

**GREAT WESTERN OIL & GAS LLC  
503 MAIN ST  
WINDSOR, Colorado**

TAILHOLT FD 11-378 HC

**Xtreme 17**

**Post Job Summary**  
**Cement Surface Casing**

Date Prepared: 2/6/2014  
Version: 1

Service Supervisor: SMITH, AARON

Submitted by: TRIER, DEREK

# HALLIBURTON

## Wellbore Geometry

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Job Tubulars					MD	
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft
Open Hole Section	Open Hole		13.500		0.00	1067.00
Casing	Surface Casing	9.63	8.921	36.00	0.00	1067.00

# HALLIBURTON

## ***Pumping Schedule***

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<b>Stage /Plug #</b>	<b>Fluid #</b>	<b>Fluid Type</b>	<b>Fluid Name</b>	<b>Surface Density lbm/gal</b>	<b>Avg Rate bbl/min</b>	<b>Surface Volume</b>	<b>Downhole Volume</b>
1	1	Spacer	Dyed Fresh Water	8.33	3.00	10.0 bbl	10.0 bbl
1	2	Spacer	Water Spacer	8.33	3.00	30.0 bbl	30.0 bbl
1	3	Cement Slurry	SwiftCem B2	13.50	4.00	319.0 sacks	319.0 sacks
1	4	Spacer	Displacement	8.33	5.00	77.5 bbl	77.5 bbl
1	3	Cement Slurry	TOPOUT SwiftCem B2	13.50	0.50	9.0 sacks	9.0 sacks

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 346459	<b>Ship To #:</b> 3265112	<b>Quote #:</b>	<b>Sales Order #:</b> 901070037
<b>Customer:</b> GREAT WESTERN OIL & GAS LLC		<b>Customer Rep:</b> Lofton, Jeff	
<b>Well Name:</b> TAILHOLT FD		<b>Well #:</b> 11-378 HC	<b>API/UWI #:</b>
<b>Field:</b> WATTENBERG	<b>City (SAP):</b> WINDSOR	<b>County/Parish:</b> Weld	<b>State:</b> Colorado
<b>Contractor:</b> Xtreme		<b>Rig/Platform Name/Num:</b> XTREME 17	
<b>Job Purpose:</b> Cement Surface Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> GREGORY, JON		<b>Srvc Supervisor:</b> SMITH, AARON	<b>MBU ID Emp #:</b> 518187

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DA COSTA, CHARLES Angelo	18.0	551308	DODSON, RICHARD Bryan	18.0	518192	ROOD, TRAVIS James	18.0	561971
SMITH, AARON David	18.0	518187	TOWNSON, JUSTIN T	18.0	555407			

### Equipment

HES Unit #	Distance-1 way						
11064046	45 mile	11106651	45 mile	11341988C	45 mile	12010173	45 mile

### Job

### Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					29 - Jan - 2014	06:00	MST
<b>Form Type</b>			<b>BHST</b>	<b>On Location</b>	29 - Jan - 2014	10:00	MST
<b>Job depth MD</b>	1067. ft		<b>Job Depth TVD</b>	1067. ft	<b>Job Started</b>	29 - Jan - 2014	15:08
<b>Water Depth</b>			<b>Wk Ht Above Floor</b>		<b>Job Completed</b>	30 - Jan - 2014	03:00
<b>Perforation Depth (MD)</b>	<i>From</i>		<i>To</i>		<b>Departed Loc</b>	29 - Jan - 2014	04:00

