



Great Western  
OIL & GAS COMPANY

1700 Broadway  
Suite 650  
Denver, CO 80290

Phone: 303.398.0302  
Facsimile: 866.742.1784  
www.gwogco.com

March 12, 2012

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

Attn: Mr. Thom Kerr, Director

**RE: Proposed Wellbore Spacing Unit**  
**Great Western 27-31-8 (Surface 358' FNL and 1175' FEL) Sec. 27, (Bottom 1319' FNL and 2610' FEL) Sec. 27**  
**Great Western 27-41-10 (Surface 237' FNL and 1076' FEL) Sec. 27, (Bottom 1321' FNL and 0' FEL) Sec. 27**

Niobrara/Codell New Drills  
Township 6 North, Range 67 West, 6<sup>th</sup> P.M.  
Section 27:NENE  
Weld County, Colorado

Mr. Kerr:

Great Western Oil and Gas Company, LLC is planning to drill the above captioned boundary wells in accordance with the provisions of COGCC Rule 318A.e.

Great Western proposed wellbore spacing units consists of:

- E/2NW/4 of Section 27 and W/2NE/4 of Section 27 for the Great Western 27-31-8
- E/2NE/4 of Section 27 and W/2NW/4 of Section 26 for the Great Western 27-41-10

No notification needed to be sent for the above wells as Great Western Oil and Gas owns the leasehold in both sections 26 & 27. Enclosed are copies of the following documents to assist you in your review and approval of Great Western's proposed APD for the captioned wells:

- Plat illustrating proposed wellbore spacing unit on existing location plats.

Great Western Oil and Gas Company, LLC respectfully requests that the COGCC review the enclosed information and approve the Application for Permit to Drill the captioned wells. Thank you for your attention to the enclosed.

Respectfully,

Janni Keidel  
Permitting Technician  
Great Western Oil and Gas Company, LLC  
1700 Broadway, Suite #650  
Denver, Colorado 80290

