

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

NW COR. SEC. 22  
3 1/4" 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

N 1/4 COR. SEC. 22  
MARKED STONE

**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

W 1/4 COR. SEC. 22  
3 1/4" ALUM. CAP  
PLS 10855, 1995

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

# 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

S89°41'40"W 2649.35'

S89°41'39"W 2649.31'

## LEGEND

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- ◆ = BOTTOM HOLE
- ▲ = LANDING POINT
- LP = LANDING POINT
- BHL = BOTTOM HOLE LOCATION

**WELL BLUE TEAL FED 15-10-12HN TO  
BE LOCATED 600' FNL & 2098' FEL**

## NOTES

- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
- 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.
- 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.
- 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, 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



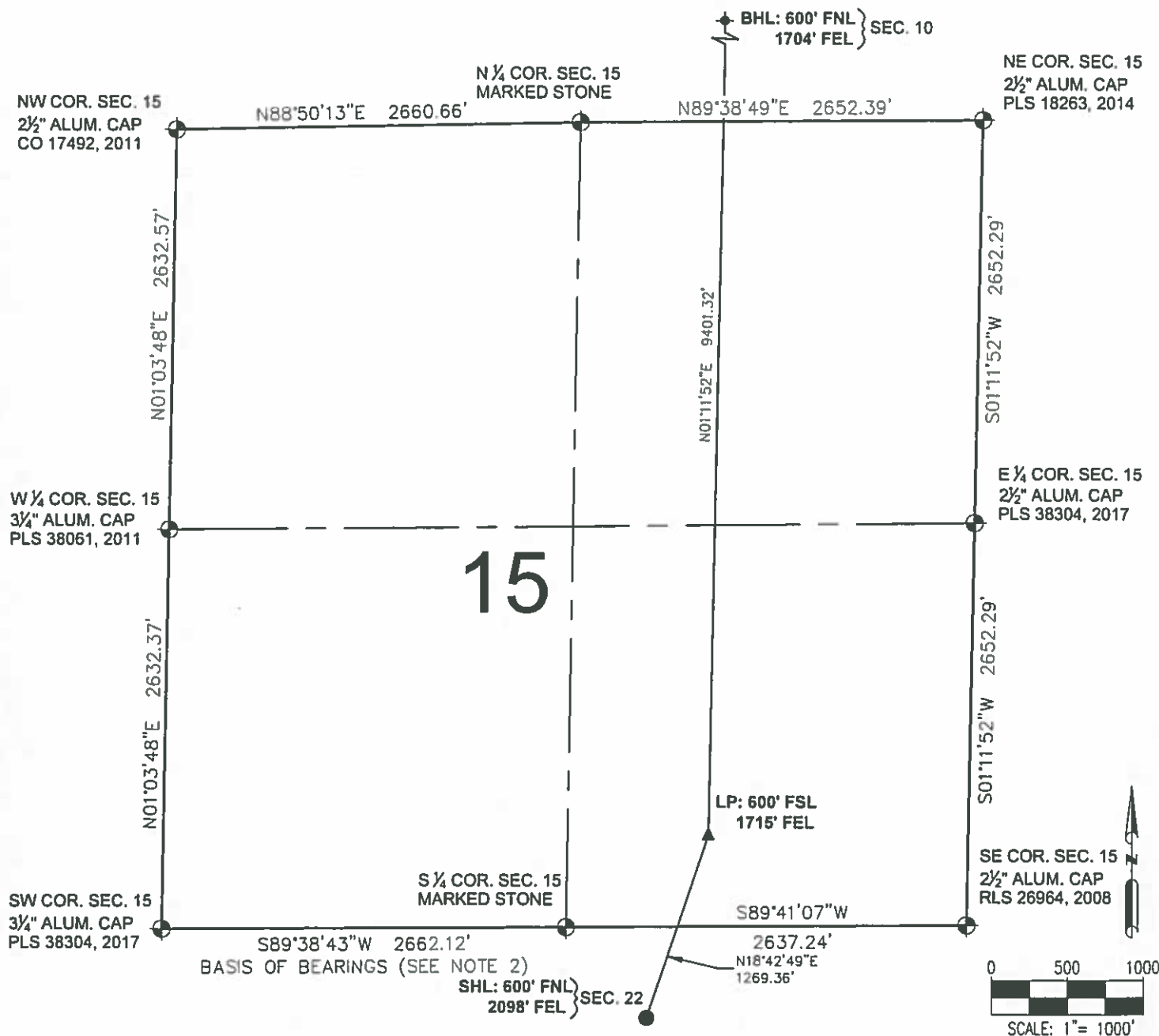
FIELD DATE  
08-22-17  
DRAWING DATE  
03-13-18  
BY:  
SMF  
CHECKED  
CSG

