

# POLARIS 8-66-34-33C WELL LOCATION CERTIFICATE

N 1/4 COR. SEC. 34  
3 3/4" ALUM. CAP  
LS 20685, 1996

NW COR. SEC. 34  
3 3/4" ALUM. CAP  
P.L.S. 10855, 1996  
(FIELD DATE: 04-10-17)

N89°46'30"E 2672.12' (FIELD DATE: 04-10-17) N89°46'19"E N89°46'23"E

NE COR. SEC. 34  
2 1/2" ALUM. CAP  
9644, 1994  
(FIELD DATE: 04-10-17)

**SURFACE LOCATION:**  
GROUND ELEVATION=4996'  
NAD83  
LATITUDE:40.612663° N  
LONGITUDE:104.758366° W

**LANDING POINT LOCATION:**  
NAD83  
LATITUDE:40.616925° N  
LONGITUDE:104.756168° W

**BOTTOM HOLE LOCATION:**  
NAD83  
LATITUDE:40.616625° N  
LONGITUDE:104.789673° W

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

PDOP=2.2  
GPS OPERATOR: MICHAEL HERNANDEZ

# 34

W 1/4 COR. SEC. 34  
2 1/2" ALUM. CAP  
LS 12374, 1996  
(FIELD DATE: 04-10-17)

N89°28'30"E 2661.41'

N89°28'33"E 2639.88'

E 1/4 COR. SEC. 34  
2 1/2" ALUM. CAP  
LS 12374, 1996  
(FIELD DATE: 04-10-17)

C 1/4 COR. SEC. 10  
3 3/4" ALUM. CAP  
PLS 38252, 2016  
(FIELD DATE: 04-10-17)  
S89°19'35"W 9304.77'

LP: 2012' FSL  
623' FEL

**BHL:**  
2012' FSL } SEC. 33  
640' FWL }

N21°26'37"E  
1668.99'

**POLARIS  
8-66-34-33C**

W 1/4 COR. SEC. 34/3  
2 1/2" ALUM. CAP  
LS 12374, 199X  
(FIELD DATE: 09-23-16)

S 1/4 COR. SEC. 34  
3 3/4" ALUM. CAP  
LS 7242, 1994  
(FIELD DATE: 09-22-16)

SW COR. SEC. 34  
2 1/2" ALUM. CAP  
LS 12374, 1996  
(FIELD DATE: 05-29-14)

S89°27'44"W 1330.00'

S89°27'35"W 1329.88'

S88°50'51"W 2616.36'  
(BASIS OF BEARINGS)

SE COR. SEC. 34  
3 3/4" ALUM. CAP  
LS 7242, 1994  
(FIELD DATE: 09-22-16)

## LEGEND

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

## NOTES:

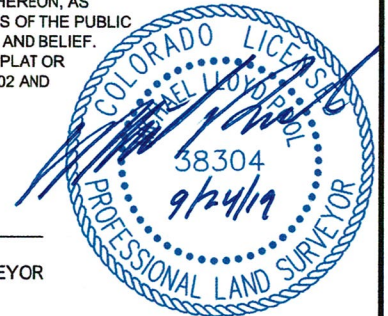
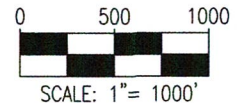
- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
- BEARINGS ARE BASED ON THE ASSUMPTION THAT THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SECTION 34, BEARS S88°50'51"W BETWEEN THE MONUMENTS SHOWN HEREON.
- ALL DISTANCES AND BEARINGS SHOWN HEREON ARE GROUND VALUES 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 40.654718°N, A CENTRAL MERIDIAN LONGITUDE OF 104.772763°W, AND A SCALE FACTOR ON THE CENTRAL MERIDIAN OF 1.000241 (EXACT). THE LDP BASIS OF BEARINGS IS GEODETIC NORTH.
- FIELD VERIFICATION OF MONUMENTS COMPLETED WITHIN 1 YEAR OF SIGNATURE DATE, UNLESS NOTED.

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 POLARIS 8-66-34-33C TO BE LOCATED 471' FSL & 1237' FEL

I, MICHAEL L. POOL, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY STATE THAT THIS WELL LOCATION CERTIFICATE WAS MADE FROM AN ACTUAL FIELD SURVEY PERFORMED UNDER MY RESPONSIBLE CHARGE ON THE DATE SHOWN HEREON AND CORRECTLY SHOWS THE LOCATION OF THE WELL SHOWN HEREON, AS STAKED ON THE GROUND, AND THE LOCATION OF THE LINES OF THE PUBLIC LAND SURVEY SYSTEM TO MY KNOWLEDGE, INFORMATION, AND BELIEF. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.R.S. 38-51-102 AND IS IN ACCORDANCE WITH THE APPLICABLE STANDARDS OF PRACTICE FOR PROFESSIONAL LAND SURVEYING. THIS CERTIFICATE IS NOT A GUARANTY OR WARRANTY, EITHER EXPRESSED OR IMPLIED.