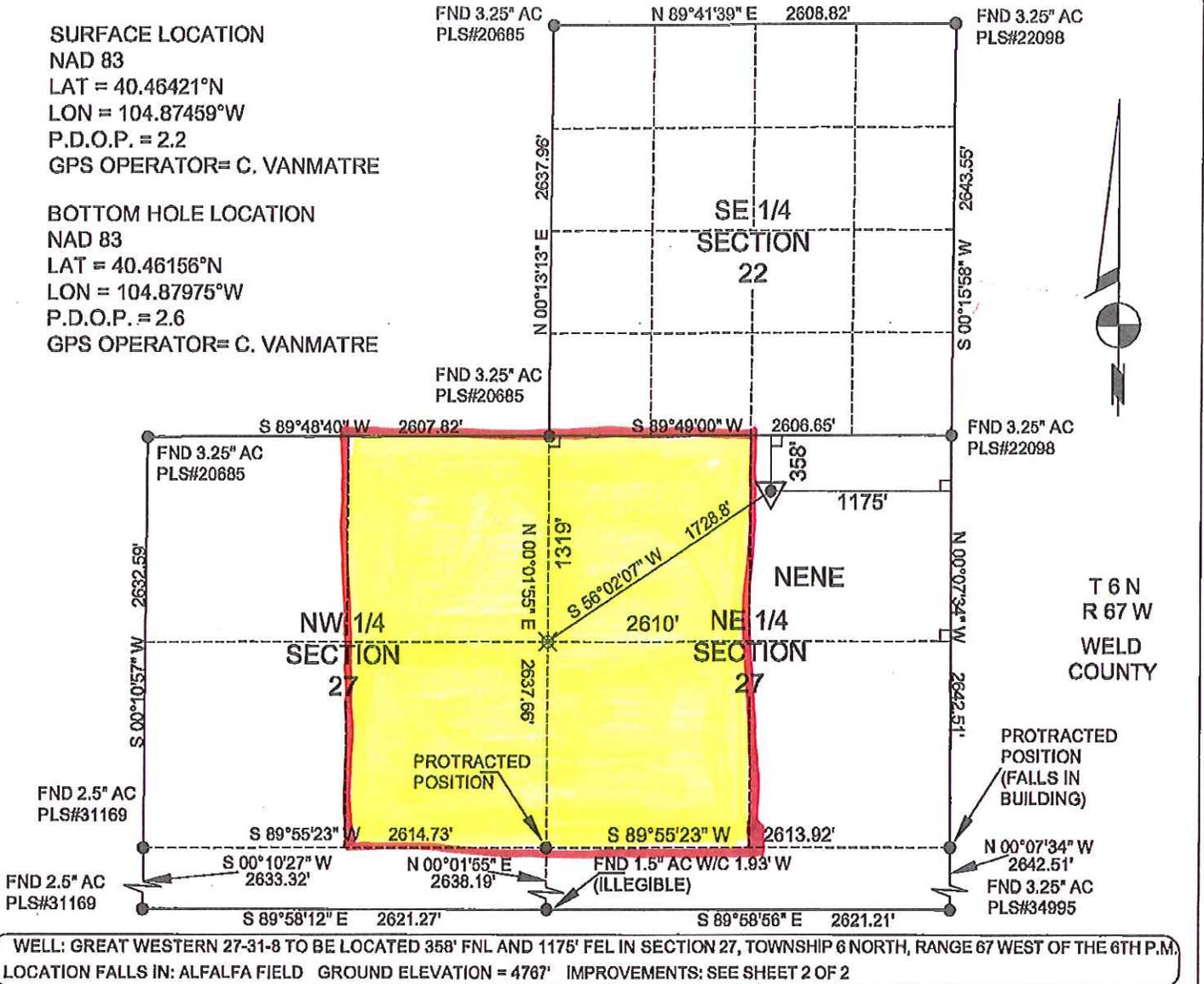
# PROPOSED WELLBORE SPACING UNIT

**SURFACE LOCATION**

NAD 83  
 LAT = 40.46421°N  
 LON = 104.87459°W  
 P.D.O.P. = 2.2  
 GPS OPERATOR= C. VANMATRE

**BOTTOM HOLE LOCATION**

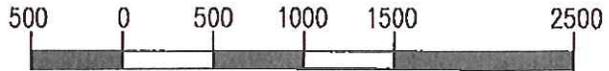
NAD 83  
 LAT = 40.46156°N  
 LON = 104.87975°W  
 P.D.O.P. = 2.6  
 GPS OPERATOR= C. VANMATRE



WELL: GREAT WESTERN 27-31-8 TO BE LOCATED 358' FNL AND 1175' FEL IN SECTION 27, TOWNSHIP 6 NORTH, RANGE 67 WEST OF THE 6TH P.M. LOCATION FALLS IN: ALFALFA FIELD GROUND ELEVATION = 4767' IMPROVEMENTS: SEE SHEET 2 OF 2

**LEGEND:**

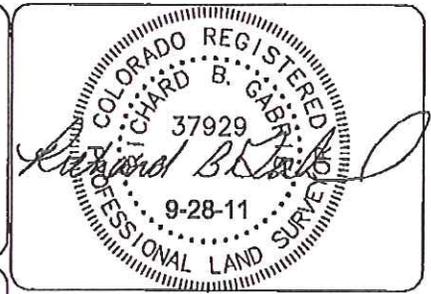
- SECTION CORNER (AS NOTED)
- ▲ PROPOSED WELL LOCATION
- ⊗ PROPOSED BOTTOM HOLE LOCATION



SCALE 1"=1000'

**NOTES:**

1. THIS SURVEY WAS DONE BY GPS METHODS AND CONFORMS TO THE MINIMUM STANDARDS AS SET BY THE C.O.G.C.C. RULE NO. 215.
2. ELEVATIONS SHOWN AT THE WELL HEAD, AS WELL AS HORIZONTAL CONTROL, ARE BASED ON GPS-RTK VALUES DERIVED FROM DOING 2-HOUR STATIC GPS SESSIONS AND REDUCTIONS USING O.P.U.S. SOLUTIONS.  
 VERTICAL = NAVD88 HORIZONTAL = NAD83/92
3. THE BEARINGS AS SHOWN HEREON ARE BASED ON GPS OBSERVATIONS BETWEEN THE MONUMENTS SHOWN HEREON AS FOUND IN THE FIELD DATE BELOW.
4. DISTANCES SHOWN ARE AT GROUND LEVEL, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED AT A PERPENDICULAR TO SECTION LINES.



I, RICHARD B. GABRIEL, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO:  
**GREAT WESTERN OIL AND GAS COMPANY** THAT THE SURVEY AND WELL LOCATION CERTIFICATE SHOWN HEREON WAS DONE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED LOCATION OF THE WELL GREAT WESTERN 27-31-8. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.R.S. 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

RICHARD B. GABRIEL P.L.S. #37929  
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
 FOR AND ON BEHALF OF POWER SURVEYING CO., INC.

**POWER**<sup>TM</sup>  
 Surveying Company, Inc.  
 Established 1978  
 120 W. 84TH AVENUE PH. 303-702-1817  
 THORNTON, COLORADO 80260 FAX. 303-702-1483  
 WWW.POWERSURVEYING.COM

NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED ON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THIS 8400 DATE OF THIS CERTIFICATION SHOWN HEREON.

