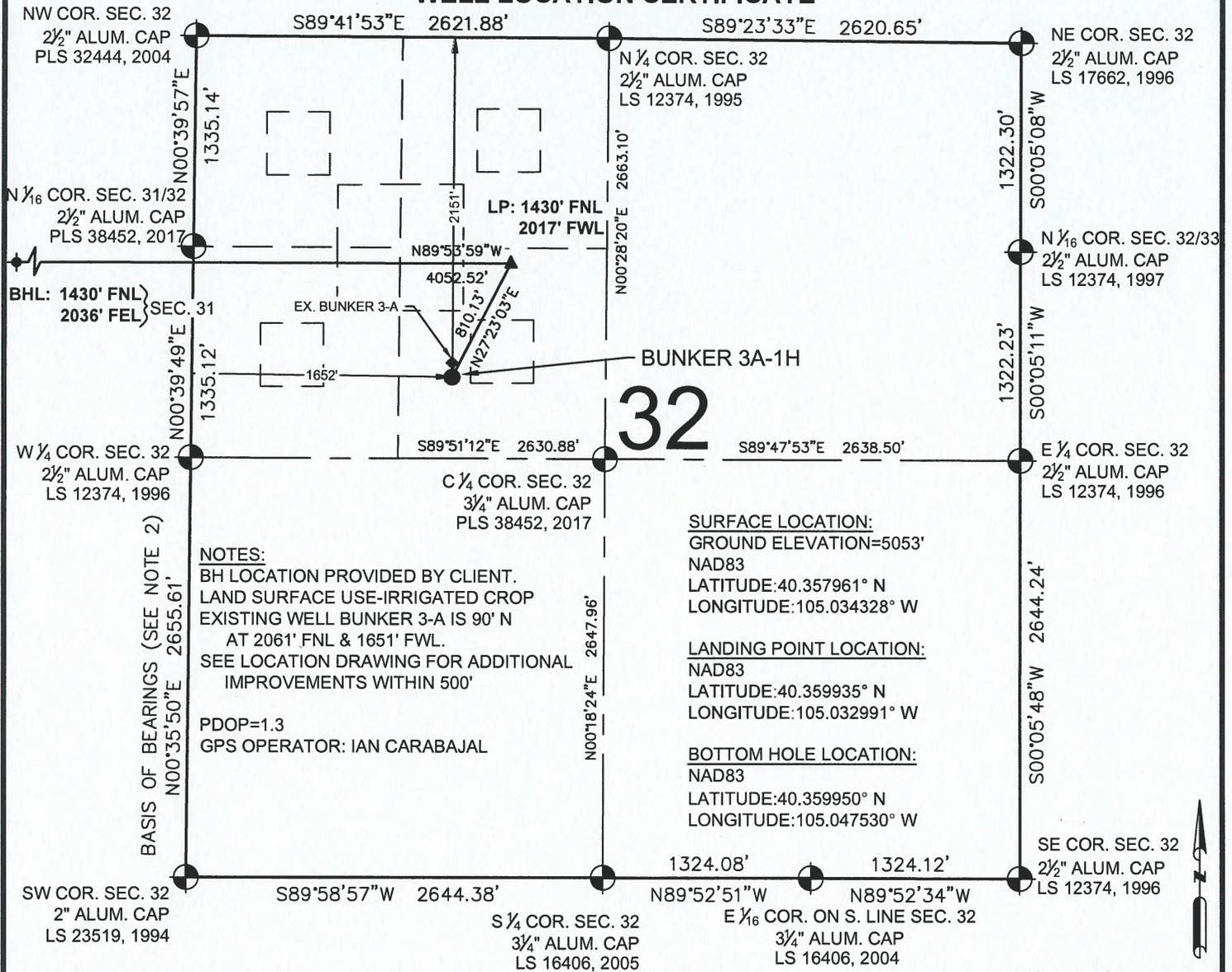


BUNKER 3A-1H WELL LOCATION CERTIFICATE



BASIS OF BEARINGS (SEE NOTE 2)
N00°35'50"E 2655.61'

