



Well Services

Date: 10/29/18 –11/2/18

Operator: Noble Energy Inc.

Well Name: Hamilton 25-11B

Legal Location: NESW Sec. 25 T5N R65W

API # 05-123-16495-00

Job Log

Weld County

10/29/18: MI RU, check psi: 700/700/0 psi, pressure test pump lines and BOP's, controlled well with 120 BBLs of water, ND WH, NU BOP's, SWI.

10/30/18: Check psi: 0/20/0 psi, blow pressure down, TOOH, tally and stand back 216 JTS and lay down the rest on float, RU WL to go in and set CIBP @6629', RD WL, TIH with 213 JTS to tag plug @6629', circulate well with water, pressure test plug to 1000 psi, held good, RU CMT equipment to pump 20sxs balance plug (6629'-6280'), RD CMT equipment, lay down 30 JTS, reverse circulate, SWI.

10/31/18: Check psi: 0/0/0 psi, TOOH, stand back 82 JTS and lay down the rest on float, RU WL to go in and cut CSG @2500', RD WL, circulate well with water, ND BOP's and WH, UNLAND CSG, NU BOP's, lay down 25-4 ½ JTS on float, SWI.

11/1/18: Check psi: 0/0 psi, continue to lay down CSG (59 JTS total), TIH with 82 JTS and 1-10' sub (EOT@2545'), circulate well, RU CMT equipment to condition well and to pump 200sxs of CMT (2545'-1988'), RD CMT equipment, lay down 57 JTS (EOT@772'), 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 (372sxs top plug), SWI.

11/2/18: Check psi: 0 psi, RU CMT equipment to top off well with 61sxs of CMT, SWI, RD MO.

*****All cement is 15.8 # Class "G" neat cement*****

Cementing Contractor: SPN Well Services

Cementing Contractor Supervisor: Matt Bulinski

Operator Supervisor: Jorge Nava

State Representative: John Montoya

Wireline Contractor: SPN Well Services – E - Line

LEED CEMENT REPORT

| | | |
|------------------------------------|-----------------------|--------------------------|
| OPERATOR: <i>Noble</i> | DATE: <i>10.30.18</i> | API# <i>08-123-16475</i> |
| LEASE NAME: <i>Hamilton 25-11B</i> | RIG # <i>SPU 711</i> | COUNTY: <i>Weld</i> |

| | PLUG #1 | PLUG #2 | PLUG #3 | PLUG #4 | PLUG #5 |
|--|-----------------|------------------|------------------|----------------|---------|
| CEMENT DATE: | <i>10.30.18</i> | <i>1 Nov</i> | <i>1 Nov</i> | <i>2 Nov</i> | |
| SIZE OF HOLE OR PIPE IN WHICH PLUG PLACED: | <i>4 1/2"</i> | <i>4 1/2" 9"</i> | <i>8 5/8" 9"</i> | <i>8 5/8"</i> | |
| DEPTH TO BOTTOM OF TUBING OR DRILL PIPE: | <i>6629'</i> | <i>2345'</i> | <i>712'</i> | <i>NONE</i> | |
| SACKS OF CEMENT USED (EACH PLUG): | <i>20</i> | <i>200</i> | <i>312</i> | <i>61 SKS</i> | |
| SLURRY VOLUME PUMPED: | <i>5.4</i> | <i>41</i> | <i>76.1</i> | <i>12.5</i> | |
| MEASURED TOP OF PLUG: | <i>6280'</i> | <i>1986'</i> | <i>Surface</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>6/812</i> | <i>G</i> | <i>G</i> | <i>G</i> | |
| MUD FLUSH USED BBLs: | <i>0</i> | <i>10 bbls</i> | <i>10 bbls</i> | <i>0</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>150 lbs</i> | <i>50</i> | |

SIGNATURE OF CEMENTER OR AUTHORIZED REPRESENTATIVE

SPU

NAME OF CEMENTING CO.