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November 9, 2011  
Colorado Oil and Gas Conservation Commission  
The Chancery Building  
1120 Lincoln Street, Suite 801  
Denver, CO 80203  
Attn: Mr. David Neslin, Director

RE: **LUDWIG H06-31D**  
Codell/Niobrara New Drill  
Township 3 North, Range 65 West, 6th P.M.  
Section 6: NW/4NW/4: 260' FNL & 208' FWL (Surface Location)  
Section 6: NW/4NW/4: 1320' FNL & 75' 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/2NW/4 Sec. 6 and E/2NE/4 Sec. 1, T3N, R65W, creating a 160-acre wellbore spacing unit. 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,

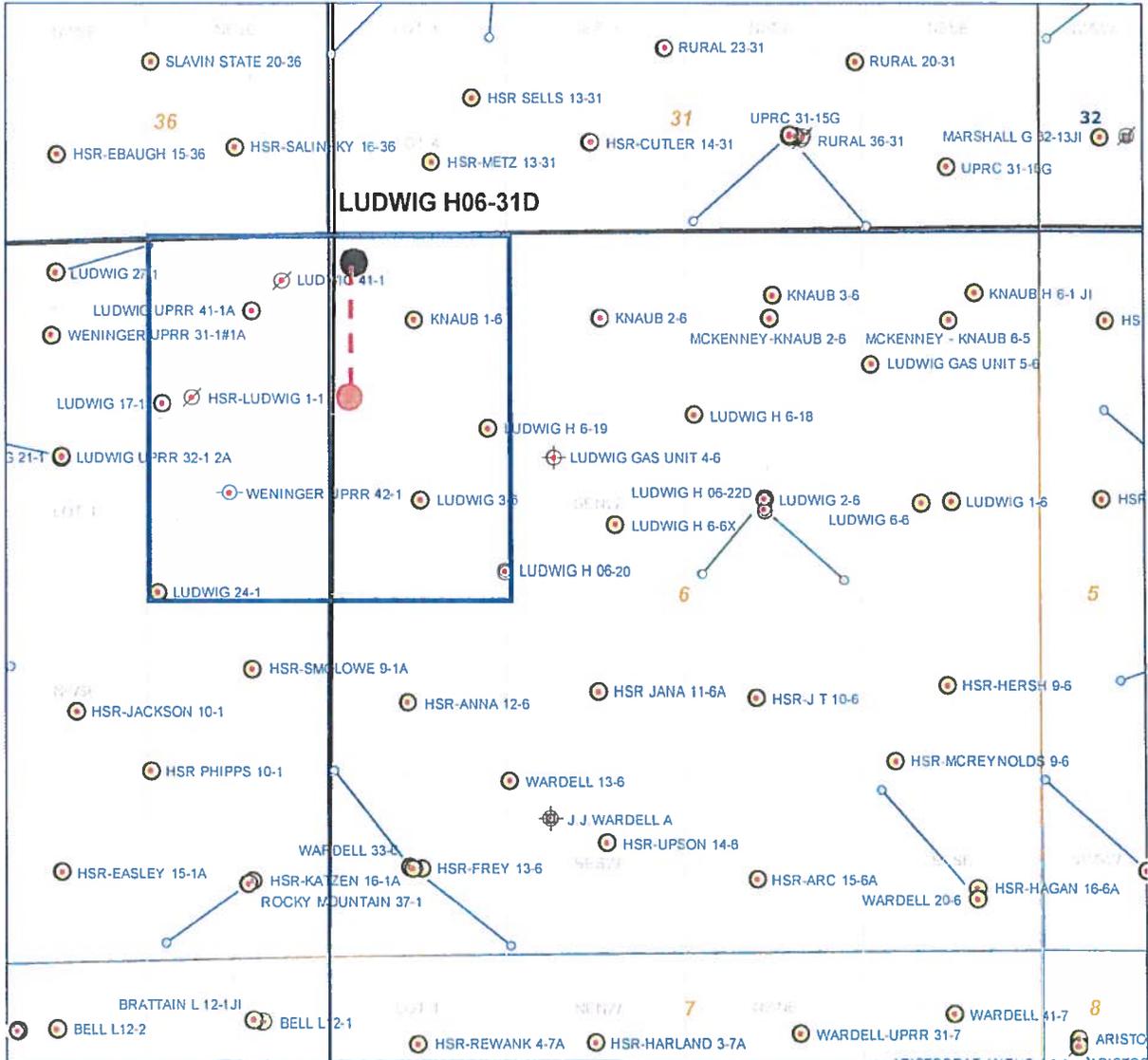
A handwritten signature in blue ink, appearing to read 'Jan Kajiwar'.

