KING SURVEYORS, INC. 650 E. GARDEN DR. WINDSOR, CO 80550

WELL LOCATION CERTIFICATE

WIEDEMAN 29K-443

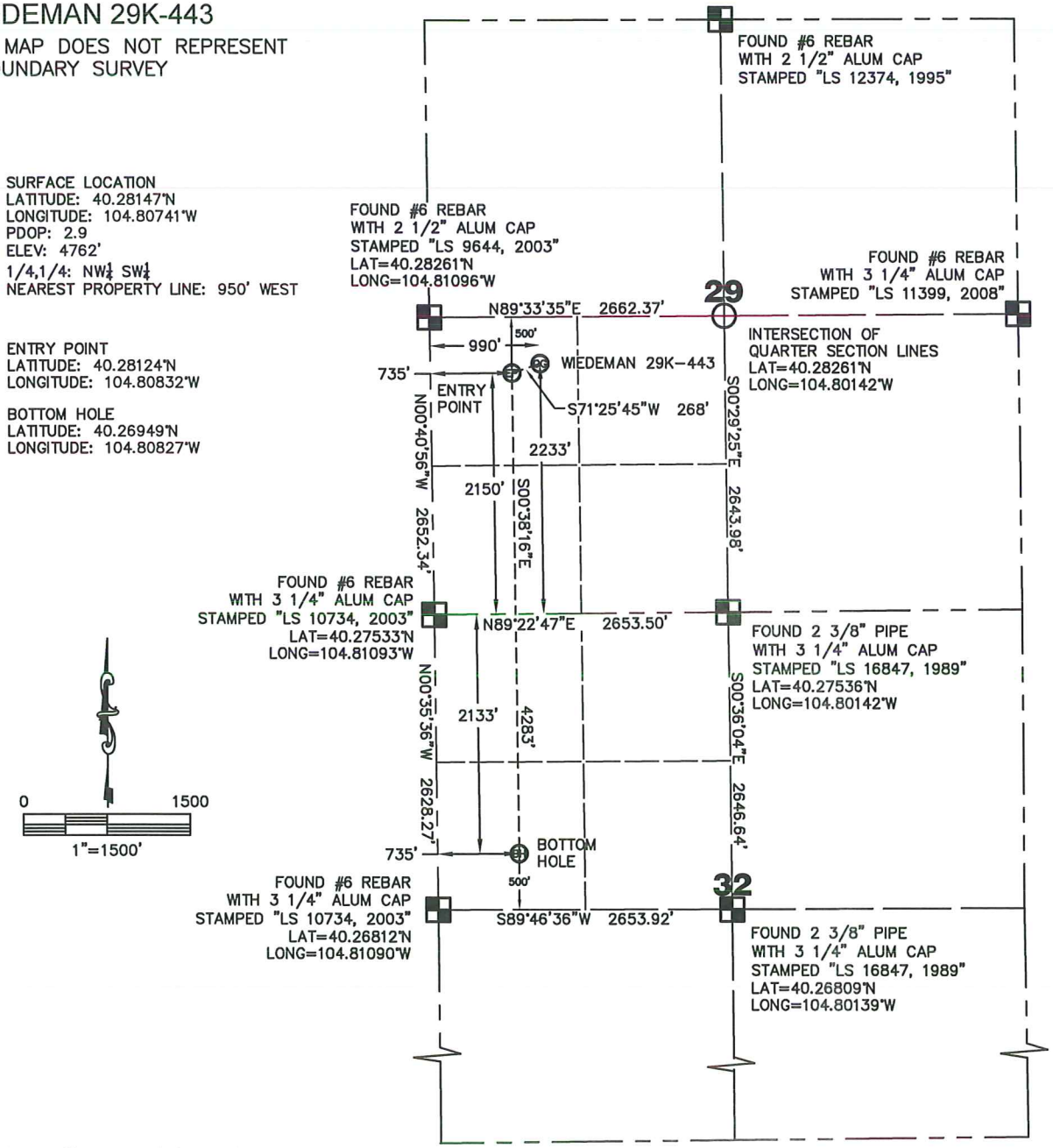
THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 29
TOWNSHIP: 4N
RANGE: 66W

SURFACE LOCATION
LATITUDE: 40.28147°N
LONGITUDE: 104.80741°W
PDOP: 2.9
ELEV: 4762'
1/4,1/4: NW¼ SW¼
NEAREST PROPERTY LINE: 950' WEST

ENTRY POINT
LATITUDE: 40.28124°N
LONGITUDE: 104.80832°W

BOTTOM HOLE
LATITUDE: 40.26949°N
LONGITUDE: 104.80827°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-443 to be 2233' from the SOUTH line and 990' from the WEST line and the entry point to be 2150' from the SOUTH line and 735' 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 2133' from the NORTH line and 735' 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 29-29, 414' SOUTHWEST
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

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.)

