

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

NW COR. SEC. 15
3 1/4" ALUM. CAP
PLS 2279, 1979

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

PDOP=1.2
GPS OPERATOR: CHRIS GUFFEY

N 1/4 COR. SEC. 15
2 1/2" ALUM. CAP
PLS 22573, 1991

NE COR. SEC. 15
2 1/2" ALUM. CAP
PLS 28285, 2012

BHL: 1650' FNL
100' FWL } SEC. 16

LP: 1650' FNL
600' FEL

W 1/4 COR. SEC. 15
2 1/2" ALUM. CAP
PLS 22573, 1991

N88°59'03"W 2622.69'

C 1/4 COR. SEC. 15
2 1/2" ALUM. CAP
PLS 22573, 1991

N88°58'37"W 2622.68'

E 1/4 COR. SEC. 15
2 1/2" BRASS CAP
RLS 434, NO DATE

SURFACE LOCATION:
GROUND ELEVATION=5938'
NAD83
LATITUDE:39.614805°
LONGITUDE:104.530993°

LANDING POINT LOCATION:
NAD83
LATITUDE:39.618304°
LONGITUDE:104.531474°

BOTTOM HOLE LOCATION:
NAD83
LATITUDE:39.618695°
LONGITUDE:104.566289°

15

BUCKSKIN 5-64 15-16-1BHZ

SW COR. SEC. 15
2 1/2" ALUM. CAP
PLS 22573, 1991

N89°03'49"W 2625.65'

S 1/4 COR. SEC. 15
2 1/2" ALUM. CAP
PLS 22573, 1991

N89°03'31"W 2625.55'

SE COR. SEC. 15
2 1/2" BRASS CAP
RLS 434, NO DATE

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 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.

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 BUCKSKIN 5-64 15-16-1BHZ TO BE LOCATED 2380' FSL & 440' FEL

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



SHEET 1 OF 2



FIELD DATE:

01-09-17

DRAWING DATE:

09-21-17

BY:

DP

CHECKED BY:

MMP

WELL NAME:

BUCKSKIN 5-64 15-16-1BHZ

SURFACE LOCATION:

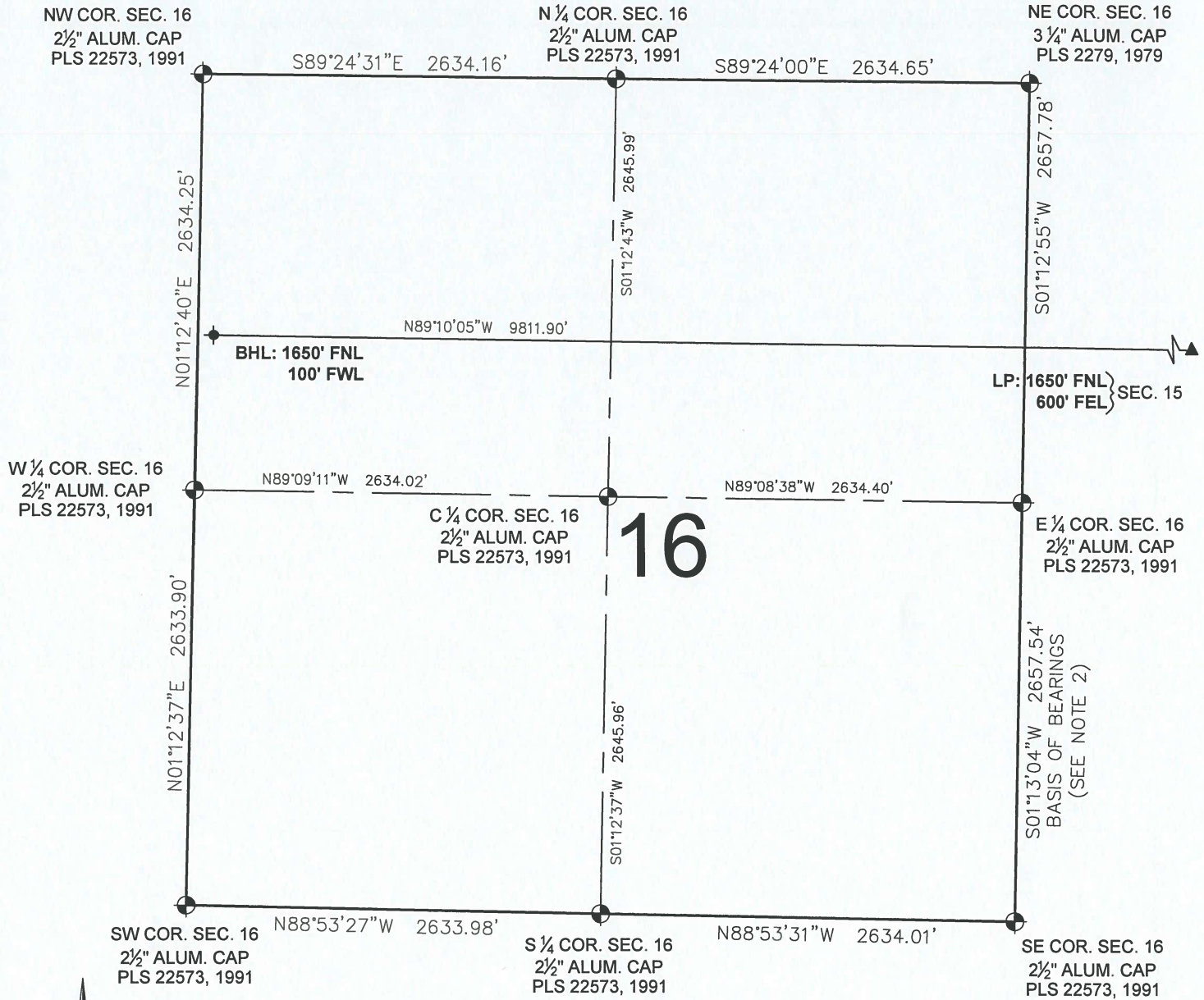
NE 1/4 SE 1/4 SEC. 15, T5S, R64W, 6TH P.M.

ARAPAHOE COUNTY, COLORADO

PREPARED FOR:



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



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COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
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SHEET 2 OF 2

FIELD DATE:
01-09-17

DRAWING DATE:
09-21-17

BY:
DP

CHECKED BY:
MMP

WELL NAME:
BUCKSKIN 5-64 15-16-1BHZ

SURFACE LOCATION:

NE 1/4 SE 1/4 SEC. 15, T5S, R64W, 6TH P.M.
ARAPAHOE COUNTY, COLORADO

PREPARED FOR:

