

LEED CEMENT REPORT

OPERATOR: <u>NOBLE</u>	DATE: <u>12-18-18</u>	API# <u>05-123-26537</u>
LEASE NAME: <u>KAMMERLEU J29-19</u>	RIG# <u>722</u>	COUNTY: <u>WELD</u>

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5
CEMENT DATE:	<u>12-18-18</u>	<u>12-20-18</u>	<u>1-3-19</u>	<u>1-4-18</u>	
SIZE OF HOLE OR PIPE IN WHICH PLUG PLACED:	<u>4 1/2" #18.6</u>	<u>4 1/2"</u>	<u>4 1/2" + 10"</u>	<u>10" + 8 5/8"</u>	
DEPTH TO BOTTOM OF TUBING OR DRILL PIPE:	<u>7325'</u>	<u>5700'</u>	<u>1160'</u>	<u>1193'</u>	
SACKS OF CEMENT USED (EACH PLUG):	<u>20</u>	<u>35</u>	<u>150</u>	<u>456</u>	
SLURRY VOLUME PUMPED:	<u>5.4</u>	<u>9.5</u>	<u>30</u>	<u>93.2</u>	
MEASURED TOP OF PLUG:	<u>6976'</u>	<u>4685'</u>	<u>1410'</u>	<u>SURFACE</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>SILICA</u>	<u>G</u>	<u>G</u>	
MUD FLUSH USED BBLs:	<u>0</u>	<u>0</u>	<u>10</u>	<u>10</u>	
CALCIUM CHLORIDE USED LBS:	<u>0</u>	<u>0</u>	<u>0</u>	<u>-</u>	
SUGAR USED LBS:	<u>0</u>	<u>50</u>	<u>50</u>	<u>100</u>	

SERGIO GUTIERREZ
SIGNATURE OF CEMENTER OR AUTHORIZED REPRESENTATIVE

SPW
NAME OF CEMENTING CO.



Well Services

Date: 12/14/18 -1/4/18

Operator: Noble Energy Inc.

Well Name: Kammerzell J 29-19

Legal Location: NENW Sec. 29 T5N R66W

API # 05-123-26537-00

Job Log

Weld County

12/17/18: MI RU, pressure test pump lines and BOP's, controlled well with 125 BBLs of water, ND WH, NU BOP's, TOO H, tally and stand back 120 JTS, SWI.

12/18/19: Check psi: 20/0/0 psi, TOO H, stand back a total of 238 JTS, RU WL to go in and set CIBP @7325', RD WL, load well with water, pressure test plug to 1000 psi, held good, TIH with 238 JTS to tag plug, RU CMT equipment to pump 20sxs balance plug (7325'-6976'), RD CMT equipment, lay down 66 JTS, SWI.

12/19/18: Check psi: 0/0/0 psi, SWI.

12/20/18: Check psi: 0/0/0 psi, TOO H, stand back 154 JTS and lay down the rest on float, TIH with 172 JTS (EOT@5300'), RU CMT equipment to pump 35sxs balance plug (5300'-4688'), TOO H, stand back 56 JTS and lay down the rest on float, RU WL to go in and cut CSG @1710', RD WL, circulate well with fresh water, SWI.

1/2/19: Check psi: 0/0 psi, ND BOP's and WH, UNLAND CSG, NU BOP's, TOO H, lay down 42-4 ½ JTS on float, SWI.

1/3/19: Check psi: 0 psi, TIH with 57 JTS (EOT@1760'), RU CMT equipment to condition well and to pump 150sxs balance plug (1760'-1410'), RD CMT equipment, lay down 19 JTS to leave EOT @1193', circulate well with fresh water, SWI.

1/4/19: Check psi: 0/0 psi, RU CMT equipment to condition well and to pump CMT up to surface, lay down TBG, ND BOP's, top off well with CMT (456sxs 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: CJ Smith

State Representative: Adam Kraich

Wireline Contractor: SPN Well Services – E - Line