

HARRY EAST 8S-20-11C WELL LOCATION CERTIFICATE

NW COR. SEC. 8
2½" ALUM. CAP
PLS 37920, 2013

S89°20'43"E 2654.09'

S89°20'43"E 2675.38'

NE COR. SEC. 8
¾" ALUM. CAP
PLS 38304, 2017

N ¼ COR. SEC. 8
2½" ALUM. CAP
PLS 38304, 2017

LP: 300' FNL
703' FEL

N18°44'03"W
629.40'

HARRY EAST
8S-20-11C

NOTES:
BH LOCATION PROVIDED BY CLIENT.
LAND SURFACE USE-RANGELAND
SEE LOCATION DRAWING FOR ADDITIONAL
IMPROVEMENTS WITHIN 500'

PDOP=1.4
GPS OPERATOR: AARON RIVERA

8

W ¼ COR. SEC. 8
UNMARKED STONE

SURFACE LOCATION:
GROUND ELEVATION=5260'
NAD83
LATITUDE:40.941005° N
LONGITUDE:104.221576° W

LANDING POINT LOCATION:
NAD83
LATITUDE:40.942640° N
LONGITUDE:104.222308° W

BOTTOM HOLE LOCATION:
NAD83
LATITUDE:40.915059° N
LONGITUDE:104.222978° W

SW COR. SEC. 8
2½" ALUM. CAP
PLS 26964, 2008

N00°38'49"E 2647.22'

N00°27'01"E 2666.45'

S ¼ COR. SEC. 8
2½" ALUM. CAP
PLS 38304, 2017

N87°42'40"W 2609.97'
BASIS OF BEARINGS (SEE NOTE 2)

N87°42'40"W 2609.97'

BHL: 300' FSL } SEC. 17
734' FEL }

E ¼ COR. SEC. 8
2½" ALUM. CAP
PLS 38304, 2017

S01°43'20"W 2731.72'

S01°43'20"W 2731.72'

SE COR. SEC. 8
¾" ALUM. CAP
PLS 38304, 2017

LEGEND

- ⊕ = EXISTING MONUMENT
- = CALCULATED POSITION
- = PROPOSED WELL
- ◆ = EXISTING WELL
- ⚡ = BOTTOM HOLE
- ▲ = LANDING POINT
- LP = LANDING POINT
- BHL = BOTTOM HOLE LOCATION

**WELL HARRY EAST 8S-20-11C TO
BE LOCATED 894' FNL & 483' FEL**



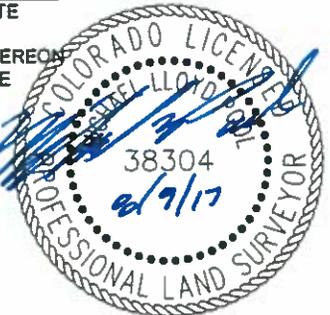
NOTES:

1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. BEARINGS ARE BASED ON THE ASSUMPTION THAT THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 8, BEARS N87°42'40"W BETWEEN THE MONUMENTS SHOWN HEREON
3. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE GROUND VALUES AS GPS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES. THIS LOW DISTORTION PROJECTION (LDP) IS BASED ON THE NORTH AMERICAN DATUM OF 1983, U.S. SURVEY FOOT WITH A LATITUDE ORIGIN OF 40 914722"N, A CENTRAL MERIDIAN LONGITUDE OF 104.201300"W, AND A SCALE FACTOR ON THE CENTRAL MERIDIAN OF 1.000246 (EXACT). THE LDP BASIS OF BEARINGS IS GEODETIC NORTH.
4. FIELD VERIFICATION OF MONUMENTS COMPLETED WITHIN 1 YEAR OF SIGNATURE DATE

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 UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THIS SAID DATE OF THIS CERTIFICATION SHOWN HEREON.

I, MICHAEL L. POOL, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO **8 NORTH LLC**, THAT THE SURVEY AND WELL LOCATION CERTIFICATE SHOWN HEREON WERE DONE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED LOCATION OF THE WELL. 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.

