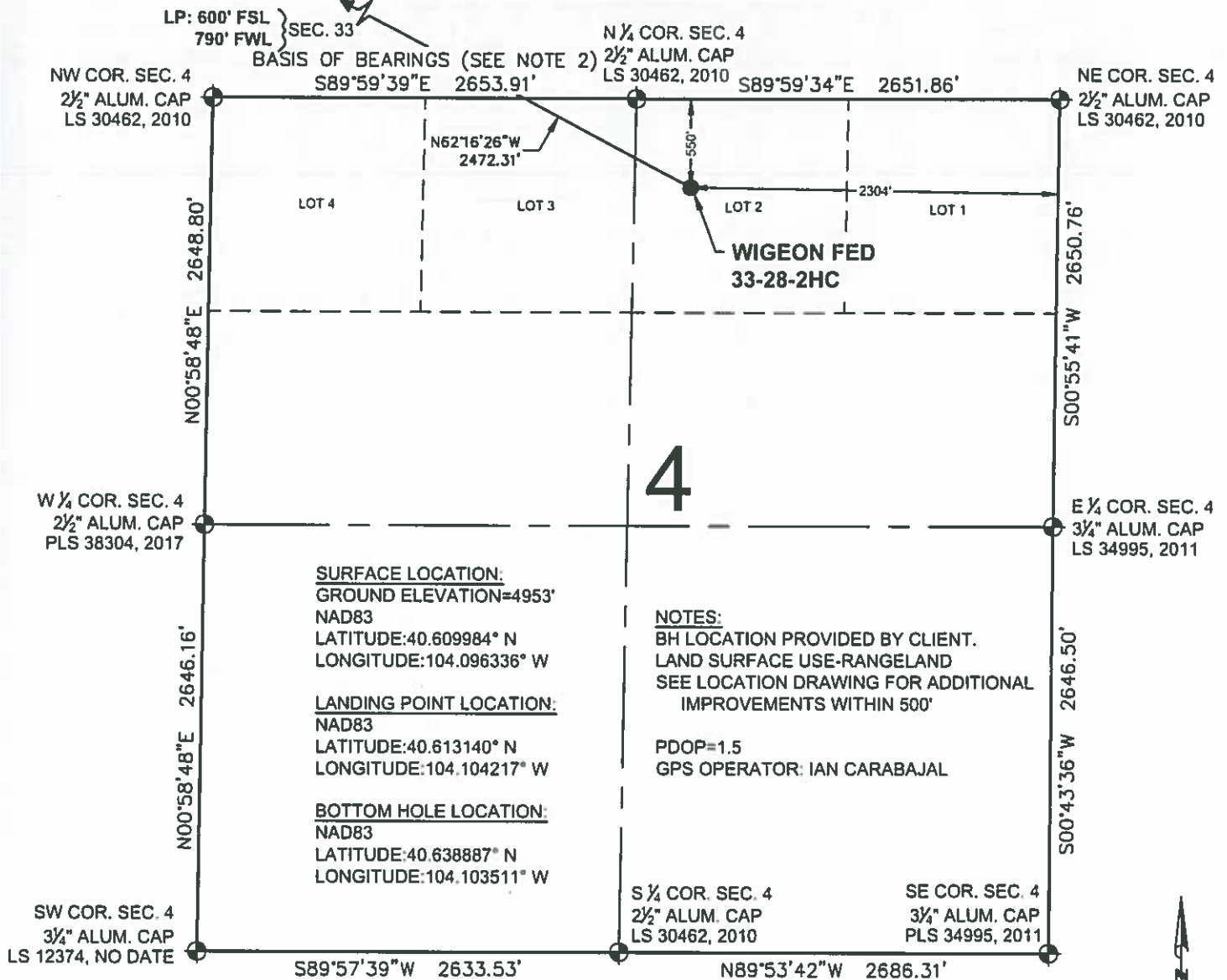


# WIGEON FED 33-28-2HC WELL LOCATION CERTIFICATE



**SURFACE LOCATION:**  
GROUND ELEVATION=4953'  
NAD83  
LATITUDE:40.609984° N  
LONGITUDE:104.096336° W

**LANDING POINT LOCATION:**  
NAD83  
LATITUDE:40.613140° N  
LONGITUDE:104.104217° W

**BOTTOM HOLE LOCATION:**  
NAD83  
LATITUDE:40.638887° N  
LONGITUDE:104.103511° W

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

PDOP=1.5  
GPS OPERATOR: IAN CARABAJAL

## 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 NORTHWEST QUARTER OF SECTION 4, BEARS S89°59'39"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 088861"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 WIGEON FED 33-28-2HC TO BE LOCATED 550' FNL & 2304' FEL

