

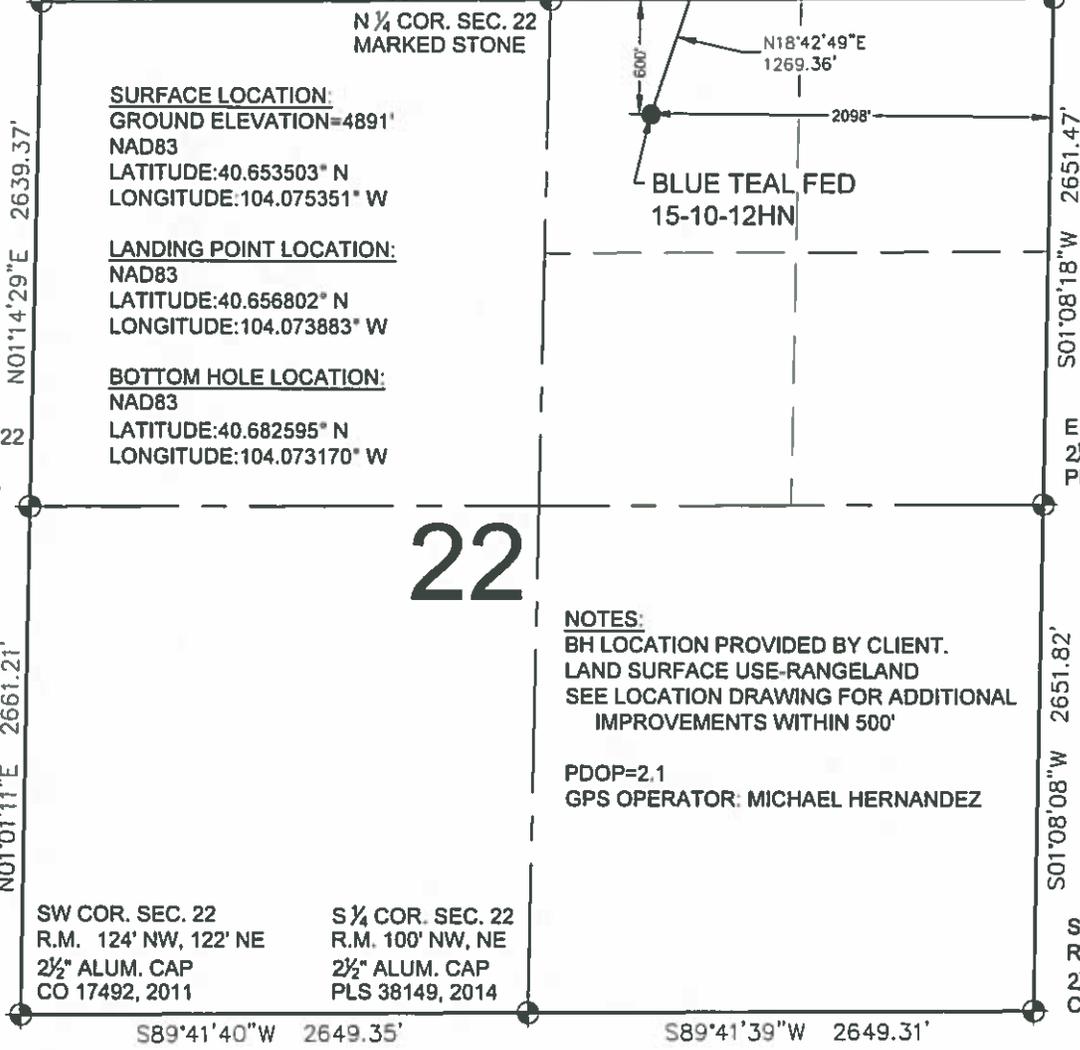
BLUE TEAL FED 15-10-12HN WELL LOCATION CERTIFICATE

NW COR. SEC. 22
3/4" ALUM. CAP
PLS 38304, 2017

BASIS OF BEARINGS (SEE NOTE 2)
N89°38'43"E 2662.12'

