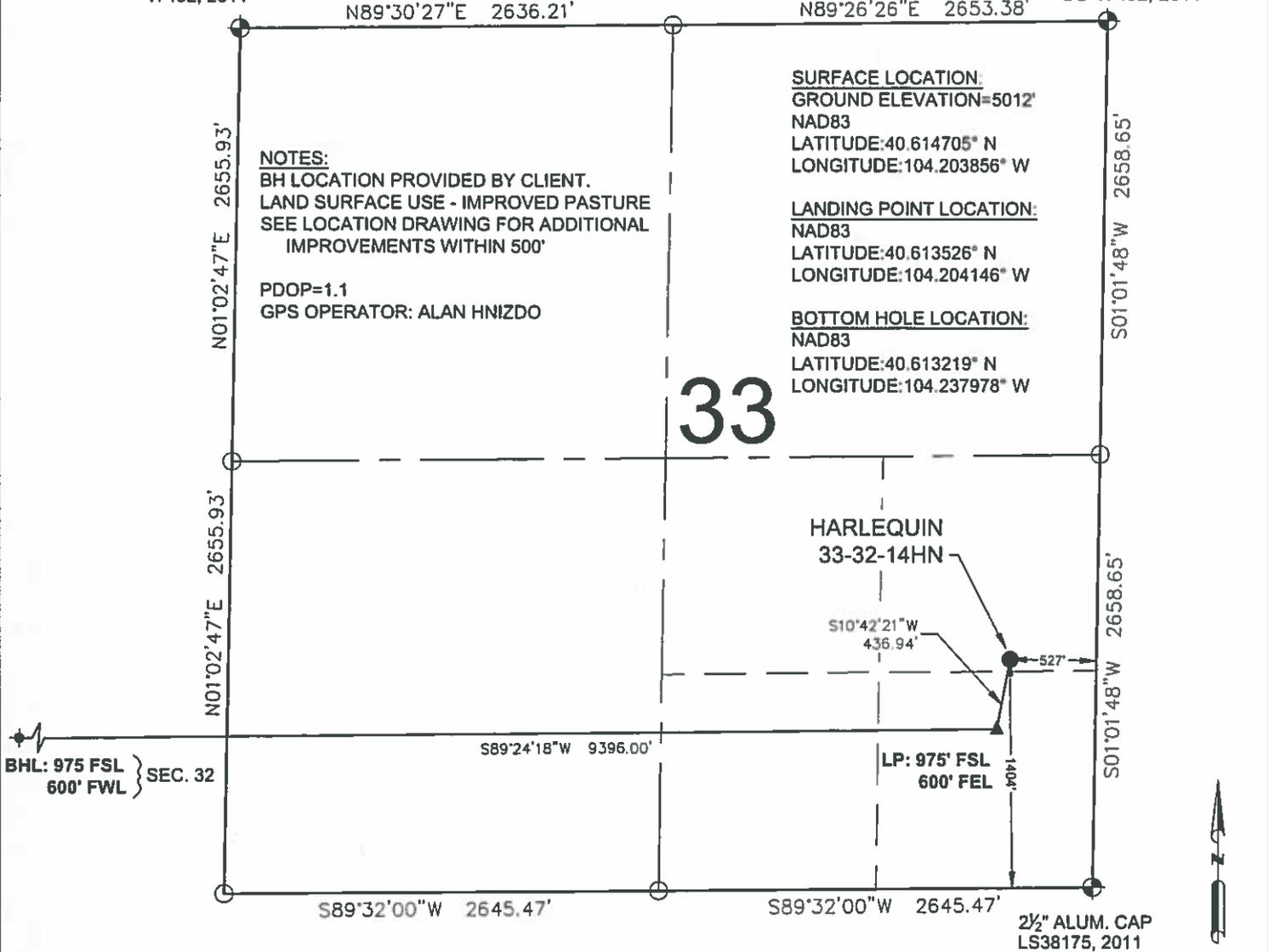


HARLEQUIN 33-32-14HN WELL LOCATION EXHIBIT

2 1/2" ALUM. CAP
17492, 2011

2 1/2" ALUM. CAP
CO 17492, 2011



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

PDOP=1.1
GPS OPERATOR: ALAN HNIZDO

SURFACE LOCATION:
GROUND ELEVATION=5012'
NAD83
LATITUDE:40.614705° N
LONGITUDE:104.203856° W

LANDING POINT LOCATION:
NAD83
LATITUDE:40.613526° N
LONGITUDE:104.204146° W

BOTTOM HOLE LOCATION:
NAD83
LATITUDE:40.613219° N
LONGITUDE:104.237978° W

LEGEND

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

**WELL HARLEQUIN 33-32-14HN TO BE
LOCATED 1404' FSL & 527' FEL**



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.

