

# GREEN TEAL FED 34-27-14HN WELL LOCATION CERTIFICATE

BHL: 300' FNL } SEC. 27  
790' FEL }

NW COR. SEC. 34  
3/4" ALUM. CAP  
PLS 26602, 1997

N89°58'45"E 2649.84'

N 1/4 COR. SEC. 34  
MARKED STONE

BASIS OF BEARINGS  
(SEE NOTE 2)  
N89°50'58"E 2643.61'

NE COR. SEC. 34  
3/4" ALUM. CAP  
PLS 26602, 2000

SURFACE LOCATION:  
GROUND ELEVATION=4923'  
NAD83  
LATITUDE:40.612877° N  
LONGITUDE:104.080970° W

LANDING POINT LOCATION:  
NAD83  
LATITUDE:40.612343° N  
LONGITUDE:104.071730° W

BOTTOM HOLE LOCATION:  
NAD83  
LATITUDE:40.639796° N  
LONGITUDE:104.070999° W

# 34

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

PDOP=1.8  
GPS OPERATOR: IAN CARABAJAL

**GREEN TEAL FED  
34-27-14HN**

1942'

S85°39'59"E 2573.38'

LP: 300' FSL  
790' FEL

W 1/4 COR. SEC. 34  
MARKED STONE

E 1/4 COR. SEC. 34  
2 1/2" ALUM. CAP  
PLS 38149, 2014

N01°18'52"E 2646.90'

N01°09'11"E 10006.45'

S01°07'56"W 2652.22'

S01°07'54"W 2652.28'

SW COR. SEC. 34  
2 1/2" ALUM. CAP  
LS 30462, 2010

S89°52'31"W 2652.29'

S 1/4 COR. SEC. 34  
2 1/2" ALUM. CAP  
PLS 38149, 2014

S89°52'35"W 2652.31'

SE COR. SEC. 34  
2 1/2" ALUM. CAP  
LS 30462, 2010

### LEGEND

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

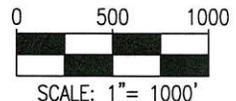
- NOTES:**
- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
  - BEARINGS ARE BASED ON THE ASSUMPTION THAT THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 34, BEARS N89°50'58"E BETWEEN THE MONUMENTS SHOWN HEREON.
  - ALL DISTANCES AND BEARINGS SHOWN HEREON ARE 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.

### WELL GREEN TEAL FED 34-27-14HN TO BE LOCATED 500' FSL & 1942' FWL

I, ROBERT J. GUFFEY, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY STATE THAT THIS WELL LOCATION CERTIFICATE WAS MADE FROM AN ACTUAL FIELD SURVEY PERFORMED UNDER MY RESPONSIBLE CHARGE ON THE DATE SHOWN HEREON AND CORRECTLY SHOWS THE LOCATION OF THE WELL SHOWN HEREON, AS STAKED ON THE GROUND, AND THE LOCATION OF THE LINES OF THE PUBLIC LAND SURVEY SYSTEM TO MY KNOWLEDGE, INFORMATION, AND BELIEF. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.R.S. 38-51-102 AND IS IN ACCORDANCE WITH THE APPLICABLE STANDARDS OF PRACTICE FOR PROFESSIONAL LAND SURVEYING. THIS CERTIFICATE IS NOT A GUARANTY OR WARRANTY, EITHER EXPRESSED OR IMPLIED.