Jan Kajiwar  
Regulatory Analyst II  
Noble Energy Inc.

# LUDWIG H06-31D

## Noble Energy, Inc

### NW/4NW/4 Section 6, Township 3 North, Range 65 West



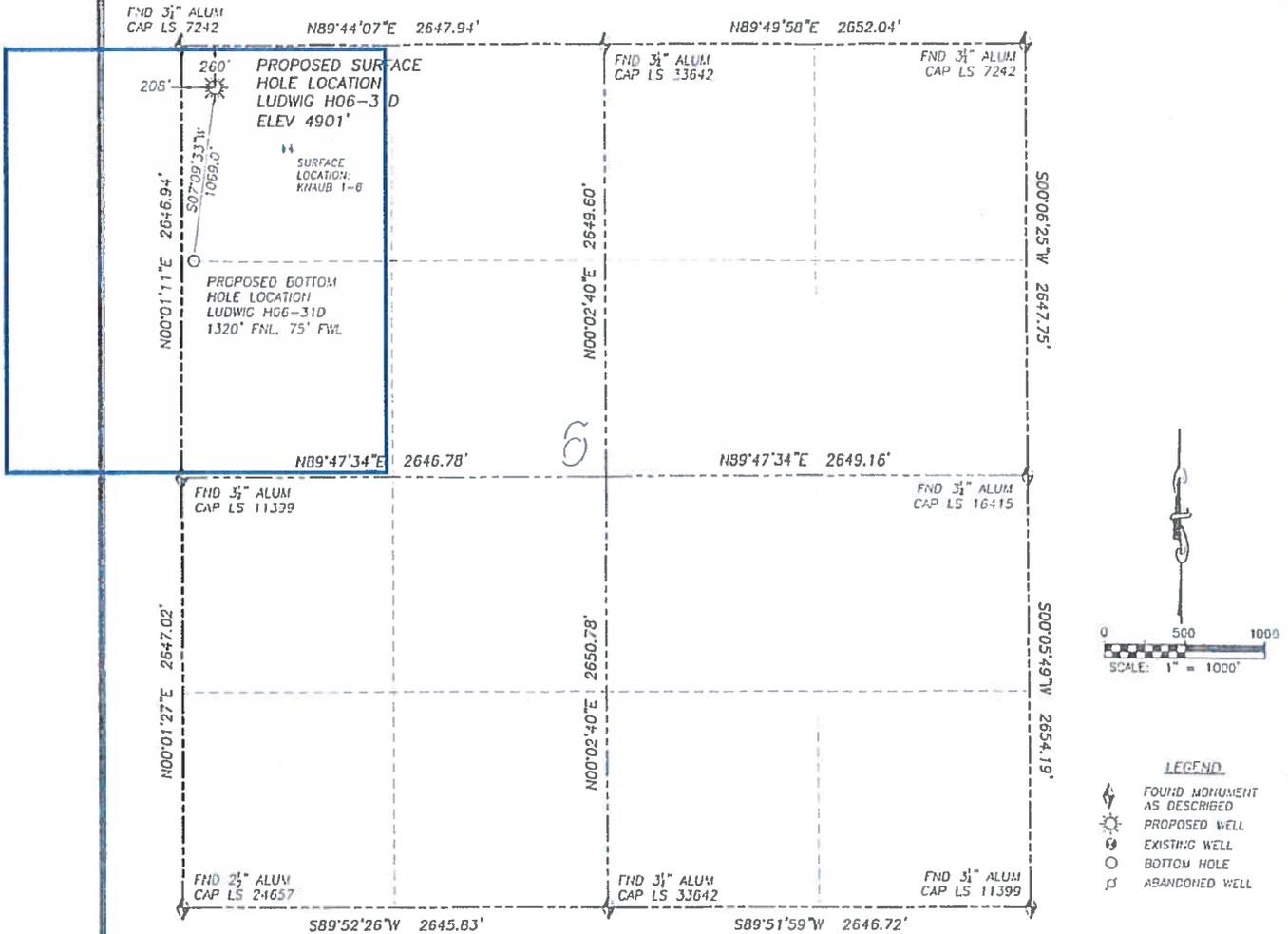
**Legend**

<div style="border: 2px solid blue; width: 50px; height: 30px; margin-bottom: 5px;"></div> <p>Proposed 160 acre spacing unit</p>	<div style="display: flex; align-items: center; justify-content: center;"> <div style="width: 15px; height: 15px; background-color: red; border-radius: 50%; margin-right: 5px;"></div> <p>Bottom Hole Location</p> </div>
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DALEY LAND SURVEYING, INC. PARKER, CO. 80134 303 953 9841

# WELL LOCATION CERTIFICATE LUDWIG H06-31D

SECTION 6, TOWNSHIP 3 NORTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN



- LEGEND**
- ◆ FOUND MONUMENT AS DESCRIBED
  - ☆ PROPOSED WELL
  - EXISTING WELL
  - BOTTOM HOLE
  - ✕ ABANDONED WELL

**NAD 83 LATITUDE AND LONGITUDE**

**LUDWIG H06-31D SURFACE HOLE:**  
 LATITUDE: N40.26093°  
 LONGITUDE: W104.71491°  
 ELEVATION: 4901'  
 FOOTAGE: 260' FNL, 208' FWL  
 PDOP: 2.0  
 QTR/QTR: NW4/NW4  
 PROP-LINE: 208' WEST

**BOTTOM HOLE:**  
 LATITUDE: N40.25802°  
 LONGITUDE: W104.71539°  
 FOOTAGE: 1320' FNL, 75' FWL

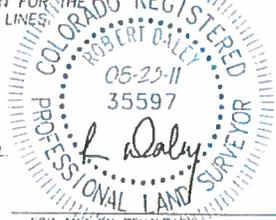
