION. CASING AT 6400'.
01/27/2014 08:25		Assessment Of Location Safety Meeting					CREW ASSESSES LOCATION FOR HAZARDS AND EQUIPMENT LAYOUT
01/27/2014 09:00		Rig-Up Equipment					CREW BEGINS SPOTTING EQUIPMENT AND RIGGING UP
01/27/2014 09:20		Comment					PACKOFF ON CRT IS OVER PRESSURED AND RUPTURES. RIG CREW AND CASING CREW REPLACE AND CONTINUE RUNNING PIPE
01/27/2014 13:00		Casing on Bottom					CASING ON BOTTOM. CASING CREW BEGINS RIGGING DOWN AND RIG CIRCULATES THROUGH CRT.
01/27/2014 14:00		Rig-Up Completed					CREW IS RIGGED UP AND READY TO BEGIN. RIG CIRCULATES THROUGH PLUG CONTAINER. TOP PLUG PROVIDED BY COMPANY REP.
01/27/2014 14:15		Pre-Rig Up Safety Meeting					CREW, RIG CREW AND COMPANY REP HAVE PRE JOB SAFETY MEETING
01/27/2014 14:39		Prime Pumps					PRIME PUMPS AND TIE BALES TO THE PLUG CONTAINER.
01/27/2014 14:57		Pump Spacer					PUMP CLEAN SPACER 10.5# 3.86 YIELD 24.21 GAL
01/27/2014 15:04		Pressure Test					PRESSURE TEST LINES TO 4500 PSI
01/27/2014 15:07		Pump Spacer					FINISH PUMPING CLEAN SPACER 10.5# 3.86 YIELD 24.21 GAL
01/27/2014 15:11		Comment					ROAD ENGINE ON PUMP SHUTS OFF. TRUCK RESTARTED AND BURN ATTEMPTED.
01/27/2014 15:17		Shutdown					SHUTDOWN TO MIX LEAD CEMENT
01/27/2014 15:22		Pump Lead Cement					PUMP LEAD CEMENT 12# 1.99 YIELD 10.64 GAL 295 SKS
01/27/2014 15:46		Shutdown					ROAD MOTOR ON PUMP SHUTS OFF. SEVERAL ATTEMPTS MADE TO GET RUNNING OR DO A REGEN WERE UNSUCCESSFUL..
01/27/2014 16:15		Circulate Well					RECOMMENDED CIRCULATING WELL. PUMP WOULD NOT RUN LONGER THAN 1 MINUTE. HOOKED UP RIG LINES TO OUR GROUND LINES AND BEGIN CIRCULATION THROUGH OUR LINES AND PLUG CONTAINER.
01/27/2014 16:30		Comment					BULK TRUCKS DEPART TO GET RELOADED WITH CEMENT AND SPACER
01/27/2014 17:10		Cement Returns to Surface					CEMENT COMING BACK TO SURFACE. RIG PUMPING SLOW BUT CEMENT MOVING GOOD STILL.
01/27/2014 17:15		Comment					CAT MECHANIC ARRIVES AND DIAGNOSES TRUCK AND FORCES REGEN.