NOTES:
 BH LOCATION PROVIDED BY CLIENT.
 LAND SURFACE USE-IRRIGATED CROP
 EXISTING WELL BUNKER 3-A IS 90° N
 AT 2061' FNL & 1651' FWL.
 SEE LOCATION DRAWING FOR ADDITIONAL
 IMPROVEMENTS WITHIN 500'
 PDOP=1.3
 GPS OPERATOR: IAN CARABAJAL

SURFACE LOCATION:
 GROUND ELEVATION=5053'
 NAD83
 LATITUDE:40.357961° N
 LONGITUDE:105.034328° W

LANDING POINT LOCATION:
 NAD83
 LATITUDE:40.359935° N
 LONGITUDE:105.032991° W

BOTTOM HOLE LOCATION:
 NAD83
 LATITUDE:40.359950° N
 LONGITUDE:105.047530° W

LEGEND

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

NOTES:

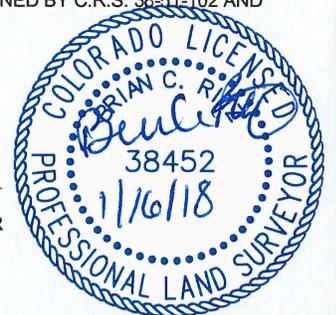
1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. BEARINGS ARE BASED ON THE ASSUMPTION THAT THE WEST LINE OF THE SOUTHWEST QUARTER OF SECTION 32, BEARS N00°35'50"E BETWEEN THE MONUMENTS SHOWN HEREON.
3. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE GROUND VALUES 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 40.392540°N, A CENTRAL MERIDIAN LONGITUDE OF 105.002429°W, AND A SCALE FACTOR ON THE CENTRAL MERIDIAN OF 1.000236 (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 BUNKER 3A-1H TO BE
LOCATED 2151' FNL & 1652' FWL**

I, BRIAN C. RITZ, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO **MAGPIE OPERATING, INC.** 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.

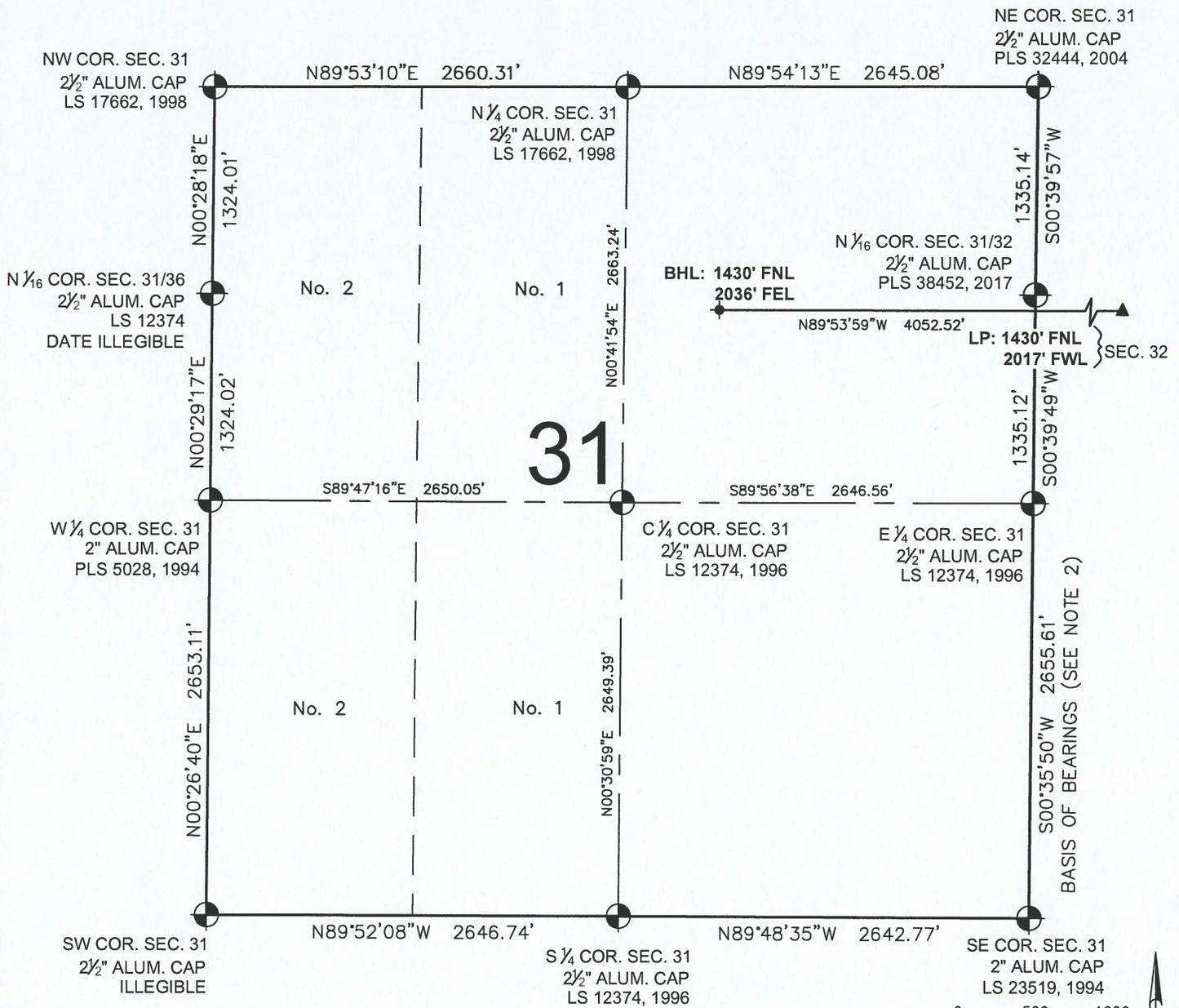
BRIAN C. RITZ, PLS 38452
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
 FOR AND ON BEHALF OF P.F.S., LLC
 d.b.a. ASCENT GEOMATICS SOLUTIONS



