

FND 3.25" AC
PLS #38106

N 88°44'18" E 2656.05'

FND 3.25" AC
PLS #22098

SURFACE LOCATION

NAD 83

LAT = 40.47916°N

LON = 104.79006°W

P.D.O.P. = 1.9

GPS OPERATOR= C VANMATRE

DITCH

664'

DITCH

2641.75'

N 00°38'20" W

NW1/4
SEC21

BOTTOM HOLE LOCATION

NAD 83

LAT = 40.48096°N

LON = 104.78768°W

P.D.O.P. = 2.0

GPS OPERATOR= C VANMATRE

FND 3.25" AC
PLS #243189

S 88°30'03" W 2651.36'

FND 3.25" AC
PLS #22098

TOWNSHIP 6
NORTH

RANGE 66
WEST

WELD
COUNTY

WELL: FRITZLER 11-21-4 TO BE LOCATED 645' FNL AND 664' FWL IN SECTION 21, TOWNSHIP 6 NORTH, RANGE 66 WEST OF THE 6TH P.M. LOCATION FALLS IN: PLOWED FIELD GROUND ELEVATION = 4754' IMPROVEMENTS: DITCH 86' SOUTHWEST OF LOCATION.

LEGEND:



SECTION CORNER (AS NOTED)



PROPOSED WELL LOCATION



PROPOSED BOTTOM HOLE LOCATION

300 0 300 600 900 1200

SCALE 1"=600'

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:

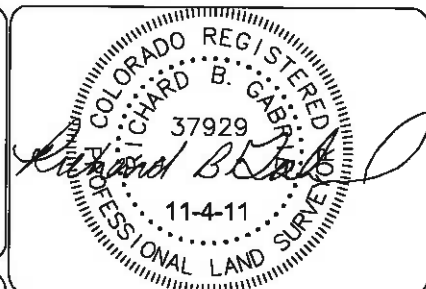
GREAT WESTERN OIL AND GAS COMPANY THAT THE SURVEY AND WELL LOCATION CERTIFICATE SHOWN HEREON WAS DONE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED LOCATION OF THE WELL **FRITZLER 11-21-4**.

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.



POWERTM
Surveying Company, Inc.
Established 1988

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THORNTON, COLORADO 80260 FAX. 303-702-1488
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DATE OF FIELD WORK: 10-28-11

DATE OF COMPLETION: 11-4-11

PROJECT NUMBER: 501-11-198