### 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

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

Description	Qty	Qty uom	Depth	Supplier
CMT CASING EQUIPMENT BOM	1	JOB		
MILEAGE FOR CEMENTING CREW,ZI	45	MI		
ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	45	MI		
SHOE,FLT,TROPHY SEAL,9 5/8 8RD	1	EA		
CLR,FLT,9-5/8 8RD 29.3-40PPF,2-3/4	1	EA		
COLLAR-STOP-9 5/8"-FRICTION-HINGED	1	EA		
CENTRALIZER-9-5/8"-CSG-12 1/4"-HINGED	10	EA		
KIT,HALL WELD-A	2	EA		
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA		
SHOE,FLT,7 8RD,2-3/4 SS II VLV	1	EA		
Description	Qty	Qty uom	Depth	Supplier
CLR,FLT,7 LG 8RD 23-26PPF,2-3/4	1	EA		
CLAMP - LIMIT - 7 - HINGED -	1	EA		
PLUG,CMTG,TOP,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 <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Dyed Fresh Water		10.00	bbl	8.33			3.0	
2	Water Spacer		30.00	bbl	8.33			3.0	
3	SwiftCem B2	SWIFTCEM (TM) SYSTEM (452990)	319.0	sacks	13.5	1.76	9.25	4.0	9.25
	9.25 Gal	FRESH WATER							
4	Displacement		77.5	bbl	8.33			5.0	
3	SwiftCem B2	SWIFTCEM (TM) SYSTEM (452990)	9.0	sacks	13.5	1.76	9.25	0.5	9.25
	9.25 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	77.5	Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns	0.0	Actual Displacement	77.5	Treatment	
Frac Gradient		15 Min		Spacers	40.0	Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement	5.0	Avg. Job			
Cement Left In Pipe	Amount	0 ft	Reason	Shoe Joint					
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					