LP: 600' FSL
1715' FEL } SEC. 15

NE COR. SEC. 22
2 1/2" ALUM. CAP
RLS 26964, 2008



SURFACE LOCATION:
GROUND ELEVATION=4891'
NAD83
LATITUDE:40.653503° N
LONGITUDE:104.075351° W

LANDING POINT LOCATION:
NAD83
LATITUDE:40.656802° N
LONGITUDE:104.073883° W

BOTTOM HOLE LOCATION:
NAD83
LATITUDE:40.682595° N
LONGITUDE:104.073170° W

22

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

PDOP=2.1
GPS OPERATOR: MICHAEL HERNANDEZ

SW COR. SEC. 22
R.M. 124' NW, 122' NE
2 1/2" ALUM. CAP
CO 17492, 2011

S 1/4 COR. SEC. 22
R.M. 100' NW, NE
2 1/2" ALUM. CAP
PLS 38149, 2014

SE COR. SEC. 22
R.M. 125' SW, SE
2 1/2" ALUM. CAP
CO 17492, 2011

LEGEND

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

**WELL BLUE TEAL FED 15-10-12HN TO
BE LOCATED 600' FNL & 2098' 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 NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 22, BEARS N89°38'43"E 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 40.655085°N, A CENTRAL MERIDIAN LONGITUDE OF 104.086861°W, AND A SCALE FACTOR ON THE CENTRAL MERIDIAN OF 1.000232 (EXACT). THE LDP BASIS OF BEARINGS IS GEODETIC NORTH.
 4. FIELD VERIFICATION OF MONUMENTS COMPLETED WITHIN 1 YEAR OF SIGNATURE DATE.

I, ROBERT J. GUFFEY, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO **MALLARD EXPLORATION**, 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.