DATE OF FIELD WORK: 8-23-11  
 DATE OF COMPLETION: 9-27-11  
 PROJECT NUMBER: 501-11-169



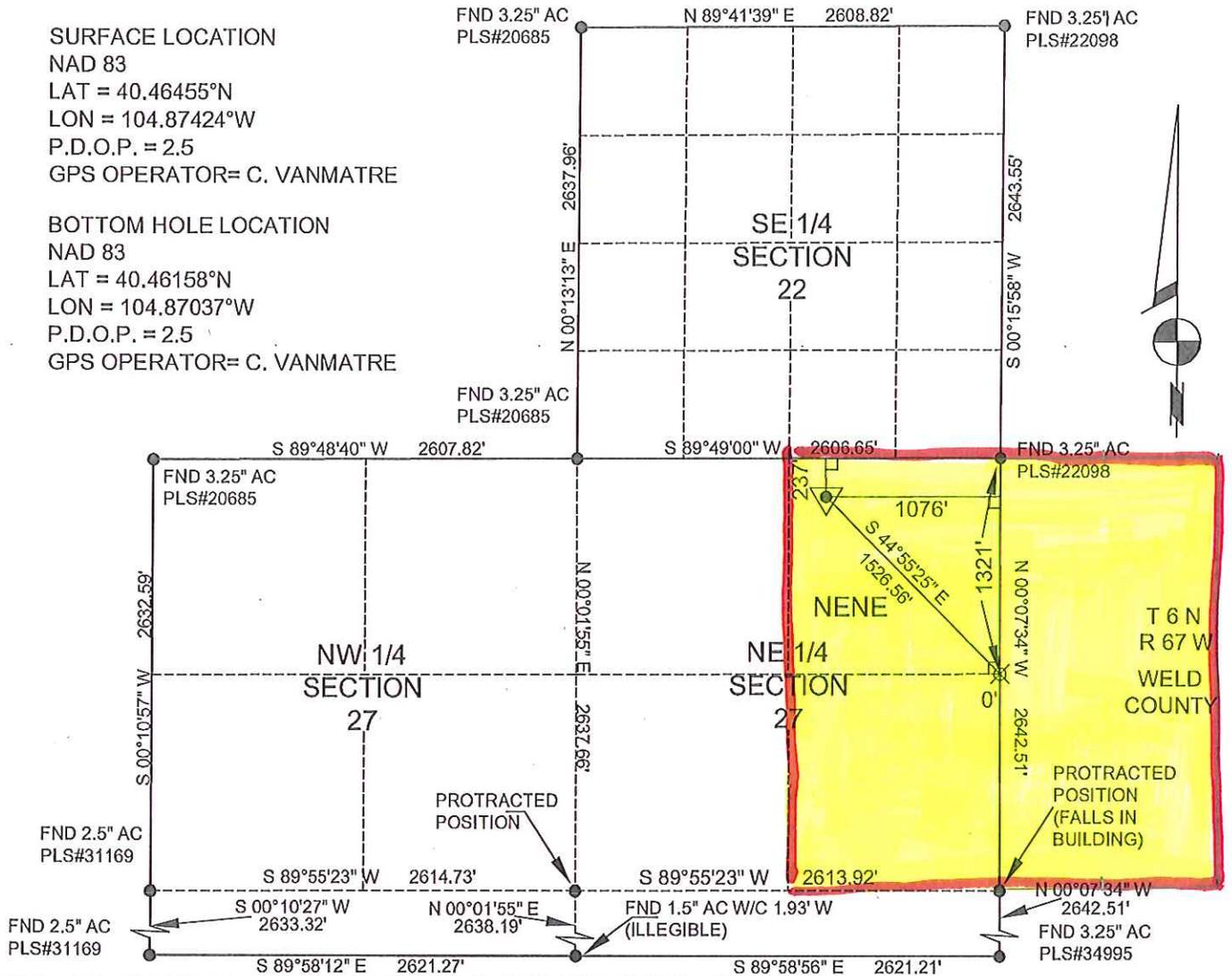
# PROPOSED WELLBORE SPACING UNIT

**SURFACE LOCATION**

NAD 83  
 LAT = 40.46455°N  
 LON = 104.87424°W  
 P.D.O.P. = 2.5  
 GPS OPERATOR= C. VANMATRE

**BOTTOM HOLE LOCATION**

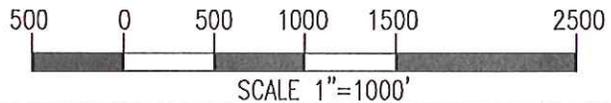
NAD 83  
 LAT = 40.46158°N  
 LON = 104.87037°W  
 P.D.O.P. = 2.5  
 GPS OPERATOR= C. VANMATRE



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**LEGEND:**

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- ▼ PROPOSED WELL LOCATION
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**POWER**™  
 Surveying Company, Inc.  
*Established 1948*

120 W. 84TH AVENUE THORNTON, COLORADO 80260 PH. 303-702-1617 FAX. 303-702-1483  
 WWW.POWERSURVEYING.COM

DATE OF FIELD WORK: 9-23-11  
 DATE OF COMPLETION: 9-27-11  
 PROJECT NUMBER: 501-11-169 REV1

