

GREEN TEAL FED 34-27-4HN WELL LOCATION CERTIFICATE

BHL: 600' FNL
1345' FWL } SEC. 27

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

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

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

N01°11'19"E 2661.42'

N01°10'54"E 9396.36'

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

PDOP=1.5
GPS OPERATOR: IAN CARABAJAL

34

S01°07'56"W 2652.22'

W 1/4 COR. SEC. 34
MARKED STONE

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

SURFACE LOCATION:
GROUND ELEVATION=4923'
NAD83
LATITUDE:40.612876° N
LONGITUDE:104.081691° W

LANDING POINT LOCATION:
NAD83
LATITUDE:40.613148° N
LONGITUDE:104.083113° W

BOTTOM HOLE LOCATION:
NAD83
LATITUDE:40.638928° N
LONGITUDE:104.082414° W

N01°18'52"E 2646.90'

LP: 600' FSL
1345' FWL

N75°54'53"W
407.37'

**GREEN TEAL FED
34-27-4HN**

500'

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

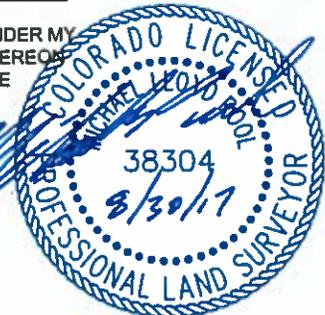
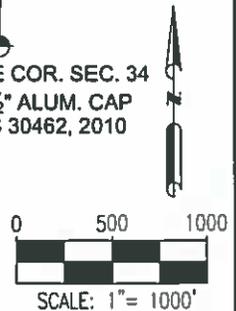
- NOTES:**
1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
 2. BEARINGS ARE BASED ON THE ASSUMPTION THAT THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 34, BEARS N89°50'58"E BETWEEN THE MONUMENTS SHOWN HEREON.
 3. ALL DISTANCES AND BEARINGS SHOWN HEREON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

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 34-27-4HN TO BE LOCATED 500' FSL & 1742' 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

<p style="font-size: 8pt;">7535 Hilltop Circle Denver, CO 80221 (303) 928-7128 www.ascentgeomatics.com</p>	FIELD DATE 08-23-17	WELL NAME GREEN TEAL FED 34-27-4HN	PREPARED FOR
	DRAWING DATE 08-25-17	SURFACE LOCATION SE 1/4 SW 1/4 SEC. 34 T8N, R60W, 6TH P.M. WELD COUNTY, COLORADO	
BY SMF	CHECKED DJP		

GREEN TEAL FED 34-27-4HN 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
1345' FWL

S01°08'52"W
1325.70'

N ⅙ COR. SEC. 27/26
¾" ALUM. CAP
PLS 38106, 2014

S01°09'06"W
1325.78'

27

W ¼ COR. SEC. 27
¾" ALUM. CAP
PLS 38149, 2014

E ¼ COR. SEC. 27
¾" ALUM. CAP
PLS 38106, 2014

N01°07'16"E 2642.07'

N01°10'54"E 9396.36'

S01°11'46"W 2653.16'

SW COR. SEC. 27
¾" ALUM. CAP
PLS 26602, 1997

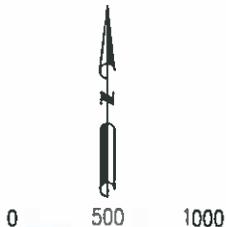
2649.84'
S89°58'45"W

S ¼ COR. SEC. 27
MARKED STONE

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

SE COR. SEC. 27
¾" ALUM. CAP
PLS 26602, 2000

LP: 600' FSL } SEC. 34
1345' FWL }

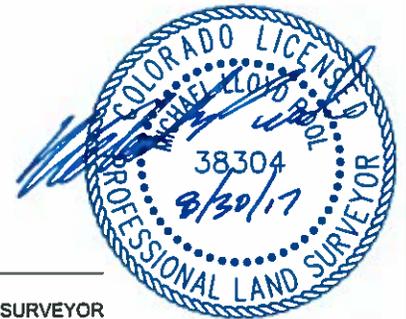


SCALE: 1" = 1000'

LEGEND

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

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



SHEET 2 OF 2

<p>ASCENT GEOMATICS SOLUTIONS</p>	FIELD DATE 08-23-17	WELL NAME GREEN TEAL FED 34-27-4HN	PREPARED FOR <p>MALLARD EXPLORATION</p>
	DRAWING DATE 08-25-17	SURFACE LOCATION SE 1/4 SW 1/4 SEC. 34 T8N, R60W, 6TH P.M. WELD COUNTY, COLORADO	
BY SMF	CHECKED DJP		