

The Road to Excellence Starts with Safety

Sold To #: 345242	Ship To #: 2732834	Quote #:	Sales Order #: 0904378653
Customer: NOBLE ENERGY INC E-BUSINESS		Customer Rep: Tyson Hamacher	
Well Name: Wells Ranch BB	Well #: 12-01	API/UWI #: 05-123-30128	
Field:	City (SAP): GILL	County/Parish: WELD	State: COLORADO
Legal Description:			
Contractor: Tyson H		Rig/Platform Name/Num: WORKOVER	
Job BOM: 7528 7528			
Well Type: GAS			
Sales Person: HALAMERICA\HB70026		Srv Supervisor: Nicholas Peterson	
Job			

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type			BHST
Job depth MD	2500ft		Job Depth TVD
Water Depth			Wk Ht Above Floor 5'
Perforation Depth (MD)	From		To

Well Data										
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing		8.625	8.097	24			0	580		
Casing	3	4.5	4	11.6			0	2500	0	0
Tubing		2.375	1.995	4.7			0	2500		0

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mi Fluid Gal
1	PLUG #1	HALCEM (TM) SYSTEM	25	sack	15.8	1.15	5	2	125
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)							
	5 Gal	FRESH WATER							

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mi Fluid Gal
2	Mud Flush III (Powder)	Mud Flush III	0	bbl	8.4				
	42 gal/bbl	FRESH WATER							

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mi Fluid Gal
3	HalCemTop Out	HALCEM (TM) SYSTEM		sack	15.8	1.15		2	5
	5 Gal	FRESH WATER							

Cement Left In Pipe	Amount	ft	Reason	Shoe Joint
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Day 1 Mix water; PH 7.0, Chlorides 0, Temp 60, Sulfates <200.

Comment: Day 1 plug 25 sks, 5.12 bbls displaced with fresh water 8.26 bbls.

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Sold To #: 345242		Ship To #: 2732834		Quote #:		Sales Order #: 0904378653				
Customer: NOBLE ENERGY INC E-BUSINESS				Customer Rep: Pete Burns						
Well Name: Wells Ranch BB		Well #: 12-01		API/UWI #: 05-123-30128						
Field:	City (SAP): GILL	County/Parish: WELD		State: COLORADO						
Legal Description:										
Contractor: Tyson H				Rig/Platform Name/Num: WORKOVER						
Job BOM: 7528 7528										
Well Type: GAS										
Sales Person: HALAMERICA\HB70026				Srvc Supervisor: Luke Kosakewich						
Job										
Formation Name										
Formation Depth (MD)		Top		Bottom						
Form Type				BHST						
Job depth MD		2500ft		Job Depth TVD						
Water Depth				Wk Ht Above Floor						
Perforation Depth (MD)		From		To						
Well Data										
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing		8.625	8.097	24			0	552		
Casing	3	4.5	4	11.6			575	2500	0	0
Tubing		2.375	1.995	4.7			0	720		0
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	2.375			720		Top Plug				
Float Shoe						Bottom Plug				
Float Collar						SSR plug set				
Insert Float						Plug Container				
Stage Tool						Centralizers				
Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name		Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	HalCemTop Out	HALCEM (TM) SYSTEM		291	sack	15.8	1.15		2	5
Fluid #	Stage Type	Fluid Name		Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	Displacement	Fresh Water		0.5	bbl				2	
Cement Left In Pipe		Amount	ft 720		Reason				PTA	

Comment Had full returns throughout the job. Set a cement plug from 720' to surface.. Got cement to surface. The cement fell 24'. Top out the well with 4 bbls of cement.
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