

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 345242	Ship To #: 2781032	Quote #:	Sales Order #: 7329737
Customer: NOBLE ENERGY INC E-BUSINESS		Customer Rep: Heard, Shane	
Well Name: DF Ranch	Well #: 1161-10-13	API/UWI #: 05-123-31061-00	
Field: FURY	City (SAP): HEREFORD	County/Parish: Weld	State: Colorado
Contractor: FORT	Rig/Platform Name/Num: FORT 5		
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FLING, MATTHEW		Srv Supervisor: LAVALLEY, LARRY	MBU ID Emp #: 419296

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
COLLINS, IRVIN Douglas	4.0	401749	LAVALLEY, LARRY P	4.0	419296	OLSON, NICHOLAS Martin	4.0	470709
RAMOS, REFUGIO Castro	4.0	435413						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10866493C	95 mile	10988836C	95 mile	11142998	95 mile	11398490R P	95 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
04-26-10	4.0	1.0						

TOTAL Total is the sum of each column separately

Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To	Called Out	Date	Time	Time Zone
				BHST	1060. ft	1060. ft						26 - Apr - 2010	06:00	MST
							Wk Ht Above Floor				On Location	26 - Apr - 2010	10:30	MST
											Job Started	26 - Apr - 2010	12:52	MST
											Job Completed	26 - Apr - 2010	13:58	MST
											Departed Loc	26 - Apr - 2010	14:30	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					1070.		1070.
Surface Casing	New		8.625	8.097	24.				1060.		1060.

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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
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HALLIBURTON

Cementing Job Summary

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	42.0	5000.0	
2	Lead Cement	HALLIBURTON LIGHT STANDARD - SBM (12313)	265.0	sacks	13.1	1.69	8.64	5.0	8.64
	0.125 lbm	POLY-E-FLAKE (101216940)							
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	8.638 Gal	FRESH WATER							
3	Tail Cement	CMT - STANDARD - TYPE II CEMENT (100064006)	100.0	sacks	15.8	1.18	5.0	5.0	5.0
	94 lbm	TYPE I / II CEMENT, BULK (101439798)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	5 Gal	FRESH WATER							
4	Displacement		65.00	bbl		.0	.0	.0	
Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns	15bbl's	Actual Displacement	65.0	Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
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					