

2115 117th Avenue
Greeley, CO 80634

Tel: 970.304.5000
Fax: 970.304.5099

www.nobleenergyinc.com



Land Department

October 11, 2018

Ms. Julie Murphy, Director
Colorado Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801
Denver, Colorado 80203

RE: **COGCC Rule 318A.e.: Proposed Spacing Unit**
D21-16 Pad: SESE Section 21, Township 3 North, Range 64 West
Proposed Wells: Vogler State D21-790
Weld County, Colorado

Dear Director Murphy,

Noble Energy, Inc. (Noble) is planning to drill the above referenced well in accordance with the provisions set out in Colorado Oil and Gas Conservation Commission (COGCC) Rule 318A.e. and Noble's Final Comprehensive Drilling Plan. Noble's Proposed Spacing Unit consists of:

Township 3 North, Range 64 West

Section 15: W2W2

Section 16: E2E2

Section 21: E2E2

Section 22: W2W2

Containing 640 acres, more or less

Noble is not the only owner within the Proposed Spacing Unit and has provided notice to the remaining owners, as required by COGCC Rule 318A.e.(6). Copies of the required notification letters are on file at Noble's office. The required thirty (30) day notice period has lapsed absent the receipt by Noble of any objection to their proposal by the owners within the Proposed Spacing Unit for the subject wells.

If you have any questions or issues, please do not hesitate to contact me at (303) 228-4209 or Matthew.Otness@nblenergy.com should you have any questions.

Very truly yours,

NOBLE ENERGY, INC.

A handwritten signature in blue ink, appearing to read 'Matthew Otness'.

