

HALLIBURTON

NOBLE ENERGY INC E-BUSINESS

**KY Blue #H 25-14
Wattenberg
Weld County , Colorado**

Recement Service

17-Apr-2013

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 345242	Ship To #: 2453513	Quote #:	Sales Order #: 900363216
Customer: NOBLE ENERGY INC E-BUSINESS	Customer Rep: Monagham, Keving		
Well Name: KY Blue	Well #: #H 25-14	API/UWI #:	
Field: Wattenberg	City (SAP): KERSEY	County/Parish: Weld	State: Colorado
Contractor: Workover	Rig/Platform Name/Num: Workover		
Job Purpose: Recement Service			
Well Type: Development Well	Job Type: Recement Service		
Sales Person: FLING, MATTHEW	Srv Supervisor: VIGIL, NICHOLAS	MBU ID Emp #: 443481	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
OTERI, VAUGHN Steeves	4	443828	ROMERO, JOSEPH M	4	512137	VIGIL, NICHOLAS Joseph	4	443481

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10246780C	15 mile	10988836	15 mile	11812069C	15 mile	12010168	15 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
4/17/2013	4	1						

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
Form Type			BHST	On Location	17 - Apr - 2013	08:50	MST
Job depth MD	810. ft		Job Depth TVD	Job Started	17 - Apr - 2013	10:54	MST
Water Depth			Wk Ht Above Floor	Job Completed	17 - Apr - 2013	00:00	MST
Perforation Depth (MD)	From		To	Departed Loc	17 - Apr - 2013	00:00	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." Open Hole				12.				604.	837.		
Surface Casing	Used		8.625	8.097	24.		J-55	.	604.	.	604.
1 1/4"	Unknown		1.25	.			K-55	.	837.		
3 1/2" Production Casing	Unknown		3.5	3.068	7.7			.	837.		837.

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
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Stage/Plug #: 1

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	15.8# Cement	HALCEM (TM) SYSTEM (452986)	260.0	sacks	15.8	1.15	5.0		5.0
	5 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement	surface	5 Min		Cement Returns	5 bbl	Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating	1.6	Mixing		2	Displacement	2	Avg. Job		2
Cement Left In Pipe	Amount	0 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					