

LEED CEMENT REPORT

OPERATOR: <i>Noble</i>	DATE: <i>7-5-18 - 7-7-18</i>	API# <i>05-123-22827</i>
LEASE NAME: <i>Carpio A26-04</i>	RIG # <i>SPN 715</i>	COUNTY: <i>Weld</i>

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5
CEMENT DATE:	<i>7-5-18</i>	<i>7-5-18</i>	<i>7-5-18</i>	<i>7-7-18</i>	
SIZE OF HOLE OR PIPE IN WHICH PLUG PLACED:	<i>4 1/2</i>	<i>4 1/2</i>	<i>4 1/2" x 9"</i>	<i>4 1/2" x 8 3/8" x 9"</i>	
DEPTH TO BOTTOM OF TUBING OR DRILL PIPE:	<i>6508'</i>	<i>4028'</i>	<i>2376'</i>	<i>1169'</i>	
SACKS OF CEMENT USED (EACH PLUG):	<i>20</i>	<i>55</i>	<i>165</i>	<i>440</i>	
SLURRY VOLUME PUMPED:	<i>5.4</i>	<i>14.9</i>	<i>33.8</i>	<i>90</i>	
MEASURED TOP OF PLUG:	<i>6108'</i>	<i>2068'</i>	<i>2244</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>G/S.10a</i>	<i>G/S.10a</i>	<i>G</i>	<i>G</i>	
MUD FLUSH USED BBLS:	<i>0</i>	<i>0</i>	<i>10</i>	<i>10</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>50</i>	<i>100</i>	

Matt Babinshi

 SIGNATURE OF CEMENTER OR AUTHORIZED REPRESENTATIVE

SPN

 NAME OF CEMENTING CO.



Date: 6/29/18 - 7/7/18

Operator: Noble Energy Inc.

Well Name: Carpio A 26-04

Legal Location: NWNW Sec. 26 T6N R64W

API # 05-123-22827-00

Job Log

Weld County

6/29/18: Move in, rig up, pressure test pump lines and BOP's, SWI.

7/2/18: Check psi: 850/800/3 psi, blow pressure down, circulate well with 145 BBLs of water, ND WH, NU BOP's, TOOH, tally and stand back 207 JTS, RU WL to go in and set CIBP @6508', loaded well with 55 BBLs of water, pressure test plug to 1000 psi, held good, SWI.

7/3/18: Check psi: 600/0 psi, blow pressure down, SWI.

7/5/18: Check psi: 0/0 psi, TIH with 196 JTS and 2-10' subs to tag plug @6508', RU CMT equipment to pump 20sxs balance plug (6508'-6108'), RD CMT equipment, lay down TBG to leave 122 JTS in the hole (EOT@4028'), RU CMT equipment to pump 55sxs balance plug (4028'-3068'), RD CMT equipment, TOOH, stand back 72 JTS and lay down the rest on float, RU WL to go in and shoot squeeze holes @2464', RD WL, load well and establish injection rate, TIH with CIGR and 72 JTS to set retainer @2376', pressure test back side to 500 psi, held good, RU CMT equipment to condition well and to pump 155sxs through retainer and 10sxs on top of retainer (2376'-2244'), RD CMT equipment, TOOH, stand back 36 JTS and lay down the rest on float, SWI.

7/6/18: Check psi: 0/0 psi, RU WL to go in and cut CSG @1119', RD WL, condition well with water, ND BOP's and WH, UNLAND CSG, NU BOP's, TOOH, lay down 26-4 ½ JTS on float, change equipment to 2 3/8, SWI.

7/7/18: Check psi: 0/0 psi, TIH with 35 JTS and 1-10' sub (EOT@1169'), RU CMT equipment to condition well and to pump CMT up to surface, lay down TBG, ND BOP's, top off well with CMT (440sxs 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: Adam Kraich

Wireline Contractor: SPN Well Services – E - Line