Matthew Otness
Land Supervisor

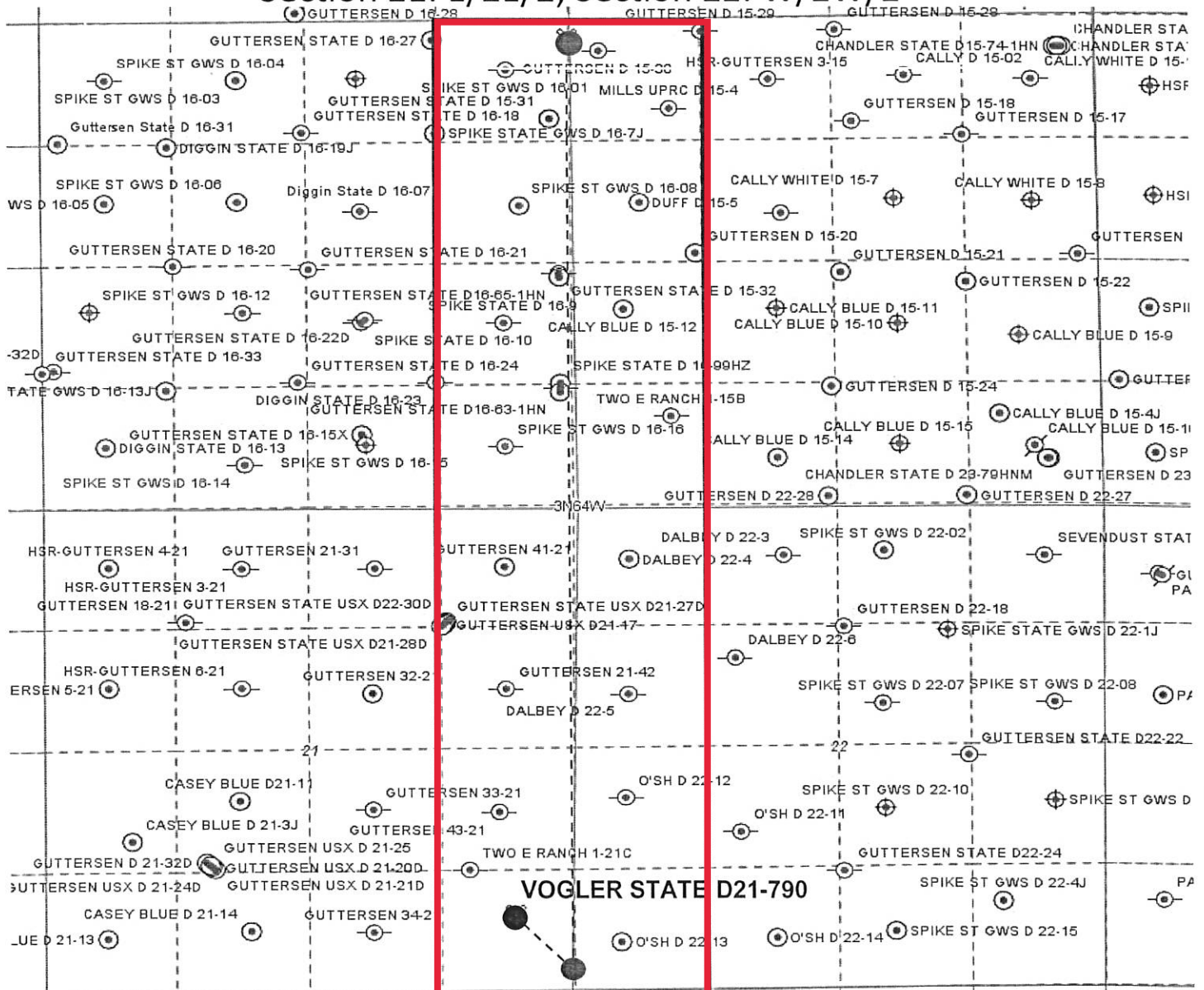
Vogler State D21-790

Proposed Spacing Unit – Noble Energy, Inc

Township 3 North, Range 64 West, 6th P.M.

Section 16: E/2E/2; Section 15: W/2W/2

Section 21: E/2E/2; Section 22: W/2W/2



Legend



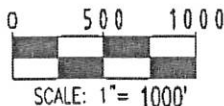
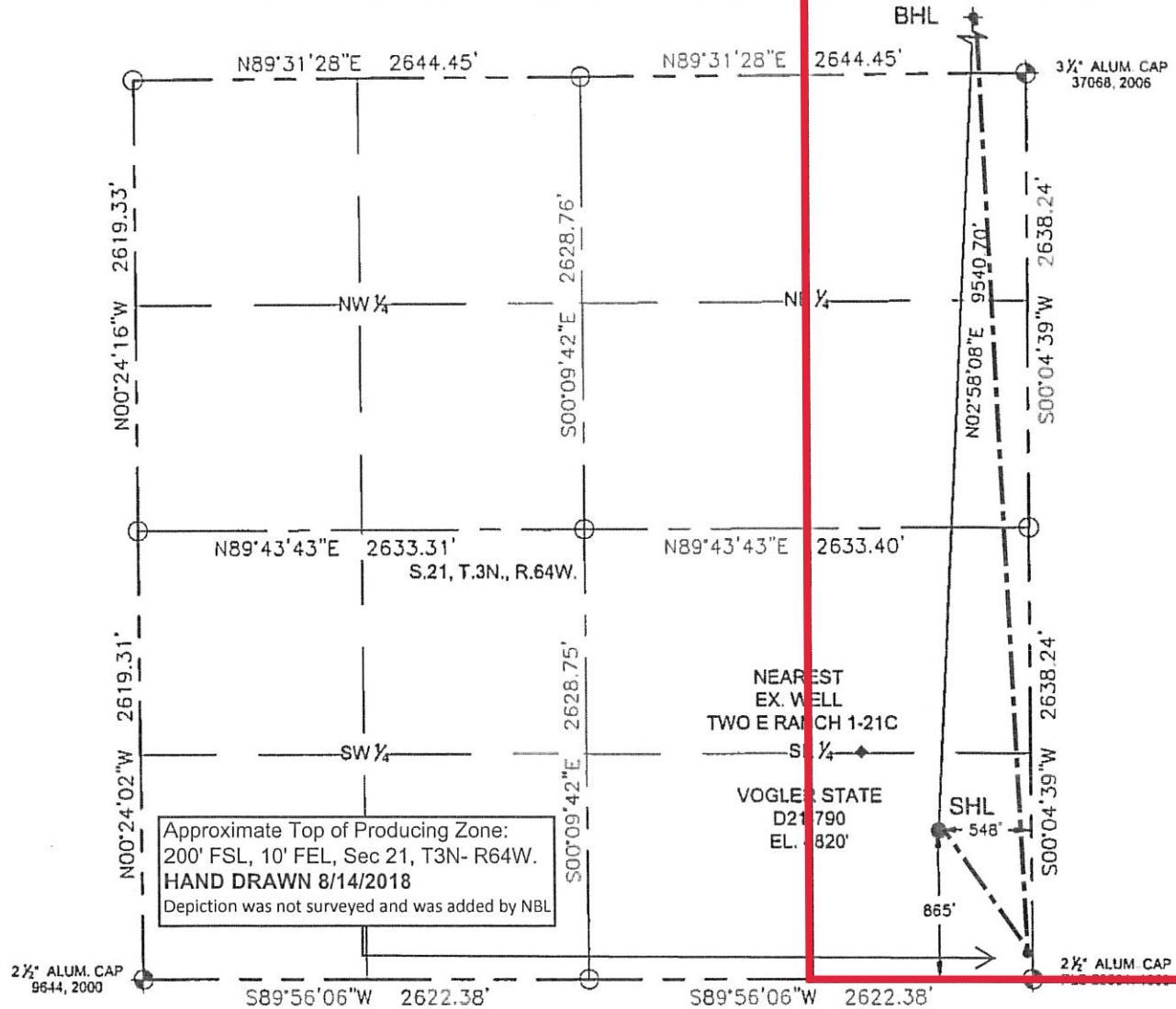
Proposed 640.00± acre spacing unit

