

HALLIBURTON

*Cementing Job Summary**The Road to Excellence Starts with Safety*

Sold To #: 343492	Ship To #:	Quote #: 0022153335	Sales Order #: 0903085493							
Customer: BILL BARRETT CORPORATION E-BILL		Customer Rep: CASEY								
Well Name: ANSCHUTZ EQUUS FARMS	Well #: 4-62-09-0108B2B	API/UWI #: 05-123-42663								
Field: WATTENBERG	City (SAP): ROGGEN	County/Parish: WELD	State: COLORADO							
Legal Description: NW NW-33-4N-62W-620FNL-250FWL										
Contractor: UNKNOWN		Rig/Platform Name/Num: WORKOVER RIG								
Job BOM: 7528										
Well Type: HORIZONTAL OIL										
Sales Person: HALAMERICA\HX38199		Srv Supervisor: Joseph Scileppi								
Job										
Formation Name										
Formation Depth (MD)	Top	0	Bottom 820							
Form Type	BHST									
Job depth MD	820ft	Job Depth TVD	820							
Water Depth	Wk Ht Above Floor									
Perforation Depth (MD)	From	To								
Well Data										
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Drill Pipe		4.5	3.826	16.6		J-55	0	820		820
Open Hole Section			13.75				0	820	0	820
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	4.5			820		Top Plug	4.5			
Float Shoe	4.5					Bottom Plug	4.5			
Float Collar	4.5					SSR plug set	4.5			
Insert Float	4.5					Plug Container	4.5			
Stage Tool	4.5					Centralizers	4.5			
Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Bottom Plug	SWIFTCM (TM) SYSTEM	59	sack	13.5	1.75		6	9.24	
9.24 Gal		FRESH WATER								
Fluid Data										
Cement Left In Pipe	Amount	ft	Reason				Shoe Joint			
Fluid Data										
Stage/Plug #: 2										
GOT .5 BBL CMT BACK TO SURFACE										

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Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
1	Surface Plug	SWIFTCEM (TM) SYSTEM	236	sack	13.5	1.75		6	9.24
9.24 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
2	Leftover Cement	SWIFTCEM (TM) SYSTEM	30	sack	13.5	1.75		6	9.24
9.24 Gal		FRESH WATER							
Cement Left In Pipe		Amount	ft	Reason				Shoe Joint	
Mix Water: pH ##		Mix Water: ## ppm Chloride:			Mix Water Temperature: ## °F °C				
Cement Temperature: ## °F °C		Plug Displaced by: ## lb/gal kg/m3 XXXX				Disp. Temperature: ## °F °C			
Plug Bumped? Yes/No		Bump Pressure: ##### psi MPa				Floats Held? Yes/No			
Cement Returns: ## bbl m3		Returns Density: ## lb/gal kg/m3				Returns Temperature: ## °F °C			
Comment TOPPED OUT AND GOT 3 BBLS OF CMT BACK TO SURFACE									

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Comb Pump Rate (bbl/min)	DH Density (ppg)	PS Pump Press (psi)	Comments
Event	1	Call Out	Call Out	1/27/2016	06:30:00	USER				CALLOUT FOR ON LOCATION AT 1300, BUT GOT PUSHED BACK TO 1600
Event	2	Crew Left Yard	Crew Left Yard	1/27/2016	14:45:00	USER				PRE JOURNEY JSA W/ CREW
Event	3	Arrive At Location	Arrive At Location	1/27/2016	16:30:00	USER				UPON ARRIVAL RIG WAS READY, MET W/ COMPANY REP TO DISCUSS JOB PROCEDURE
Event	4	Rig-Up Equipment	Rig-Up Equipment	1/27/2016	16:45:00	USER				PRE RIG UP HAZARD HUNT JSA W/ CREW
Event	5	Other	Other	1/27/2016	16:50:00	USER				FIELD MIX WATER ANALYSIS: PH-6, CHLORIDES-0, TEMP-52, IRON-0
Event	6	Pre-Job Safety Meeting	Pre-Job Safety Meeting	1/27/2016	18:00:00	USER				JSA W/ ALL INVOLVED PERSONNEL
Event	7	Start Job	Start Job	1/27/2016	18:14:46	COM5				
Event	8	Test Lines	Test Lines	1/27/2016	18:15:52	COM5	0.00	8.33	3200.00	TESTED LINES TO 3000 PSI, NO VISIBLE LEAKS
Event	9	Pump Cement	Pump Cement	1/27/2016	18:24:52	COM5	2.00	13.50	14.00	PYUMPED 59 SKS OR 18.4 BBLS OF 13.5 CMT AT 2 BPM AND 14 PSI
Event	10	Check Weight	Check weight	1/27/2016	18:30:36	COM5				WEIGHT VERIFIED BY MUD SCALES
Event	11	Pump Displacement	Pump Displacement	1/27/2016	18:37:14	COM5	3.00	8.33	70.00	PUMPED 12 BBLS OF H2O AT 3 BPM AND 70 PSI
Event	12	Shutdown	Shutdown	1/27/2016	18:42:37	COM5				AFTER SHUTTING DOWN HAD 90 PSI SO WE BLED OFF PRESSURE AND GOT GOOD FLOW BACK TO TRUCK. I IMMEDIATELY CLOSED RELEASE LINE AND INFORMED COMPANY REP THAT WE WERE GETTING FLOW BACK TO TRUCK, HE INSTRUCTED ME TO OPEN RELEASE LINE UNTIL FLOW STOPPED. WE GOT 5.5 BBLS BACK TO TRUCK
Event	13	Test Lines	Test Lines	1/27/2016	22:48:17	COM5				TESTED LINES TO 3000 PSI FOR 3 MIN, NO VISIBLE LEAKS
Event	14	Pump Cement	Pump Cement	1/27/2016	22:52:33	COM5	3.50	13.50	26.00	PUMPED 236 SKS OR 73.5 BBLS OF 13.5 CMT AT 3.5 BPM AND 26 PSI

Event	15	Pump Displacement	Pump Displacement	1/27/2016	23:31:54	COM5	3.00	8.33	50.00	PUMPED 6 BBLS OF H2O AT 3 BPM AND 50 PSI, GOT .5 BBL OF CMT BACK TO SURFACE
Event	16	Shutdown	Shutdown	1/27/2016	23:34:42	COM5				
Event	17	Pump Cement	Pump Cement	1/28/2016	00:22:33	COM5	2.00	13.5	10.00	TOPPED OUT WITH 30 SKS OR 9.3 BBLS OF 13.5 CMT, GOT 3 BBLS OF CMT BACK TO SURFACE
Event	18	End Job	End Job	1/28/2016	00:44:16	COM5				