**NEAREST EXISTING WELL:**  
 KNAUB 1-6 SURFACE HOLE  
 LATITUDE: N40.25991°  
 LONGITUDE: W104.71328°  
 ELEVATION: 4914'  
 588' SOUTHEAST

IN ACCORDANCE WITH A REQUEST FROM CJ PIETRI OF NOBLE ENERGY INC., DALEY LAND SURVEYING, INC. HAS DETERMINED THE SURFACE LOCATION OF THE LUDWIG H06-31D WELL TO BE 260' FNL, 208' FWL, AS MEASURED AT NINETY (90) DEGREES FROM THE SECTION LINES OF SECTION 6, TOWNSHIP 3 NORTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, WELD COUNTY, COLORADO. THE BOTTOM HOLE LOCATION, PROVIDED BY THE CLIENT IS TO BE 1320' FNL, 75' FWL.

I HEREBY CERTIFY THAT THIS WELL LOCATION CERTIFICATE WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, THAT THE WORK WAS COMPLETED ON 8/22/2011 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 NORTHWEST CORNER AND WEST QUARTER CORNER OF SECTION 6, T.3N., R.65W.
- 2) HORIZONTAL DATUM IS NAD83.
- 3) VERTICAL DATUM IS NAVD83. ELEVATIONS ARE DERIVED FROM GPS OBSERVATIONS PROCESSED THROUGH OPUS, UTILIZING THE GEOD09 MODEL.
- 4) SEE LOCATION DRAWING FOR VISIBLE IMPROVEMENTS WITHIN 600' OF PROPOSED SURFACE HOLE LOCATION.
- 5) SURFACE USE: NON-AGRICULTURAL.



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 herein.

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