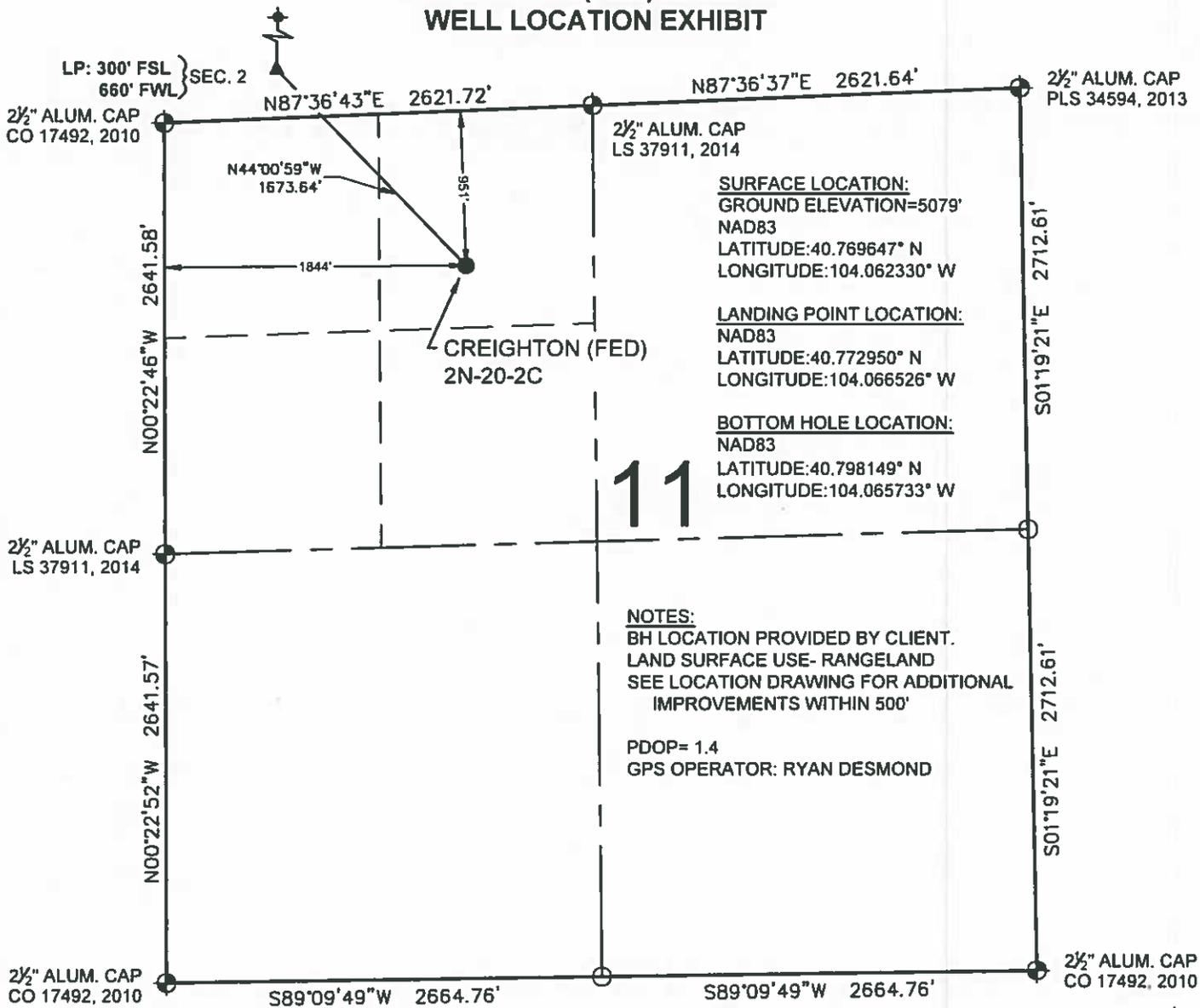


CREIGHTON (FED) 2N-20-2C WELL LOCATION EXHIBIT



SURFACE LOCATION:
GROUND ELEVATION=5079'
NAD83
LATITUDE:40.769647° N
LONGITUDE:104.062330° W

LANDING POINT LOCATION:
NAD83
LATITUDE:40.772950° N
LONGITUDE:104.066526° W

BOTTOM HOLE LOCATION:
NAD83
LATITUDE:40.798149° N
LONGITUDE:104.065733° W

11

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

PDOP= 1.4
GPS OPERATOR: RYAN DESMOND

LEGEND

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

- NOTES**
1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C. RULE NO. 215
 2. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE GROUND VALUES AS GPS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO LINES SHOWN HEREON. THIS LOW DISTORTION PROJECTION (LDP) IS BASED ON THE NORTH AMERICAN DATUM OF 1983, U.S. SURVEY FOOT WITH A LATITUDE ORIGIN OF 40.742679°N, A CENTRAL MERIDIAN LONGITUDE OF 104.088027°W, AND A SCALE FACTOR ON THE CENTRAL MERIDIAN OF 1.000238 (EXACT). THE LDP BASIS OF BEARINGS IS GEODETIC NORTH.