SHEET 1 OF 2

<p style="font-size: 8px;">7535 Hilltop Circle Denver, CO 80221 (303) 928-7128 www.ascentgeomatics.com</p>	FIELD DATE: 09-14-17	WELL NAME: BUNKER 3A-1H	PREPARED FOR: MAGPIE OPERATING, INC.
	DRAWING DATE: 01-11-18	SURFACE LOCATION: SE 1/4 NW 1/4 SEC. 32 T5N, R68W, 6TH P.M. LARIMER COUNTY, COLORADO	
BY: JAG	CHECKED: IJM		

BUNKER 3A-1H WELL LOCATION CERTIFICATE



NE COR. SEC. 31
2 1/2" ALUM. CAP
PLS 32444, 2004

NW COR. SEC. 31
2 1/2" ALUM. CAP
LS 17662, 1998

N 1/6 COR. SEC. 31/36
2 1/2" ALUM. CAP
LS 12374
DATE ILLEGIBLE

N 1/4 COR. SEC. 31
2 1/2" ALUM. CAP
LS 17662, 1998

No. 2

No. 1

BHL: 1430' FNL
2036' FEL

N 1/6 COR. SEC. 31/32
2 1/2" ALUM. CAP
PLS 38452, 2017

LP: 1430' FNL
2017' FWL } SEC. 32

W 1/4 COR. SEC. 31
2" ALUM. CAP
PLS 5028, 1994

No. 2

No. 1

C 1/4 COR. SEC. 31
2 1/2" ALUM. CAP
LS 12374, 1996

E 1/4 COR. SEC. 31
2 1/2" ALUM. CAP
LS 12374, 1996

BASIS OF BEARINGS (SEE NOTE 2)

SW COR. SEC. 31
2 1/2" ALUM. CAP
ILLEGIBLE

S 1/4 COR. SEC. 31
2 1/2" ALUM. CAP
LS 12374, 1996

SE COR. SEC. 31
2" ALUM. CAP
LS 23519, 1994



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- BHL = BOTTOM HOLE LOCATION

BRIAN C. RITZ, PLS 38452
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC



SHEET 2 OF 2



FIELD DATE:
09-14-17

DRAWING DATE:
01-11-18

BY:
JAG

CHECKED:
IJM

WELL NAME:
BUNKER 3A-1H

SURFACE LOCATION:
SE 1/4 NW 1/4 SEC. 32 T5N, R68W, 6TH P.M.
LARIMER COUNTY, COLORADO

PREPARED FOR:
**MAGPIE
OPERATING, INC.**