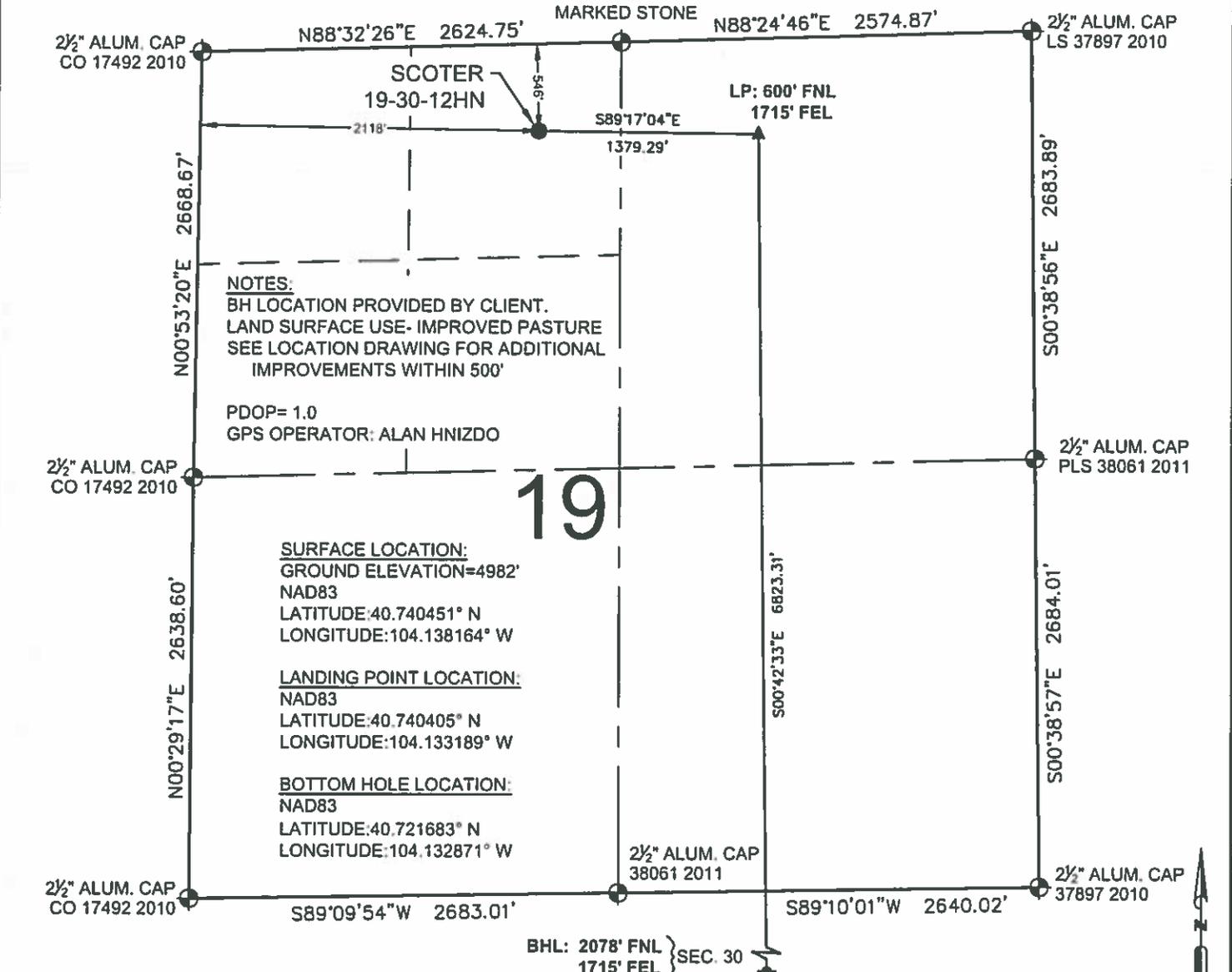


# SCOTER 19-30-12HN WELL LOCATION EXHIBIT



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

PDOP= 1.0  
 GPS OPERATOR: ALAN HNIZDO

SURFACE LOCATION:  
 GROUND ELEVATION=4982'  
 NAD83  
 LATITUDE:40.740451° N  
 LONGITUDE:104.138164° W

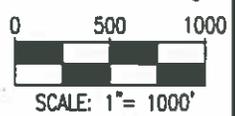
LANDING POINT LOCATION:  
 NAD83  
 LATITUDE:40.740405° N  
 LONGITUDE:104.133189° W

