

LEED CEMENT REPORT

OPERATOR: <u>Noble</u>	DATE: <u>5-31-18</u>	API# <u>05-122-19252</u>
LEASE NAME: <u>SWANSON 29-11</u>	RIG # <u>715</u>	COUNTY: <u>Wend</u>

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5
CEMENT DATE:	<u>5-31-18</u>	<u>5-31-18</u>	<u>5-31-18</u>		
SIZE OF HOLE OR PIPE IN WHICH PLUG PLACED:	<u>4 1/2"</u>	<u>4 1/2"</u>	<u>4 1/2"</u>		
DEPTH TO BOTTOM OF TUBING OR DRILL PIPE:	<u>7039'</u>	<u>2500'</u>	<u>566'</u>		
SACKS OF CEMENT USED (EACH PLUG):	<u>35</u>	<u>25</u>	<u>50</u>		
SLURRY VOLUME PUMPED:	<u>9.4</u>	<u>5.1</u>	<u>10.2</u>		
MEASURED TOP OF PLUG:	<u>6428'</u>	<u>2170'</u>	<u>surface</u>		
SLURRY WT. #/GAL. :	<u>15.8</u>	<u>15.8</u>	<u>15.8</u>		
TYPE CEMENT:	<u>Silica</u>	<u>G</u>	<u>G</u>		
MUD FLUSH USED BBLs:	<u>0</u>	<u>0</u>	<u>0</u>		
CALCIUM CHLORIDE USED LBS:	<u>0</u>	<u>0</u>	<u>0</u>		
SUGAR USED LBS:	<u>0</u>	<u>0</u>	<u>50</u>		


 SIGNATURE OF CEMENTER OR AUTHORIZED REPRESENTATIVE

SPN
 NAME OF CEMENTING CO.



Well Services

Date: 5/29/18 –5/31/18

Operator: Noble Energy Inc.

Well Name: Swanson 29-11

Legal Location: NENE Sec. 29 T6N R66W

API # 05-123-19252-00

Job Log

Weld County

5/29/18: MI, RU, check psi: 450/450/0 psi, pressure test pump lines and BOPs, SWI.

5/30/18: Check psi: 450/450/0 psi, blow pressure down, circulate well with 140 BBLs of water, ND WH, NU BOPs, TOOH, tally and stand back 218 JTS and lay down the rest on float, RU WL to go in and set CIBP @7039', RD WL, load well with 20 BBLs of water, pressure test plug to 500 psi, held good, TIH with 220 JTS, SWI.

5/31/18: Check psi: 0/0/0 psi, run in 3 JTS and 2-10'subs to tag plug @7039', RU CMT equipment to pump 35sxs balance plug (7039'-6428'), lay down 143 JTS to leave 80 JTS in the hole (EOT @2500'), RU CMT equipment to pump 25sxs balance plug (2500'-2170'), lay down 62 JTS to leave 18 JTS in hole (EOT@566'), pump CMT up to surface, lay down TBG, top off well with CMT (50sxs top plug), SWI, RD MO.

All cement is 15.8 # Class "G" neat cement

Cementing Contractor: SPN Well Services

Cementing Contractor Supervisor: Matt Bulinski

Operator Supervisor: Dallas Russell/Jorge Nava

State Representative: Shaun O'Donnell

Wireline Contractor: SPN Well Services – E - Line