



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**  
**Diamond Valley 22-32-12 (Surface 237' FNL and 1136' FEL) Sec. 27, (Bottom 2644' FSL and 2609' FEL) Sec. 22**  
**Diamond Valley 22-22-13 (Surface 258' FNL and 1175' FEL) Sec. 27, (Bottom 2638' FSL and 2607' FEL) Sec. 22**  
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:

- S/2NE/4 of Section 22 and N/2SE/4 of Section 22 for the Diamond Valley 22-32-12
- SE/4NW/4, SW/4NE/4, NE/4SW/4, NW/4SE/4 of Section 22 for the Diamond Valley 22-22-13

The required thirty (30) day notice was sent and no objection was received. 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

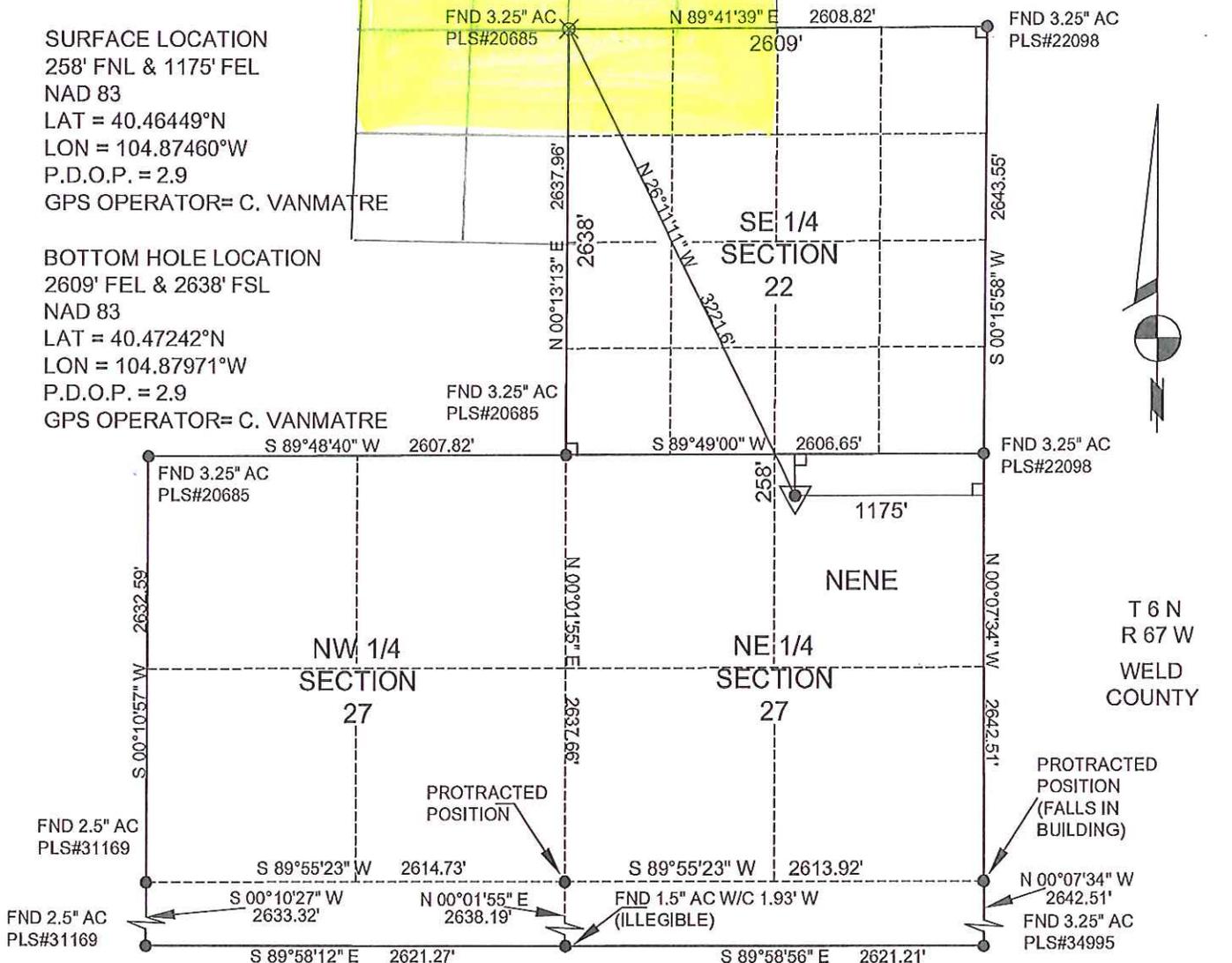
**PROPOSED WELLBORE SPACING UNIT**

**SURFACE LOCATION**

258' FNL & 1175' FEL  
 NAD 83  
 LAT = 40.46449°N  
 LON = 104.87460°W  
 P.D.O.P. = 2.9  
 GPS OPERATOR= C. VANMATRE

**BOTTOM HOLE LOCATION**

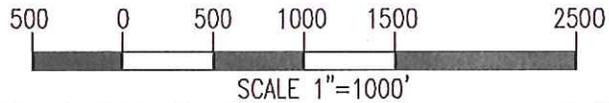
2609' FEL & 2638' FSL  
 NAD 83  
 LAT = 40.47242°N  
 LON = 104.87971°W  
 P.D.O.P. = 2.9  
 GPS OPERATOR= C. VANMATRE



WELL: DIAMOND VALLEY 22-22-13 TO BE LOCATED 258' 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



**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 DIAMOND VALLEY 22-22-13. 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.