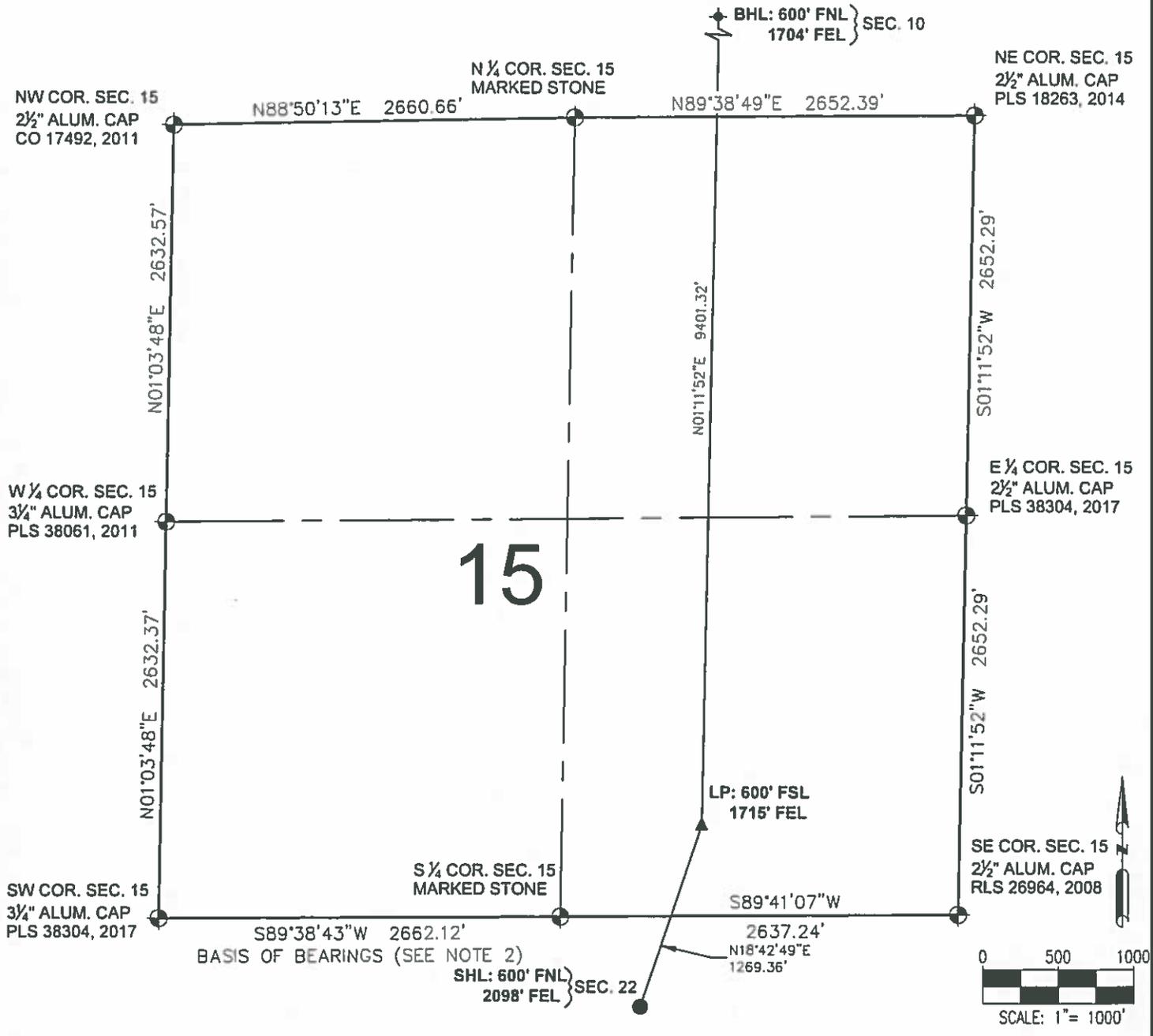


ROBERT J. GUFFEY, PLS 20680
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC

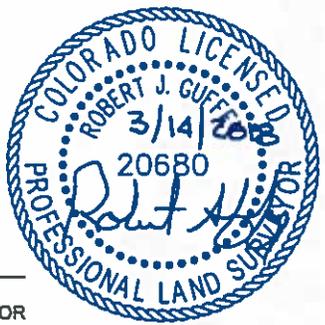
SHEET 1 OF 3

<p>7535 Hilltop Circle Denver, CO 80221 (303) 928-7128 www.ascentgeomatics.com</p>	FIELD DATE 08-22-17	WELL NAME: BLUE TEAL FED 15-10-12HN	PREPARED FOR
	DRAWING DATE 03-13-18	SURFACE LOCATION: NW 1/4 NE 1/4 SEC. 22 T8N, R60W, 6TH P.M. WELD COUNTY, COLORADO	
BY: SMF	CHECKED CSG		

BLUE TEAL FED 15-10-12HN WELL LOCATION CERTIFICATE



15



- LEGEND**
- ⊕ = EXISTING MONUMENT
 - = 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

