

The Road to Excellence Starts with Safety

Sold To #: 345242	Ship To #: 2990463	Quote #:	Sales Order #: 900352575
Customer: NOBLE ENERGY INC E-BUSINESS	Customer Rep: Drahota, John		
Well Name: SLW Ranch B	Well #: 12-69-1HN	API/UWI #: 05-123-36258	
Field: WATTENBERG	City (SAP): KERSEY	County/Parish: Weld	State: Colorado
Lat: N 40.424 deg. OR N 40 deg. 25 min. 26.148 secs.	Long: W 104.493 deg. OR W -105 deg. 30 min. 26.46 secs.		
Contractor: Ensign	Rig/Platform Name/Num: Ensign 121		
Job Purpose: Plug to Abandon Service			
Well Type: Development Well	Job Type: Plug to Abandon Service		
Sales Person: FLING, MATTHEW	Srvc Supervisor: FANTASIA, JOSEPH	MBU ID Emp #: 485445	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BOURGEOIS, KEVIN Paul	28.0	459092	BROOM, KENDALL L	28.0	524682	CHISLUM, DENNIS	28.0	512130
FANTASIA, JOSEPH Brandon	28.0	485445	LANGE, TIMOTHY Paul	28.0	520811	MEADOWS, DANIEL Graham	28.0	500668

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10857080 C	45 mile	10866493 C	45 mile	11064535	45 mile	11410470C	45 mile
11562562	45 mile	11633846 C	45 mile	11748359	45 mile	12010169	45 mile
NA	45 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours

TOTAL	Total is the sum of each column separately							
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Job

Formation Name	Formation Depth (MD) Top	Bottom	Called Out	Date	Time	Time Zone
Form Type		BHST	On Location	10 - Apr - 2013	06:00	MST
Job depth MD	6667. ft	Job Depth TVD	Job Started	10 - Apr - 2013	11:00	MST
Water Depth		Wk Ht Above Floor	Job Completed	10 - Apr - 2013	17:00	MST
Perforation Depth (MD)	From	To	Job Completed	11 - Apr - 2013	13:30	MST
			Departed Loc	11 - Apr - 2013	15:00	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
Open Hole				8.75				610.	7534.		
Surface Casing	Unknown		9.625	8.921	36.		J-55	.	611.		
4" XT-39 Drill Pipe	Unknown		4.	.				.	6684.		
2 7/8" Tubing Stinger	Unknown		2.875	.	6.5			5842.	6667.		

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

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Job

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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	Total Mix Fluid Gal/sk
1	CS-3 SPACER	CS-3 SPACER (NO SAP# - LOCAL PRICING) (45)	40	bbl	13.5	2.65	15.98
	0 gal/bbl	FRESH WATER					
	282.8 lbm/bbl	BARITE, BULK (100003681)					
	0.845 lbm/bbl	SA-1015, 50 LB SACK (102077046)					
2	PLUGCEM 15.8# Plug 1	PLUGCEM (TM) SYSTEM (452969)	220	sacks	15.8	1.15	5.0
	5 Gal	FRESH WATER					
4	CS-3 SPACER	CS-3 SPACER (NO SAP# - LOCAL PRICING) (45)	40	bbl	13.5	2.65	15.98
	0 gal/bbl	FRESH WATER					
	282.8 lbm/bbl	BARITE, BULK (100003681)					
	0.85 lbm/bbl	SA-1015, 50 LB SACK (102077046)					
5	PLUGCEM 15.8# Plug 2	PLUGCEM (TM) SYSTEM (452969)	220	sacks	15.8	1.15	5.0
	5 Gal	FRESH WATER					
7	CS-3 SPACER	CS-3 SPACER (NO SAP# - LOCAL PRICING) (45)	40	bbl	13.5	2.65	15.98
	0 gal/bbl	FRESH WATER					
	282.8 lbm/bbl	BARITE, BULK (100003681)					
	0.85 lbm/bbl	SA-1015, 50 LB SACK (102077046)					
8	PLUGCEM 15.8# PLUG #3	PLUGCEM (TM) SYSTEM (452969)	220	sacks	15.8	1.15	5.0
	5 Gal	FRESH WATER					
9	CS-3 SPACER	CS-3 SPACER (NO SAP# - LOCAL PRICING) (45)	10	bbl	13.5	2.65	15.98
	0 gal/bbl	FRESH WATER					
	282.8 lbm/bbl	BARITE, BULK (100003681)					
	0.85 lbm/bbl	SA-1015, 50 LB SACK (102077046)					
10	PLUGCEM 15.8	PLUGCEM (TM) SYSTEM (452969)	275	sacks	15.8	1.15	5.0
Calculated Values		Pressures		Volumes			
Displacement		Shut In: Instant		Lost Returns		Cement Slurry	Pad
Top Of Cement		5 Min		Cement Returns		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			