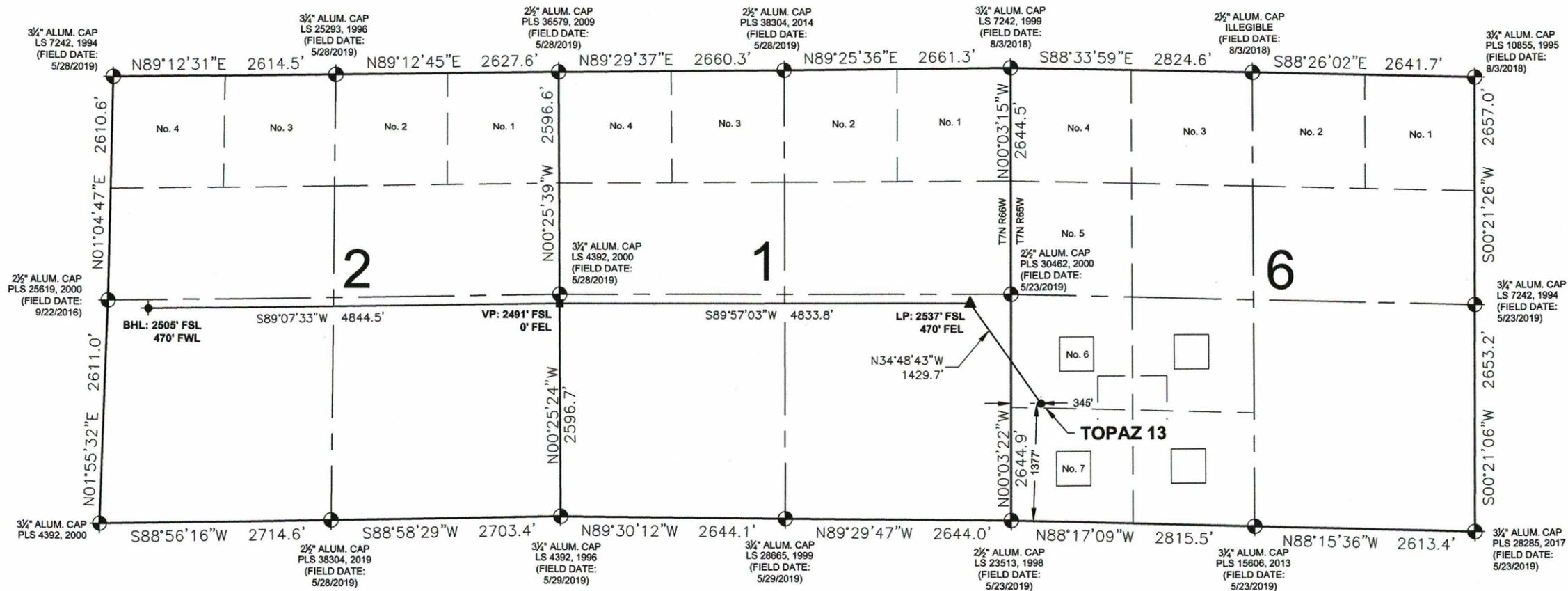


# TOPAZ 13 WELL LOCATION CERTIFICATE

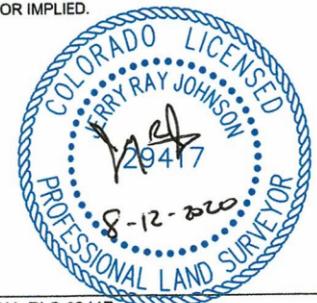


- NOTES:**
1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE COGCC, RULE NO. 215
  2. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE GROUND VALUES AS GPS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO LINES SHOWN HEREON. THIS LOW DISTORTION PROJECTION (LDP) IS BASED ON THE NORTH AMERICAN DATUM OF 1983, U.S. SURVEY FOOT WITH A LATITUDE ORIGIN OF 40.568059°N, A CENTRAL MERIDIAN LONGITUDE OF 104.658844°W, AND A SCALE FACTOR ON THE CENTRAL MERIDIAN OF 1.000230 (EXACT). THE LDP BASIS OF BEARINGS IS GEODETIC NORTH.
  3. FIELD VERIFICATION OF MONUMENTS COMPLETED WITHIN 1 YEAR OF SIGNATURE DATE, UNLESS OTHERWISE NOTED.

**LEGEND**

- ⊕ = EXISTING MONUMENT
- = CALCULATED POSITION
- = PROPOSED WELL
- ⬢ = BOTTOM HOLE
- = VERTEX POINT
- ▲ = LANDING POINT
- ◆ = EXISTING WELL
- LP = LANDING POINT
- BHL = BOTTOM HOLE
- VP = VERTEX POINT

I, JERRY R. JOHNSON, 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. 38-51-109.3 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.



JERRY R. JOHNSON, PLS 29417  
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
 FOR AND ON BEHALF OF P.F.S., LLC  
 d.b.a. ASCENT GEOMATICS SOLUTIONS

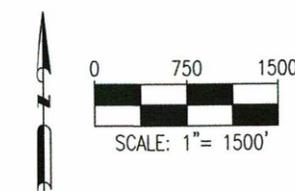
NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THIS SAID DATE OF THIS CERTIFICATION SHOWN HEREON.

**WELL TOPAZ 13 TO BE  
 LOCATED 1377' FSL & 345' FWL**

**WELL BORE COORDINATES  
 (NAD83)**

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

PDOP=1.6  
 GPS OPERATOR: ALAN HNIZDO



**SURFACE LOCATION:**  
 GROUND ELEVATION=4946'  
 LATITUDE:40.601036°  
 LONGITUDE:104.714606°

**LANDING POINT:**  
 LATITUDE:40.604256°  
 LONGITUDE:104.717547°

**VERTEX POINT:**  
 LATITUDE:40.604234°  
 LONGITUDE:104.734951°

**BOTTOM HOLE:**  
 LATITUDE:40.604019°  
 LONGITUDE:104.752391°



8620 Wolff Court  
 Westminster, CO 80031  
 (303) 928-7128  
 www.ascentgeomatics.com

FIELD DATE: 08-29-19	
DRAWING DATE: 07-20-20	
BY: CSG	CHECKED: IJM

WELL NAME: TOPAZ 13
SURFACE LOCATION: LOT 6 SEC. 6, T7N, R65W, 6TH P.M. WELD COUNTY, COLORADO

PREPARED FOR: BAYSWATER EXPLORATION AND PRODUCTION, LLC
---