

HALLIBURTON

NOBLE ENERGY INC E-BUSINESS

State Farm 36-6
Wattenberg
Weld County , Colorado

Recement Service
04-Feb-2013

Job Site Documents

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 345242		Ship To #: 2978865		Quote #:		Sales Order #: 900193106	
Customer: NOBLE ENERGY INC E-BUSINESS				Customer Rep: Swift, Carl			
Well Name: State Farm			Well #: 36-6		API/UWI #: 05-123-12859		
Field: Wattenberg		City (SAP): EVANS		County/Parish: Weld		State: Colorado	
Lat: N 40.358 deg. OR N 40 deg. 21 min. 27.382 secs.				Long: W 104.604 deg. OR W -105 deg. 23 min. 44.261 secs.			
Contractor: Noble			Rig/Platform Name/Num: Workover				
Job Purpose: Recement Service							
Well Type: Development Well				Job Type: Recement Service			
Sales Person: AARON, WESLEY			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 #
MAYFIELD, BYRON L	3	528751	OTERI, VAUGHN Steeves	3	443828	SIMS, DENNIS A	0.0	158880
VIGIL, NICHOLAS Joseph	3	443481						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11398490	20 mile	11748359	20 mile	12010168	20 mile	NA	20 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
2/4/2013	3	1						

TOTAL	Total is the sum of each column separately				
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Job

Job Times

Formation Name				Date		Time	Time Zone	
Formation Depth (MD)	Top	Bottom		Called Out	04 - Feb - 2013	05:00	MST	
Form Type	BHST			On Location	04 - Feb - 2013	08:30	MST	
Job depth MD	500. ft		Job Depth TVD	500. ft	Job Started	04 - Feb - 2013	09:40	MST
Water Depth	Wk Ht Above Floor			Job Completed	04 - Feb - 2013	10:30	MST	
Perforation Depth (MD)	From	To		Departed Loc	04 - Feb - 2013	11:30	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
9" Open Hole				9.				306.	5100.		
4 1/2" Production Casing	Unknown		4.5	4.	11.6			.	5100.		
Surface Casing	Used		8.625	8.097	24.		J-55	.	306.	.	.
1 1/4" tubing	Used		1.25	.671	3.02		P-105	.	500.		

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

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)	191.0	sacks	15.8	1.15	5.0		5.0
5 Gal		FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns	NO	Cement Slurry		Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	6 BBL	Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement			Avg. Job		
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					