

LEED CEMENT REPORT

OPERATOR: <u>Noble</u>	DATE: <u>10-10-18</u>	API# <u>05-123-21346</u>
LEASE NAME: <u>Dumler 9-27</u>	RIG # <u>719</u>	COUNTY: <u>Weid</u>

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5
CEMENT DATE:	<u>10-10-18</u>	<u>10-12-18</u>	<u>10-15-18</u>	<u>10-16-18</u>	
SIZE OF HOLE OR PIPE IN WHICH PLUG PLACED:	<u>4 1/2</u>	<u>9"</u>	<u>8 7/8-9"</u>	<u>8 7/8</u>	
DEPTH TO BOTTOM OF TUBING OR DRILL PIPE:	<u>6690'</u>	<u>2330'</u>	<u>692'</u>	<u>202'</u>	
SACKS OF CEMENT USED (EACH PLUG):	<u>20</u>	<u>290</u>	<u>329</u>	<u>31</u>	
SLURRY VOLUME PUMPED:	<u>5.4</u>	<u>39.5</u>	<u>67.4</u>	<u>6.4</u>	
MEASURED TOP OF PLUG:	<u>6341'</u>	<u>1778'</u>	<u>Surface</u>	<u>TOP OF</u>	
SLURRY WT. #/GAL. :	<u>15.8</u>	<u>15.8</u>	<u>15.8</u>	<u>15.8</u>	
TYPE CEMENT:	<u>Silica</u>	<u>bas check</u>	<u>G</u>	<u>G</u>	
MUD FLUSH USED BBLS:	<u>0</u>	<u>20</u>	<u>20</u>	<u>0</u>	
CALCIUM CHLORIDE USED LBS:	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	
SUGAR USED LBS:	<u>0</u>	<u>50</u>	<u>50</u>	<u>50</u>	


 SIGNATURE OF CEMENTER OR AUTHORIZED REPRESENTATIVE


 NAME OF CEMENTING CO.



Well Services

Date: 10/9/18 –10/16/18

Operator: Noble Energy Inc.

Well Name: Dumler 9-27

Legal Location: NESE Sec. 27 T5N R65W

API # 05-123-21346-00

Job Log

Weld County

10/9/18: MI RU, check psi: 1100/1100/0 psi, pressure test pump lines and BOP's, blow pressure down, controlled well with 150 BBLs of water, ND WH, NU BOP's, TOOH, tally and stand back 212 JTS and lay down the rest on float, SWI.

10/10/18: Check psi: 0/0 psi, RU WL to go in and set CIBP @6690', RD WL, TIH with 212 JTS to tag plug @6690', circulate well with 70 BBLs of water, pressure test plug to 1000 psi, held good, RU CMT equipment to pump 20sxs balance plug (6690'-6341'), RD CMT equipment, TOOH, stand back 72 JTS and lay down the rest on float, SWI.

10/11/18: Check psi: 0/0 psi, load well with 8 BBLs of water, RU WL to go in and cut CSG @2270', RD WL, condition well with water, ND BOP's and WH, UNLAND CSG, NU BOP's, TOOH, lay down 56-4 ½ JTS on float, SWI.

10/12/18: Check psi: 0 psi, TIH with 74 JTS (EOT@2330'), RU CMT equipment to condition well and to pump 190sxs (2330'-1778'), RD CMT equipment, TOOH, stand back 56 JTS and lay down the rest on float, SWI.

10/15/18: Check psi: 0 psi, TIH with 22 JTS (EOT@692'), 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 (329sxs top plug), SWI.

10/16/18: Check psi: 0 psi, tag CMT @102', top off well with 31sxs, SWI, RD MO.

*****All cement is 15.8 # Class "G" & Gas Check neat cement*****

Cementing Contractor: SPN Well Services

Cementing Contractor Supervisor: Matt Bulinski

Operator Supervisor: Brian Murray

State Representative: Adam Kraich

Wireline Contractor: SPN Well Services – E - Line