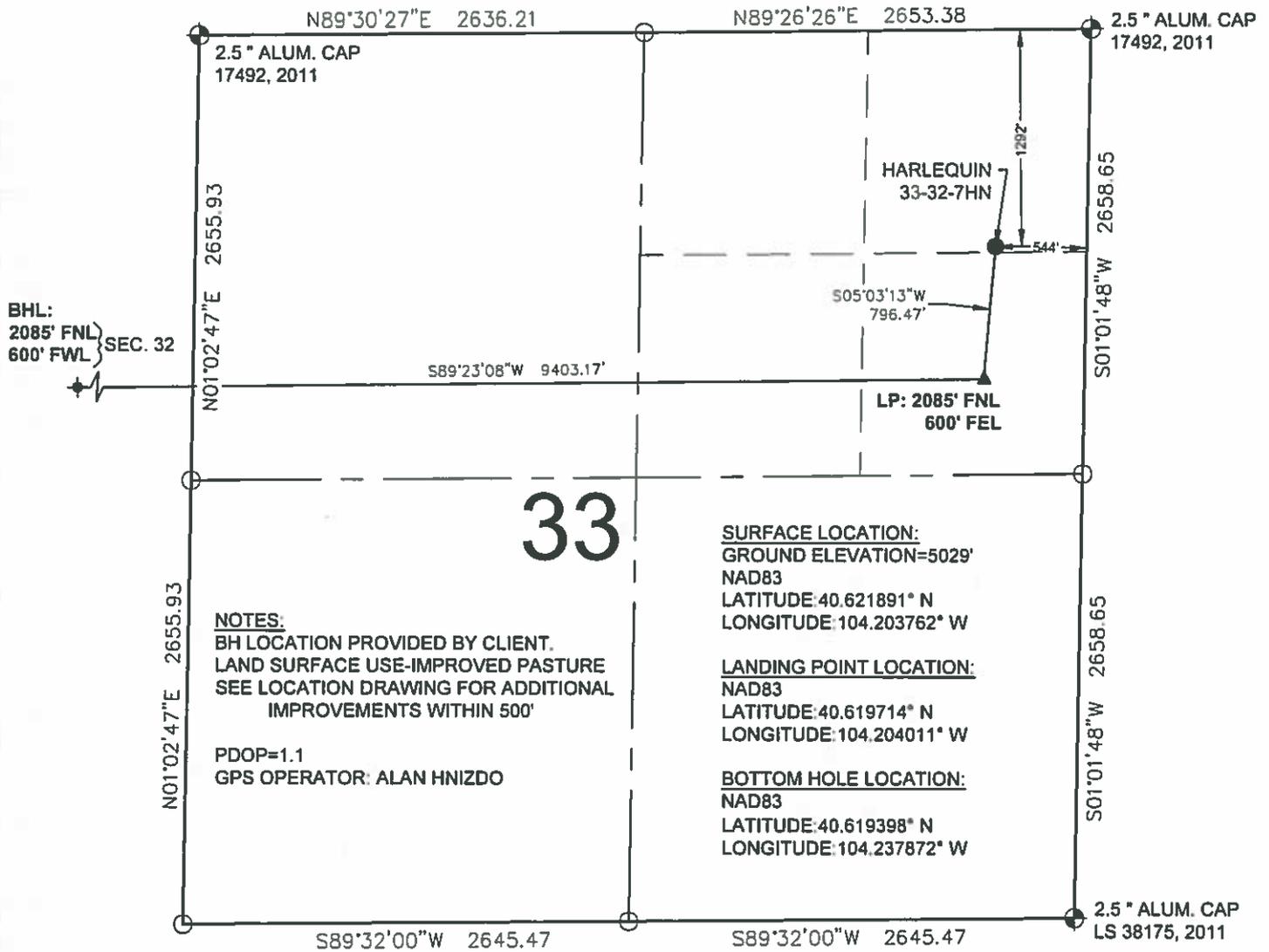


# HARLEQUIN 33-32-7HN WELL LOCATION EXHIBIT



### LEGEND

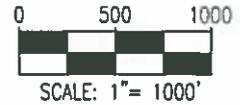
- ⊙ = EXISTING MONUMENT      ◆ = BOTTOM HOLE
- = CALCULATED POSITION    ▲ = LANDING POINT
- = PROPOSED WELL          LP = LANDING POINT
- ◆ = EXISTING WELL          BHL = BOTTOM HOLE LOCATION

### 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

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 HARLEQUIN 33-32-7HN TO BE LOCATED 1292' FNL & 544' FEL



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.

