

KING SURVEYORS, INC. 650 E. GARDEN DR. WINDSOR, CO 80550  
**WELL LOCATION CERTIFICATE**

WIEDEMAN 29K-403

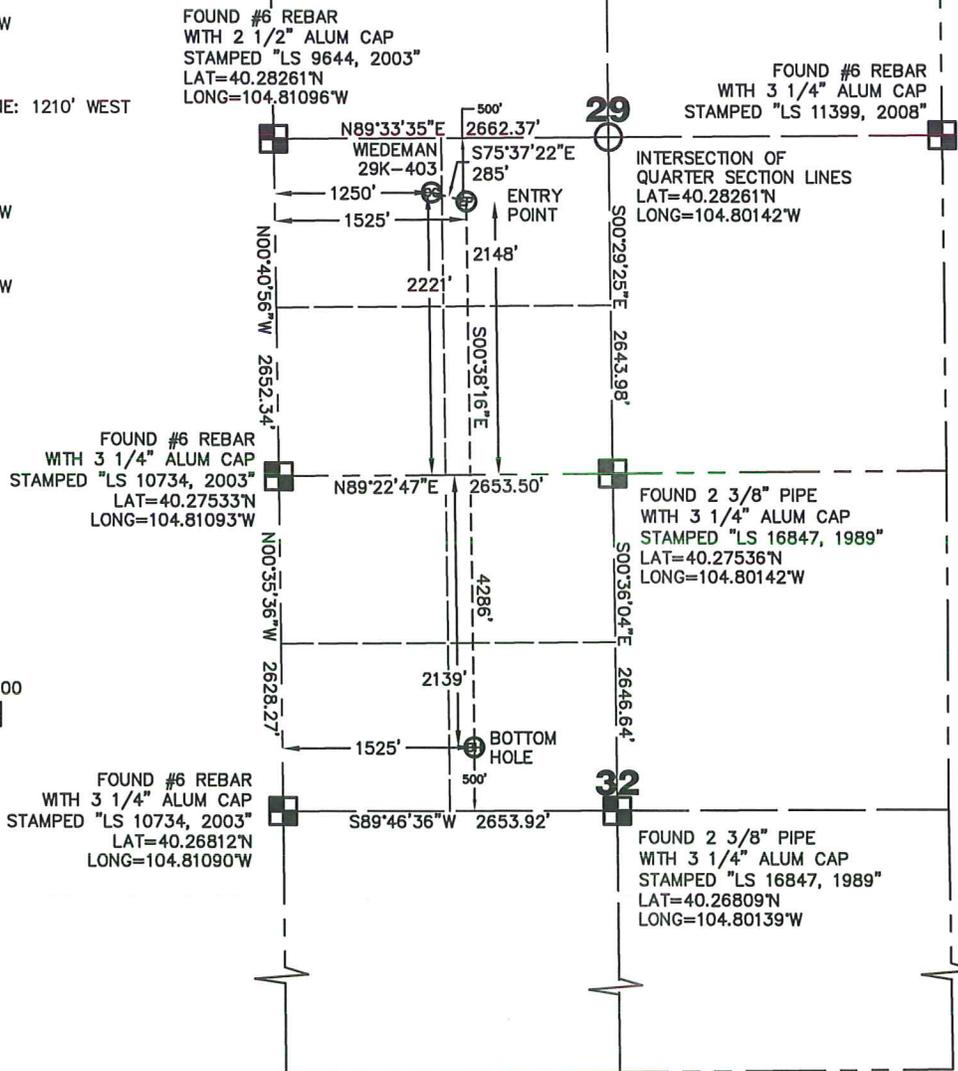
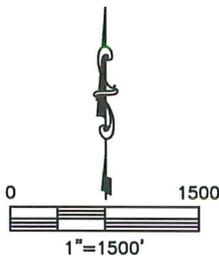
THIS MAP DOES NOT REPRESENT  
 A BOUNDARY SURVEY

SECTION: 29  
 TOWNSHIP: 4N  
 RANGE: 66W

**SURFACE LOCATION**  
 LATITUDE: 40.28144°N  
 LONGITUDE: 104.80648°W  
 PDOP: 1.6  
 ELEV: 4762'  
 1/4, 1/4: NW 1/4 SW 1/4  
 NEAREST PROPERTY LINE: 1210' WEST

**ENTRY POINT**  
 LATITUDE: 40.28124°N  
 LONGITUDE: 104.80549°W

**BOTTOM HOLE**  
 LATITUDE: 40.26948°N  
 LONGITUDE: 104.80544°W



In accordance with a request from MAC NEUMANN with PDC ENERGY, INC. King Surveyors Inc. has determined the surface location of the WIEDEMAN 29K-403 to be 2221' from the SOUTH line and 1250' from the WEST line and the entry point to be 2148' from the SOUTH line and 1525' from the WEST line, as measured at right angles, from the section lines of Section 29, Township 4 North, Range 66 West of the Sixth Principal Meridian and the bottom hole to be 2139' from the NORTH line and 1525' from the WEST line, as measured at right angles, from the section lines of Section 32, Township 4 North, Range 66 West of the Sixth Principal Meridian, County of Weld, State of Colorado.

