

# GADWALL 30-31-8HN WELL LOCATION CERTIFICATE

NW COR. SEC. 30  
R.M. 80' NW, NE  
2½" ALUM. CAP  
CO 17492, 2011

N89°52'34"E 2620.24'

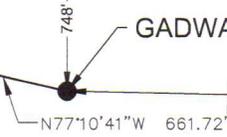
N89°52'34"E 2654.08'

NE COR. SEC. 30  
R.M. 100' NW, NE  
2½" ALUM. CAP  
CO 17492, 2011

N ¼ COR. SEC. 30  
R.M. 100' NW, NE  
2½" ALUM. CAP  
PLS 38304, 2017

LP: 600' FNL  
2455' FWL

GADWALL 30-31-8HN



N00°50'36"E 2644.65'

No. 1

No. 2

No. 3

No. 4

S01°09'09"W 2647.89'

S00°59'07"W 2644.17'

W ¼ COR. SEC. 30  
¾" ALUM. CAP  
LS 7242, 2002

N00°48'55"E 2639.98'

S00°52'04"W 9376.55'

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

PDOP=1.4  
GPS OPERATOR: IAN CARABAJAL

# 30

**SURFACE LOCATION:**  
GROUND ELEVATION=4950'  
NAD83  
LATITUDE:40.638433° N  
LONGITUDE:104.133186° W

**LANDING POINT LOCATION:**  
NAD83  
LATITUDE:40.638835° N  
LONGITUDE:104.135510° W

**BOTTOM HOLE LOCATION:**  
NAD83  
LATITUDE:40.613107° N  
LONGITUDE:104.136003° W

SW COR. SEC. 30  
¾" ALUM. CAP  
LS 7242, 2002

S89°57'04"W 2606.49'

S ¼ COR. SEC. 30  
MARKED STONE

S89°57'15"W 2645.58'

SE COR. SEC. 30  
¾" ALUM. CAP  
PLS 38304, 2017

BHL: 600' FSL  
2455' FWL } SEC. 31

BASIS OF BEARINGS (SEE NOTE 2)

**LEGEND**

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

**WELL GADWALL 30-31-8HN TO BE  
LOCATED 748' FNL & 2167' FEL**

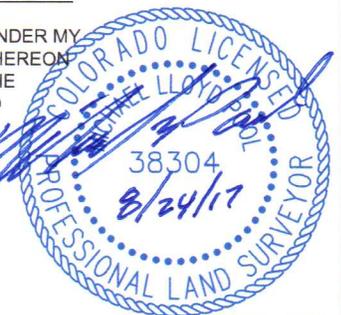
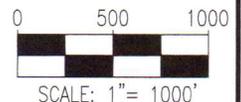
**NOTES:**

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 SOUTH LINE OF THE SOUTHEAST QUARTER OF SECTION 30, BEARS S89°57'15"W 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.