MICHAEL L. POOL, PLS 38304  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC  
d.b.a. ASCENT GEOMATICS SOLUTIONS



SHEET 1 OF 2



FIELD DATE:

04-28-17

WELL NAME:

POLARIS 8-66-34-33C

DRAWING DATE:

09-20-19

SURFACE LOCATION:

SE 1/4 SE 1/4 SEC. 34, T8N, R66W, 6TH P.M.

BY:

IJM

CHECKED:

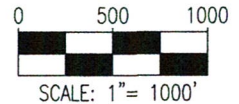
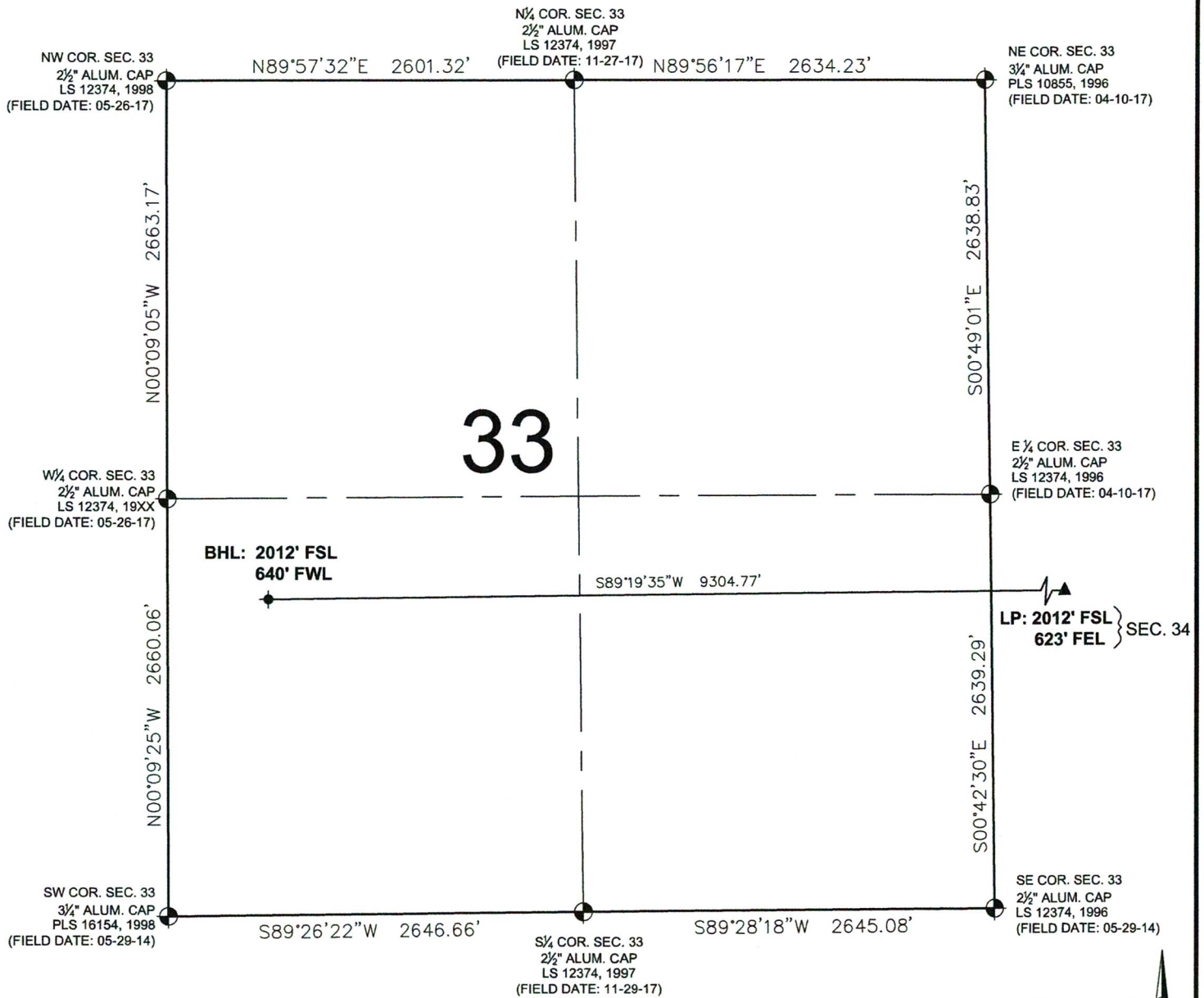
SJH

WELD COUNTY, COLORADO

PREPARED FOR:

enerPLUS

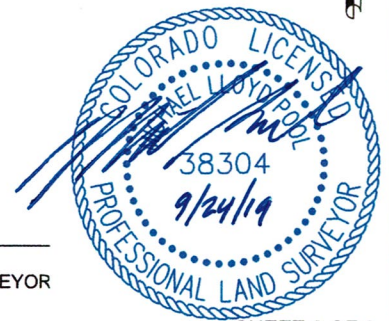
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SHEET 2 OF 2