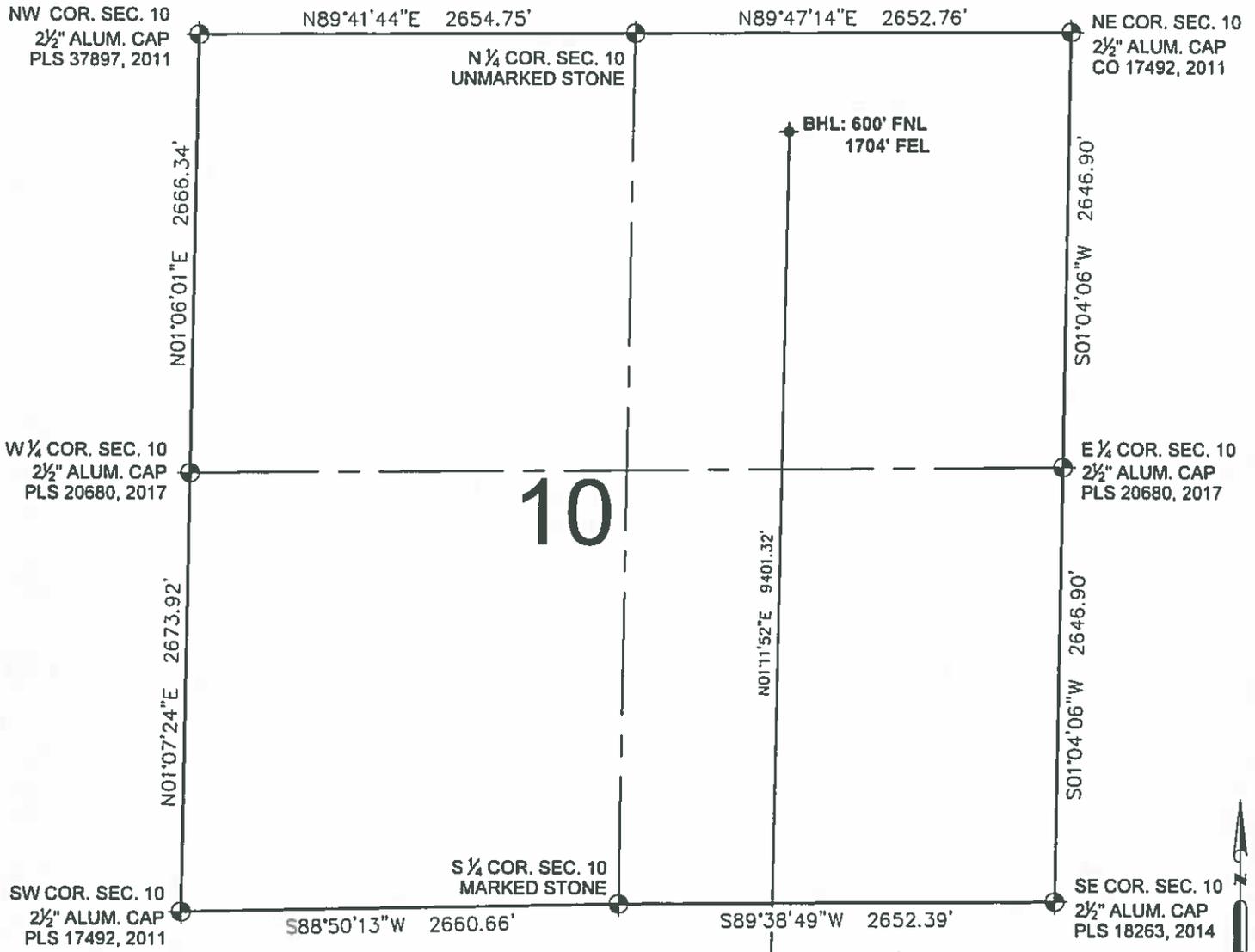
SHEET 2 OF 3



FIELD DATE: 08-22-17	WELL NAME: BLUE TEAL FED 15-10-12HN
DRAWING DATE: 03-13-18	SURFACE LOCATION: NW 1/4 NE 1/4 SEC. 22 T8N, R60W, 6TH P.M. WELD COUNTY, COLORADO
BY: SMF	CHECKED: CSG



BLUE TEAL FED 15-10-12HN WELL LOCATION CERTIFICATE



ROBERT J. GUFFEY, PLS 20680
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC

SHEET 3 OF 3

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



FIELD DATE
08-22-17

DRAWING DATE
03-13-18

BY:
SMF

CHECKED:
CSG

WELL NAME:
BLUE TEAL FED 15-10-12HN

SURFACE LOCATION:
NW 1/4 NE 1/4 SEC. 22 T8N, R60W, 6TH P.M.
WELD COUNTY, COLORADO

