

1625 Broadway  
Suite 2000  
Denver, CO 80202

Tel: 303.228.4000  
Fax: 303.228.4280

www.nobleenergyinc.com



October 3, 2011

Colorado Oil and Gas Conservation Commission  
The Chancery Building  
1120 Lincoln Street, Suite 801  
Denver, CO 80203

Attn: Mr. David Neslin, Director

RE: **Abbey State V16-77HN**  
Niobrara New Drill  
Township 2 North, Range 67 West, 6th P.M.  
Section 16: SE/4SW/4: 252' FSL & 1965' FWL (Surface Location)  
Section 16: SE/4SW/4: 729' FSL & 1363' FWL (Begin Production Location)  
Section 16: NW/4NW/4: 535' FNL & 1320' FWL (Bottom Hole Location)  
Weld County, Colorado

Mr. Neslin:

Noble Energy, Inc. ("NEI") is planning to drill the captioned boundary well in accordance with the provisions of COGCC Rule 318A.e.

NEI's proposed wellbore spacing unit consists of the W/2 Sec. 16, T2N, R67W, creating a 320-acre wellbore spacing unit for the Niobrara formation. NEI is not the only owner within the proposed wellbore spacing unit and as such provided notice to the remaining owner(s) within said proposed spacing unit as required under COGCC Rule 318A(l).e(6). Copies of the required notice letter(s) is/are on file at the NEI offices. The required thirty (30) day notice period has elapsed absent the receipt by NEI of an objection to said proposal by the owner(s) within the proposed spacing unit for this well.

Enclosed are copies of the following documents to assist you in your review and approval of NEI's proposed APD for the captioned well:

- Map & plat illustrating proposed wellbore spacing unit.

Thank you for your attention to the enclosed. NEI respectfully requests that the COGCC review the enclosed information and approve the Application for Permit to Drill the captioned well.

