
BLACK HILLS EXPLORATION & PROD-EBUS

Ute 34-21
LA PLATA
La Plata County , Colorado

Cement Surface Casing
21-Jun-2010

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 359739		Ship To #: 359739		Quote #:		Sales Order #: 7448791							
Customer: BLACK HILLS EXPLORATION & PROD-EBUS				Customer Rep:									
Well Name: Ute			Well #: 34-21			API/UWI #:							
Field: LA PLATA		City (SAP): GOLDEN		County/Parish: La Plata			State: Colorado						
Contractor: AWS			Rig/Platform Name/Num: 507										
Job Purpose: Cement Surface Casing													
Well Type: Development Well					Job Type: Cement Surface Casing								
Sales Person: SNYDER, RANDALL				Srvc Supervisor: OMSBERG, TROY			MBU ID Emp #: 462388						
Job Personnel													
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #					
AXT, STEPHEN Gary	3	434802	OMSBERG, TROY L	3	462388	RICHESIN, ANTHONY Ray	3	412961					
Equipment													
HES Unit #	<i>Distance-1 way</i>	HES Unit #	<i>Distance-1 way</i>	HES Unit #	<i>Distance-1 way</i>	HES Unit #	<i>Distance-1 way</i>						
10025039	45 mile	10823383	45 mile	10829467	45 mile								
Job Hours													
Date	<i>On Location Hours</i>	Operating Hours	Date	<i>On Location Hours</i>	Operating Hours	Date	<i>On Location Hours</i>	Operating Hours					
	5	1											
TOTAL		<i>Total is the sum of each column separately</i>											
Job					Job Times								
Formation Name					Date		Time	Time Zone					
Formation Depth (MD)		Top	Bottom		Called Out		21 - Jun - 2010	02:20	MST				
Form Type		BHST			On Location		21 - Jun - 2010	06:00	MST				
Job depth MD		468. ft		Job Depth TVD		468. ft		Job Started		21 - Jun - 2010	09:28	MST	
Water Depth					Wk Ht Above Floor		5. ft		Job Completed		21 - Jun - 2010	09:56	MST
Perforation Depth (MD)		<i>From</i>	<i>To</i>		Departed Loc		21 - Jun - 2010	11:15	MST				
Well Data													
<i>Description</i>	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft		
12.25" Open Hole				12.25				.	468.				
8.625" Surface Casing	Unknown		8.625	8.097	24.			.	468.				
Sales/Rental/3rd Party (HES)													
Description						Qty	Qty uom	Depth	Supplier				
SUGAR, GRANULATED, IMPERIAL						150	LB						
PLUG,CMTG, TOP, 8 5/8, HWE, 7.20 MIN/8.09 MA						1	EA						
Tools and Accessories													
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			
Miscellaneous Materials													
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	

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	H2O Spacer		20.00	bbl	8.33	.0	.0	.0	
2	Surface Cement	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	270.0	sacks	15.8	1.17	5.01		5.01
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)							
	3 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.013 Gal	FRESH WATER							
3	H2O Displacement		28.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures		Volumes					
Displacement	28.1	Shut In: Instant		Lost Returns	NO	Cement Slurry	56.3	Pad	
Top Of Cement	SURF	5 Min		Cement Returns	3	Actual Displacement	13	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	90
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	42 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					

The Road to Excellence Starts with Safety

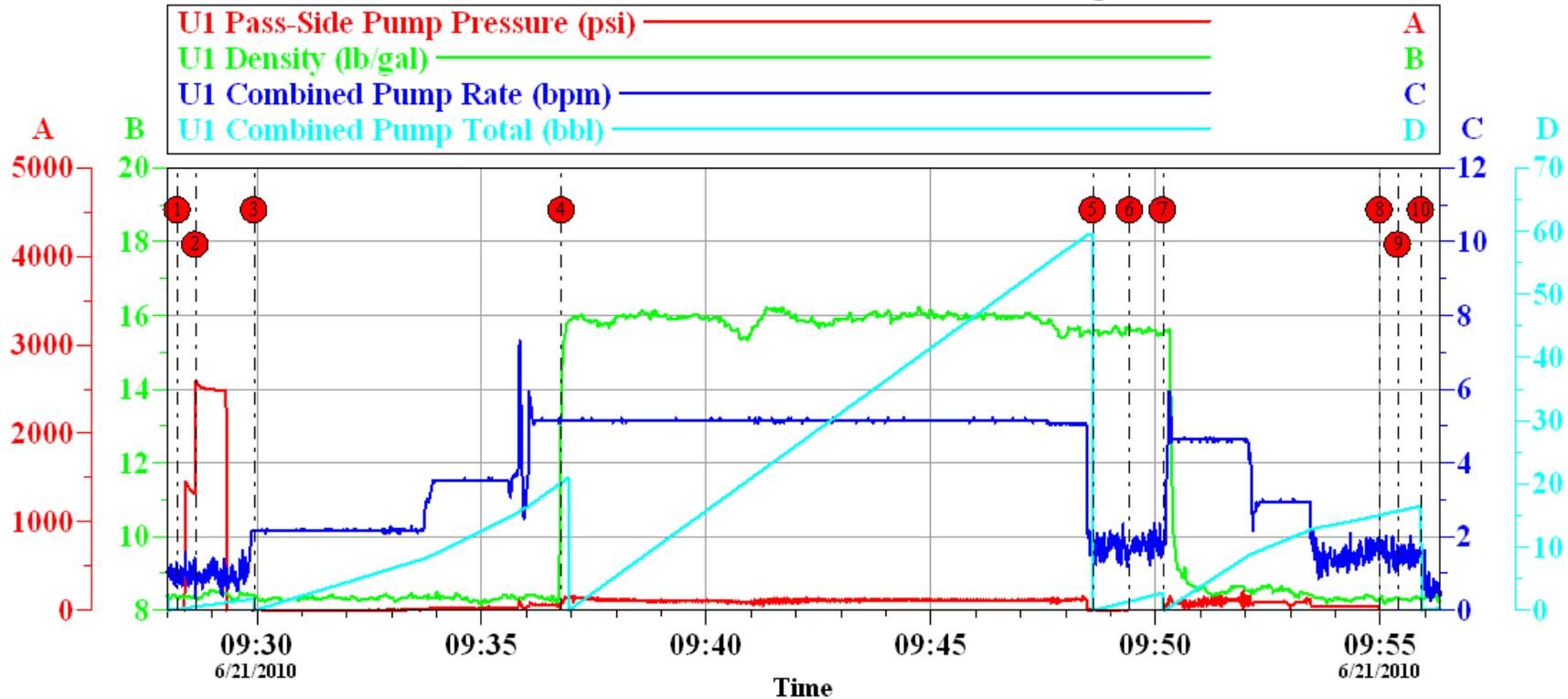
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Customer: BLACK HILLS EXPLORATION & PROD-EBUS		Customer Rep:	
Well Name: Ute		Well #: 34-21	API/UWI #:
Field: LA PLATA	City (SAP): GOLDEN	County/Parish: La Plata	State: Colorado
Legal Description:			
Lat:		Long:	
Contractor: AWS		Rig/Platform Name/Num: 507	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: SNYDER, RANDALL		Srv Supervisor: OMSBERG, TROY	MBU ID Emp #: 462388