Bottom Hole Location

WELL LOCATION EXHIBIT

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 21
TOWNSHIP: 3N
RANGE: 64W



In accordance with a request from Anne Duck with Noble Energy Inc.

Petroleum Field Services, LLC has determined the surface location of the VOGLER STATE D21-790 to be 548' from the EAST line and 865' from the SOUTH line as measured at right angles from the section line of Section 21, Township 3 North, Range 64 West of the Sixth Principal Meridian, County of Weld, State of Colorado, and the bottom hole to be 10' from the EAST line and 200' from the NORTH line as measured at right angles from the section line of Section 16, Township 3 North, Range 64 West of the Sixth Principal Meridian, County of Weld, State of Colorado.

LEGEND

- = FOUND MONUMENT
- = CALCULATED POSITION
- = PROPOSED WELL
- ◆ = BOTTOM HOLE
- ◆ = EXISTING WELL

I hereby state that this Well Location Exhibit was prepared by me, or under my direct supervision, that the fieldwork was completed on 03/27/18 for and on behalf of Noble Energy Inc., that this is not a Land Survey Plat or an Improvement Survey Plat, and that it is not to be relied upon for the establishment of fence, building, or other future Improvement lines.

- Notes:
- 1) Bearings shown are Grid Bearings of the Colorado State Plane Coordinate System, North Zone, North American Datum 1983/2011. The lineal dimensions as shown herein are grid distances based upon the "U S Survey Foot." To get ground distances multiply shown distance by 1.000270632
 - 2) Ground elevations are based on an observed GPS elevation (NAVD 1988 DATUM)
 - 3) NEAREST EXISTING WELL IN SECTION 21 IS TWO E RANCH 121-C. 645' NW
 - 4) IMPROVEMENTS: See LOCATION DRAWING exhibit for all visible improvements within 500' of disturbed area.
 - 5) SURFACE USE "RANGELAND"
 - 6) INSTRUMENT OPERATOR: ALAN HNIZDO

Note:
According to Colorado law, you must commence any legal action based upon any defect in this W.L.C. within three years after you first discover such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years after the date of this certification shown hereon. (13-80-105 C.R.S.)

NEAREST CULTURAL ITEMS (GIS LAND POSITION):
BUILDING 5280+
BUILDING UNIT 5280+
HIGH OCCUPANCY BUILDING UNIT 5280+
DESIGNATED OUTSIDE ACTIVITY AREA 5280+
PUBLIC ROAD 5280+
ABOVE GROUND UTILITY 5280+
RAILROAD 5280+
PROPERTY LINE 548' E

SURFACE LOCATION:
LATITUDE: 40.20600°N
LONGITUDE: 104.54887°W
PDOP: 1.3
ELEV: 4820'
1/4 SE 1/4

BOTTOM HOLE:
LATITUDE: 40.23214°N
LONGITUDE: 104.54673°W



MICHAEL L. POOL, PLS 38304
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC
d b a ASCENT GEOMATICS SOLUTIONS

