

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 356801	Ship To #: 2788163	Quote #:	Sales Order #: 7419606
Customer: PINE RIDGE OIL & GAS LLC		Customer Rep: Morehouse, John	
Well Name: Liberty	Well #: 32-32	API/UWI #: 05-043-06183-00	
Field: FURY	City (SAP): FLORENCE	County/Parish: Fremont	State: Colorado
Contractor: FORT		Rig/Platform Name/Num:	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FLING, MATTHEW		Srv Supervisor: KELEHER, JASON	MBU ID Emp #: 437348

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BELL, ROBERT Preston		437060	KELEHER, JASON E		437348	NAVARRETE, PEDRO		472036
POINTER, DERRICK W		231417						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10025030	171 mile	10248060C	171 mile	10948694	171 mile	11019275	171 mile
11362287C	171 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			Total is the sum of each column separately					

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Water Depth	Perforation Depth (MD)	From	To	Called Out	On Location	Job Started	Job Completed	Departed Loc
				BHST	677. ft					05 - Jun - 2010	05 - Jun - 2010	06 - Jun - 2010	06 - Jun - 2010	06 - Jun - 2010
										10:30	18:30	12:10	01:15	02:30
										MST	MST	MST	MST	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
Open Hole				12.25					690.		
Surface Casing	Unknown		9.625	9.001	32.3	8 RD	J-55		677.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 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	%
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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		40.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	HALLIBURTON LIGHT STANDARD - SBM (12313)	235.0	sacks	13.3	1.62	8.1	5.0	8.1
	0.25 lbm	POLY-E-FLAKE (101216940)							
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	8.1 Gal	FRESH WATER							
3	Tail Cement	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	100.0	sacks	14.5	1.41	6.83	5.0	6.83
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)							
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	6.83 Gal	FRESH WATER							
4	Top off Cement	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)		sacks	15.8	1.15	4.99		4.99
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)							
	4.989 Gal	FRESH WATER							
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	26.5 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					