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 3



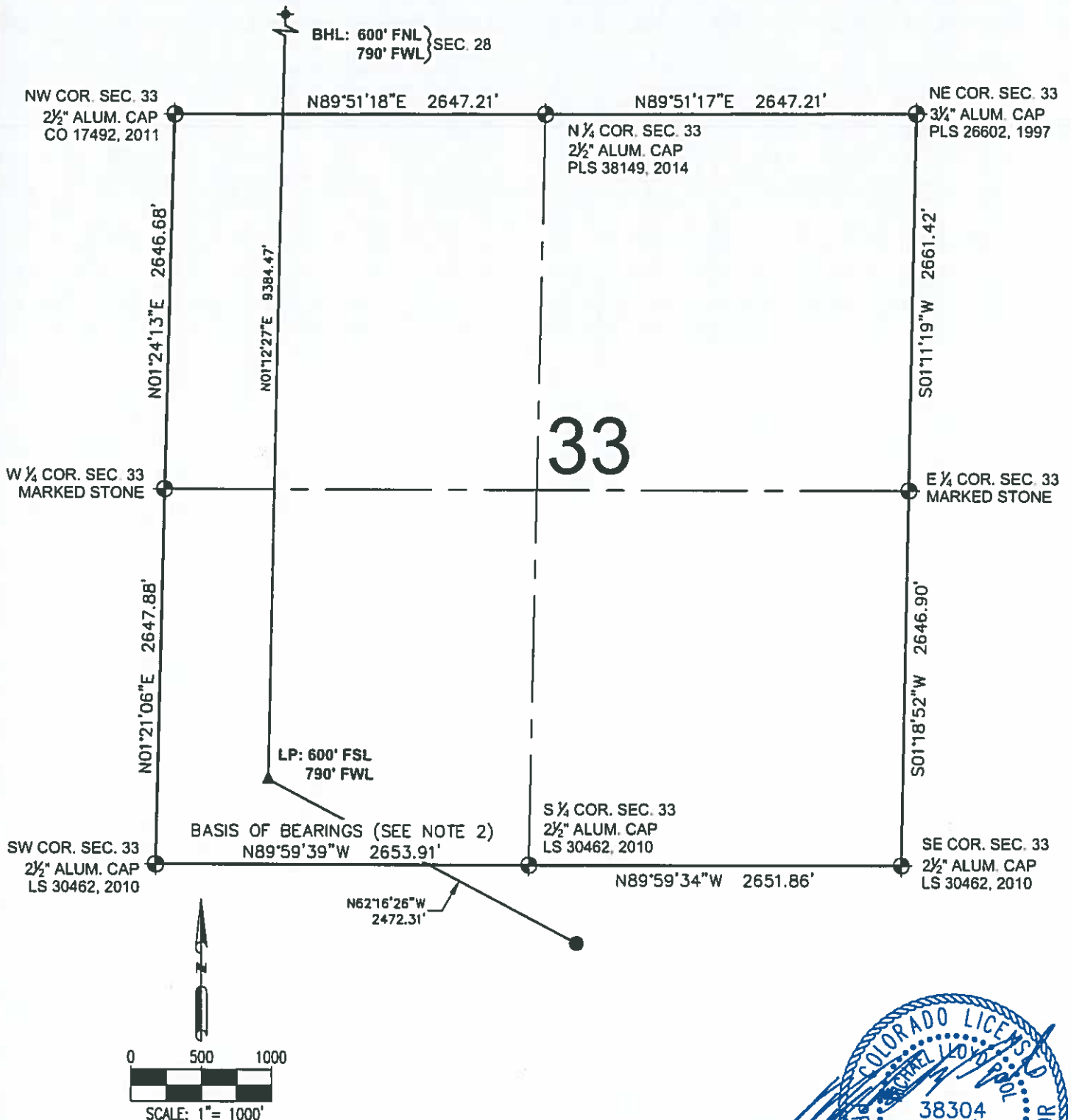
FIELD DATE  
09-06-17  
DRAWING DATE  
09-09-17  
BY  
SMF  
CHECKED  
RMC

WELL NAME  
WIGEON FED 33-28-2HC  
SURFACE LOCATION  
LOT 2 SEC. 4 T7N, R60W, 6TH P.M.  
WELD COUNTY, COLORADO

PREPARED FOR



# WIGEON FED 33-28-2HC WELL LOCATION CERTIFICATE



## LEGEND

- ⊕ = EXISTING MONUMENT
- = CALCULATED POSITION
- = PROPOSED WELL
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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 3