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 1 OF 2



FIELD DATE:  
08-23-17

DRAWING DATE:  
01-10-19

BY:  
JAG

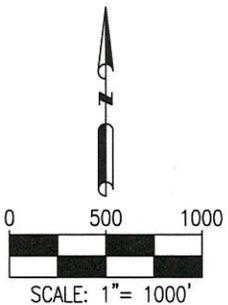
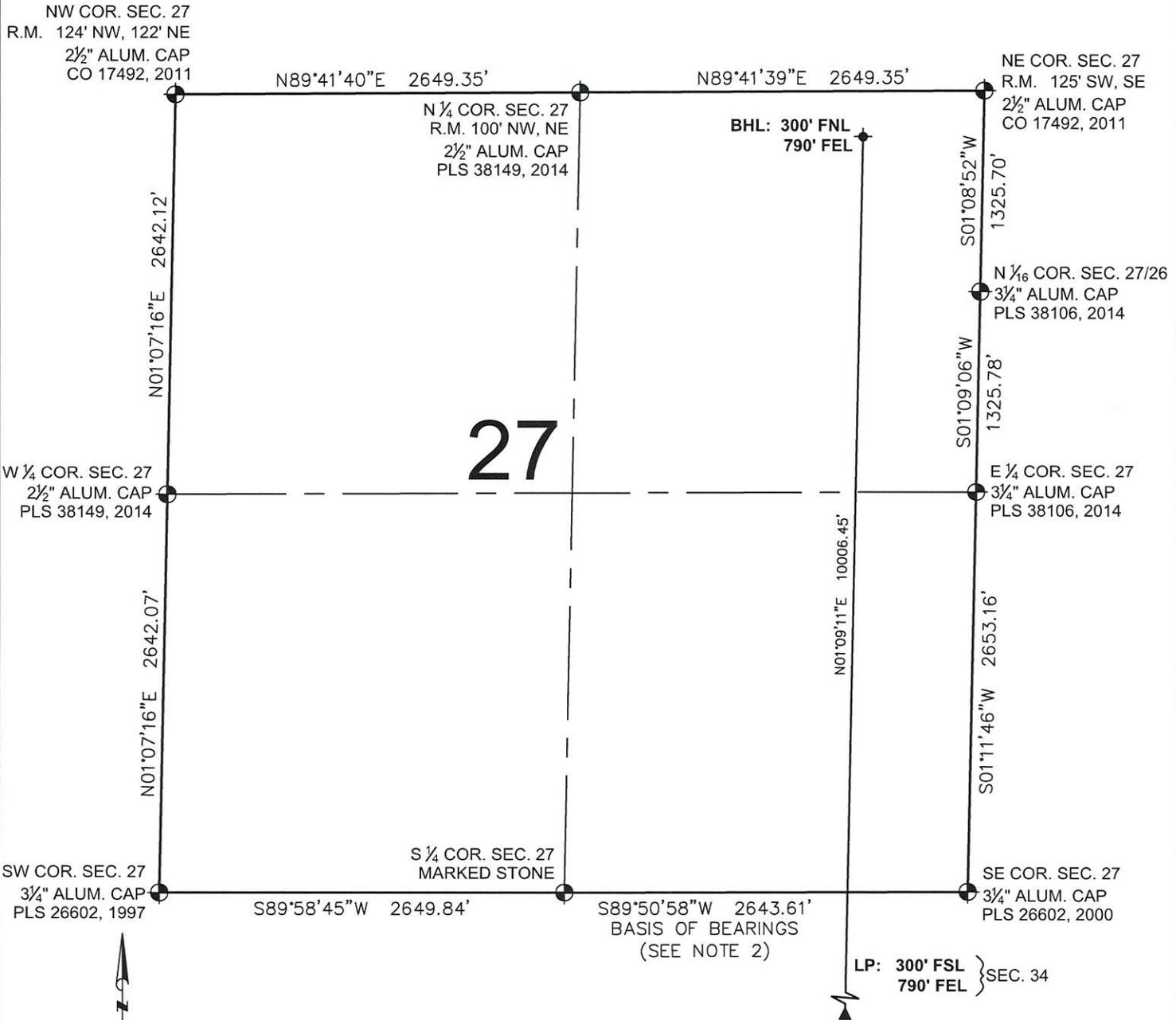
CHECKED:  
MMP

WELL NAME:  
GREEN TEAL FED 34-27-14HN

SURFACE LOCATION:  
SE 1/4 SW 1/4 SEC. 34 T8N, R60W, 6TH P.M.  
WELD COUNTY, COLORADO



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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

 7535 Hilltop Circle Denver, CO 80221 (303) 928-7128 www.ascentgeomatics.com	FIELD DATE: 08-23-17	WELL NAME: GREEN TEAL FED 34-27-14HN	PREPARED FOR:  <b>MALLARD</b> EXPLORATION
	DRAWING DATE: 01-10-19	SURFACE LOCATION: SE 1/4 SW 1/4 SEC. 34 T8N, R60W, 6TH P.M. WELD COUNTY, COLORADO	
BY: JAG	CHECKED: MMP		