

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

FOUND #6 REBAR
WITH 3 1/4" ALUM CAP
STAMPED "LS 10734, 2003"
LAT=40.27533°N
LONG=104.81093°W

FOUND #6 REBAR
WITH 3 1/4" ALUM CAP
STAMPED "LS 10734, 2003"
LAT=40.26812°N
LONG=104.81090°W

FOUND #6 REBAR
WITH 2 1/2" ALUM CAP
STAMPED "LS 9644, 2003"
LAT=40.28261°N
LONG=104.81096°W

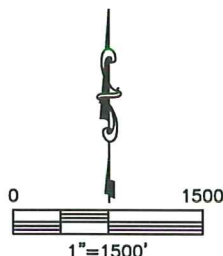
FOUND #6 REBAR
WITH 2 1/2" ALUM CAP
STAMPED "LS 12374. 1995"

FOUND #6 REBAR
WITH 3 1/4" ALUM CAP
STAMPED "LS 11399, 2008"

INTERSECTION OF
QUARTER SECTION LINES
LAT=40.28261°N
LONG=104.80142°W

FOUND 2 3/8" PIPE
WITH 3 1/4" ALUM CAP
STAMPED "LS 16847, 1989"
LAT=40.27536°N
LONG=104.80142°W

FOUND 2 3/8" PIPE
WITH 3 1/4" ALUM CAP
STAMPED "LS 16847, 1989"
LAT=40.26809°N
LONG=104.80139°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: WEDEMAN 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**

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.)

 = FOUND ALIQUOT MONUMENT
AS DESCRIBED

○ = CALCULATED POSITION

 = SET ALIQUOT MONUMENT
AS DESCRIBED



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

PROJECT#: 2013264

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

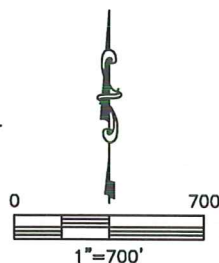
FRANK 6LL
SW1/4 NW1/4 SEC 32
N00°37'13"W 2005' FNL
S89°24'24"W 864' FWL
LAT-40.26984°N
LONG-104.80781°W
PDOP: 2.0
ELEV: 4771'

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'



WEST QUARTER CORNER
SEC. 29, T.4N. R.66W.

CENTER QUARTER CORNER
SEC. 29, T.4N. R.66W.

SOUTHWEST CORNER
SEC. 29, T.4N. R.66W.

SOUTH QUARTER CORNER
SEC. 29, T.4N. R.66W.

WEST QUARTER CORNER
SEC. 32, T.4N. R.66W.

CENTER QUARTER CORNER
SEC. 32, T.4N. R.66W.

WIEDEMAN 29K-403

S75°37'22"E 285'

ENTRY POINT

NW1/4 SW1/4

NE1/4 SW1/4

SW1/4 SEC. 29

SW1/4 SW1/4

SE1/4 SW1/4

NW1/4 NW1/4

NE1/4 NW1/4

NW1/4 SEC. 32

SW1/4 NW1/4

SE1/4 NW1/4

BOTTOM HOLE