I hereby state that this Well Location Certificate was prepared by me, or under my direct supervision, that the fieldwork was completed on 5-13-2013, for and on behalf of PDC ENERGY, INC., that this is not a Land Survey Plat or an Improvement Survey Plat, and that it is not to be relied upon for establishment of fence, building, or other future improvement lines.

- NOTES:
- 1) Bearings shown are Grid Bearings of the Colorado State Plane Coordinate System, North Zone, North American Datum 1983/2007. The lineal dimensions as contained herein are based upon the "U.S. Survey Foot."
  - 2) Ground elevations are based on an observed GPS elevation (NAVD 1988 DATUM).
  - 3) NEAREST EXISTING WELL: WIEDEMAN 29-1, 586' SOUTHEAST
  - 4) IMPROVEMENTS: See LOCATION DRAWING for all visible improvements within 500' of the disturbed area.
  - 5) SURFACE USE: CROP FIELD & PRODUCTION FACILITY
  - 6) FIELD OPERATOR: TOM WINANS

**LEGEND**

-  = FOUND ALIQUOT MONUMENT AS DESCRIBED
-  = CALCULATED POSITION
-  = SET ALIQUOT MONUMENT AS DESCRIBED

**NOTE**  
 According to Colorado law, you must commence any legal action based upon any defect in this W.L.C. within three years after you discover such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years after the date of the certificate shown hereon. (13-80-105 C.R.S.)



Michael Chad Dilka – On Behalf Of King Surveyors, Inc.  
 Colorado Licensed Professional Land Surveyor #38106

# SITE SKETCH

WIEDEMAN 29K-403

SECTION: 29  
TOWNSHIP: 4N  
RANGE: 66W

①  
WIEDEMAN 29-2  
NW1/4 SW1/4 SEC 29  
S00°37'13"E 2102' FSL  
S89°19'04"W 564' FWL  
LAT-40.28111°N  
LONG-104.80894°W  
PDOP:1.8  
ELEV: 4763'

②  
WIEDEMAN 29-29  
NW1/4 SW1/4 SEC 29  
S00°37'13"E 2100' FSL  
S89°19'04"W 598' FWL  
LAT-40.28110°N  
LONG-104.80882°W  
PDOP:1.6  
ELEV: 4762'

③  
WIEDEMAN 29-1  
NE1/4 SW1/4 SEC 29  
S00°37'13"E 1992' FSL  
S89°19'04"W 1789' FWL  
LAT-40.28081°N  
LONG-104.80455°W  
PDOP:1.9  
ELEV: 4762'

④  
WIEDEMAN 29-5  
SW1/4 SW1/4 SEC 29  
S00°37'13"E 1294' FSL  
S89°19'04"W 1276' FWL  
LAT-40.27890°N  
LONG-104.80637°W  
PDOP:1.4  
ELEV: 4761'

⑤  
WIEDEMAN #2  
SW1/4 SW1/4 SEC 29  
S00°37'13"E 651' FSL  
S89°19'04"W 786' FWL  
LAT-40.27713°N  
LONG-104.80812°W  
PDOP:1.3  
ELEV: 4760'

⑥  
WIEDEMAN 29-3  
SE1/4 SW1/4 SEC 29  
S00°37'13"E 928' FSL  
S89°19'04"W 1986' FWL  
LAT-40.27790°N  
LONG-104.80382°W  
PDOP:2.6  
ELEV: 4764'

⑦  
FRANK #5  
NW1/4 NW1/4 SEC 32  
N00°37'13"W 406' FNL  
S89°24'24"W 859' FWL  
LAT-40.27423°N  
LONG-104.80784°W  
PDOP:1.2  
ELEV: 4766'

⑧  
FRANK #1  
NW1/4 NW1/4 SEC 32  
N00°37'13"W 490' FNL  
S89°24'24"W 877' FWL  
LAT-40.27400°N  
LONG-104.80778°W  
PDOP:1.6  
ELEV: 4767'

⑨  
FRANK 21-32  
NE1/4 NW1/4 SEC 32  
N00°37'13"W 812' FNL  
S89°24'24"W 2337' FWL  
LAT-40.27312°N  
LONG-104.80254°W  
PDOP:1.4  
ELEV: 4774'

⑩  
FRANK 6LL  
SW1/4 NW1/4 SEC 32  
N00°37'13"W 2005' FNL  
S89°24'24"W 864' FWL  
LAT-40.26984°N  
LONG-104.80781°W  
PDOP:2.0  
ELEV: 4771'

⑪  
FRANK 32-23  
SW1/4 NW1/4 SEC 32  
N00°37'13"W 2017' FNL  
S89°24'24"W 894' FWL  
LAT-40.26981°N  
LONG-104.80770°W  
PDOP:1.4  
ELEV: 4771'

⑫  
FRANK 32-24  
SE1/4 NW1/4 SEC 32  
N00°37'13"W 1979' FNL  
S89°24'24"W 2185' FWL  
LAT-40.26992°N  
LONG-104.80308°W  
PDOP:1.2  
ELEV: 4772'