SHEET 1 OF 2

FIELD DATE: 03-27-18
DRAWING DATE: 07-13-18

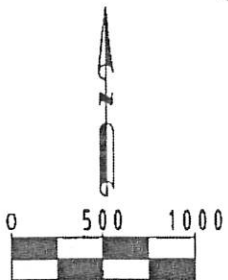
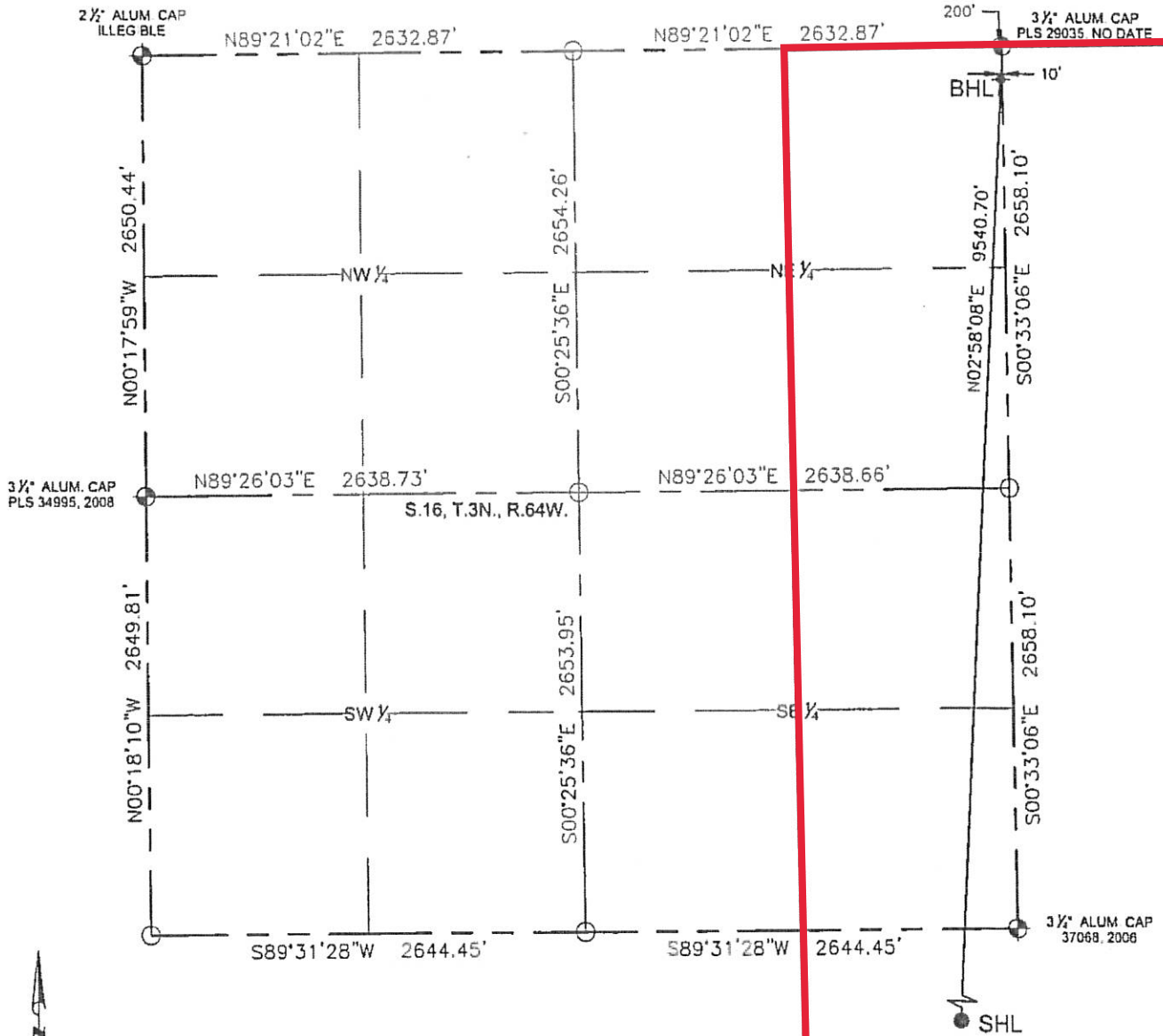
DRAWN BY: MJE

CHECKED BY: RMC

WELL LOCATION EXHIBIT

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 21
TOWNSHIP: 3N
RANGE: 64W



LEGEND

- ⊕ = FOUND MONUMENT
- = CALCULATED POSITION
- = PROPOSED WELL
- ⊙ = BOTTOM HOLE
- ◆ = EXISTING WELL

SHEET 2 OF 2

FIELD
DATE:
03-27-18

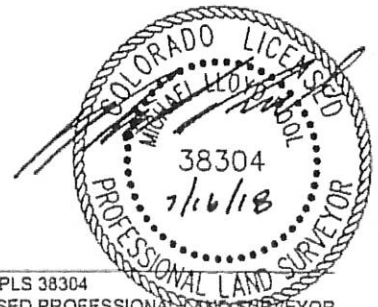
DRAWING
DATE:
07-13-18

DRAWN BY:
MJE

CHECKED BY:
RMC

Note
According to Colorado law, you must commence any legal action based upon any defect in this W.L.C. within three years after you first discover such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years after the date of this certification shown hereon. (13-80-105 C.R.S.)

VOGLER STATE
D21-790
EL. 4820'



MICHAEL L. POOL, PLS 38304
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC
d.b.a ASCENT GEOMATICS SOLUTIONS