

HALLIBURTON

BLACK HILLS EXPLORATION & PROD-EBUS

Ute 34-34

La Plata County , Colorado

Cement Surface Casing

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 359739		Ship To #: 359739		Quote #:		Sales Order #: 7484762	
Customer: BLACK HILLS EXPLORATION & PROD-EBUS				Customer Rep: Parrent, Allen			
Well Name: Southern Ute			Well #: 34-34		API/UWI #:		
Field: IGNACIO / BLANCO		City (SAP): GOLDEN		County/Parish: La Plata		State: Colorado	
Contractor: AWS			Rig/Platform Name/Num: AWS 507				
Job Purpose: Cement Surface Casing							
Well Type: Development Well				Job Type: Cement Surface Casing			
Sales Person: MASON, KYLE				Srvc Supervisor: DOBBS, GARY		MBU ID Emp #: 122012	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DEATON, PAUL David	4.5	436811	DOBBS, GARY D	4.5	122012	ONEAL, TALLEY	4.5	456423

Equipment

HES Unit #	Distance-1 way						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7/7/10	4.5	2						

TOTAL *Total is the sum of each column separately*

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					07 - Jul - 2010	12:30	MST
Form Type			BHST	On Location	07 - Jul - 2010	03:30	MST
Job depth MD	450. ft		Job Depth TVD	Job Started	07 - Jul - 2010	06:08	MST
Water Depth			Wk Ht Above Floor	Job Completed	07 - Jul - 2010	06:44	MST
Perforation Depth (MD)	From		To	Departed Loc	07 - Jul - 2010	08:00	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
12.25" Open Hole				12.25				.	450.		
8.625" Surface Casing	Unknown		8.625	7.921	32.			.	450.		

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

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		10.00	bbl	8.33	.0	.0	.0	
2	Surface Cement	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	250	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 PELLETT (100005053)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.013 Gal	FRESH WATER							
3	H2O Displacement		26.6	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures		Volumes					
Displacement	26.6	Shut In: Instant		Lost Returns		Cement Slurry	52	Pad	
Top Of Cement	0	5 Min		Cement Returns	10	Actual Displacement	26.6	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	
Rates									
Circulating	5	Mixing	4	Displacement	4	Avg. Job	4		
Cement Left In Pipe	Amount	44 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

