

The Road to Excellence Starts with Safety

Sold To #: 345242	Ship To #: 2599068	Quote #:	Sales Order #: 0905219422
Customer: NOBLE ENERGY INC-EBUS		Customer Rep: Tyson Hamacher	
Well Name: GURTLE	Well #: H 25-27	API/UWI #: 05-123-26247	
Field:	City (SAP): KERSEY	County/Parish: WELD	State: COLORADO
Legal Description:			
Contractor:		Rig/Platform Name/Num:	
Job BOM: 7528 7528			
Well Type: GAS			
Sales Person: HALAMERICA\HB70026		Srv Supervisor: Bahaa Abouchami	
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
Tubing		2.875	2.441	6.4			0	6810		
Casing		4.5	4	11.6			0	6980		

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	2.875			6810	Top Plug	2.875		HES
Float Shoe	2.875				Bottom Plug	2.875		HES
Float Collar	2.875				SSR plug set	2.875		HES
Insert Float	2.875				Plug Container	2.875		HES
Stage Tool	2.875				Centralizers	2.875		HES

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	CIBP Plug	HALCEM (TM) SYSTEM	20	sack	15.8	1.51	5.37	2.5	6.21

6812FT

6464 FT

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	HalGem	HALCEM (TM) SYSTEM	60	sack	15.8	1.15	12.3	2.5	5

5 Gal

FRESH WATER

4668 FT

3874 FT

HALLIBURTON

Cementing Job Summary

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
3	Mud Flush III (Powder)	Mud Flush III	10	bbl	8.4			2.5	
42 gal/bbl		FRESH WATER							

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
4	HalCem	HALCEM (TM) SYSTEM	130	sack	15.8	1.15	26.6	2.5	5
1831 FT 1327 FT		FRESH WATER							

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
3	Mud Flush III (Powder)	Mud Flush III	10	bbl	8.4			2.5	
42 gal/bbl		FRESH WATER							

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
4	HalCem	HALCEM (TM) SYSTEM	370	sack	15.8	1.15	75.8	2.5	5
840-44		FRESH WATER							

Cement Left In Pipe	Amount	ft	Reason	Shoe Joint
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Comment

Mix Water:	pH 8	Mix Water Chloride:	ppm	Mix Water Temperature:	20 °C
Cement Temperature:	20 °C	Plug Displaced by:	HES	Disp. Temperature:	20 °C
Plug Bumped?	NA	Bump Pressure:		Floats Held?	NA
Cement Returns:	YES	Returns Density:	#15.8 LB/GAL	Returns Temperature:	NA