
BLACK HILLS EXPLORATION & PROD-EBUS

Southern Ute 33-23

La Plata County , Colorado

Cement Surface Casing

04-Jun-2010

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 359739		Ship To #: 359739		Quote #:		Sales Order #: 7416622							
Customer: BLACK HILLS EXPLORATION & PROD-EBUS				Customer Rep:									
Well Name: Southern Ute			Well #: 33-23			API/UWI #:							
Field:		City (SAP): GOLDEN		County/Parish: La Plata			State: Colorado						
Legal Description: Section 33 Township 33N Range 8W													
Contractor: AZTEC WELL SERVICE			Rig/Platform Name/Num: AWS 507										
Job Purpose: Cement Surface Casing													
Well Type: Development Well					Job Type: Cement Surface Casing								
Sales Person: COLLINS, JAMES				Srvc Supervisor: RICHESIN, ANTHONY			MBU ID Emp #: 412961						
Job Personnel													
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #					
ETCITY, JERRY	3.5	227876	LAMBSON, NATHANIEL A	3.5	343100	RICHESIN, ANTHONY Ray	3.5	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	44 mile	10724579	44 mile	10823383	44 mile	10829467	44 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					
6/4/10	3.5	.5											
TOTAL		<i>Total is the sum of each column separately</i>											
Job					Job Times								
Formation Name					Date								
Formation Depth (MD) Top Bottom					Time Time Zone								
Form Type BHST					Called Out 03 - Jun - 2010 11:00 MST								
Job depth MD 464. ft Job Depth TVD 464. ft					On Location 04 - Jun - 2010 14:00 MST								
Water Depth					Job Started 04 - Jun - 2010 17:00 MST								
Perforation Depth (MD) From To					Job Completed 04 - Jun - 2010 17:31 MST								
					Departed Loc 04 - Jun - 2010 18:30 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 1/4" Surface Open Hole				12.25				.	464.				
8 5/8" Surface Casing	Unknown		8.625	8.097	24.		J-55	.	464.				
Sales/Rental/3rd Party (HES)													
Description						Qty	Qty uom	Depth	Supplier				
SUGAR, GRANULATED, IMPERIAL						125	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	8.625	1	HES
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	Water Spacer		10.00	bbl	8.33	.0	.0	.0	
2	Surface Cement	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	245.0	sacks	15.8	1.17	5.0		5.0
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)							
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	4.998 Gal	FRESH WATER							
3	Displacement		23.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures		Volumes					
Displacement	26.8	Shut In: Instant	0	Lost Returns	0	Cement Slurry	51	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	8	Actual Displacement	22.5	Treatment	
Frac Gradient		15 Min		Spacers	15	Load and Breakdown		Total Job	88.5
Rates									
Circulating	1.5	Mixing	4.5	Displacement	4	Avg. Job	3		
Cement Left In Pipe	Amount	110 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