 3. FIELD VERIFICATION OF MONUMENTS COMPLETED WITHIN 1 YEAR OF SIGNATURE DATE, UNLESS OTHERWISE NOTED.

**WELL CREIGHTON (FED) 2N-20-2C TO BE
LOCATED 951' FNL & 1844' FWL**



I, ROBERT J. GUFFEY, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY STATE TO 8 NORTH LLC THAT THE WELL LOCATION EXHIBIT SHOWN HEREON WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED LOCATION OF THE WELL. THIS EXHIBIT MEETS THE REQUIREMENTS OF A GIS LAND POSITION AS DEFINED BY SECTION 38-51-102 (7.5) C.R.S. AND AS SUCH PER SECTION 38-51-109.3 C.R.S. CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.



ROBERT J. GUFFEY, PLS 20680
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC
d.b.a. ASCENT GEOMATICS SOLUTIONS

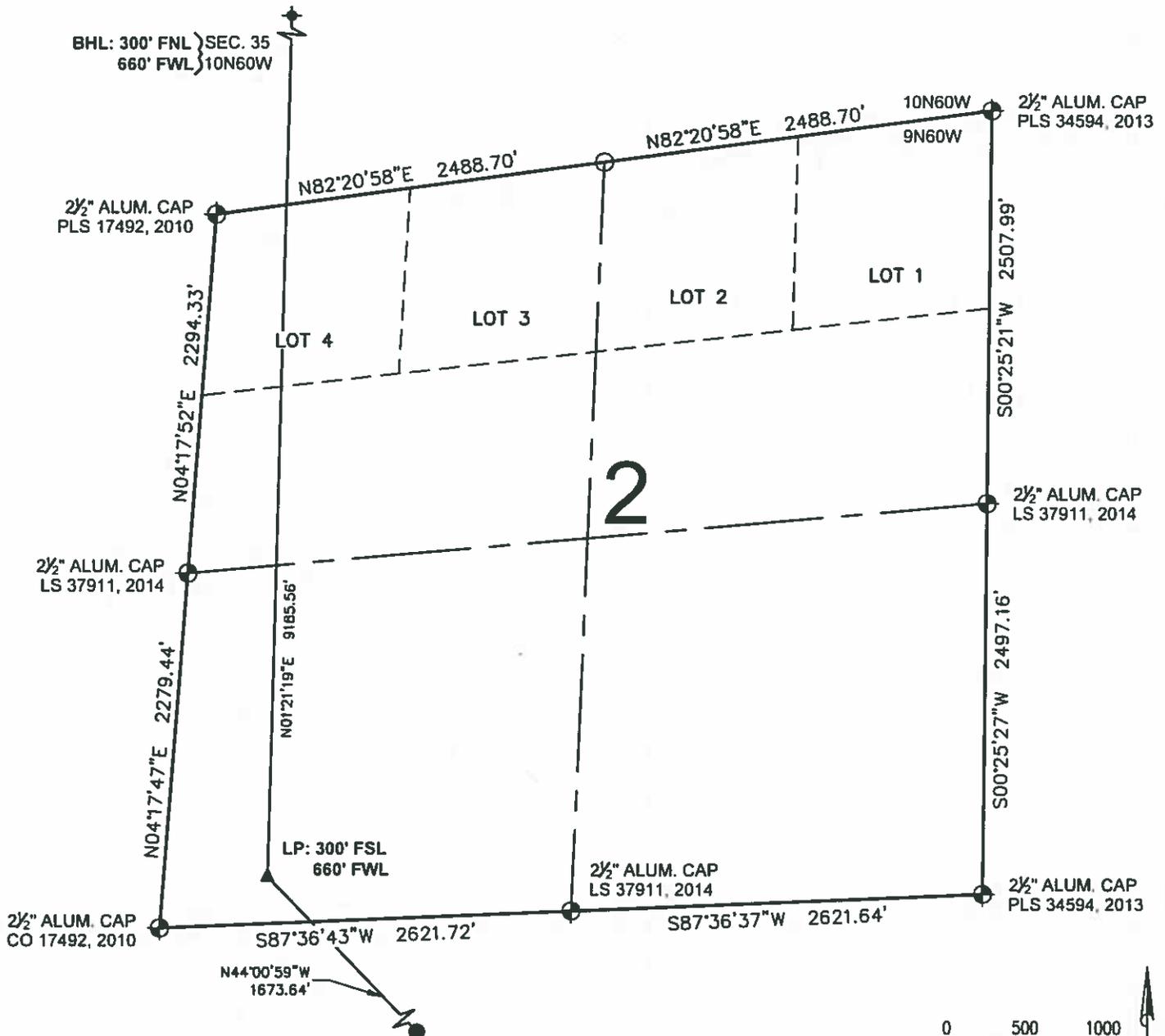
NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THIS SAID DATE OF THIS CERTIFICATION SHOWN HEREON.