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	06/21/2010 02:20							
Safety Meeting - Service Center or other Site	06/21/2010 05:00							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Arrive At Loc	06/21/2010 06:00							1- F-450, 1-ZS-4 PUMP TRUCK 3383, 1- 660 BULK TRUCK/5039
Assessment Of Location Safety Meeting	06/21/2010 06:05							ASSESSMENT OF LOCATION INVOLVING THE ENTIRE CMT CREW
Pre-Rig Up Safety Meeting	06/21/2010 08:50							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Rig-Up Equipment	06/21/2010 09:00							
Pre-Job Safety Meeting	06/21/2010 09:15							SAFETY MEETING INVOLVING EVERYONE ON LOCATION
Start Job	06/21/2010 09:28							
Test Lines	06/21/2010 09:29						2295.0	PSI TEST GOOD - 2295 PSI
Pump Spacer 1	06/21/2010 09:30		2	20	20		25.0	20 BBLS FRESH WATER SPACER
Pump Lead Cement	06/21/2010 09:37		5	56.3	56.3		100.0	56.3 BBLS OF SURFACE CEMENT MIXED @ 15.8 LB/GAL - "G" W/ 2% CC & 1/8 LB POLY
Shutdown	06/21/2010 09:49			56.3	56.3			DROP TOP PLUG
Drop Top Plug	06/21/2010 09:50							PLUG LEFT THE PLUG CONTAINER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	06/21/2010 09:51		5	13	13		130.0	28.1 BBLS FRESH WATER DISPLACEMENT
Shutdown	06/21/2010 09:54		4	13	13		140.0	SHUTDOWN W/ 13 BBLS INTO DISPLACEMENT, COMPANY MAN REQUESTED THAT PUMP SHUTDOWN WHEN GOOD CEMENT HAD RETURNED TO SURFACE, CEMENT TO SURFACE = 3 BBLS
Check Floats	06/21/2010 09:55							FLOATS HELD
End Job	06/21/2010 09:56							GOOD CIRCULATION THROUGHOUT THE ENTIRE CMT JOB, NO PIPE MOVEMENT, CEMENT RETURNS = 3 BBLS
Pre-Rig Down Safety Meeting	06/21/2010 10:00							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Rig-Down Equipment	06/21/2010 10:20							
Safety Meeting - Departing Location	06/21/2010 11:00							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Comment	06/21/2010 11:15							THANK YOU FOR USING HALLIBURTON, ANTHONY RICHESON & CREW

BLACK HILLS

Ute 34-21, 8 5/8" Surface Casing



Local Event Log					
Intersection	UPPP	Intersection	UPPP	Intersection	UPPP
① Start Job	09:28:14 -19.15	② Pressure Test	09:28:38 2295	③ Dyed Spacer	09:29:57 7.539
④ Surface Cement	09:36:47 92.70	⑤ Shutdown	09:48:37 3.322	⑥ Drop Plug	09:49:26 -0.799
⑦ Displace	09:50:10 -3.518	⑧ Shutdown	09:55:00 1.177	⑨ Check Floats	09:55:24 -12.31
⑩ End Job	09:55:55 -16.22				

Customer:	Job Date: 21-Jun-2010	Sales Order #: 7448791
Well Description:	Job type:	ADC Used:
Customer Rep:	Service Supervisor:	Operator/ Pump:

OptiCem v6.4.0
21-Jun-10 10:08