# HALLIBURTON

## Service Supervisor Reports

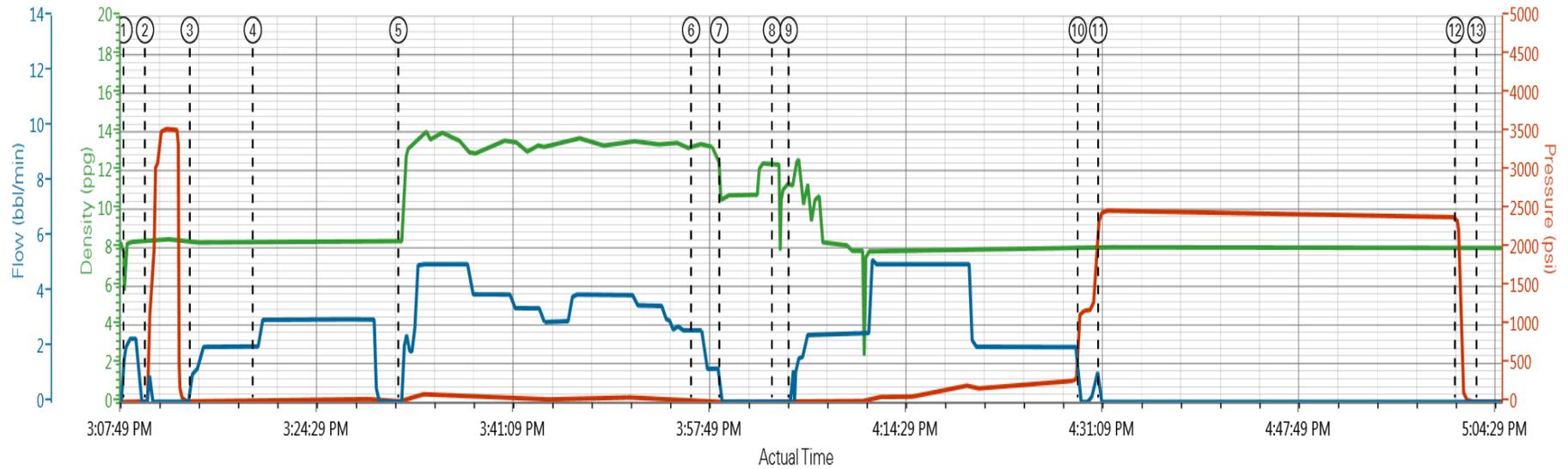
### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
01/29/2014 10:00		Arrive at Location from Service Center					WITH ALL EQUIPMENT AND MATERIALS, RIG STILL RUNNING CASING
01/29/2014 10:15		Assessment Of Location Safety Meeting					
01/29/2014 10:29		Pre-Rig Up Safety Meeting					RIG-UP JSA
01/29/2014 10:30		Rig-Up Equipment					
01/29/2014 10:50		Rig-Up Completed					
01/29/2014 13:15		Casing on Bottom					
01/29/2014 13:30		Circulate Well					
01/29/2014 14:30		Pre-Job Safety Meeting					WITH CUSTOMER REP AND RIG CREW
01/29/2014 15:08		Start Job					
01/29/2014 15:10		Test Lines				2500.0	FRESH WATER WITH NO ADDITIVES
01/29/2014 15:13		Pump Spacer 1	3	10		90.0	FRESH WATER WITH POLY-FLAKE
01/29/2014 15:19		Pump Spacer 2	3	30		90.0	FRESH WATER WITH NO ADDITIVES
01/29/2014 15:31		Pump Cement	4	100		125.0	319 SKS SWIFTCEM B1 @ 13.5 PPG 1.76 YIELD, 9.25 GAL/SK
01/29/2014 15:56		Spacer Returns to Surface					@100 BBLS INTO CEMENT, 40BBLS TO THE PIT
01/29/2014 15:58		Shutdown					SHUTDOWN AT FIRST SIGHT OF SPACER AT CUSTOMER REPS REQUEST TO DROP PLUG FROM WHERE THE JOB WAS AT IN PUMPING CEMENT
01/29/2014 16:03		Drop Top Plug					PRE-LOADED HWE TOP PLUG IN PLUG CONTAINER VERIFIED BY CUSTOMER REP
01/29/2014 16:04		Pump Displacement	5	77.5		270.0	FRESH WATER WITH NO ADDITIVES
01/29/2014 16:29		Cement Returns to Surface					SAW SLIGHT INDICATOR OF CEMENT RIGHT AS PLUG BUMPED
01/29/2014 16:29		Bump Plug	3			1240.0	FINAL CIRCULATING PRESSURE 279, PSI TO LAND 270, PSI TO LIFT 426.
01/29/2014 16:31		Other				2446.0	CASING TEST 2400 PSI FOR 30 MIN, FINAL PRESSURE AFTER 30 MIN 2316
01/29/2014 17:01		Check Floats					FLOATS HELD, BBLS BACK
01/29/2014 17:05		Wait on Orders - Start Time					WAITING ON TUBING TO ARRIVE FOR TOP OUT JOB. WAITING ON CUSTOMER REP TO GIVE THE GO-AHEAD TO TOP OFF.
01/30/2014 02:50		Wait on Orders - End Time					CUSTOMER REP GAVE THE GO-AHEAD TO PUMP 3 BBLS OF TOP-OUT CEMENT
01/30/2014 02:55		Pump Cement	0.5	3			TOP OUT9 SKS SWIFTCEM B1 @ 13.5 PPG 1.76 YIELD, 9.25 GAL/SK USING 1" TUBING BETWEEN THE CONDUCTOR AND CASING
01/30/2014 03:00		End Job					RIG DOWN JSA, JOURNEY MANAGMENT MEETING, THANKS AARON SMITH AND CREW

# HALLIBURTON

## Data Acquisition

### GREAT WESTERN OIL AND GAS TAILHOLT FD 11-378 SURFACE



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

- ① Start Job 8.22;4;2    ④ Pump Spacer 2 8.32;20;2    ⑦ Shutdown 10.38;0;0    ⑩ Bump Plug 8;1160;0    ⑬ End Job 7.97;3;0
- ② Test Lines 8.24;6;0    ⑤ Pump Cement 8.36;9;0    ⑧ Drop Top Plug 12.36;0;0    ⑪ Other 8.01;2450;0
- ③ Pump Spacer 18.29;3;1    ⑥ Other 13.28;26;2.6    ⑨ Pump Displacement 11.24;0;0    ⑫ Check Floats 8.03;2316;0

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Created: 2014-01-29 10:54:30, Version: 3.0.121

Edit

Customer: GREAT WESTERN OIL & GAS LLC

Job Date: 1/29/2014 12:45:21 PM

Well: TAILHOLT FD 11-378 HC

Representative: AARON SMITH

Sales Order #: 901070037