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

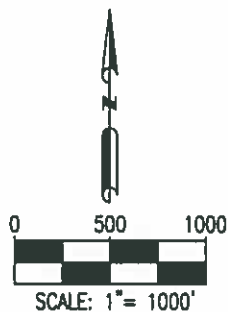
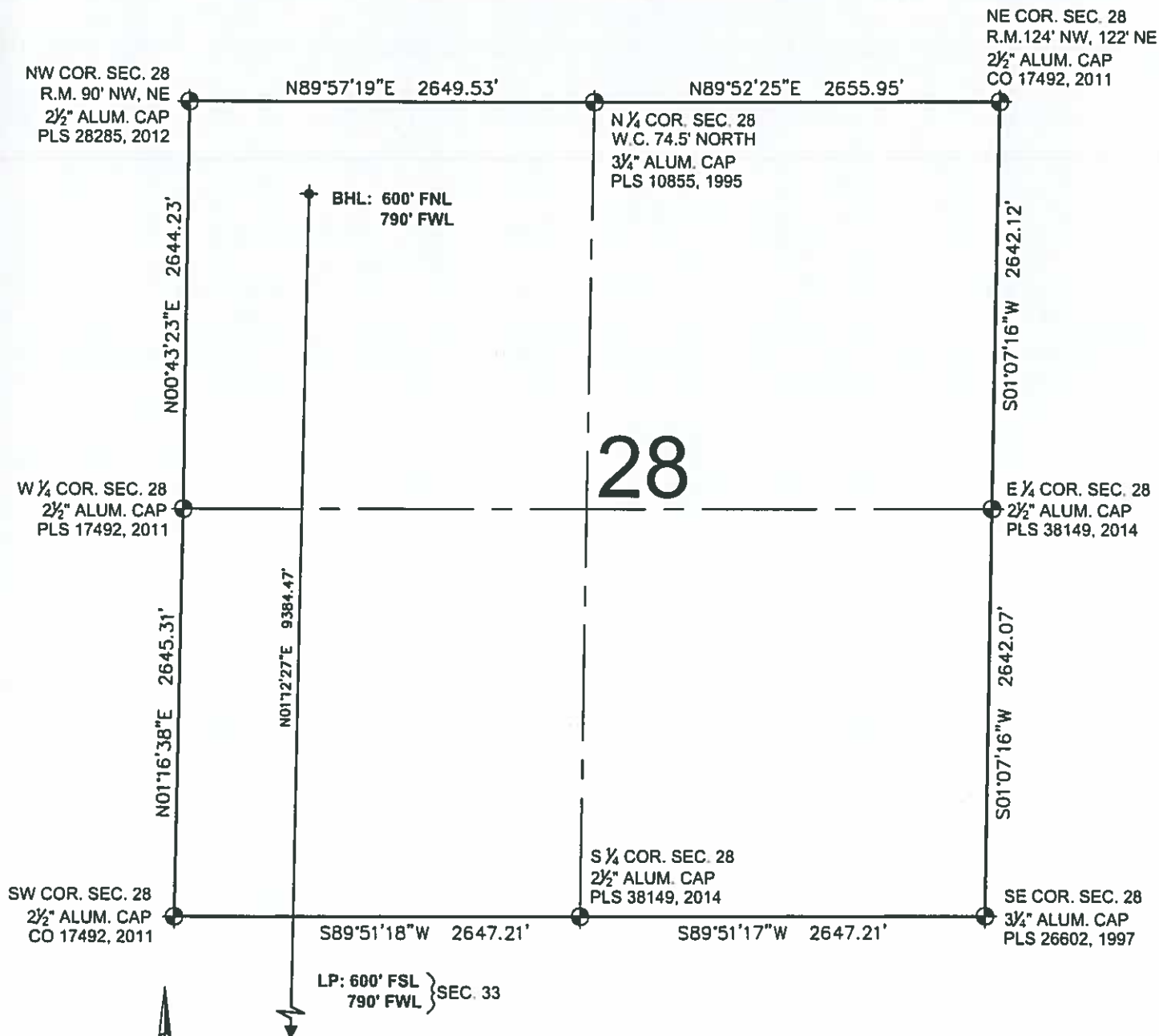
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LOT 2 SEC. 4 T7N, R60W, 6TH P.M.  
WELD COUNTY, COLORADO

PREPARED FOR



# WIGEON FED 33-28-2HC WELL LOCATION CERTIFICATE



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- = CALCULATED POSITION    ▲ = LANDING POINT
- = PROPOSED WELL        LP = LANDING POINT
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MICHAEL L. POOL, PLS 38304  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC



SHEET 3 OF 3



|                          |                |
|--------------------------|----------------|
| FIELD DATE<br>09-06-17   |                |
| DRAWING DATE<br>09-09-17 |                |
| BY<br>SMF                | CHECKED<br>RMC |

|   |
|---|
| WELL NAME<br>WIGEON FED 33-28-2HC   |
| SURFACE LOCATION<br>LOT 2 SEC. 4 T7N, R60W, 6TH P.M.<br>WELD COUNTY, COLORADO |