BOTTOM HOLE LOCATION:  
 NAD83  
 LATITUDE:40.721683° N  
 LONGITUDE:104.132871° W

# 19

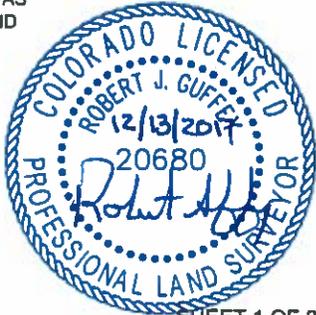
- LEGEND**
- ⊙ = EXISTING MONUMENT      ◆ = BOTTOM HOLE
  - = CALCULATED POSITION    ▲ = LANDING POINT
  - = PROPOSED WELL        LP = LANDING POINT
  - ◆ = EXISTING WELL        BHL = BOTTOM HOLE LOCATION

**WELL SCOTER 19-30-12HN TO BE  
 LOCATED 546' FNL & 2118' FWL**



- NOTES:**
1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C. 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 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 40.655085°N, A CENTRAL MERIDIAN LONGITUDE OF 104.086861°W, AND A SCALE FACTOR ON THE CENTRAL MERIDIAN OF 1.000232 (EXACT). THE LDP BASIS OF BEARINGS IS GEODETIC NORTH.
  3. FIELD VERIFICATION OF MONUMENTS COMPLETED WITHIN 1 YEAR OF SIGNATURE DATE, UNLESS OTHERWISE NOTED.

I, ROBERT J. GUFFEY, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY STATE TO **MALLARD EXPLORATION** THAT THE SURVEY AND WELL LOCATION EXHIBIT SHOWN HEREON WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED LOCATION OF THE WELL. THIS EXHIBIT MEETS THE REQUIREMENTS OF A GIS LAND POSITION AS DEFINED BY SECTION 38-51-102 (7.5) C.R.S. AND AS SUCH PER SECTION 38-51-109.3 C.R.S. CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