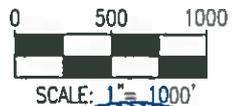
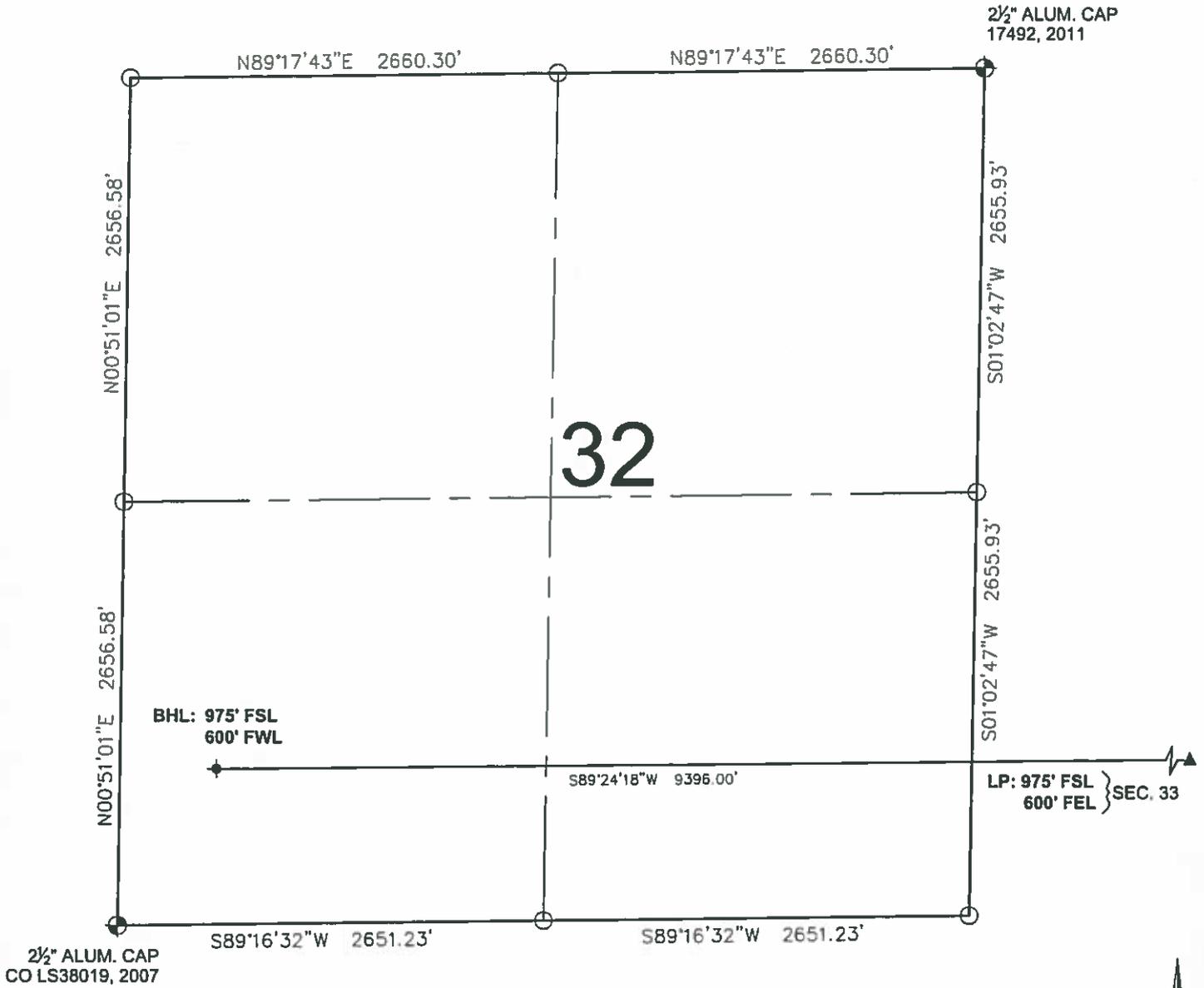
ROBERT J. GUFFEY, PLS 20680
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC

SHEET 1 OF 2

	FIELD DATE 12-13-17	WELL NAME HARLEQUIN 33-32-14HN	PREPARED FOR:
	DRAWING DATE: 12-14-17	SURFACE LOCATION NE 1/4 SE 1/4 SEC. 33, T8N, R61W, 6TH P.M. WELD COUNTY, COLORADO	
BY: MJE	CHECKED: SMF		

ASCENT
GEOMATICS SOLUTIONS
7515 Milltop Circle
Denver, CO 80221
(303) 928-7128
www.ascentgeomatics.com

HARLEQUIN 33-32-14HN WELL LOCATION EXHIBIT



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

 <p>7535 Hilltop Circle Denver, CO 80221 (303) 928-7126 www.ascentgeomatics.com</p>	FIELD DATE 12-13-17	WELL NAME HARLEQUIN 33-32-14HN	PREPARED FOR:  <p>MALLARD EXPLORATION</p>
	DRAWING DATE: 12-14-17	SURFACE LOCATION: NE 1/4 SE 1/4 SEC. 33, T8N, R61W, 6TH P.M. WELD COUNTY, COLORADO	
BY: MJE	CHECKED: SMF		