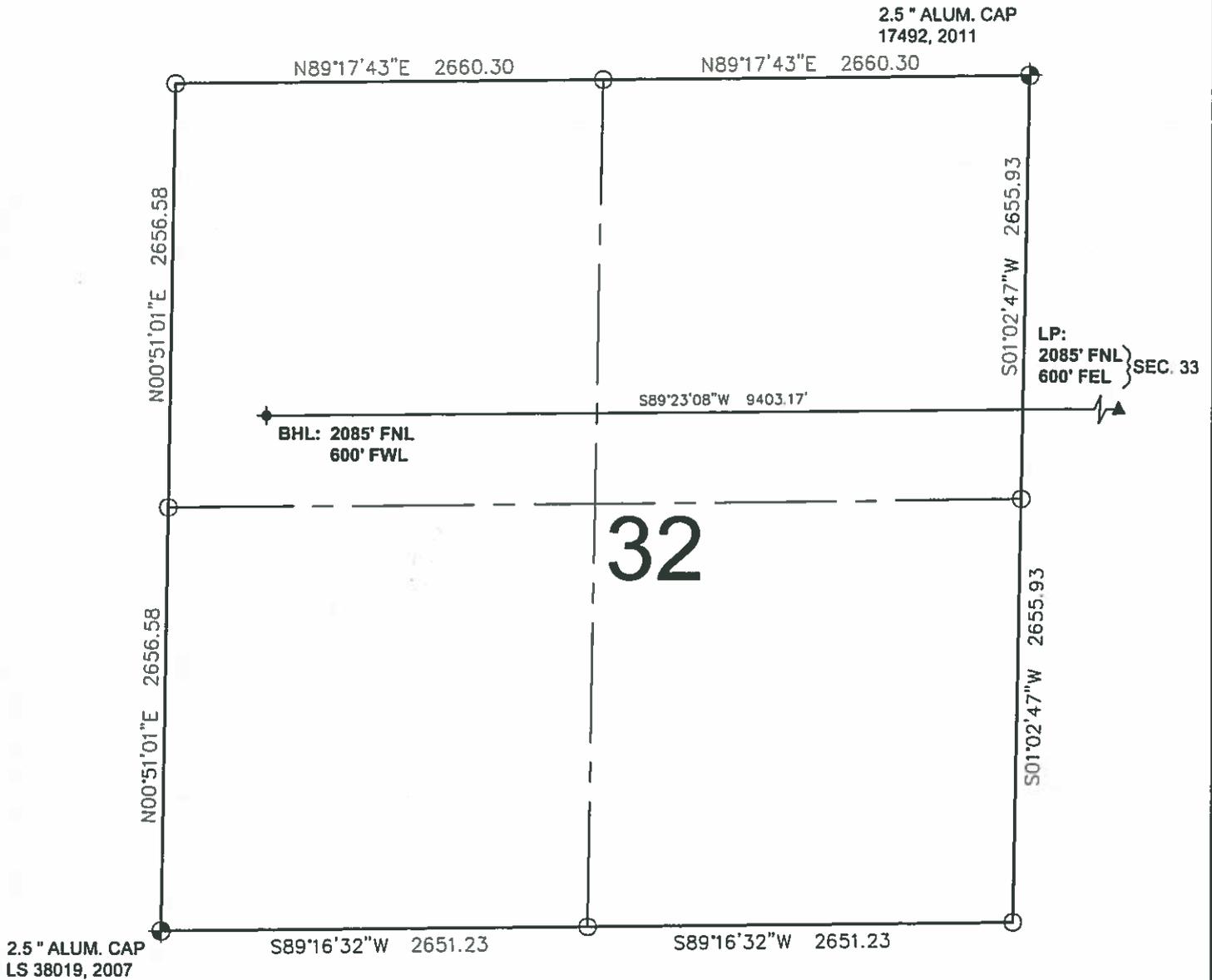


ROBERT J. GUFFEY, PLS 20680  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC

SHEET 1 OF 2

<p style="font-size: 8px;">7535 Hilltop Circle Denver, CO 80221 (303) 928-7128 www.ascentgeomatics.com</p>	FIELD DATE 12-13-17	WELL NAME: HARLEQUIN 33-32-7HN	PREPARED FOR 
	DRAWING DATE 12-15-17	SURFACE LOCATION: NE 1/4 NE 1/4 SEC. 33 T8N, R61W, 6TH P.M. WELD COUNTY, COLORADO	
BY: TCP	CHECKED: SMF		

# HARLEQUIN 33-32-7HN WELL LOCATION EXHIBIT



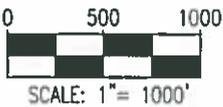
2.5" ALUM. CAP  
LS 38019, 2007

2.5" ALUM. CAP  
17492, 2011

LP:  
2085' FNL  
600' FEL } SEC. 33

BHL: 2085' FNL  
600' FWL

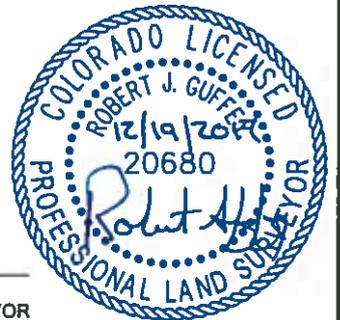
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### LEGEND

- ⊕ = 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) 928-7728 www.ascntgeomatics.com</p>	FIELD DATE: 12-13-17	WELL NAME: HARLEQUIN 33-32-7HN	PREPARED FOR  <p><b>MALLARD</b> EXPLORATION</p>
	DRAWING DATE: 12-15-17	SURFACE LOCATION: NE 1/4 NE 1/4 SEC. 33 T8N, R61W, 6TH P.M. WELD COUNTY, COLORADO	
BY: TCP	CHECKED: SMF		