

**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

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Wellbore Geometry

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

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Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
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

Sold To #: 346459	Ship To #: 3265112	Quote #:	Sales Order #: 901070037
Customer: GREAT WESTERN OIL & GAS LLC		Customer Rep: Lofton, Jeff	
Well Name: TAILHOLT FD		Well #: 11-378 HC	API/UWI #:
Field: WATTENBERG	City (SAP): WINDSOR	County/Parish: Weld	State: Colorado
Contractor: Xtreme		Rig/Platform Name/Num: XTREME 17	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: GREGORY, JON		Srvc Supervisor: SMITH, AARON	MBU ID Emp #: 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	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11064046	45 mile	11106651	45 mile	11341988C	45 mile	12010173	45 mile

Job

Job Times

Formation Name				Date	Time	Time Zone
Formation Depth (MD)	Top	Bottom		Called Out	29 - Jan - 2014	06:00 MST
Form Type	BHST			On Location	29 - Jan - 2014	10:00 MST
Job depth MD	1067. ft	Job Depth TVD	1067. ft	Job Started	29 - Jan - 2014	15:08 MST
Water Depth	Wk Ht Above Floor			Job Completed	30 - Jan - 2014	03:00 MST
Perforation Depth (MD)	From	To		Departed Loc	29 - Jan - 2014	04:00 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
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Sales/Rental/3rd 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 ³ /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					

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Service Supervisor Reports

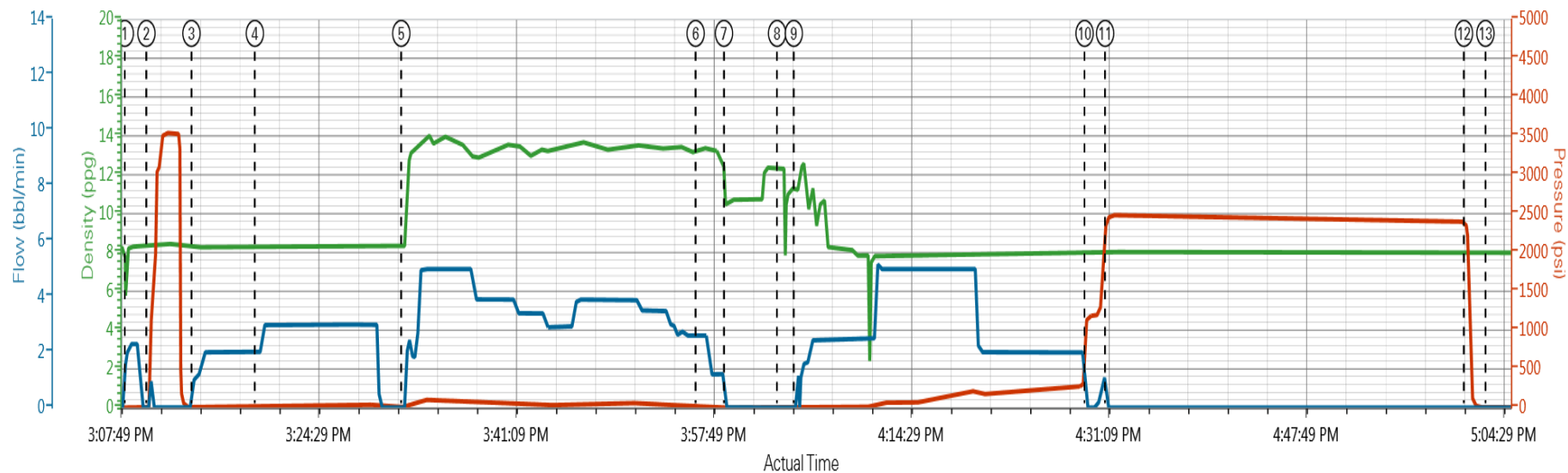
Job Log

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 SWIFTCCEM 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 SWIFTCCEM 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

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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 1 8.29;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