HALLIBURTON

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
01/28/2014 00:30		Comment					NEW PUMP AND BULK TRUCKS ARRIVE ON LOCATION.
01/28/2014 00:40		Pre-Rig Up Safety Meeting					CREW HAS PRE RIG UP SAFETY MEETING
01/28/2014 00:50		Rig-Up Equipment					CREW BEGINS RIGGING UP EQUIPMENT
01/28/2014 02:30		Pre-Job Safety Meeting					CREW, RIG CREW AND COMPANY REP HAVE PRE JOB SAFETY MEETING
01/28/2014 03:40		Pump Spacer	2	10		400.0	PUMP CLEAN SPACER 10.5# 3.86 YIELD 24.21 GAL
01/28/2014 03:48		Pressure Test					PRESSURE TEST LINES TO 4000 PSI
01/28/2014 03:51		Pump Spacer	4	20		650.0	PUMP CLEAN SPACER 10.5# 3.86 YIELD 24.21 GAL
01/28/2014 04:02		Pump Lead Cement	5	157		800.0	PUMP LEAD CEMENT 12# 1.99 YIELD 6.19 GAL 445 SKS
01/28/2014 04:31		Pump Tail Cement	4.5	47		950.0	PUMP TAIL CEMENT 15.8# 1.52 YIELD 6.19 GAL 175 SKS
01/28/2014 04:45		Shutdown					SHUTDOWN. DROP TOP PLUG
01/28/2014 04:49		Pump Displacement	3.5	291		1510.0	PUMP DISPLACEMENT. WASH UP ON TOP OF PLUG. DISPLACED WITH 10.4# MUD. COULD ONLY GET MUD AT 3.5BBL/MIN
01/28/2014 06:28		Bump Plug					BUMP PLUG. FINAL CIRCULATING PSI 1540. TOOK 500 OVER.
01/28/2014 16:30		Check Floats					CHECK FLOATS. RECIRC LINE FROZEN. HAD TO USE STEAM ON RECIRC LINE.
01/28/2014 16:38		Check Floats					ACTUALLY CHECKED FLOATS. FLOATS HELD. 2 BBL BACK.
01/28/2014 16:45		Post-Job Safety Meeting (Pre Rig-Down)					CREW HAS PRE RIG DOWN SAFETY MEETING
01/28/2014 16:50		Rig-Down Equipment					CREW BEGINS RIGGING DOWN EQUIPMENT
01/28/2014 18:15		Rig-Down Completed					CREW IS RIGGED DOWN
01/28/2014 18:20		Pre-Convoy Safety Meeting					CREW HAS JOURNEY MANAGEMENT SAFETY MEETING
01/28/2014 18:30		Depart Location for Service Center or Other Site					CREW DEPARTS FROM LOCATION

The Road to Excellence Starts with Safety

Sold To #: 369105	Ship To #: 3207560	Quote #:	Sales Order #: 901071203
Customer: TEKTON WINDSOR LLC		Customer Rep: MOSNESI, ARVID	
Well Name: DIAMOND VALLEY EAST		Well #: 4	API/UWI #: 05-123-38499
Field: WATTENBERG	City (SAP): WINDSOR	County/Parish: Weld	State: Colorado
Lat: N 40.468 deg. OR N 40 deg. 28 min. 4.8 secs.		Long: W 104.87 deg. OR W -105 deg. 7 min. 48 secs.	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: GREGORY, JON		Srvc Supervisor: CARPENTER, LANCE	MBU ID Emp #: 461737

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ALVEREZ, BRANDON	0.0	555850	CARPENTER, LANCE S	0.0	461737	HAVILI, ETUATE S	0.0	522123
MYRE, JAMES	0.0	549859	STIELER, KENT	0.0	554541			

Equipment

HES Unit #	Distance-1 way						
10246780C	40 mile	10248053C	40 mile	10951248	40 mile	10972458	40 mile
10988836	40 mile	11019275	40 mile	11501021	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
					27 - Jan - 2014	03:00	MST
Form Type			BHST	On Location	27 - Jan - 2014	08:15	MST
Job depth MD	7583. ft		Job Depth TVD	Job Started	27 - Jan - 2014	03:30	MST
Water Depth			Wk Ht Above Floor	Job Completed	28 - Jan - 2014	06:40	MST
Perforation Depth (MD)	<i>From</i>		<i>To</i>	Departed Loc	28 - Jan - 2014	08:30	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
8-3/4" Open Hole				8.75				500.	7583.	500.	7300.
Intermediate Casing	Unknown		7.	6.276	26.			.	7583.	.	7300.
Surface Casing	Unknown		9.625	8.921	36.			.	500.		

Sales/Rental/3rd Party (HES)

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

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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Clean Spacer III		30.00	bbl	10.5	3.86	24.21		
2	12.5# Lead Cement	EXTENDACEM (TM) SYSTEM (452981)	445.0	sacks	12.	1.99	10.64		10.64
	10.64 Gal	FRESH WATER							
3	15.8# Cement	HALCEM (TM) SYSTEM (452986)	175.0	sacks	15.8	1.52	6.19		6.19
	6.19 Gal	FRESH WATER							
4	Displacement		291.00	bbl	9.5				

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