

HALLIBURTON

NOBLE ENERGY INC E-BUSINESS

State Farm 36-7
WATTENBERG
Weld County , Colorado

Recement Service

26-Feb-2013

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #:	345242	Ship To #:	2982771	Quote #:		Sales Order #:	900239676
Customer:	NOBLE ENERGY INC E-BUSINESS			Customer Rep: Swift, Carl			
Well Name:	State Farm		Well #:	36-7		API/UWI #:	05-123-13365
Field:	WATTENBERG	City (SAP):	KERSEY	County/Parish:	Weld	State:	Colorado
Contractor:	Noble		Rig/Platform Name/Num: Leed 719				
Job Purpose: Recement Service							
Well Type:	Development Well			Job Type: Recement Service			
Sales Person:	FLING, MATTHEW			Srv Supervisor:	SNYDER, JONATHAN		
				MBU ID Emp #:	435616		

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BARNES, BRIAN L	5.3	485204	BARRAS, JOSEPH Corey	5.3	405168	HALE, ROBERT E	5.3	470588
SNYDER, JONATHAN Leroy	5.3	435616						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11036298	35 mile	11341988C	35 mile	11518548	35 mile	11562570C	35 mile
5707C	35 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
2/26/2013	5.25	2						

TOTAL

Total is the sum of each column separately

Job

Job Times

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	4700. ft	4700. ft						26 - Feb - 2013	04:00	MST
											On Location	26 - Feb - 2013	08:45	MST
											Job Started	26 - Feb - 2013	09:50	MST
											Job Completed	26 - Feb - 2013	13:11	MST
											Departed Loc	26 - Feb - 2013	14:00	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
10" Open Hole				10.				533.	6200.		
12" Open Hole				12.				323.	533.		
4 1/2" Production Casing	Unknown		4.5	4.	11.6				7116.		
Surface Casing	Used		8.625	8.097	24.		J-55		323.		
1 1/4" tubing	Used		1.25	.671	3.02		P-105		4700.		

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

HALLIBURTON

Cementing Job Summary

1	13.5 FracCem	FRACCEM (TM) SYSTEM (452963)	175.0	sacks	13.5	1.48	7.07		7.07
	7.07 Gal	FRESH WATER							
2	15.8# Cement	HALCEM (TM) SYSTEM (452986)	300.0	sacks	15.8	1.15	5.0		5.0
	5 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	7.5	Shut In: Instant		Lost Returns		Cement Slurry	99	Pad	
Top Of Cement	0	5 Min		Cement Returns	7	Actual Displacement	7.5	Treatment	
Frac Gradient		15 Min		Spacers	26	Load and Breakdown		Total Job	
Rates									
Circulating	1.5	Mixing		1.5	Displacement	1.5	Avg. Job		1.5
Cement Left In Pipe	Amount	0 ft	Reason						
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					