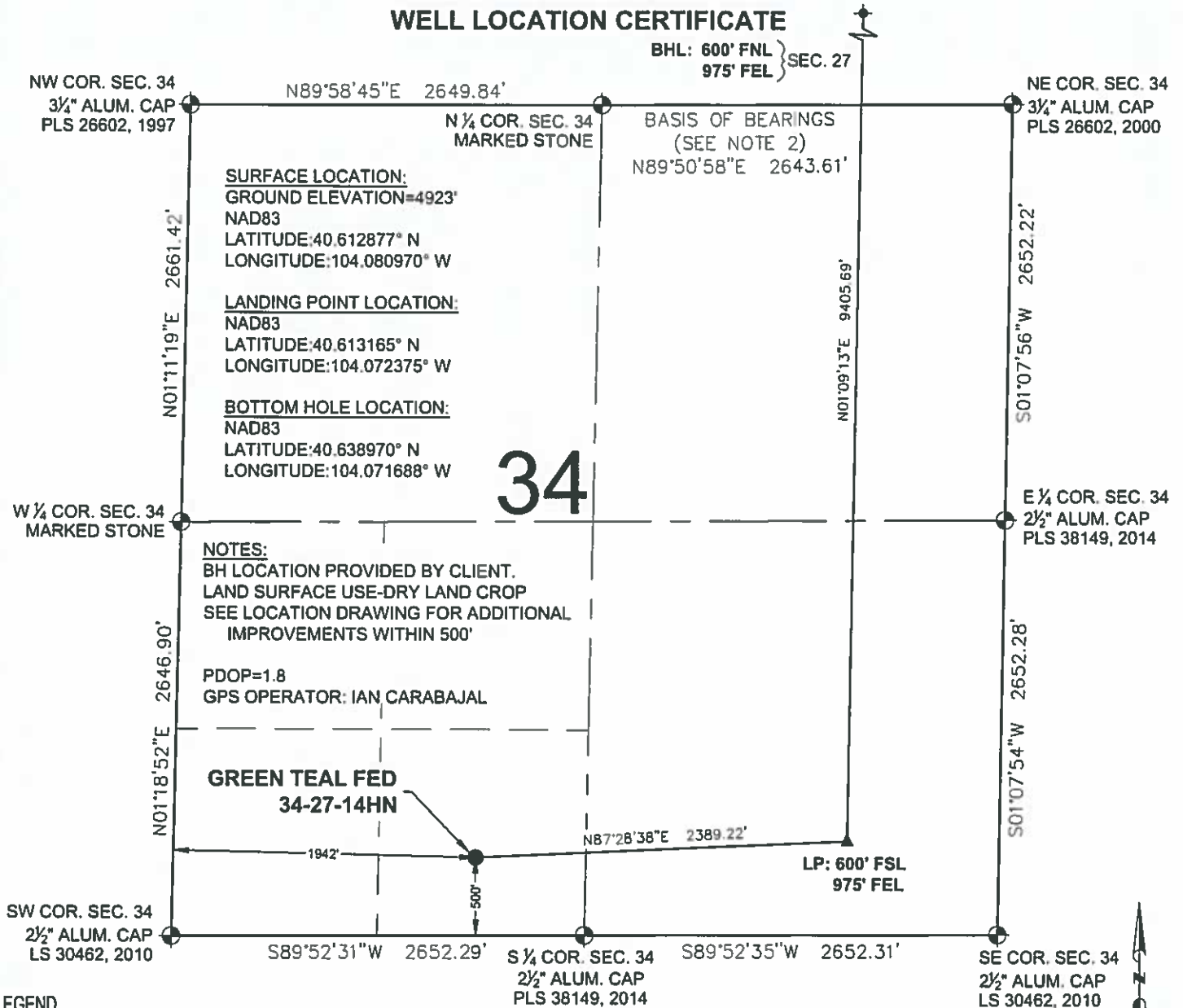


GREEN TEAL FED 34-27-14HN WELL LOCATION CERTIFICATE



LEGEND

- ⊕ = EXISTING MONUMENT
- = CALCULATED POSITION
- = PROPOSED WELL
- ◆ = EXISTING WELL
- ⬮ = BOTTOM HOLE
- ▲ = LANDING POINT
- LP = LANDING POINT
- 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, MICHAEL L. POOL, 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.

MICHAEL L. POOL, PLS 38304
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC



SHEET 1 OF 2



FIELD DATE
08-23-17

DRAWING DATE
08-25-17

BY
SMF

CHECKED
DJP

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

PREPARED FOR



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

NW COR. SEC. 27
R.M. 124' NW, 122' NE
2½" ALUM. CAP
CO 17492, 2011

N89°41'40"E 2649.35'

N89°41'39"E 2649.35'

NE COR. SEC. 27
R.M. 125' SW, SE
2½" ALUM. CAP
CO 17492, 2011

N ¼ COR. SEC. 27
R.M. 100' NW, NE
2½" ALUM. CAP
PLS 38149, 2014

BHL: 600' FNL
975' FEL

S01°08'52"W
1325.70'

N ¼ COR. SEC. 27/26
3¼" ALUM. CAP
PLS 38106, 2014

S01°09'06"W
1325.78'

E ¼ COR. SEC. 27
3¼" ALUM. CAP
PLS 38106, 2014

27

W ¼ COR. SEC. 27
2½" ALUM. CAP
PLS 38149, 2014

N01°07'16"E 2642.12'

N01°07'16"E 2642.07'

N01°09'13"E 9405.69'

S01°11'46"W 2653.16'

SW COR. SEC. 27
3¼" ALUM. CAP
PLS 26602, 1997

S ¼ COR. SEC. 27
MARKED STONE

S89°58'45"W 2649.84'

S89°50'58"W 2643.61'
BASIS OF BEARINGS
(SEE NOTE 2)

SE COR. SEC. 27
3¼" ALUM. CAP
PLS 26602, 2000

LP: 600' FSL
975' FEL } SEC. 34



0 500 1000

SCALE: 1" = 1000'

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MICHAEL L. POOL, PLS 38304
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC



SHEET 2 OF 2



FIELD DATE
08-23-17
DRAWING DATE
08-25-17
BY
SMF
CHECKED
DJP

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