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



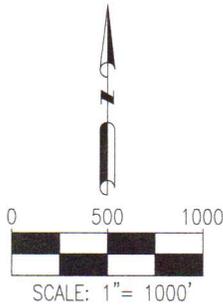
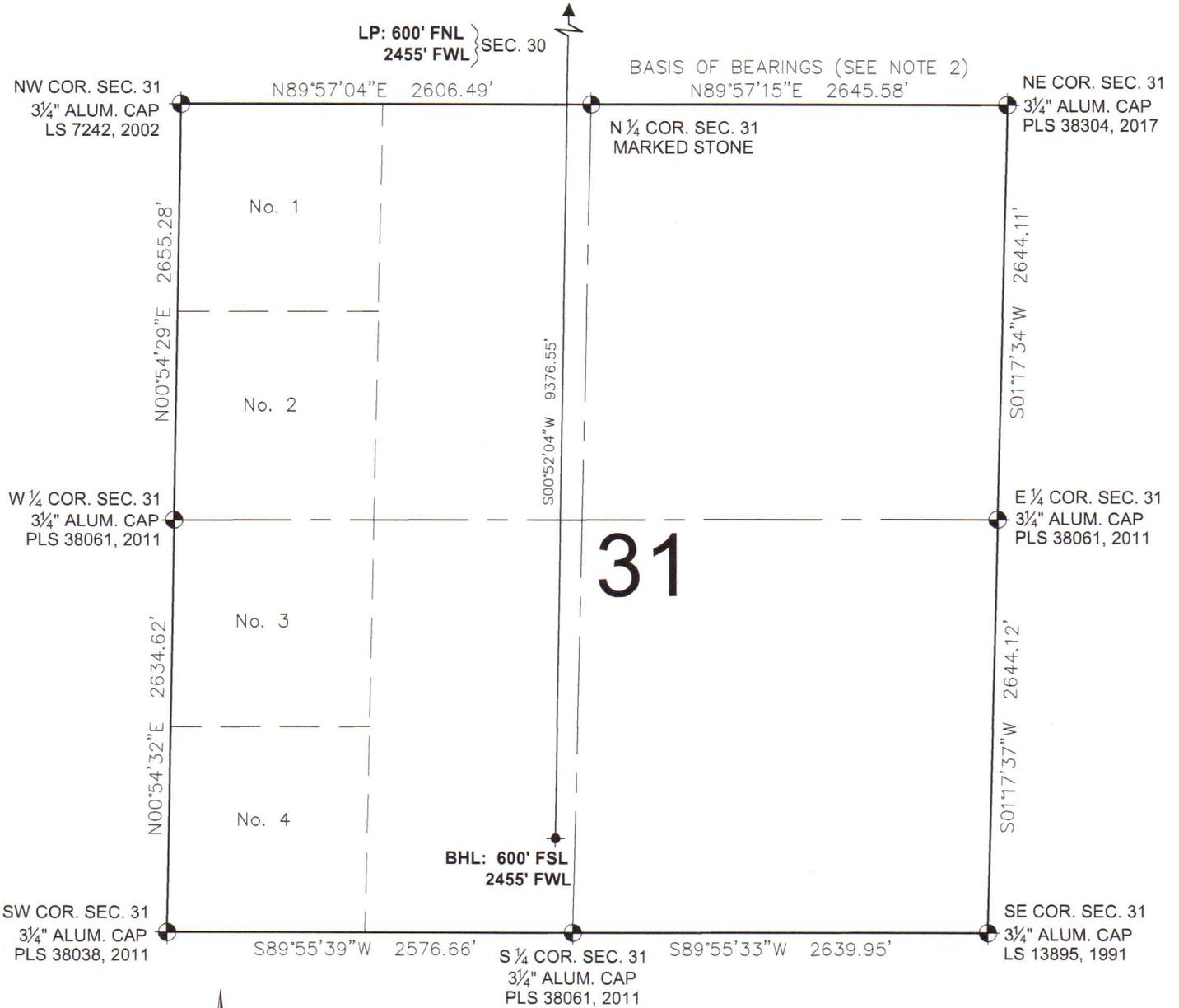
SHEET 1 OF 2

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

FIELD DATE: 08-10-17	WELL NAME: GADWALL 30-31-8HN
DRAWING DATE: 08-23-17	SURFACE LOCATION: NW 1/4 NE 1/4 SEC. 30 T8N, R60W, 6TH P.M.
BY: SMF	CHECKED: DJP
WELD COUNTY, COLORADO	

PREPARED FOR:

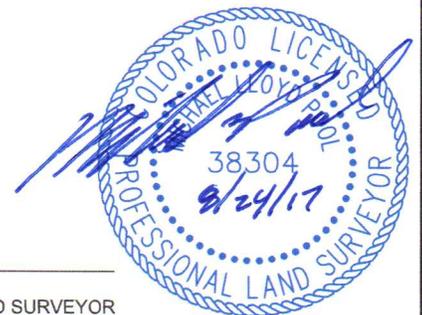
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 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
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SHEET 2 OF 2

<p>7535 Hilltop Circle Denver, CO 80221 (303) 928-7128 www.ascentgeomatics.com</p>	FIELD DATE: 08-10-17	WELL NAME: GADWALL 30-31-8HN	PREPARED FOR: 
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