



# Well Services

Date: 10/29/18 –11/2/18

Operator: Noble Energy Inc.

Well Name: Hamilton 25-11B

Legal Location: NESW Sec. 25 T5N R65W

API # 05-123-16495-00

Job Log

Weld County

10/29/18: MI RU, check psi: 700/700/0 psi, pressure test pump lines and BOP's, controlled well with 120 BBLs of water, ND WH, NU BOP's, SWI.

10/30/18: Check psi: 0/20/0 psi, blow pressure down, TOOH, tally and stand back 216 JTS and lay down the rest on float, RU WL to go in and set CIBP @6629', RD WL, TIH with 213 JTS to tag plug @6629', circulate well with water, pressure test plug to 1000 psi, held good, RU CMT equipment to pump 20sxs balance plug (6629'-6280'), RD CMT equipment, lay down 30 JTS, reverse circulate, SWI.

10/31/18: Check psi: 0/0/0 psi, TOOH, stand back 82 JTS and lay down the rest on float, RU WL to go in and cut CSG @2500', RD WL, circulate well with water, ND BOP's and WH, UNLAND CSG, NU BOP's, lay down 25-4 ½ JTS on float, SWI.

11/1/18: Check psi: 0/0 psi, continue to lay down CSG (59 JTS total), TIH with 82 JTS and 1-10'sub (EOT@2545'), circulate well, RU CMT equipment to condition well and to pump 200sxs of CMT (2545'-1988'), RD CMT equipment, lay down 57 JTS (EOT@772'), RU CMT equipment to condition well and to pump CMT up to surface, lay down TBG, ND BOP's and WH, top off well with CMT (372sxs top plug), SWI.

11/2/18: Check psi: 0 psi, RU CMT equipment to top off well with 61sxs of CMT, SWI, RD MO.

**\*\*\*All cement is 15.8 # Class "G" neat cement\*\*\***

Cementing Contractor: SPN Well Services

Cementing Contractor Supervisor: Matt Bulinski

Operator Supervisor: Jorge Nava

State Representative: John Montoya

Wireline Contractor: SPN Well Services – E - Line

# LEED CEMENT REPORT

OPERATOR: <i>Noble</i>	DATE: <i>10-30-18</i>	API# <i>08-123-16475</i>
LEASE NAME: <i>Hamilton 25-11B</i>	RIG # <i>SPU 711</i>	COUNTY: <i>Weld</i>

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5
CEMENT DATE:	<i>10-30-18</i>	<i>1 Nov</i>	<i>1 Nov</i>	<i>2 Nov</i>	
SIZE OF HOLE OR PIPE IN WHICH PLUG PLACED:	<i>4 1/2"</i>	<i>4 1/2" 9"</i>	<i>8 5/8" 9"</i>	<i>8 5/8"</i>	
DEPTH TO BOTTOM OF TUBING OR DRILL PIPE:	<i>6629'</i>	<i>2345'</i>	<i>112'</i>	<i>NONE</i>	
SACKS OF CEMENT USED (EACH PLUG):	<i>20</i>	<i>200</i>	<i>312</i>	<i>61 SKS</i>	
SLURRY VOLUME PUMPED:	<i>5.4</i>	<i>41</i>	<i>76.1</i>	<i>12.5</i>	
MEASURED TOP OF PLUG:	<i>6280'</i>	<i>1986'</i>	<i>Surface</i>	<i>SURFACE</i>	
SLURRY WT. #/GAL. :	<i>15.8</i>	<i>15.8</i>	<i>15.8</i>	<i>15.8</i>	
TYPE CEMENT:	<i>6/812</i>	<i>67</i>	<i>67</i>	<i>0</i>	
MUD FLUSH USED BBLs:	<i>0</i>	<i>10 bbls</i>	<i>10 bbls</i>	<i>0</i>	
CALCIUM CHLORIDE USED LBS:	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	
SUGAR USED LBS:	<i>0</i>	<i>0</i>	<i>150 lbs</i>	<i>50</i>	

SIGNATURE OF CEMENTER OR AUTHORIZED REPRESENTATIVE

*SPU*

NAME OF CEMENTING CO.