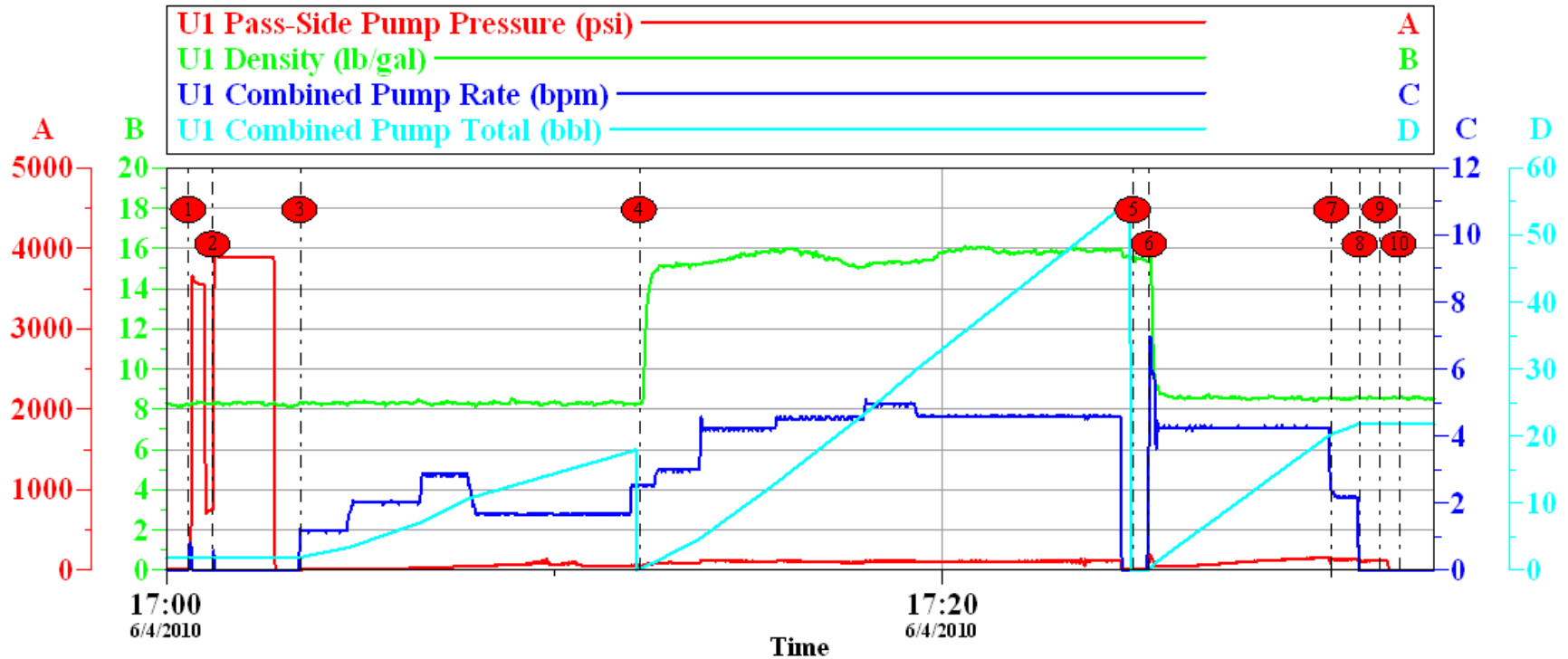
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Customer: BLACK HILLS EXPLORATION & PROD-EBUS		Customer Rep:	
Well Name: Southern Ute		Well #: 33-23	API/UWI #:
Field:	City (SAP): GOLDEN	County/Parish: La Plata	State: Colorado
Legal Description: Section 33 Township 33N Range 8W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: AZTEC WELL SERVICE		Rig/Platform Name/Num: AWS 507	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: COLLINS, JAMES		Srvc Supervisor: RICHESIN, ANTHONY MBU ID Emp #: 412961	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	06/04/2010 11:00							
Safety Meeting - Service Center or other Site	06/04/2010 13:00							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Arrive At Loc	06/04/2010 14:00							1- F-450, 1-ZS4 PUMP TRUCK, 1- 660 BULK TRUCK
Assessment Of Location Safety Meeting	06/04/2010 14:05							ASSESSMENT OF LOCATION INVOLVING THE ENTIRE CMT CREW
Pre-Rig Up Safety Meeting	06/04/2010 16:30							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Rig-Up Equipment	06/04/2010 16:40							
Pre-Job Safety Meeting	06/04/2010 16:50							SAFETY MEETING INVOLVING EVERYONE ON LOCATION
Start Job	06/04/2010 17:00							
Test Lines	06/04/2010 17:01							4000 PSI TEST GOOD HELD 2 MIN
Pump Spacer 1	06/04/2010 17:03							15 BBL DYED FRESH WATER SPACER
Pump Tail Cement	06/04/2010 17:12		4	51	51		132.0	51 BBLS = 245 SKS CEMENT, "G" W/ 2% CC & 1/8LB POLY, YIELD = 1.17 CUFT, WR = 5.0 GAL
Shutdown	06/04/2010 17:22							DROP TOP PLUG
Drop Top Plug	06/04/2010 17:24							PLUG LEFT THE PLUG CONTAINER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	06/04/2010 17:25		4	16	16		186.0	FRESH WATER DISPLACEMENT CACULATED 26.8 BBL PER COMPANY REP CUT TO 22.5 BBL
Slow Rate	06/04/2010 17:30		2	16	16		143.0	SLOW RATE THE LAST 6 BBLS OF DISPLACEMENT
Bump Plug	06/04/2010 17:31		2	22.5	22.5		112.0	DID NOT LAND PLUG GOT 8 BBL GOOD CEMENT BACK TO SURFACE COMPANY REP CALLED IT GOOD HAD HALLIBURTON SHUT DOWN LEAVING A 110' SHOE JOINT =7 BBL LEFT IN PIPE
Check Floats	06/04/2010 17:32							FLOATS HELD .5 BBL BACK TO TRUCK
End Job	06/04/2010 17:33							GOOD CIRCULATION THROUGHOUT THE ENTIRE CMT JOB, NO PIPE MOVEMENT, CEMENT RETURNS = 8 BBLS
Comment	06/04/2010 17:34							THANK YOU FOR USING HALLIBURTON, ANTHONY RICHESIN AND CREW
Pre-Rig Down Safety Meeting	06/04/2010 17:40							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Rig-Down Equipment	06/04/2010 18:20							
Safety Meeting - Departing Location	06/04/2010 18:30							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW

BLACK HILLS

SOUTHERN UTE WELL# 33-23



Local Event Log											
	Maximum	UPPP		Maximum	UPPP		Maximum	UPPP			
1	START JOB	17:00:35	3662	2	TEST LINES	17:01:12	3934	3	SPACER	17:03:27	134.3
4	CEMENT	17:12:12	132.3	5	DROP PLUG	17:24:55	185.1	6	DISPLACEMENT	17:25:20	186.0
7	SLOW RATE	17:30:02	143.0	8	SHUT DOWN	17:30:46	112.8	9	CHECK FLOATS	17:31:17	112.8
10	END JOB	17:31:46	-0.586								

Customer: BLACK HILLS	Job Date: 04-Jun-2010	Sales Order #: 7416622
Well Description: SOUTHERN UTE WELL# 33-23	Job type: SURFACE	ADC Used: NO
Customer Rep: DARRELL BAXTER	Service Supervisor: ANTHONY RICHESIN	Operator/ Pump: JERRY ETCITY

OptiCem v6.4.0
04-Jun-10 17:46