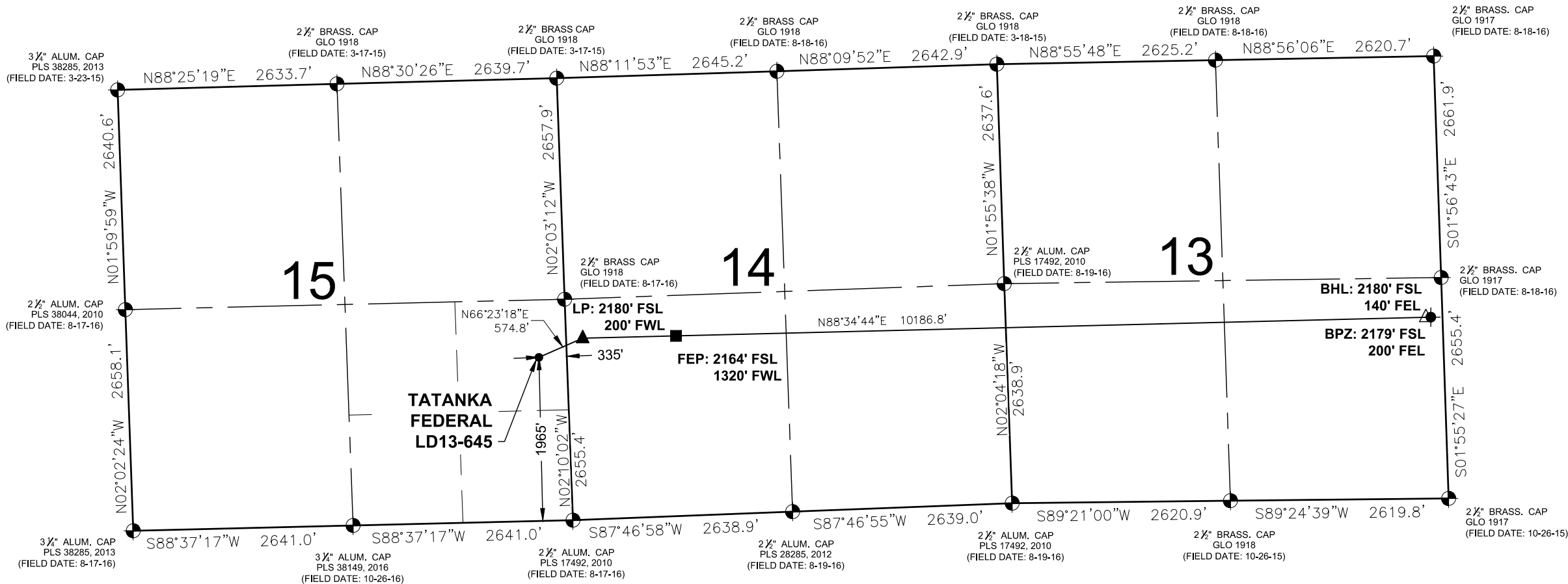


TATANKA FEDERAL LD13-645
WELL LOCATION CERTIFICATE

- NOTES:
- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE COGCC, RULE NO. 215
 - ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NORTH AMERICAN DATUM 1983/2011. THE LINEAL DIMENSIONS AS SHOWN HEREIN ARE GRID DISTANCES BASED UPON THE "U.S. SURVEY FOOT." TO GET GROUND DISTANCES MULTIPLY SHOWN DISTANCE BY 1.0002676.
 - FIELD VERIFICATION OF MONUMENTS COMPLETED WITHIN 1 YEAR OF SIGNATURE DATE, UNLESS OTHERWISE NOTED.



- LEGEND**
- EXISTING MONUMENT
 - CALCULATED POSITION
 - PROPOSED WELL
 - BOTTOM HOLE
 - LANDING POINT
 - EXISTING WELL
 - FEDERAL ENTRY/EXIT POINT
 - BOTTOM OF PRODUCTION ZONE
 - LP = LANDING POINT
 - BHL = BOTTOM HOLE
 - FEP = FEDERAL ENTRY/EXIT POINT
 - BPZ = BOTTOM OF PRODUCTION ZONE

I, ANTHONY L. KNieVEL, 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.



ANTHONY L. KNIEVEL, PLS 38157
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC
d.b.a. ASCENT GEOMATICS SOLUTIONS

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 TATANKA FEDERAL LD13-645 TO BE
LOCATED 1965' FSL & 335' FEL

WELL BORE COORDINATES
(NAD83)

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

PDOP=1.5
GPS OPERATOR: AARON RIVERA

SURFACE LOCATION:
GROUND ELEVATION=4662'
LATITUDE:40.749507°N
LONGITUDE:103.841819°W

LANDING POINT:
LATITUDE:40.750112°N
LONGITUDE:103.839903°W

FEDERAL EXIT POINT:
LATITUDE:40.750131°N
LONGITUDE:103.835859°W

BOTTOM OF PRODUCTION ZONE:
LATITUDE:40.750276°N
LONGITUDE:103.803354°W

BOTTOM HOLE:
LATITUDE:40.750277°N
LONGITUDE:103.803138°W



FIELD DATE: 10-20-16	
DRAWING DATE: 01-12-22	
BY: CSG	CHECKED: IJM

WELL NAME:
TATANKA FEDERAL LD13-645

SURFACE LOCATION:
NE 1/4 SE 1/4 SEC. 15, T9N, R58W, 6TH P.M.
WELD COUNTY, COLORADO