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

COLORADO LICENSED MICHAEL CHAD DILKA 38106 5-23-2013 PROFESSIONAL LAND SURVEYOR

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

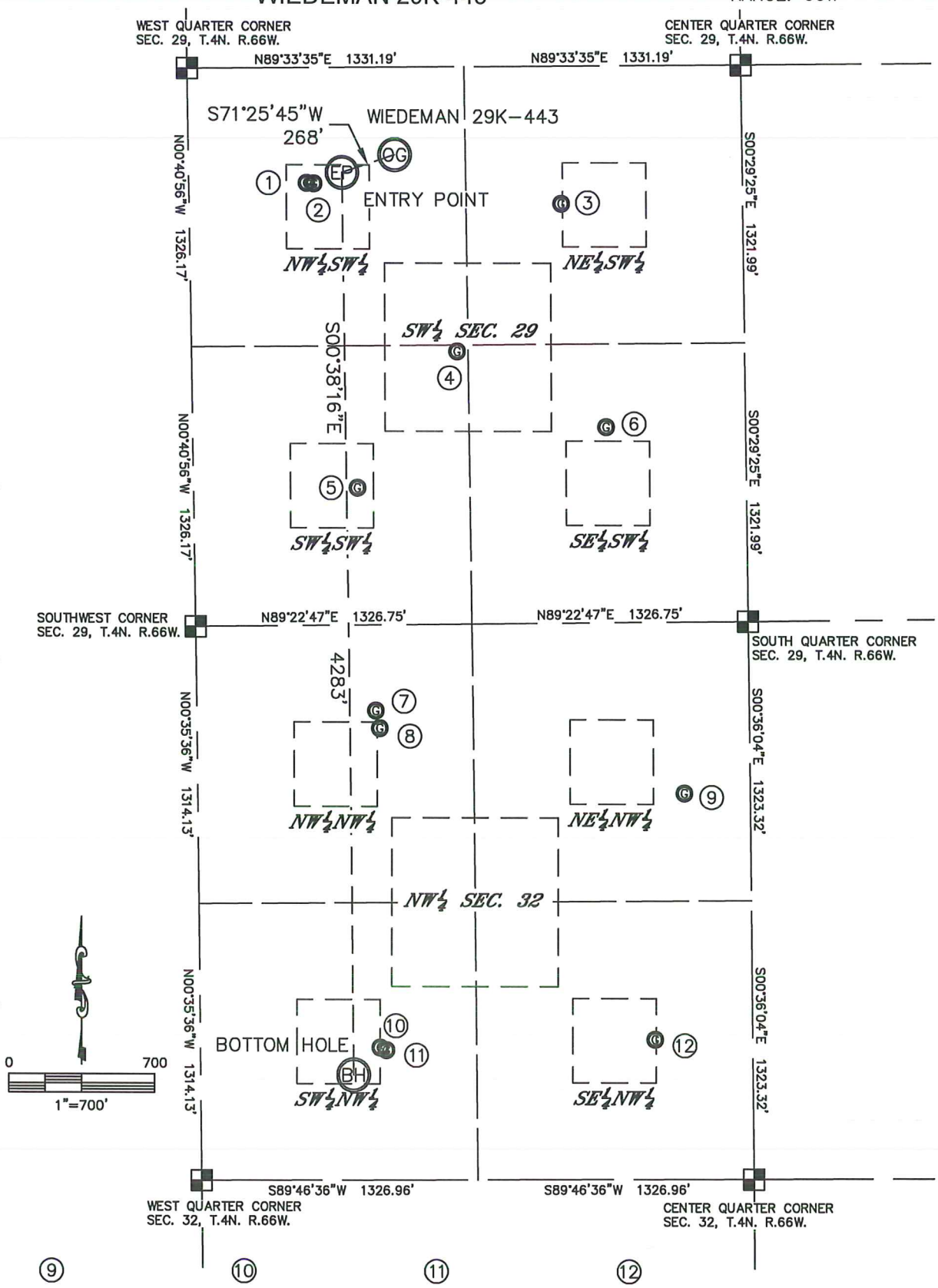
PROJECT#: 2013264

KING SURVEYORS, INC. 650 E. GARDEN DR. WINDSOR, CO 80550

SITE SKETCH

WIEDEMAN 29K-443

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'

PROJECT#: 2013264