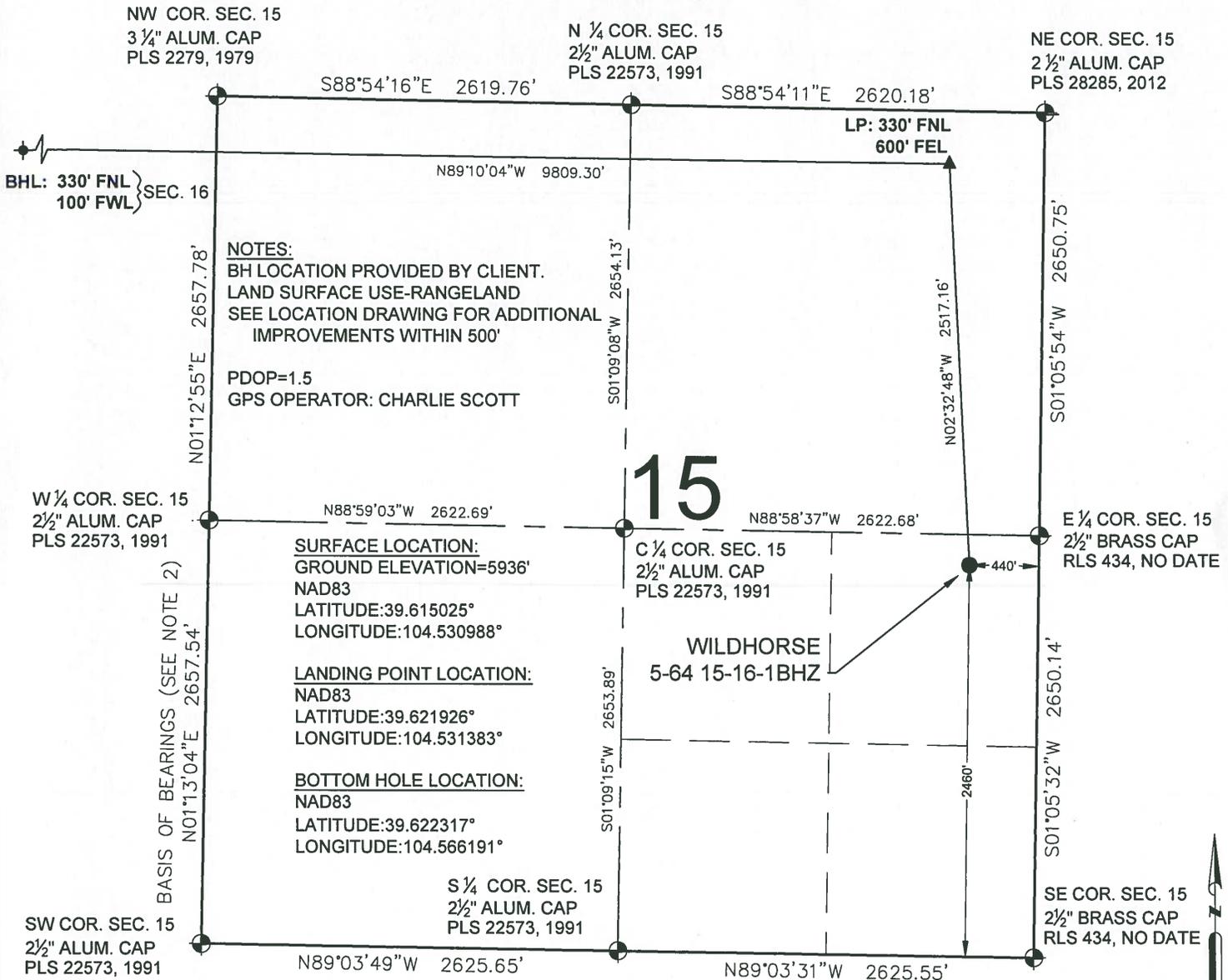


WILDHORSE 5-64 15-16-1BHZ WELL LOCATION CERTIFICATE



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

PDOP=1.5
 GPS OPERATOR: CHARLIE SCOTT

SURFACE LOCATION:
 GROUND ELEVATION=5936'
 NAD83
 LATITUDE:39.615025°
 LONGITUDE:104.530988°

LANDING POINT LOCATION:
 NAD83
 LATITUDE:39.621926°
 LONGITUDE:104.531383°

BOTTOM HOLE LOCATION:
 NAD83
 LATITUDE:39.622317°
 LONGITUDE:104.566191°

S ¼ COR. SEC. 15
 2½" ALUM. CAP
 PLS 22573, 1991

15

**WILDHORSE
5-64 15-16-1BHZ**

C ¼ COR. SEC. 15
 2½" ALUM. CAP
 PLS 22573, 1991

S01°09'08"W 2654.13'

S01°09'15"W 2653.89'

S01°05'32"W 2650.14'

S01°05'54"W 2650.75'

S01°05'54"W 2650.75'

S01°05'54"W 2650.75'

S01°05'54"W 2650.75'

S01°05'54"W 2650.75'

S01°05'54"W 2650.75'

LEGEND

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

**WELL WILDHORSE 5-64 15-16-1BHZ TO
BE LOCATED 2460' FSL & 440' 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 WEST LINE OF THE SOUTHWEST QUARTER OF SECTION 15, BEARS N01°13'04"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 39.608492°, A CENTRAL MERIDIAN LONGITUDE OF -104.548224° AND A SCALE FACTOR ON THE CENTRAL MERIDIAN OF 1.000281 (EXACT). THE LDP BASIS OF BEARINGS IS GEODETIC NORTH.
 4. FIELD VERIFICATION OF MONUMENTS COMPLETED WITHIN 1 YEAR OF SIGNATURE DATE.

I, BRIAN C. RITZ, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO **HIGHLANDS NATURAL RESOURCES, CORPORATION**, 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.

