

LEED CEMENT REPORT

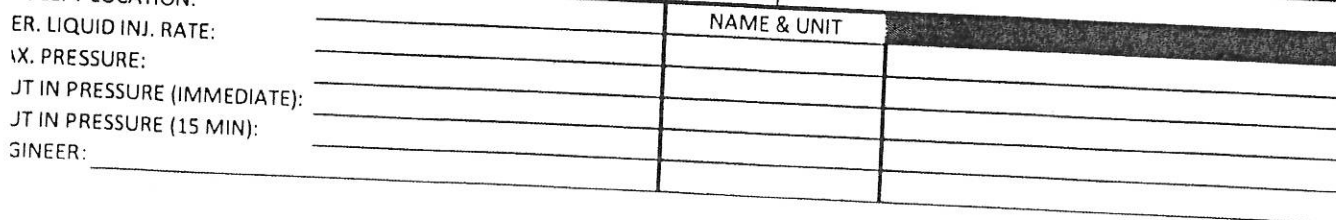
OPERATOR: <u>Noble</u>	DATE: <u>8-28-17</u>	API# <u>05-123-05188</u>
LEASE NAME: <u>Brown + Manning 1</u>	RIG# <u>REC 34</u>	COUNTY: <u>WELD</u>

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5
CEMENT DATE:	<u>8-28-17</u>				
SIZE OF HOLE OR PIPE IN WHICH PLUG PLACED:	<u>10 3/4</u>				
DEPTH TO BOTTOM OF TUBING OR DRILL PIPE:	<u>278</u>				
SACKS OF CEMENT USED (EACH PLUG):	<u>27.5</u>				
SLURRY VOLUME PUMPED:	<u>5.6</u>				
MEASURED TOP OF PLUG:	<u>221</u>				
SLURRY WT. #/GAL. :	<u>15.8</u>				
TYPE CEMENT:	<u>G</u>				
MUD FLUSH USED BBLs:	<u>0</u>				
CALCIUM CHLORIDE USED LBS:	<u>77</u>				
SUGAR USED LBS:	<u>0</u>				



 SIGNATURE OF CEMENTER OR AUTHORIZED REPRESENTATIVE


 NAME OF CEMENTING CO.



LEED CEMENT REPORT

OPERATOR: <u>Noble</u>	DATE: <u>9-29-17</u>	API# <u>05-123-05185</u>
LEASE NAME: <u>Brown & Manning /</u>	RIG # <u>TBC 34</u>	COUNTY: <u>Weld</u>

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5
CEMENT DATE:		<u>9-29-17</u>			
SIZE OF HOLE OR PIPE IN WHICH PLUG PLACED:		<u>12" / 10 3/4"</u>			
DEPTH TO BOTTOM OF TUBING OR DRILL PIPE:		<u>330</u>			
SACKS OF CEMENT USED (EACH PLUG):		<u>53.7</u>			
SLURRY VOLUME PUMPED:		<u>11</u>			
MEASURED TOP OF PLUG:		<u>250</u>			
SLURRY WT. #/GAL. :		<u>15.8</u>			
TYPE CEMENT:		<u>G</u>			
MUD FLUSH USED BBLs:		<u>0</u>			
CALCIUM CHLORIDE USED LBS:		<u>0</u>			
SUGAR USED LBS:		<u>0</u>			



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The Road to Excellence Starts with Safety

Sold To #: 345242	Ship To #: 3828585	Quote #:	Sales Order #: 0904366732
Customer: NOBLE ENERGY INC E-BUSINESS		Customer Rep: PETE BURNS	
Well Name: Brown & Manning	Well #: 1	API/UWI #: 05-123-05188	
Field:	City (SAP): KERSEY	County/Parish: WELD	State: COLORADO
Legal Description:			
Contractor: UNKNOWN		Rig/Platform Name/Num: WORKOVER RIG	
Job BOM: 7528 7528			
Well Type: GAS			
Sales Person: HALAMERICA\HB70026		Srvc Supervisor: Vitalijs Neverdasovs	
Job			

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	5043ft 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		5.5	4.95	15.5			0	271		0
Casing	3	10.75	10.192	32.75			0	280	0	0

Tools and Accessories

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	Mud Flush III (Powder)	Mud Flush III	10	bbl	8.4				
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
2	PLUG #1	HALCEM (TM) SYSTEM	100	sack	15.8	1.15		2	5
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 ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal

3	Mud Flush III (Powder)	Mud Flush III	10	bbl	8.4				
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	Plug 2	HALCEM (TM) SYSTEM	100	sack	15.8	1.15		2	5
5 Gal		FRESH WATER							
Comment : ESIMATED TOP OF FIRST PLUG 4782'. ESTIMATED TOP OF 2 ND PLUG 3049'									