

**GREAT WESTERN OIL & GAS LLC - eBUS  
DONOTMAIL-1801 BROADWAY STE 500  
DENVER, Colorado**

Tailholt FD 11-378HC

**Xtreme 17**

## **Post Job Summary**

# **Cement Intermediate Casing**

Date Prepared: 2/16/2014  
Version: 1

Service Supervisor: WHIPPLE, WESLEY

Submitted by: FINNEY, SEAN

# HALLIBURTON

## Wellbore Geometry

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Job Tubulars					MD		Shoe Joint Length ft
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	
Casing	9 5/8" Surface Casing	9.63	8.921	36.00	0.00	1,067.00	40.00
Open Hole Section	8 3/4" Open Hole		8.750		1,067.00	7,685.00	0.00
Casing	7" Intermediate Casing	7.00	6.366	23.00	0.00	7,685.00	40.00

# 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	Tuned Spacer III	11.50	3.00	30.0 bbl	30.0 bbl
1	2	Cement	EconoCem	12.50	5.00	530 sacks	530 sacks
1	3	Cement	FracCem	13.50	5.00	180 sacks	180 sacks
1	4	Mud	Displacement	9.0	4.50	279 bbl	297 bbl

**The Road to Excellence Starts with Safety**

<b>Sold To #:</b> 346459		<b>Ship To #:</b> 3265112		<b>Quote #:</b>		<b>Sales Order #:</b> 901089226	
<b>Customer:</b> GREAT WESTERN OIL & GAS LLC - eBUS				<b>Customer Rep:</b> Great Western, Dave			
<b>Well Name:</b> Tailholt FD			<b>Well #:</b> 11-378HC		<b>API/UWI #:</b>		
<b>Field:</b>		<b>City (SAP):</b> WINDSOR		<b>County/Parish:</b> Weld		<b>State:</b> Colorado	
<b>Contractor:</b> Xtreme			<b>Rig/Platform Name/Num:</b> 17				
<b>Job Purpose:</b> Cement Intermediate Casing							
<b>Well Type:</b> Development Well				<b>Job Type:</b> Cement Intermediate Casing			
<b>Sales Person:</b> GREGORY, JON			<b>Srvc Supervisor:</b> WHIPPLE, WESLEY		<b>MBU ID Emp #:</b> 518611		

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
GLEESON, JAY Christophe	8.0	560216	MAYFIELD, BYRON L	8.0	528751	MILLS, KENDALL R	8.0	557380
MULLER, MICHEL B	8.0	529830	SAUCEADO, JIMMY	8.0	77772	SIMS, DENNIS A	8.0	158880
WHIPPLE, WESLEY Morgan	8.0	518611						

**Equipment**

HES Unit #	Distance-1 way						
10246780C	45 mile	10248053C	45 mile	10679720C	45 mile	10988836	45 mile
11341988C	45 mile	11562544C	45 mile	11605599	45 mile	12010167	45 mile

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
<b>TOTAL</b>								
<i>Total is the sum of each column separately</i>								

**Job**

**Job Times**

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
<b>Formation Depth (MD)</b>			<b>On Location</b>	04 - Feb - 2014	06:30	MST
<b>Form Type</b>		<b>BHST</b>	<b>Job Started</b>	04 - Feb - 2014	11:00	MST
<b>Job depth MD</b>	7685. ft	<b>Job Depth TVD</b>	<b>Job Completed</b>	04 - Feb - 2014	16:31	MST
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>	<b>Departed Loc</b>	04 - Feb - 2014	19:09	MST
<b>Perforation Depth (MD)</b>	<i>From</i>	<i>To</i>			20:00	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
8 3/4" Open Hole				8.75				1067	7685		
7' Intermediate Casing	New		7.	6.366	23.	LTC	L-80	.	7685.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	1067.		