SHEET 1 OF 3

<p>ASCENT GEOMATICS SOLUTIONS</p>	FIELD DATE 01-16-18	WELL NAME CREIGHTON (FED) 2N-20-2C	PREPARED FOR
	DRAWING DATE 01-18-18	SURFACE LOCATION NE 1/4 NW 1/4 SEC. 11, T9N, R60W, 6TH P.M. WELD COUNTY, COLORADO	
BY DJP	CHECKED IJM		

7535 Hilltop Circle
Denver, CO 80221
(303) 928-7128
www.ascentgeomatics.com

CREIGHTON (FED) 2N-20-2C WELL LOCATION EXHIBIT



LEGEND

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

ROBERT J. GUFFEY, PLS 20680
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
 FOR AND ON BEHALF OF P.F.S., LLC
 d.b.a. ASCENT GEOMATICS SOLUTIONS

SHEET 2 OF 3



FIELD DATE
01-16-18

DRAWING DATE
01-18-18

BY
DJP

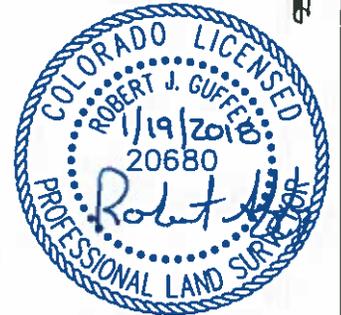
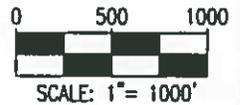
