

PINTAIL 2-10HN WELL LOCATION CERTIFICATE

NW COR. SEC. 35
2" BRASS CAP
11089, NO DATE

N89°44'17"E 2655.66'

N89°44'26"E 2656.24'

NE COR. SEC. 35
2" BRASS CAP
11089, 1978

SURFACE LOCATION:
GROUND ELEVATION=4923'
NAD83
LATITUDE:40.701133° N
LONGITUDE:104.064421° W

N ¼ COR. SEC. 35
2" BRASS CAP
11089, 1978

LANDING POINT LOCATION:
NAD83
LATITUDE:40.697514° N
LONGITUDE:104.055124° W

BOTTOM HOLE LOCATION:
NAD83
LATITUDE:40.671448° N
LONGITUDE:104.055758° W

W ¼ COR. SEC. 35
2" BRASS CAP
11089, 1978

N89°37'14"E 2648.21'

N89°36'00"E 2648.34'

E ¼ COR. SEC. 35
2" BRASS CAP
11089, NO DATE

35

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

PDOP=1.8
GPS OPERATOR: IAN CARABAJAL

PINTAIL 2-10HN

SW COR. SEC. 35
2" BRASS CAP
11089, 1978

2639.84'
S89°28'29"W

LP: 600' FNL
2085' FEL

S ¼ COR. SEC. 35
2" BRASS CAP
11089, 1978

SE COR. SEC. 35
2" BRASS CAP
11089, NO DATE

S89°28'55"W 2640.08'
BASIS OF BEARINGS (SEE NOTE 2)

LEGEND

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- ◆ = 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
- BEARINGS ARE BASED ON THE ASSUMPTION THAT THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SECTION 35, BEARS S89°28'55"W BETWEEN THE MONUMENTS SHOWN HEREON.
- 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 104.086881°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 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 PINTAIL 2-10HN TO BE
LOCATED 742' FSL & 1098' FWL

I, ROBERT J. GUFFEY, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO MALLARD EXPLORATION, THAT THE SURVEY AND WELL LOCATION CERTIFICATE SHOWN HEREON WERE DONE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED LOCATION OF THE WELL. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.R.S. 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

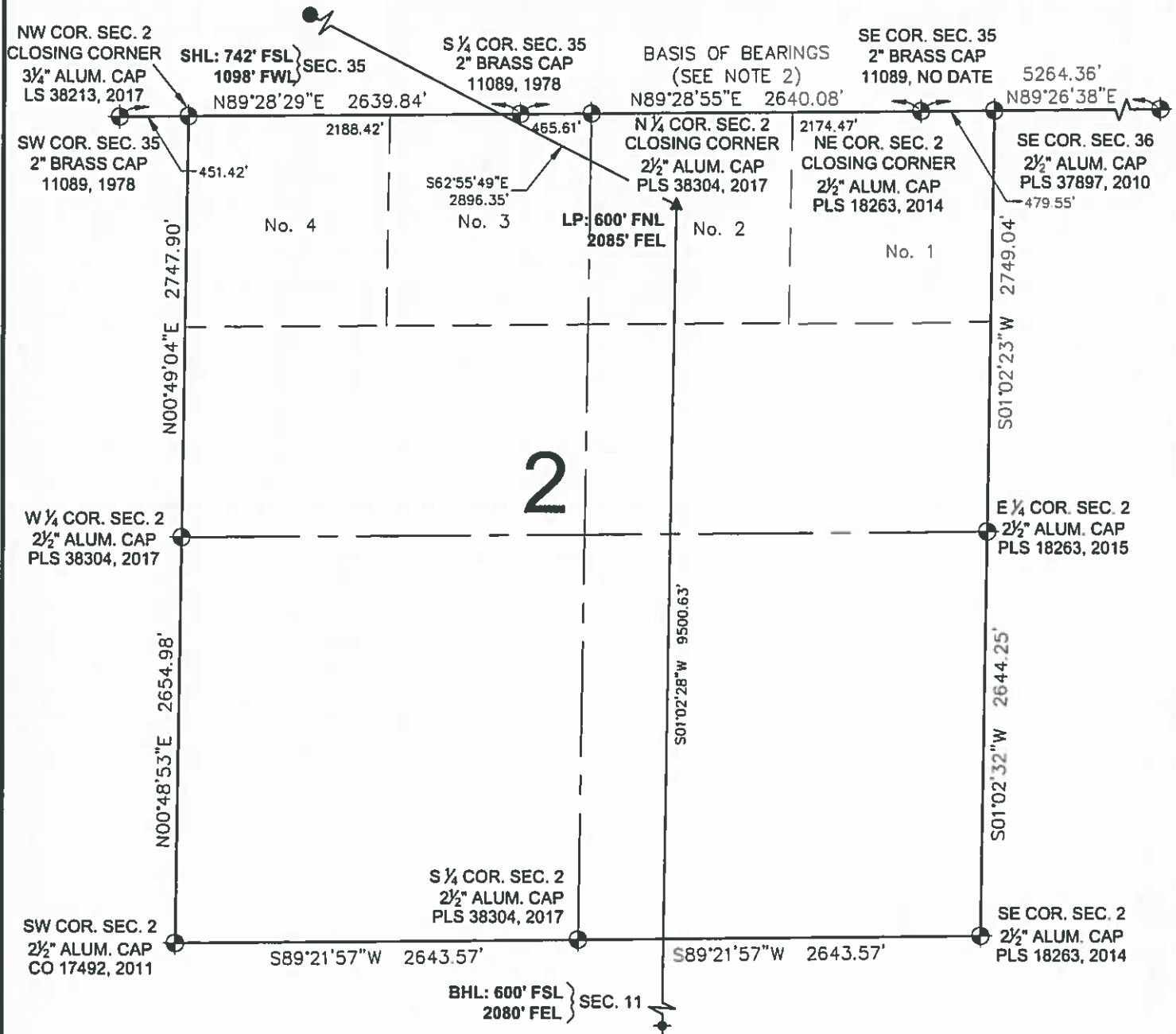
ROBERT J. GUFFEY, PLS 20680
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC