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






PREPARED FOR



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



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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



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.
BY SME	CHECKED CSG	WELD COUNTY, COLORADO

PREPARED FOR



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

The map shows Section 10, a 36-acre area bounded by Section 11 to the north, Section 9 to the south, Section 12 to the east, and Section 8 to the west. The section is divided into four 9-acre quarters. The corners are marked as follows:

- NW COR. SEC. 10: 2 1/2" ALUM. CAP PLS 37897, 2011
- N 1/4 COR. SEC. 10: UNMARKED STONE
- NE COR. SEC. 10: 2 1/2" ALUM. CAP CO 17492, 2011
- E 1/4 COR. SEC. 10: 2 1/2" ALUM. CAP PLS 20680, 2017
- SE COR. SEC. 10: 2 1/2" ALUM. CAP PLS 18263, 2014
- S 1/4 COR. SEC. 10: MARKED STONE
- SW COR. SEC. 10: 2 1/2" ALUM. CAP PLS 17492, 2011
- W 1/4 COR. SEC. 10: 2 1/2" ALUM. CAP PLS 20680, 2017

The proposed well location is marked with a diamond symbol (◆) at the intersection of the section lines. The well is located 600' FSL (Foot Surface Level) and 1715' FEL (Foot Elevation Level) from the section corner. The well is located 600' FNL (Foot North Line) and 1704' FEL (Foot Elevation Level) from the section corner.

Bearings and distances are provided for the section lines:

- Top line: N89°41'44"E 2654.75' (left), N89°47'14"E 2652.76' (right)
- Right line: S01°04'06"W 2646.90' (top), S01°04'06"W 2646.90' (bottom)
- Bottom line: S89°38'49"W 2652.39' (right), S88°50'13"W 2660.66' (left)
- Left line: N01°06'01"E 2666.34' (top), N01°07'24"E 2673.92' (bottom)

A scale bar indicates 0, 500, and 1000 feet. The scale is 1" = 1000'.

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

The seal is circular with the text "COLORADO LICENSED" at the top and "PROFESSIONAL LAND SURVEYOR" at the bottom. In the center, it reads "ROBERT J. GUFFEY", "3/14/2018", and "20680". A signature is written across the seal.


SHEET 3 OF 3

ASCENT  
GEOMATICS SOLUTIONS  
7535 Hilltop Circle  
Denver, CO 80221  
(303) 928-7128  
www.ascentsolutions.com

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CSG

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WELD COUNTY, COLORADO

MALLARD  
EXPLORATION

 <p>7535 Hilhop Circle Denver, CO 80221 (303) 928-2128 www.ascentgeomatics.com</p>	FIELD DATE <b>08-22-17</b>	WELL NAME <b>BLUE TEAL FED 15-10-12HN</b>	PREPARED FOR  <p><b>MALLARD</b> EXPLORATION</p>
	DRAWING DATE <b>03-13-18</b>	SURFACE LOCATION <b>NW 1/4 NE 1/4 SEC. 22 T8N, R60W, 6TH P.M.</b> <b>WELD COUNTY, COLORADO</b>	