

HALLIBURTON

AP1 #
30-615-33601

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300741	Ship To #: 0002378743	Quote #:	Sales Order #: 3305395
Customer: BASS ENTERPRISES PRODUCTION CO		Customer Rep: Collins, Frank	
Well Name: James Ranch	Well #: #91	API/UWI #: AFEY01N4QEISKP1AAAA	
Field:	County/Parish: Eddy	State: New Mexico	
Legal Description:			
Lat: North 0.000 deg. OR North 0 deg. 0 min. 0 secs.		Long: East 0.000 deg. OR East 0 deg. 0 min. 0 secs.	
Contractor: GREY WOLF		Rig/Platform Name/Num: 15	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cementing	
Sales Person: MOCKSFIELD, RICHARD George		Srv Supervisor: THORNTON, WAYNE MBU ID Emp #: 239067	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ARREOLA, MATTHEW A	9.5	312817	MARTINEZ, ADELMIRO	9.5	295236	THORNTON, WAYNE	9.5	239067

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248047C	40 mile	10565350	40 mile	421248	40 mile	7784Z	40 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
09-27-04	9.5	4						

TOTAL	Total is the sum of each column separately							
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Job

Job Times

Formation Name	Formation Depth (MD) Top	Formation Depth (MD) Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD) From	Perforation Depth (MD) To	Called Out	On Location	Job Started	Job Completed	Departed Loc
			BHST	633 ft	633 ft	7			27 - Sep - 2004	27 - Sep - 2004	27 - Sep - 2004	27 - Sep - 2004	28 - Sep - 2004
			80 degF						11:30	14:30	20:50	21:46	00:00
									CST	MST	MST	MST	MST

Well Data

Description	New / Used	Max pressure	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole Section				17.5				0	633		
Surface Casing	New		13.375	12.715	48			0	644		

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	Treatment Fld	Conc	Conc	Surfactant	Inhibitor	Conc	Conc	Acid Type	Sand Type	Qty	Size	Conc	%

Fluid Data

Stage/Plug #: 1	Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Water 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 Water Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Lead Cement Premium Plus W/Econolite	CMT - PREMIUM PLUS CEMENT (100012205)	160.00	sacks	11.4	2.903	17.866		17.87
	17.866 Gal	FRESH WATER							
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	3 %	ECONOLITE (100001580)							
2	Tail Cement Premium Plus	CMT - PREMIUM PLUS CEMENT (100012205)	340.00	sacks	14.8	1.343	6.342		6.34
	6.342 Gal	FRESH WATER							
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	28 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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Contractor: GREY WOLF	Rig/Platform Name/Num: 15		
Job Purpose: Cement Surface Casing			Ticket Amount: \$ 10,230.11
Well Type: Development Well	Job Type: Cementing		
Sales Person: MOCKSFIELD, RICHARD George	Srvc Supervisor: THORNTON, WAYNE	MBU ID Emp #: 239067	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	09/27/2004 11:00							
Depart Yard Safety Meeting	09/27/2004 12:50							
Crew Leave Yard	09/27/2004 13:00							
Arrive At Loc	09/27/2004 14:30							
Assessment Of Location Safety Meeting	09/27/2004 14:40							
Pre-Rig Up Safety Meeting	09/27/2004 14:50							
Rig-Up Equipment	09/27/2004 15:00							
Pre-Job Safety Meeting	09/27/2004 20:30							
Test Lines	09/27/2004 20:50		1	3			2000	
Pump Spacer 1	09/27/2004 20:53		6	20			132	
Pump Lead Cement	09/27/2004 20:58		7	82.64			154	160 SKS OF PREMIUM PLUS 2% CACL2, 3% ECONOLITE 11.4 PPG, 2.90 YIELD, 17.87 GAL/SK
Pump Tail Cement	09/27/2004 21:11		7	81.14			140	340 PREMIUM PLUS 2% CACL2 14.8 PPG, 1.34 YIELD, 6.34 GAL/SK
Drop Top Plug	09/27/2004 21:27							
Pump Displacement	09/27/2004 21:29		7	96.71			45	

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3305395

SUMMIT Version: 6.30.43

Monday, September 27, 2004 10:12:00

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Displ Reached Cmmt	09/27/2004 21:37		7				125	
Comment	09/27/2004 21:44		3				235	SLOW RATE @ 86.71 TO 3 BBL/MIN
Bump Plug	09/27/2004 21:46		3				580	CIRCULATED 42 BBL (82 SKS) OF CEMENT TO PIT
Check Floats	09/27/2004 21:47							
Post-Job Safety Meeting (Pre Rig-Down)	09/27/2004 21:50							
Rig-Down Equipment	09/27/2004 22:00							
Depart Location Safety Meeting	09/27/2004 23:50							
Crew Leave Location	09/28/2004 00:00							
Comment	09/28/2004 00:00							THANK YOU PAUL THORNTON AND CREW

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