**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		
SHOE,FLOAT,7 8RD,DJ,TAP OFF COMP NOSE,4-	1	EA		
Description	Qty	Qty uom	Depth	Supplier

COLLAR-FLOAT- 7 LG 8RD 29-38#/FT -	1	EA		
CLAMP - LIMIT - 7 - HINGED -	1	EA		
KIT,HALL WELD-A	1	EA		
CENTRALIZER-7"-CSG-8-1/2"-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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	TUNED SPACER III	TUNED SPACER III - SBM (483826)	30.00	bbl	11.5	7.21	53.96	3.0	
	36.09 gal/bbl	FRESH WATER							
	148.7 lbm/bbl	BARITE, BULK (100003681)							
2	Lead Cement	ECONOCEM (TM) SYSTEM (452992)	530.0	sacks	12.5	1.91	10.4	5.0	10.4
	10.4 Gal	FRESH WATER							
3	Tail Cement	FRACCEM (TM) SYSTEM (452963)	180.0	sacks	13.5	1.81	8.55	5.0	8.55
	8.55 Gal	FRESH WATER							

#### Calculated Values

#### Pressures

#### Volumes

Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns	20	Actual Displacement	297	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	

#### Rates

Circulating		Mixing		Displacement		Avg. Job	
Cement Left In Pipe	Amount	40 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
02/04/2014 07:00		Call Out					CREW CALLED OUT BY ARS OFFICE AT 0700 AND REQUESTED ON LOCATION AT 1030
02/04/2014 09:45		Crew Leave Yard					CREW PRE TRIPPED ALL EQUIPMENT IN YARD TO ENSURE IN WORKING CONDITION, HELD A PRE JOURNEY SAFETY MEETING TO DISCUSS ROUTE BEING TRAVELED, ROAD CONDITION AND POSSIBLE DRIVING HAZARDS. ALL DRIVERS FIT FOR DUTY
02/04/2014 11:00		Arrive At Loc					CREW ARRIVED ON LOCATION, SUPERVISOR MET WITH COMPANY REP TO DISCUSS JOB DETAILS
02/04/2014 11:10		Rig-Up Equipment					HELD PRE RIG UP SAFETY MEETING TO DISCUSS RIG UP PROCESS AND POTENTIAL HAZARDS WHILE RIGGING UP. COMPLETED RIG UP @
02/04/2014 12:30		Casing on Bottom					RIG LANDED CASING ON BOTTOM @ 1230 AND CIRCULATED TWO HOLE VOLUMES
02/04/2014 16:00		Safety Meeting					HELD A PRE JOB SAFETY MEETING WITH ALL HANDS ON LOCATION TO DISCUSS JOB PROCESS, PROCEDURES AND POTENTIAL HAZARDS THAT COULD OCCUR WHILE PUMPING CEMENT
02/04/2014 16:31		Start Job					
02/04/2014 16:37		Test Lines				4000.0	PRESSURE TEST PUMPS AND LINES TO 4000PSI, FOUND NO VISABLE LEAKS AND PRESSURE HELD
02/04/2014 16:44		Pump Spacer 1	3	30		190.0	MIX AND PUMP 30BBLs OF TUNED SPACER @ 11.5 PPG. DENSITY VERIFIED BY PRESSUREIZED MUD SCALES
02/04/2014 17:04		Pump Lead Cement	5	181		219.0	MIX AND PUMP 530 SKS OF ECONOCEM @ 12.5PPG. DENSITY VERIFIED BY MUD SCALES
02/04/2014 17:30		Pump Tail Cement	5	59		230.0	MIX AND PUMP 180SKS OF FRACCCEM @ 13.5PPG. DENSITY VERIFIED BY MUD SCALES
02/04/2014 17:52		Shutdown					
02/04/2014 18:00		Drop Top Plug					DROP TOP PLUG FROM HES PLUG CONTAINER, WITNESSED BY COMPANY REP
02/04/2014 18:00		Pump Displacement	4.5	297		1020.0	PUMP MUD DISPLACEMENT. RECEIVED APPROX 20BBLs OF CEMENT TO SURFACE
02/04/2014 18:54		Bump Plug					BUMP PLUG 500PSI OVER FINAL PUMPING PRESSURE.
02/04/2014 18:56		Check Floats				2366.0	RELEASE PRESSURE BACK TO PUMP TRUCK, RECEIVED 3BBLs BACK AND FLOATS HELD
02/04/2014 19:09		End Job					COMMENCE RIG DOWN OF ALL EQUIPMENT. WET AND DRY CEMENT SAMPLES WERE LEFT ON LOCATION WITH COMPANY REP