SHEET 1 OF 3

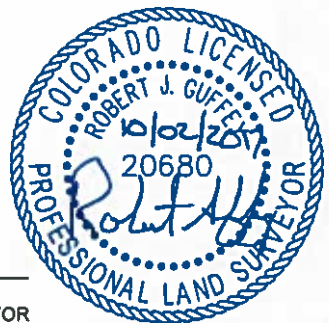
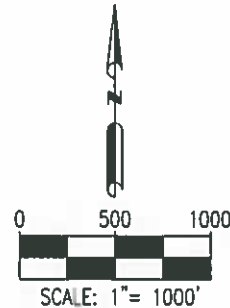
 7535 Midway Circle Denver, CO 80221 (303) 928-7128 www.ascentgeomatics.com	FIELD DATE: 08-08-17	WELL NAME: PINTAIL 2-10HN	PREPARED FOR:  MALLARD EXPLORATION
	DRAWING DATE: 10-01-17	SURFACE LOCATION: SW 1/4 SW 1/4 SEC. 35 T9N, R60W, 6TH P.M. WELD COUNTY, COLORADO	
BY: SMF	CHECKED: CSG		

PINTAIL 2-10HN WELL LOCATION CERTIFICATE





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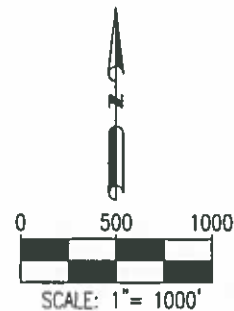
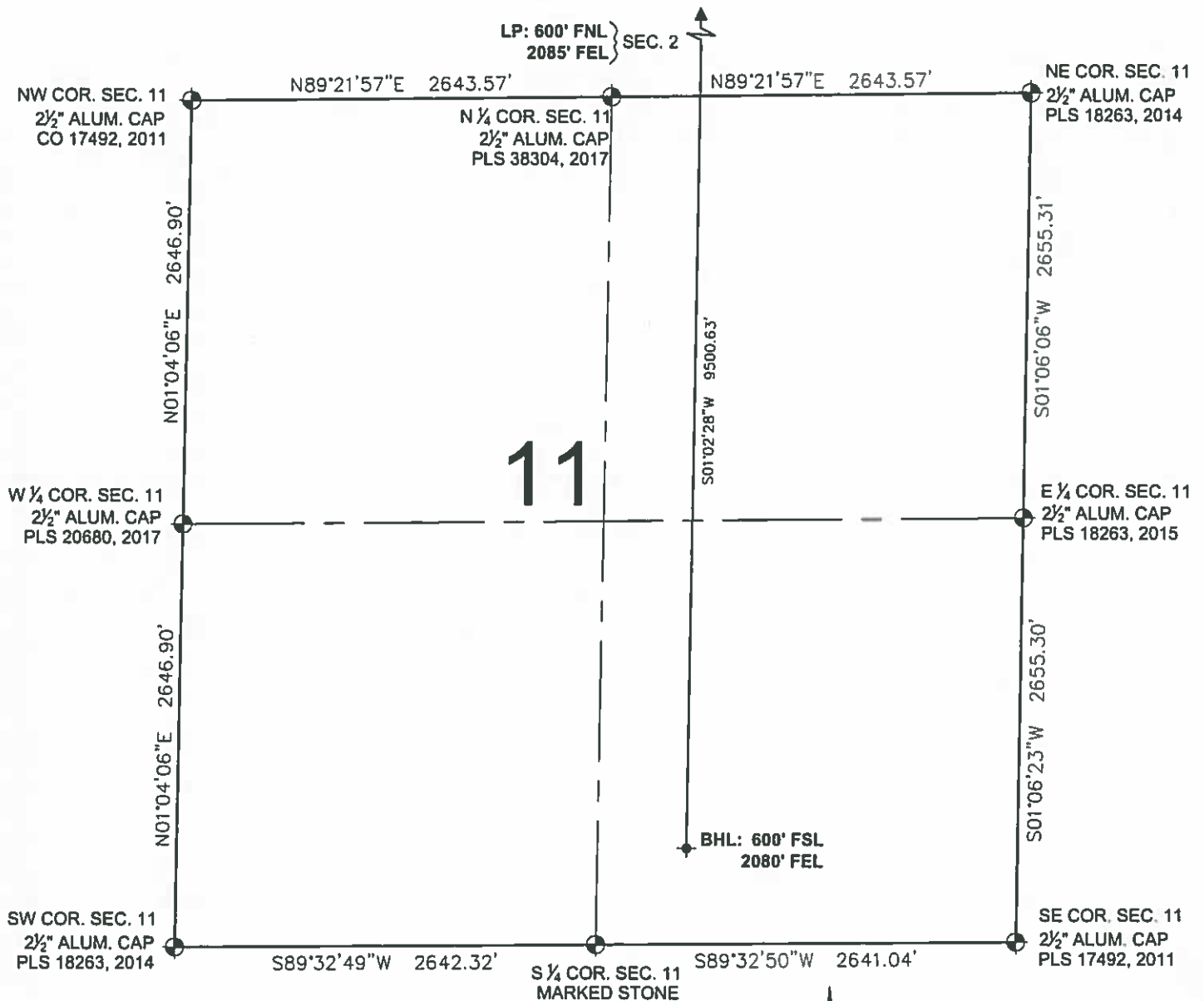


ROBERT J. GUFFEY, PLS 20680
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC

SHEET 2 OF 3

 <p>7535 Hi-Top Circle Denver, CO 80221 (303) 528-7128 www.ascentgeomatics.com</p>	FIELD DATE 08-08-17 DRAWING DATE 10-01-17 BY SMF CHECKED CSG	WELL NAME PINTAIL 2-10HN SURFACE LOCATION SW 1/4 SW 1/4 SEC. 35 T9N, R60W, 6TH P.M. WELD COUNTY, COLORADO	PREPARED FOR  <p>MALLARD EXPLORATION</p>

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SHEET 3 OF 3

 7535 Hittop Circle Denver, CO 80221 (303) 928-7128 www.ascentsolutions.com	FIELD DATE 08-08-17 DRAWING DATE 10-01-17 BY SMF CHECKED CSG	WELL NAME PINTAIL 2-10HN SURFACE LOCATION SW 1/4 SW 1/4 SEC. 35 T9N, R60W, 6TH P.M. WELD COUNTY, COLORADO	PREPARED FOR MALLARD EXPLORATION