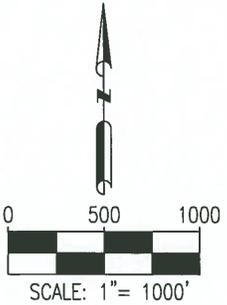
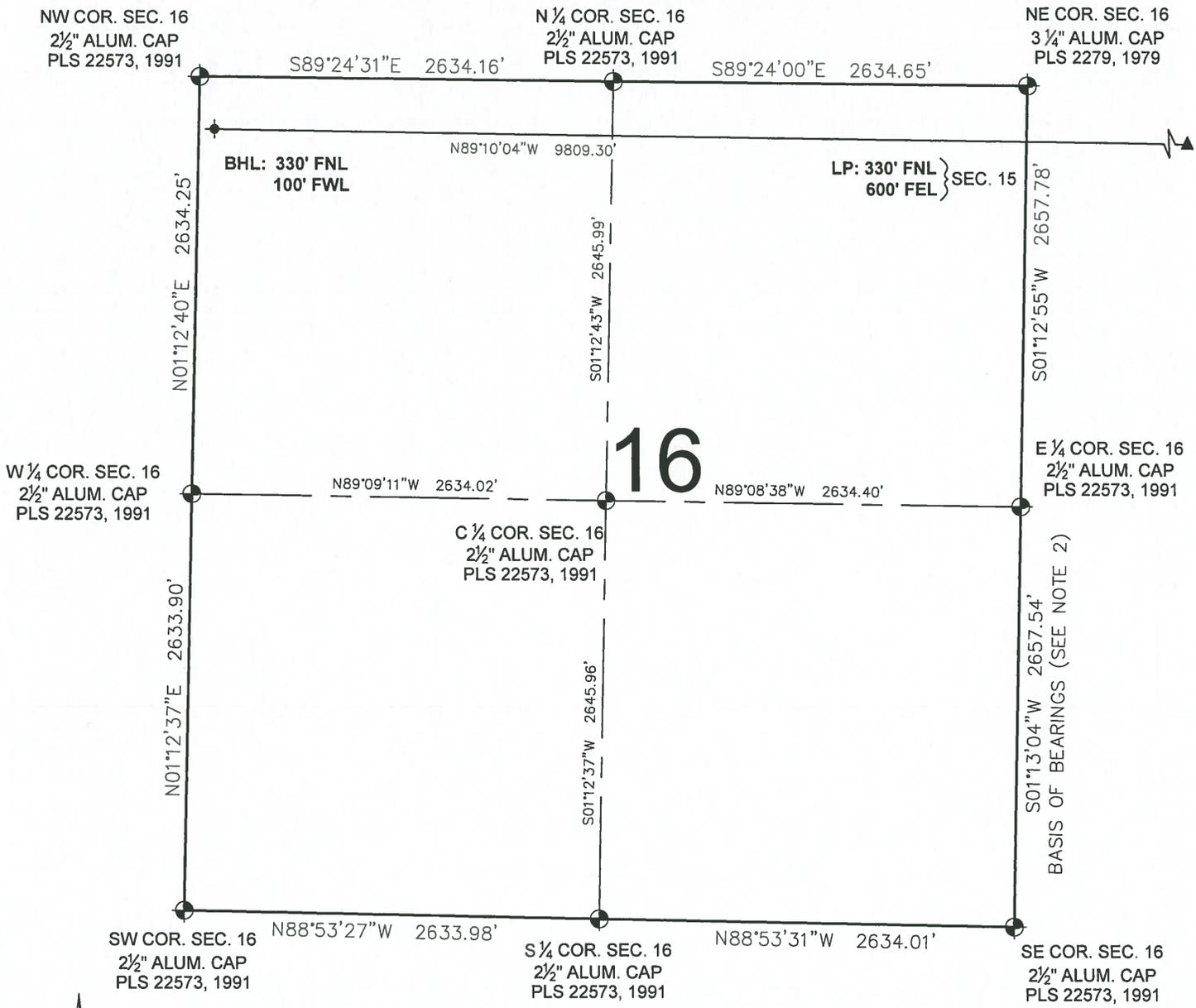
BRIAN C. RITZ, PLS 38452
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
 FOR AND ON BEHALF OF P.F.S., LLC



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.

| | | | | |
|--|----------------------------------|--|---------------|--|
| <p style="font-size: 8px;">7535 Hilltop Circle Denver, CO 80221 (303) 928-7128 www.ascentgeomatics.com</p> | FIELD DATE: 11-17-16 | WELL NAME: WILDHORSE 5-64 15-16-1BHZ | PREPARED FOR: | |
| | DRAWING DATE: 02-20-17 | SURFACE LOCATION: NE 1/4 SE 1/4 SEC. 15, T5S, R64W, 6TH P.M. ARAPAHOE COUNTY, COLORADO | | |
| BY: IJM | CHECKED BY: KAD | | | |

WILDHORSE 5-64 15-16-1BHZ WELL LOCATION CERTIFICATE



- LEGEND**
- ⊕ = EXISTING MONUMENT
 - = CALCULATED POSITION
 - = PROPOSED WELL
 - ◆ = EXISTING WELL
 - ⬥ = BOTTOM HOLE
 - ▲ = LANDING POINT
 - LP = LANDING POINT
 - 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

| | | | |
|--|----------------------------------|--|-------------------|
| <p style="font-size: 8px;">7535 Hilltop Circle Denver, CO 80221 (303) 928-7128 www.ascentgeomatics.com</p> | FIELD DATE: 11-17-16 | WELL NAME: WILDHORSE 5-64 15-16-1BHZ | PREPARED FOR: |
| | DRAWING DATE: 02-20-17 | SURFACE LOCATION: NE 1/4 SE 1/4 SEC. 15, T5S, R64W, 6TH P.M. ARAPAHOE COUNTY, COLORADO | |
| BY: IJM | CHECKED BY: KAD | | |