

**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

Wellbore Geometry

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

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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	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

Sold To #: 346459	Ship To #: 3265112	Quote #:	Sales Order #: 901089226
Customer: GREAT WESTERN OIL & GAS LLC - eBUS		Customer Rep: Great Western, Dave	
Well Name: Tailholt FD		Well #: 11-378HC	API/UWI #:
Field:	City (SAP): WINDSOR	County/Parish: Weld	State: Colorado
Contractor: Xtreme		Rig/Platform Name/Num: 17	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: GREGORY, JON		Srvc Supervisor: WHIPPLE, WESLEY	MBU ID Emp #: 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	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	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
TOTAL	Total is the sum of each column separately							

Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To
				BHST	7685. ft	7100. ft				
						5. ft				

Job Times

Date	Time	Time Zone
04 - Feb - 2014	06:30	MST
04 - Feb - 2014	11:00	MST
04 - Feb - 2014	16:31	MST
04 - Feb - 2014	19:09	MST
04 - Feb - 2014	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/3rd 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	
Frac Gradient		15 Min		Spacers		30		Load and Breakdown	
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					

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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