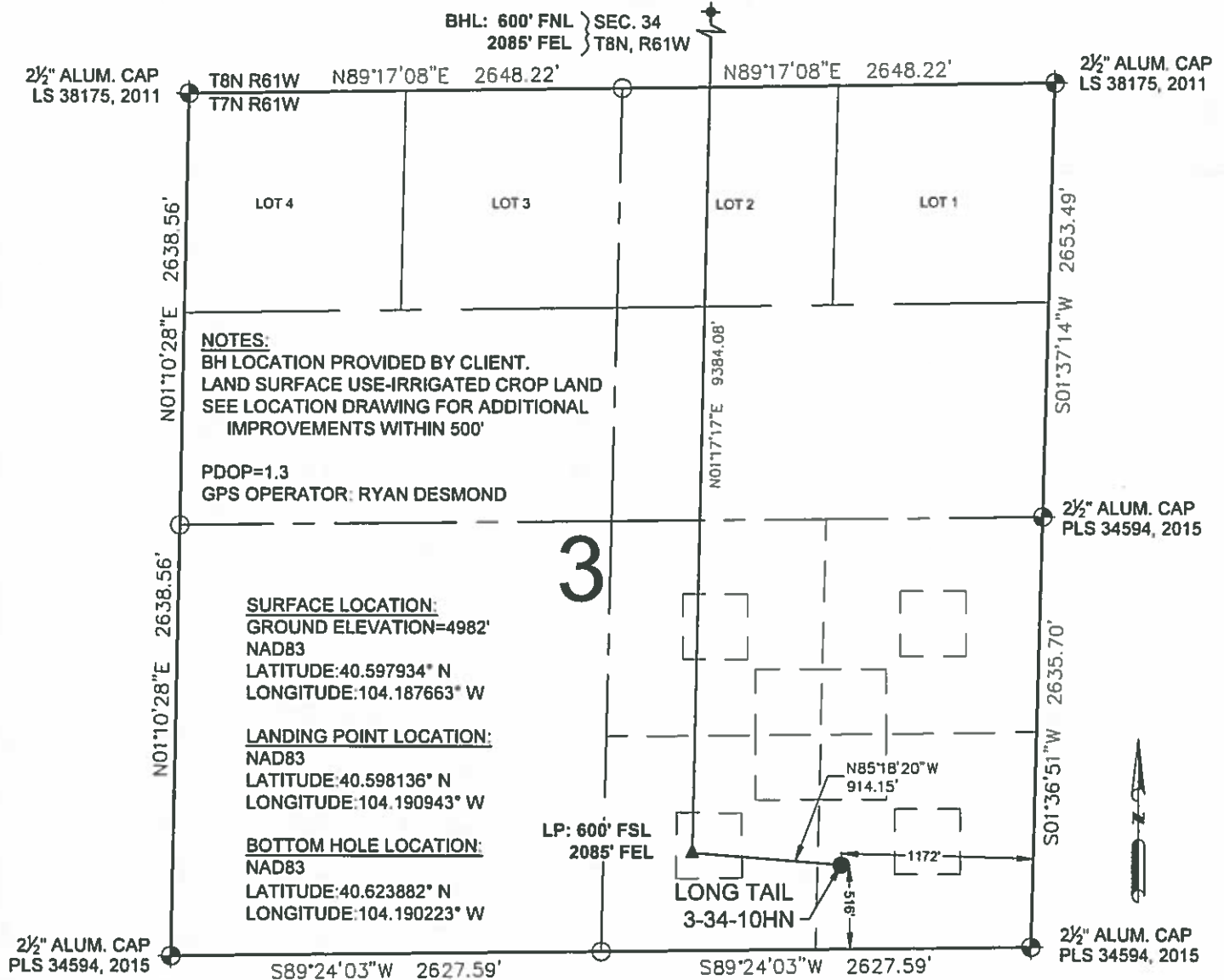


# LONG TAIL 3-34-10HN WELL LOCATION EXHIBIT



## LEGEND

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

## NOTES:

- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
- 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.
- FIELD VERIFICATION OF MONUMENTS COMPLETED WITHIN 1 YEAR OF FIELD DATE, UNLESS OTHERWISE NOTED.

## WELL LONG TAIL 3-34-10HN TO BE LOCATED 516' FSL & 1172' 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.



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

 <p>7535 Hilltop Circle Denver, CO 80221 (303) 978-7128 www.ascentgeomatics.com</p>	<p>FIELD DATE: 12-14-17</p> <p>DRAWING DATE: 12-15-17</p> <p>BY: FWM</p> <p>CHECKED: SMF</p>	<p>WELL NAME: LONG TAIL 3-34-10HN</p> <p>SURFACE LOCATION: SE 1/4, SE 1/4, SEC. 3, T7N, R61W, 6TH P.M. WELD COUNTY, COLORADO</p>	<p>PREPARED FOR:</p>  <p><b>MALLARD EXPLORATION</b></p>
---	--	--	--

# LONG TAIL 3-34-10HN WELL LOCATION EXHIBIT

2½" ALUM. CAP  
CO 17492, 2011

N89°35'39"E 2644.08'

N89°35'39"E 2644.08'

2½" ALUM. CAP  
PLS 20680, 2017

N01°01'48"E 2658.65'

BHL: 600' FNL  
2085' FEL

S00°56'57"W 2644.30'

N01°01'48"E 2658.65'

N01°17'17"E 9384.08'

S00°56'57"W 2644.30'

34

T8N R61W

2½" ALUM. CAP  
LS 38175, 2011

T7N R61W

S89°17'08"W 2648.22'

S89°17'08"W 2648.22'

2½" ALUM. CAP  
LS 38175, 2011

LP: 600' FSL } SEC. 3  
2085' FEL } T7N, R61W



SCALE: 1" = 1000'



## LEGEND

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



7535 Hilltop Circle  
Denver, CO 80221  
(303) 928-7128  
www.ascentsolutions.com

FIELD DATE:  
12-14-17

DRAWING DATE:  
12-15-17

BY:  
FWM

CHECKED  
SMF

WELL NAME:  
LONG TAIL 3-34-10HN

SURFACE LOCATION:

SE 1/4, SE 1/4, SEC. 3, T7N, R61W, 6TH P.M.  
WELD COUNTY, COLORADO

PREPARED FOR:

