

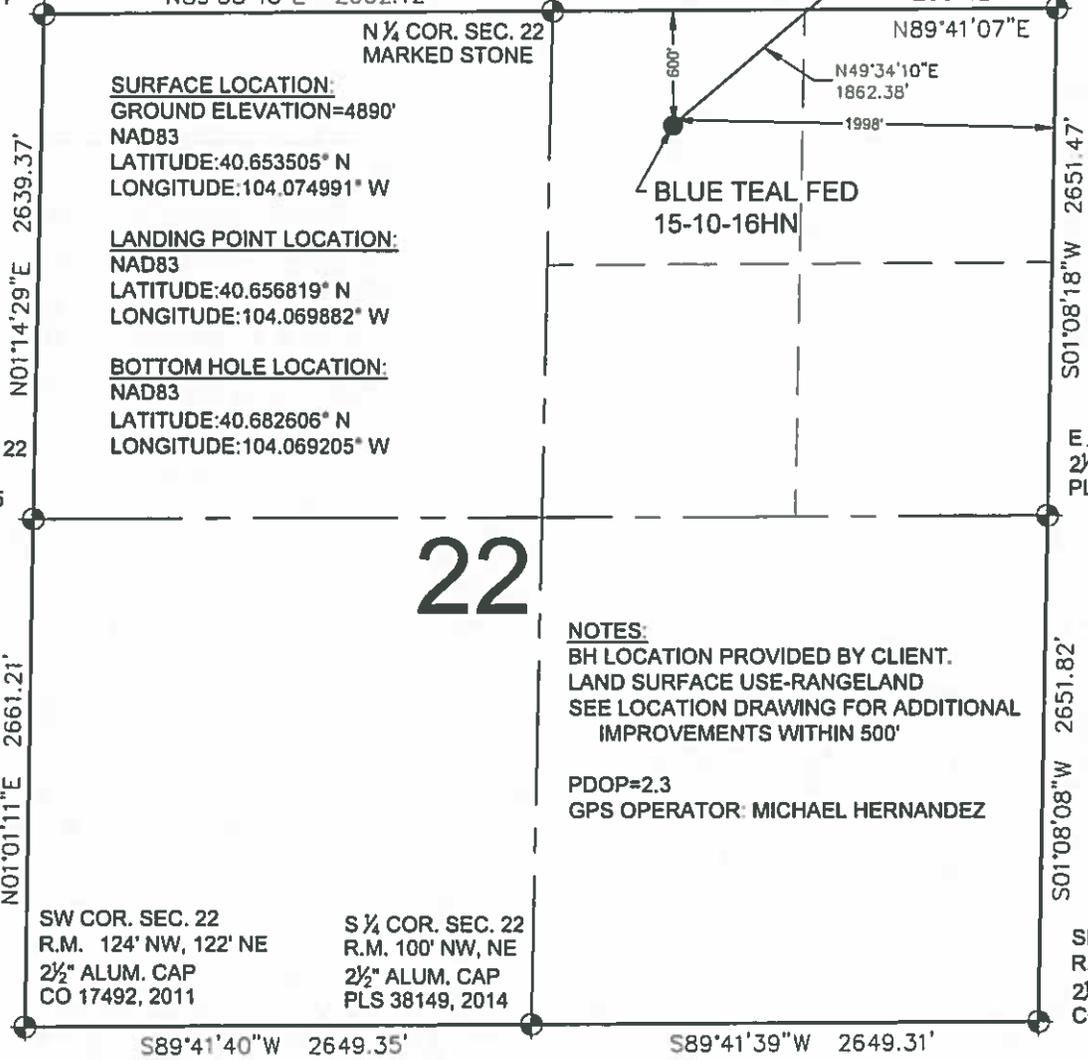
BLUE TEAL FED 15-10-16HN WELL LOCATION CERTIFICATE

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
605' FEL } SEC. 15

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



SURFACE LOCATION:
GROUND ELEVATION=4890'
NAD83
LATITUDE:40.653505° N
LONGITUDE:104.074991° W

LANDING POINT LOCATION:
NAD83
LATITUDE:40.656819° N
LONGITUDE:104.069882° W

BOTTOM HOLE LOCATION:
NAD83
LATITUDE:40.682606° N
LONGITUDE:104.069205° W

22

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

PDOP=2.3
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

E 1/4 COR. SEC. 22
2 1/2" ALUM. CAP
PLS 38304, 2017

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

S89°41'40"W 2649.35'

S89°41'39"W 2649.31'

LEGEND

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

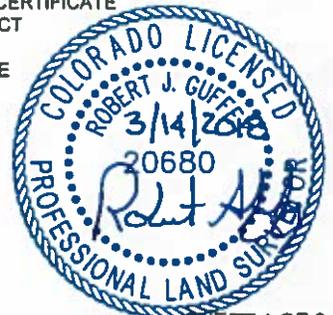
**WELL BLUE TEAL FED 15-10-16HN TO
BE LOCATED 600' FNL & 1998' FEL**



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 NORTHWEST 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.



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 CERTIFICATE SHOWN HEREON.

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) 978-7128 www.ascentgeomatics.com</p>	FIELD DATE: 08-22-17	WELL NAME: BLUE TEAL FED 15-10-16HN	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 15-10-16HN WELL LOCATION CERTIFICATE

BHL: 600' FNL } SEC. 10
605' FEL }

NW COR. SEC. 15
2½" ALUM. CAP
CO 17492, 2011

N88°50'13"E 2660.66'

N ¼ COR. SEC. 15
MARKED STONE

N89°38'49"E 2652.39'

NE COR. SEC. 15
2½" ALUM. CAP
PLS 18263, 2014

N01°03'48"E 2632.57'

N01°08'00"E 9399.12'

S01°11'52"W 2652.29'

W ¼ COR. SEC. 15
3¾" ALUM. CAP
PLS 38061, 2011

N01°03'48"E 2632.37'

E ¼ COR. SEC. 15
2½" ALUM. CAP
PLS 38304, 2017

15

LP: 600' FSL
605' FEL

SW COR. SEC. 15
3¾" ALUM. CAP
PLS 38304, 2017

S ¼ COR. SEC. 15
MARKED STONE

S89°38'43"W 2662.12'
BASIS OF BEARINGS (SEE NOTE 2)

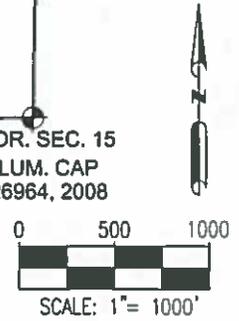
2637.24'

S89°41'07"W

N49°34'10"E
1862.38'

SE COR. SEC. 15
2½" ALUM. CAP
RLS 26964, 2008

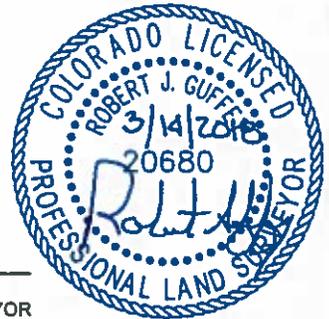
SHL: 600' FNL } SEC. 22
1998' FEL }



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



SHEET 2 OF 3

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

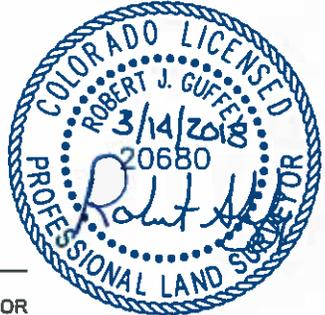
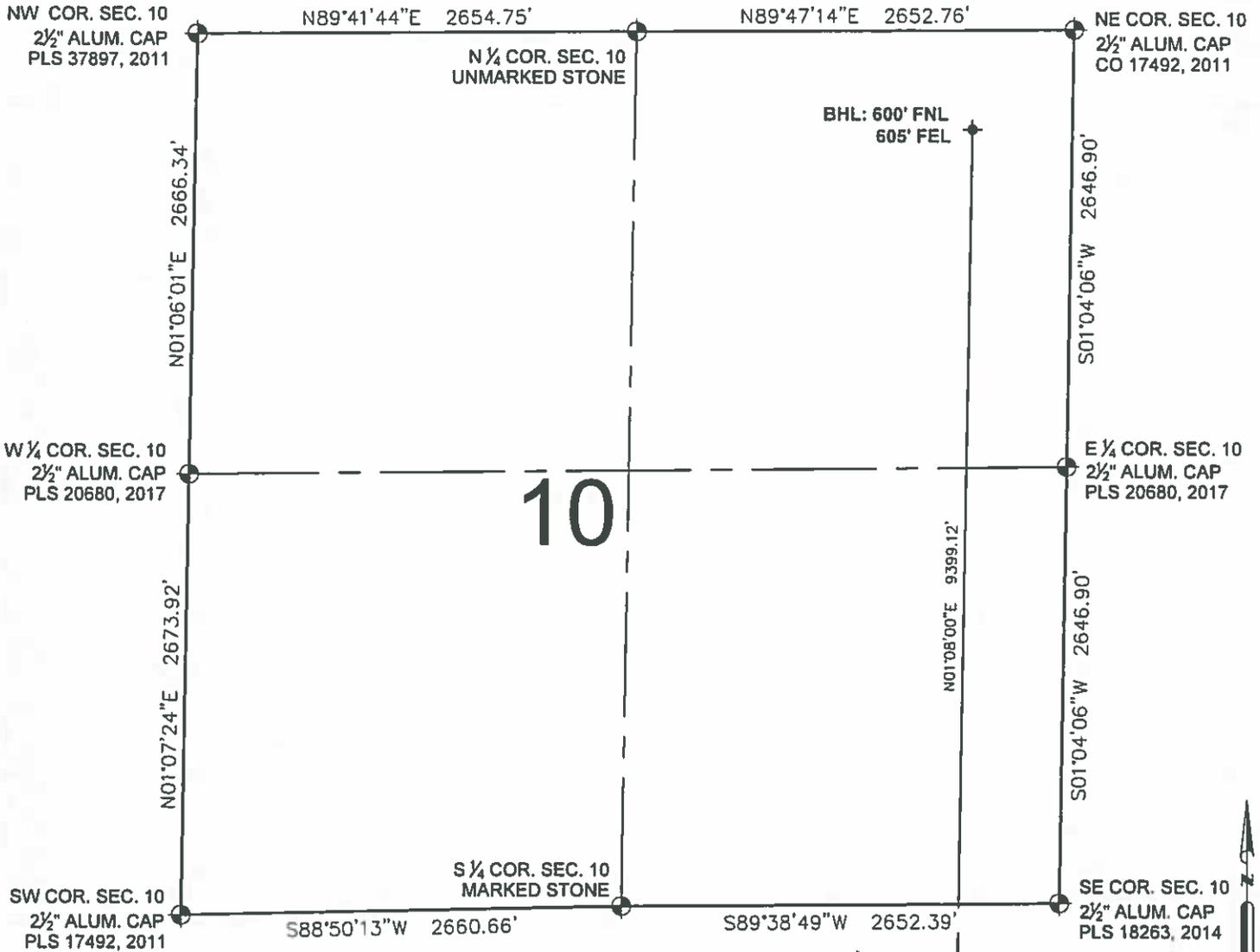
FIELD DATE 08-22-17	
DRAWING DATE 03-13-18	
BY SMF	CHECKED CSG

WELL NAME: BLUE TEAL FED 15-10-16HN
SURFACE LOCATION: NW 1/4 NE 1/4 SEC. 22 T8N, R60W, 6TH P.M. WELD COUNTY, COLORADO

PREPARED FOR

MALLARD
EXPLORATION

BLUE TEAL FED 15-10-16HN WELL LOCATION CERTIFICATE



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 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
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SHEET 3 OF 3



FIELD DATE: 08-22-17	WELL NAME: BLUE TEAL FED 15-10-16HN
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

