

LEED CEMENT REPORT

OPERATOR: <i>Noble</i>	DATE: <i>12-1-17</i>	API# <i>05-123-34348</i>
LEASE NAME: <i>Ky Blue D30.32</i>	RIG # <i>Ranger 10</i>	COUNTY: <i>We/d</i>

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5
CEMENT DATE:	<i>12-1</i>				
SIZE OF HOLE OR PIPE IN WHICH PLUG PLACED:	<i>8 5/8</i>				
DEPTH TO BOTTOM OF TUBING OR DRILL PIPE:	<i>394</i>				
SACKS OF CEMENT USED (EACH PLUG):	<i>144</i>				
SLURRY VOLUME PUMPED:	<i>30</i>				
MEASURED TOP OF PLUG:	<i>0</i>				
SLURRY WT. #/GAL. :	<i>15.8</i>				
TYPE CEMENT:	<i>Gas Check</i>				
MUD FLUSH USED BBLS:	<i>0</i>				
CALCIUM CHLORIDE USED LBS:	<i>0</i>				
SUGAR USED LBS:	<i>1012</i>				

[Signature]
SIGNATURE OF CEMENTER OR AUTHORIZED REPRESENTATIVE

NAME OF CEMENTING CO.



96169

Cement Ticket

Rig #

Rig 10

Customer Name	Date Of Service:
Noble Energy	11/29/2017

Location	Equipment
KY Blue D 30-32	BMTR101

Billing			
Description	Qty	Rate	Total
P and A Charge(Each)	1.00 @	\$2,000.00	\$2,000.00
Mileage(Miles)	40.00 @	\$4.00	\$160.00
G Cement (Bags)	100.00 @	\$15.00	\$1,500.00
Data Acquisition (Each)	1.00 @	\$225.00	\$225.00
Iron Inspection (Each)	1.00 @	\$500.00	\$500.00
Sugar(Lbs)	50.00 @	\$2.00	\$100.00
Water Delivery (Barrels)	@		
Description	Qty	Rate	Total
Miscellaneous	@		
Discount:			\$0.00 (0.00%)
TOTAL BILLABLE AMOUNT			\$4,485.00

Description Of Work	Start Time 05:00 am	Stop Time 12:00 pm
<p>Drive to location sign JSA spotting equipment (2 3/8 4.7 # tubing at 4974' 4 1/2 11.6# casing) have a safety meeting w/ rig crew sing JSA rig up cement equipment pressure test equipment to 2500 psi establish circulation mix 60 sx 12.28 bbls 15.8 # slurry of CGNC verify by mud scale, pump it down tubing for a balance plug displace with 16 bbls of fresh water release pressure to cement mixing tub, rig down and stand by for second plug) ((EOT at 2500') revisit JSA pressure test equipment to 2500 psi mix and pump 40 sx 8.19 bbls 15.8 # slurry of CGNC verify by mud scale, displace with 7 bbls of fresh water release presure wash equipment to cement tank rig down and move out of location.</p>		

Payroll Section						
	Employee	Emp #	Rev Hrs.	Travel Hrs.	Non Rev Hrs.	Total
Supervisor	Jaime, Gustavo	HGR010484	0.00	0.00	0.00	0.00
Operator	Cisneros, Hector	HGR010397	7.00	0.00	0.00	7.00
Derrick	Garcia, Roger	HGR010713	7.00	0.00	0.00	7.00
FloorHand	Campa, Nicolas	HGR010815	7.00	0.00	0.00	7.00
FloorHand	Sefcovic, Joseph	HGR010822	7.00	0.00	0.00	7.00

No Unreported Incidents Per
My Signature

Ranger Tool Pusher

Customer/Agent:

The Road to Excellence Starts with Safety

Sold To #: 345242	Ship To #: 2915651	Quote #:	Sales Order #: 0904472373
Customer: NOBLE ENERGY INC E-BUSINESS		Customer Rep: Stewart Setchfield	
Well Name: KY BLUE -D-	Well #: 30-32	API/UWI #: 05-123-34348-00	
Field: WATTENBERG	City (SAP): HUDSON	County/Parish: WELD	State: COLORADO
Legal Description: NE SE-25-3N-65W-2489FSL-212FEL			
Contractor: Stewart Setchfield		Rig/Platform Name/Num: WORKOVER	
Job BOM: 7528 7528			
Well Type: VERTICAL GAS			
Sales Person: HALAMERICA\HB70026		Srv Supervisor: Aaron Smith	
Job			

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type	BHST		
Job depth MD	920ft		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		4.5	4	11.6			0	4500		0
Tubing		2.375	1.995	4.7			0	4500		0

Tools and Accessories

Fluid Data

Stage/Plug #: 1

Cement Left In Pipe	Amount	ft	Reason	Shoe Joint
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Fluid Data

Stage/Plug #: 2

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	20	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	13 lb/gal Tuned Spacer III	Tuned Spacer III	20	bbl	13	2.36			
33.86 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 Mix Fluid Gal
3	CC Water		10	bbl	8.33			2	
39.06 lbm/bbl		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
4	Super Flush 101	Super Flush 101	10	bbl	10				
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
5	Plugcem HE	HALCEM (TM) SYSTEM	125	sack	14.8	1.45		2	6.96
Cement Left In Pipe Amount ft Reason Shoe Joint									
Comment									