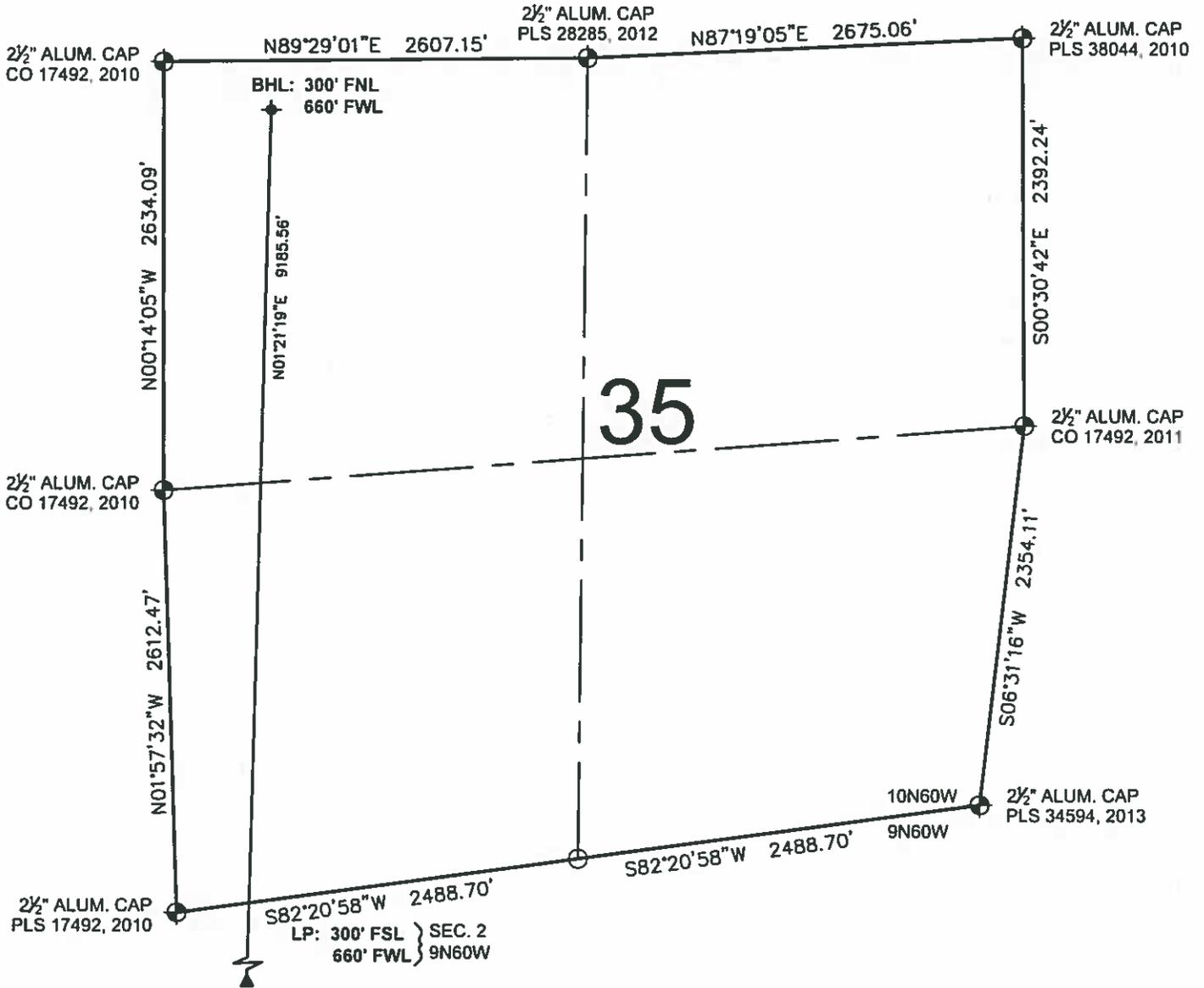
CHECKED
IJM

WELL NAME
CREIGHTON (FED) 2N-20-2C

SURFACE LOCATION
NE 1/4 NW 1/4 SEC. 11, T9N, R60W, 6TH P.M.
WELD COUNTY, COLORADO

PREPARED FOR

CREIGHTON (FED) 2N-20-2C WELL LOCATION EXHIBIT



LEGEND

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

ROBERT J. GUFFEY, PLS 20680
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
 FOR AND ON BEHALF OF P.F.S., LLC
 d.b.a. ASCENT GEOMATICS SOLUTIONS

SHEET 3 OF 3

 <p style="font-size: small;">7335 Hubcap Circle Deer, CO 80221 (303) 928-7123 www.ascentgeomatics.com</p>	FIELD DATE 01-16-18	WELL NAME CREIGHTON (FED) 2N-20-2C	PREPARED FOR 
	DRAWING DATE 01-18-18	SURFACE LOCATION NE 1/4 NW 1/4 SEC. 11, T9N, R60W, 6TH P.M. WELD COUNTY, COLORADO	
BY DJP	CHECKED IJM		