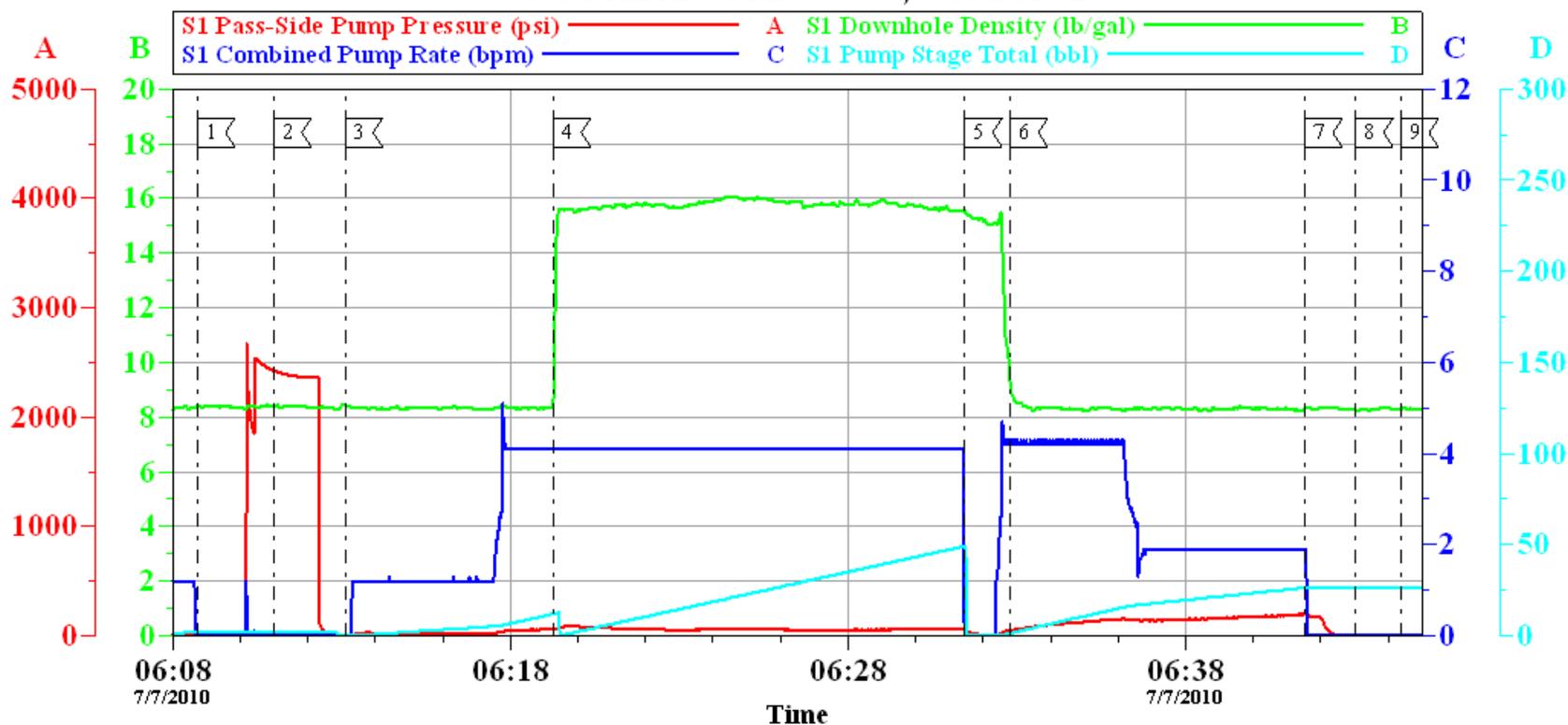
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Well Name: Southern Ute			Well #: 34-34		API/UWI #:		
Field: IGNACIO / BLANCO		City (SAP): GOLDEN		County/Parish: La Plata		State: Colorado	
Legal Description:							
Lat:				Long:			
Contractor: AWS			Rig/Platform Name/Num: AWS 507				
Job Purpose: Cement Surface Casing					Ticket Amount:		
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: MASON, KYLE			Srvc Supervisor: DOBBS, GARY			MBU ID Emp #: 122012	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pre-Convoy Safety Meeting	07/07/2010 01:30							
Arrive at Location from Service Center	07/07/2010 03:30							
Assessment Of Location Safety Meeting	07/07/2010 03:35							
Wait on Customer or Customer Sub-Contractor Equip	07/07/2010 03:45							
Wait on Customer or Customer Sub-Contractor Equipm	07/07/2010 05:00							
Pre-Rig Up Safety Meeting	07/07/2010 05:05							
Rig-Up Equipment	07/07/2010 05:10							RIG UP PUMP TRUCK, 1 BULK TRUCK & PICK UP
Pre-Job Safety Meeting	07/07/2010 05:45							
Start Job	07/07/2010 06:08							
Test Lines	07/07/2010 06:10					1500.0		
Pump Spacer 1	07/07/2010 06:13		2	20			11.0	WATER
Pump Tail Cement	07/07/2010 06:19		4	52			57.0	TYPE G CEMENT WITH 2% CACL2, 1/8# POLY-E-FLAKE MIXED @ 15.8#, 1.17 YEILD, 5.01 GPS FRESH WATER
Drop Top Plug	07/07/2010 06:31							
Pump Displacement	07/07/2010 06:32		4	16.6			50.0	WATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Bump Plug	07/07/2010 06:41		2	10			200.0	
Check Floats	07/07/2010 06:43							FLOATS HELD
Cement Returns to Surface	07/07/2010 06:43							CIRCULATED 10 BBLS OF CEMENT TO PIT
End Job	07/07/2010 06:44							

BLACK HILLS

SOUTHERN UTE #34-34, SURFACE



Local Event Log			
	Intersection	SPPP	Intersection
1	START JOB	06:08:44 20.46	2 TEST LINES
3	PUMP SPACER 1	06:13:06 11.00	4 PUMP CEMENT
5	DROP PLUG	06:31:27 53.37	6 PUMP DISPLACEMENT
7	BUMP PLUG	06:41:32 200.4	8 CHECK FLOATS
9	END JOB	06:44:23 -6.000	

Customer: BLACK HILLS	Job Date: 07-Jul-2010	Sales Order #: 7484762
Well Description: SOUTHERN UTE #34-34	Job type: SURFACE	ADC Used: YES
Customer Rep: DARRELL BAXTER	Service Supervisor: DONNY DOBBS	Operator/Pump: TALLEY ONEAL / 11324578

OptiCem v6.4.1
07-Jul-10 07:08