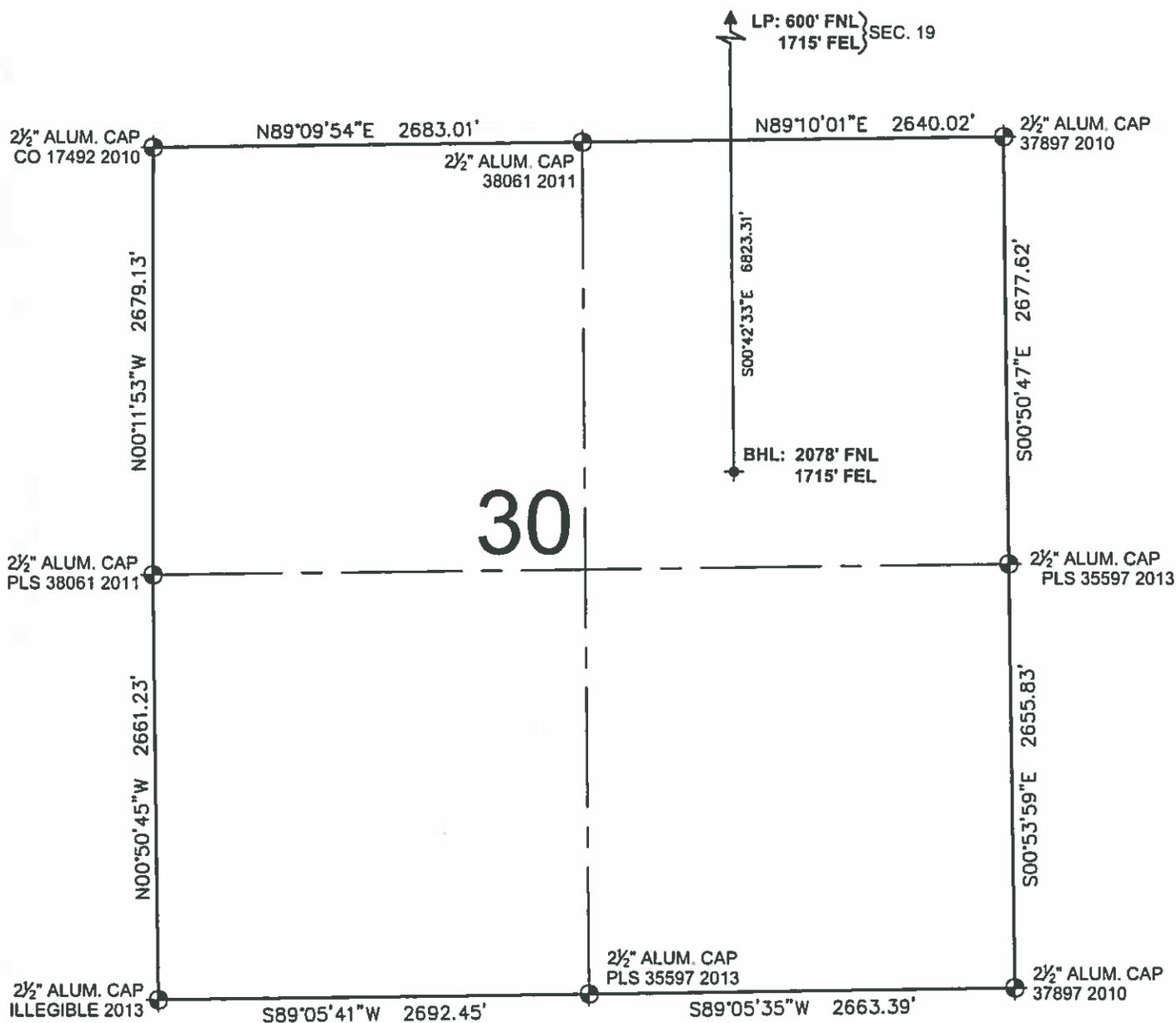


NOTICE ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THIS SAID DATE OF THIS CERTIFICATION SHOWN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

ROBERT J. GUFFEY, PLS 20680  
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
 FOR AND ON BEHALF OF P.F.S., LLC

<p style="font-size: 8pt; margin-top: 5px;">7535 Hilltop Circle              Denver, CO 80221              (303) 928-7128  <a href="http://www.ascntgeomatics.com">www.ascntgeomatics.com</a></p>	FIELD DATE 12-11-17	WELL NAME SCOTER 19-30-12HN	PREPARED FOR:
	DRAWING DATE 12-12-17	SURFACE LOCATION NE 1/4 NW 1/4 SEC. 19, T9N, R60W, 6TH P.M. WELD COUNTY, COLORADO	
BY SMF	CHECKED IJM		

# SCOTER 19-30-12HN WELL LOCATION EXHIBIT



LP: 600' FNL  
1715' FEL } SEC. 19

S00°42'33\"/>

BHL: 2078' FNL  
1715' FEL

# 30



**LEGEND**

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

ROBERT J. GUFFEY, PLS 20680  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC



SHEET 2 OF 2

FIELD DATE: 12-11-17	WELL NAME: SCOTER 19-30-12HN
DRAWING DATE: 12-12-17	SURFACE LOCATION: NE 1/4 NW 1/4 SEC. 19, T9N, R60W, 6TH P.M.
BY: SMF	CHECKED: IJM

WELL NAME: SCOTER 19-30-12HN
SURFACE LOCATION: NE 1/4 NW 1/4 SEC. 19, T9N, R60W, 6TH P.M.
WELD COUNTY, COLORADO

PREPARED FOR:

**MALLARD**  
EXPLORATION