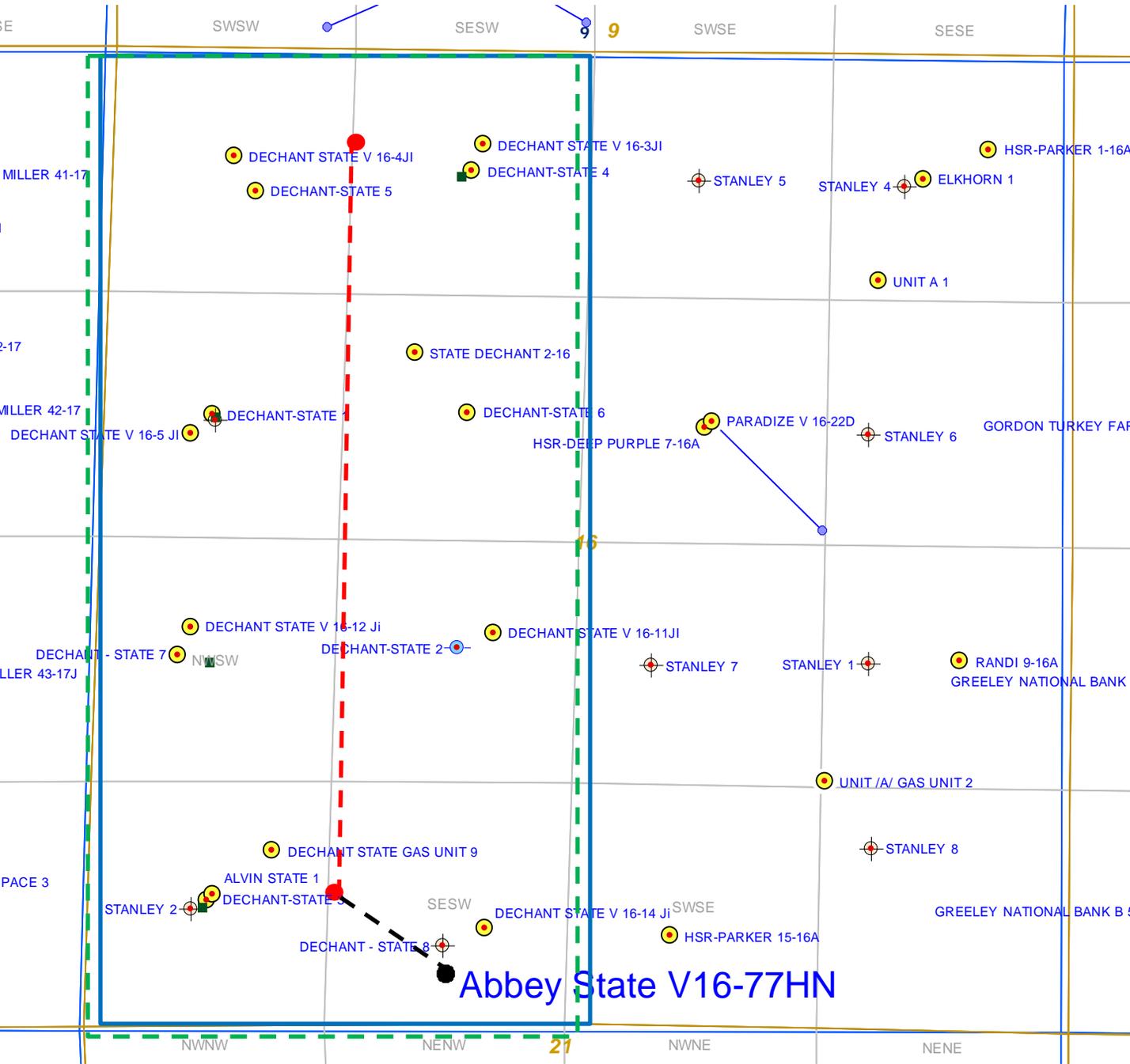
Sincerely,

Justin Garrett  
Regulatory Specialist  
Noble Energy Inc.