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 SAID DATE OF THIS CERTIFICATION SHOWN HEREON.



**POWER**<sup>™</sup>  
 Surveying Company, Inc.  
 Established 1918  
 120 W. 84TH AVENUE PH. 303-702-1617  
 THORNTON, COLORADO 80260 FAX. 303-702-1468  
 WWW.POWERSURVEYING.COM

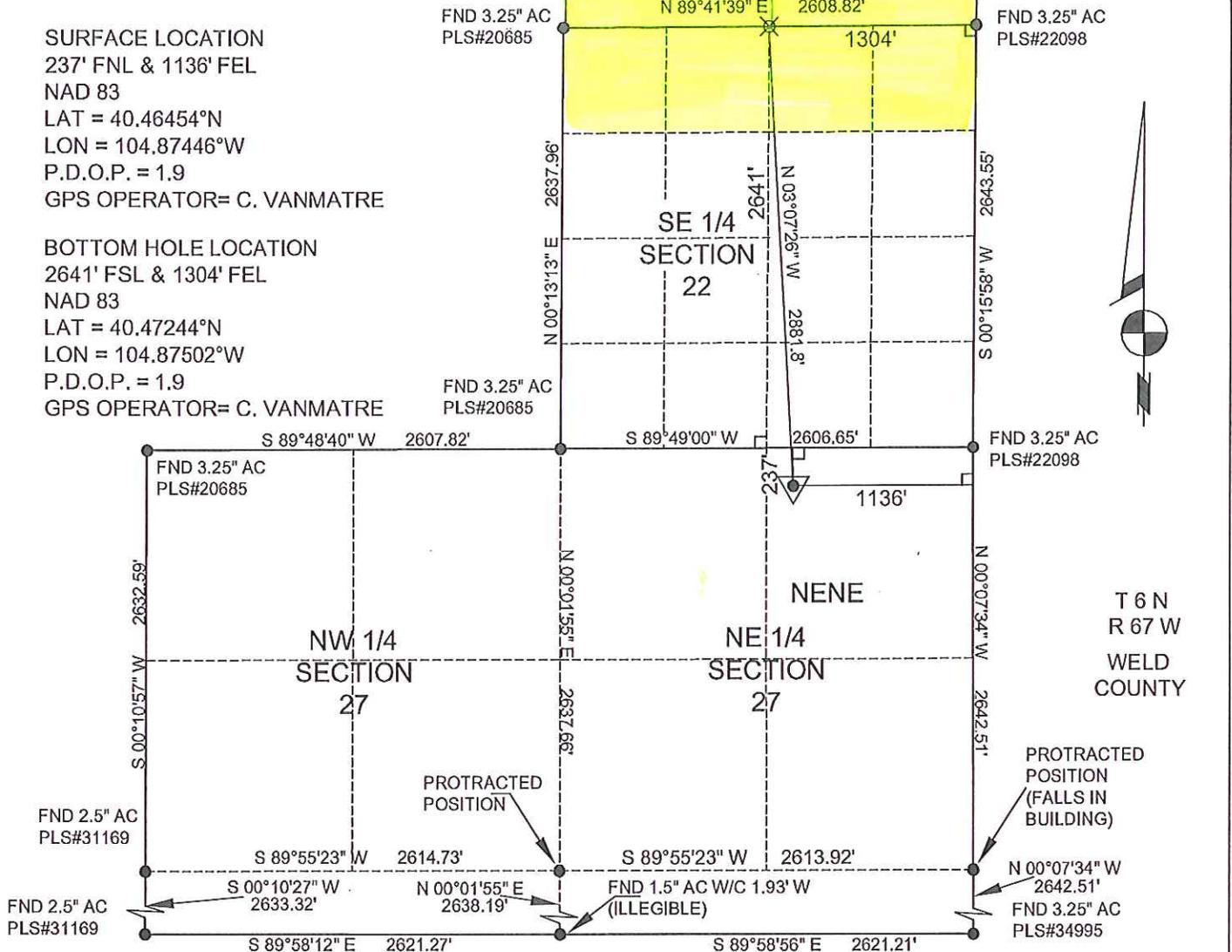
DATE OF FIELD WORK: 9-23-11  
 DATE OF COMPLETION: 9-27-11  
 PROJECT NUMBER: 501-11-169 REV1



**PROPOSED WELLBORE SPACING UNIT**

**SURFACE LOCATION**  
 237' FNL & 1136' FEL  
 NAD 83  
 LAT = 40.46454°N  
 LON = 104.87446°W  
 P.D.O.P. = 1.9  
 GPS OPERATOR= C. VANMATRE

**BOTTOM HOLE LOCATION**  
 2641' FSL & 1304' FEL  
 NAD 83  
 LAT = 40.47244°N  
 LON = 104.87502°W  
 P.D.O.P. = 1.9  
 GPS OPERATOR= C. VANMATRE



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**LEGEND:**

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- △ PROPOSED WELL LOCATION
- ⊗ PROPOSED BOTTOM HOLE LOCATION

500 0 500 1000 1500 2500  
 SCALE 1"=1000'

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