

## LEED CEMENT REPORT

|  |                      |                          |
|--|----------------------|--------------------------|
| OPERATOR: <u>Noble</u>                     | DATE: <u>7-10-18</u> | API# <u>05-127-26435</u> |
| LEASE NAME: <u>Wells ranch usx AA19-16</u> | RIG # <u>715</u>     | COUNTY: <u>Ward</u>      |

|  | PLUG #1        | PLUG #2        | PLUG #3            | PLUG #4 | PLUG #5 |
|--|----------------|----------------|--------------------|---------|---------|
| CEMENT DATE:                               | <u>7-10-18</u> | <u>7-10-18</u> | <u>7-11-18</u>     |         |         |
| SIZE OF HOLE OR PIPE IN WHICH PLUG PLACED: | <u>4 1/2</u>   | <u>4 1/2</u>   | <u>8 5/8-9 1/2</u> |         |         |
| DEPTH TO BOTTOM OF TUBING OR DRILL PIPE:   | <u>6462'</u>   | <u>2800'</u>   | <u>1048'</u>       |         |         |
| SACKS OF CEMENT USED (EACH PLUG):          | <u>20</u>      | <u>50</u>      | <u>449</u>         |         |         |
| SLURRY VOLUME PUMPED:                      | <u>5.4</u>     | <u>13.5</u>    | <u>92</u>          |         |         |
| MEASURED TOP OF PLUG:                      | <u>6113'</u>   | <u>2926'</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>Silica</u>  | <u>G</u>           |         |         |
| MUD FLUSH USED BBLS:                       | <u>0</u>       | <u>0</u>       | <u>10</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>          |         |         |

Jergis Gutierrez  
 SIGNATURE OF CEMENTER OR AUTHORIZED REPRESENTATIVE

SPN  
 NAME OF CEMENTING CO.



# Well Services

Date: 7/9/18 –7/11/18

Operator: Noble Energy Inc.

Well Name: Wells Ranch USX AA 19-16

Legal Location: SESE Sec. 19 T6N R63W

API # 05-123-26435-00

Job Log

Weld County

7/9/18: MI RU, check psi: 1450/150/0 psi, pressure test pump lines and BOP's, blow pressure down, controlled well with 27 BBLs of water, RU slick line to release dual flapper plug, RD slick line, ND WH, NU BOP's, pick up 1 JT, release PKR, circulate gas out with 78 BBLs of water, TOO H, tally and stand back 204 JTS and lay down the rest on float, SWI.

7/10/18: Check psi: 0/0 psi, RU WL to go in and set CIBP @6462', RD WL, TIH with 207 JTS and 1-10'sub (EOT@6462'), RU CMT equipment to pump 20sxs balance plug (6462'-6113'), lay down 117 JTS to leave 90 JTS in the hole (EOT@2800'), RU CMT equipment to pump 50sxs balance plug (2800'-1926'), TOO H, stand back 34 JTS and lay down the rest on float, RU WL to go in and cut CSG @998', RD WL, condition well with fresh water, SWI.

7/11/18: Check psi: 0/0 psi, ND BOP's and WH, UNLAND CSG, NU BOP's, TOO H, lay down 23-4 ½ JTS, change equipment to 2 3/8, TIH with 34 JTS (EOT@1048'), RU CMT equipment to condition well and to pump CMT up to surface, lay down TBG, ND BOP's, top off well with CMT (449sxs 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: Conor Pesicka**

**Wireline Contractor: SPN Well Services – E - Line**