# Abbey State V16-77HN

## Proposed Spacing Unit - Noble Energy, Inc

### W/2 Section 16, Township 2 North, Range 67 West



#### Legend



Proposed 320 acre spacing unit



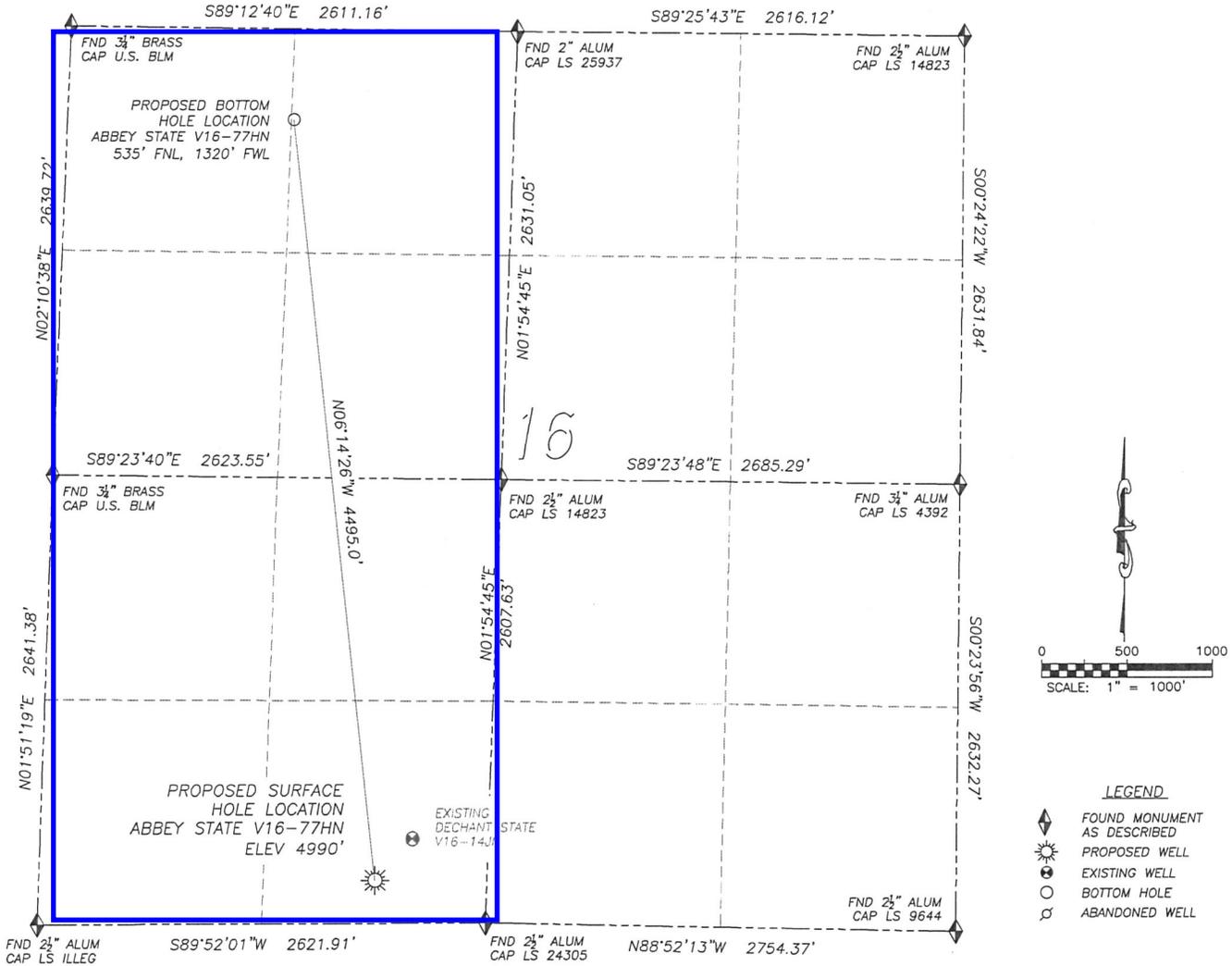
Bottom Hole Location



Bottom Hole Located W/2 Sec. 16, T2N, R67W

WELL LOCATION CERTIFICATE  
 ABBEY STATE V16-77HN

SECTION 16, TOWNSHIP 2 NORTH, RANGE 67 WEST OF THE 6TH PRINCIPAL MERIDIAN



**NAD 83 LATITUDE AND LONGITUDE**

**ABBAY STATE V16-77HN**  
**SURFACE HOLE:**  
 LATITUDE: N40.13187°  
 LONGITUDE: W104.89824°  
 ELEVATION: 4990'  
 FOOTAGE: 252' FSL, 1965' FWL  
 PDOP: 1.9  
 QTR/QTR: SE4/SW4  
 PROP LINE: 222± SOUTH  
**BOTTOM HOLE:**  
 LATITUDE: N40.14413°  
 LONGITUDE: W104.90000°  
 FOOTAGE: 535' FNL, 1320' FWL  
**NEAREST EXISTING WELL:**  
 DECHANT STATE V16-14J SURFACE HOLE  
 LATITUDE: N40.13254°  
 LONGITUDE: W104.89746°  
 ELEVATION: 4990'  
 327' NORTHEAST

IN ACCORDANCE WITH A REQUEST FROM NATE McCORKELL OF NOBLE ENERGY INC., DALEY LAND SURVEYING, INC. HAS DETERMINED THE SURFACE LOCATION OF THE ABBEY STATE V16-77HN WELL TO BE 252' FSL, 1965' FWL, AS MEASURED AT NINETY (90) DEGREES FROM THE SECTION LINES OF SECTION 16, TOWNSHIP 2 NORTH, RANGE 67 WEST OF THE 6TH PRINCIPAL MERIDIAN, WELD COUNTY, COLORADO. THE BOTTOM HOLE LOCATION, PROVIDED BY THE CLIENT, IS TO BE 535' FNL, 1320' FWL.

I HEREBY CERTIFY THAT THIS WELL LOCATION CERTIFICATE WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, THAT THE WORK WAS COMPLETED ON 5/06/2011 FOR AND ON BEHALF OF NOBLE ENERGY, INC., AND THAT THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY, IT IS NOT A LAND SURVEY PLAT OR AN IMPROVEMENT SURVEY PLAT AND IT IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OF FENCE, BUILDING OR OTHER FUTURE IMPROVEMENT LINES.

**NOTES:**

- 1) BEARINGS FOR THIS MAP ARE ASSUMED AND BASED UPON GPS OBSERVATIONS MADE BETWEEN MONUMENTS LOCATED AT THE SOUTHWEST CORNER AND WEST QUARTER CORNER OF SECTION 16, T.2N., R.67W.
- 2) HORIZONTAL DATUM IS NAD83.
- 3) VERTICAL DATUM IS NAVD88. ELEVATIONS ARE DERIVED FROM GPS OBSERVATIONS PROCESSED THROUGH OPUS, UTILIZING THE GEIOD03 MODEL.
- 4) SEE LOCATION DRAWING FOR VISIBLE IMPROVEMENTS WITHIN 600' OF PROPOSED SURFACE HOLE LOCATION.
- 5) SURFACE USE: PASTURE.

NOTICE: 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 such defect in this W.L.C. be commenced more than ten years from the date of the certification shown hereon.



FOR AND ON BEHALF OF  
 DALEY LAND SURVEYING INC.,  
 Robert Daley, PLS 35597