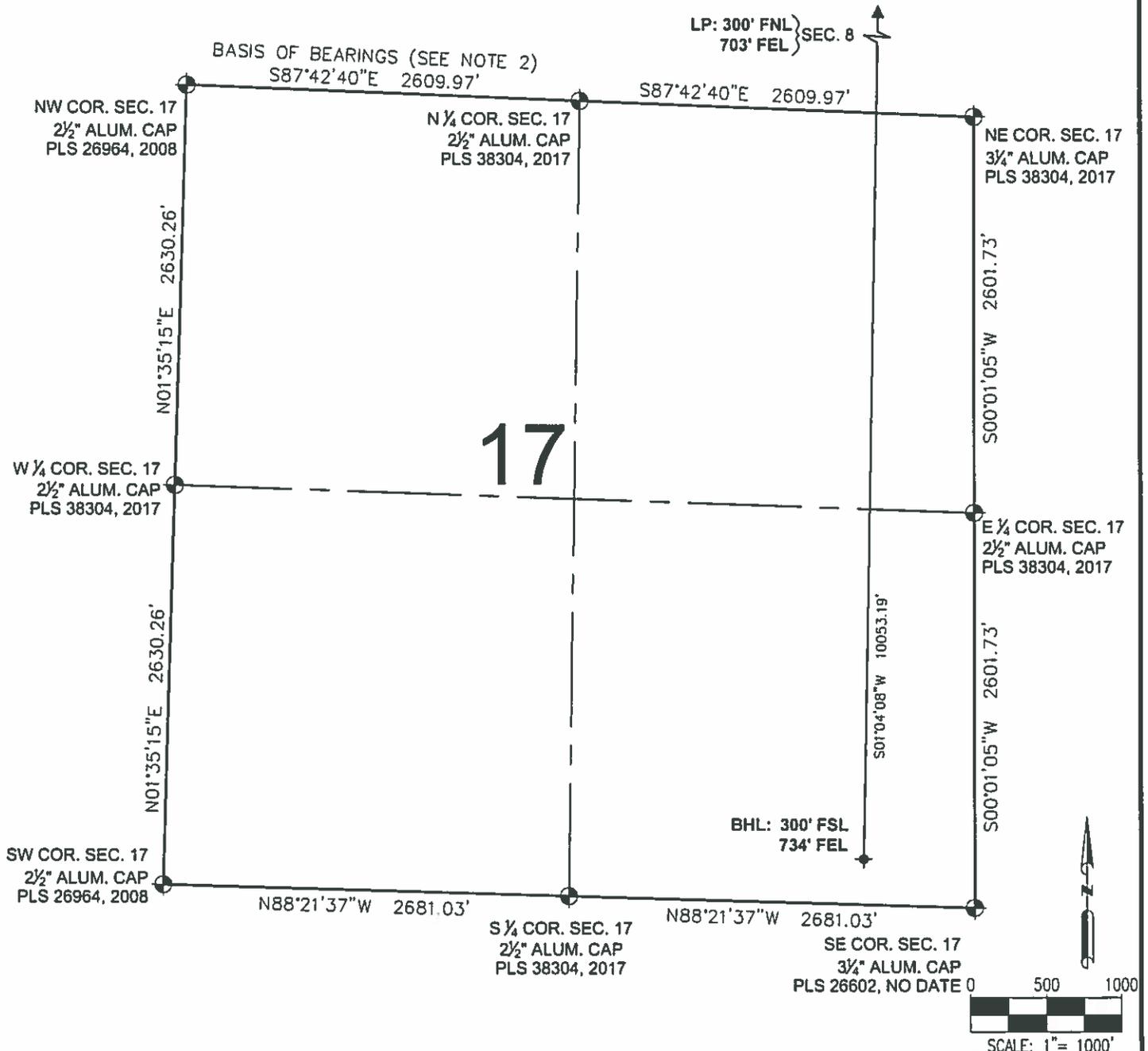
MICHAEL L. POOL, PLS 38304
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC



SHEET 1 OF 2

<p style="font-size: 8pt;">7535 Hilltop Circle Denver, CO 80221 (303) 978-7128 www.ascentgeomatics.com</p>	FIELD DATE 07-27-17	WELL NAME HARRY EAST 8S-20-11C	PREPARED FOR
	DRAWING DATE 07-28-17	SURFACE LOCATION: NE 1/4 NE 1/4 SEC. 8 T11N, R61W, 6TH P.M. WELD COUNTY, COLORADO	
BY: CSG	CHECKED MJW		

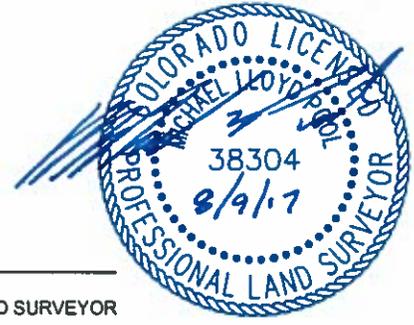
HARRY EAST 8S-20-11C WELL LOCATION CERTIFICATE



LEGEND

- ⊕ = EXISTING MONUMENT
- = CALCULATED POSITION
- = PROPOSED WELL
- ◆ = EXISTING WELL
- ⊕ = BOTTOM HOLE
- ▲ = LANDING POINT
- LP = LANDING POINT
- BHL = BOTTOM HOLE LOCATION

MICHAEL L. POOL, PLS 38304
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
 FOR AND ON BEHALF OF P.F.S., LLC



SHEET 2 OF 2

	FIELD DATE 07-27-17	WELL NAME HARRY EAST 8S-20-11C	PREPARED FOR
	DRAWING DATE 07-28-17	SURFACE LOCATION NE 1/4 NE 1/4 SEC. 8 T11N, R61W, 6TH P.M. WELD COUNTY, COLORADO	
BY: CSG	CHECKED MJW		

2535 Hilltop Circle
 Denver, CO 80221
 (303) 928-7128
 www.ascentsolutions.com