

# PINTAIL FED 2-1HN 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=4926'  
NAD83  
LATITUDE:40.701546° N  
LONGITUDE:104.064503° W

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

**LANDING POINT LOCATION:**  
NAD83  
LATITUDE:40.697451° N  
LONGITUDE:104.064551° W

**BOTTOM HOLE LOCATION:**  
NAD83  
LATITUDE:40.671394° N  
LONGITUDE:104.065121° W

N01°08'02"W 2697.34'

N00°58'37"W 2691.82'

1342.51'  
S00°49'05"E  
1342.72'  
S00°48'08"E

N ¼ SEC. 35/36  
2 ½" ALUM. CAP  
PLS 22097, 2012

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

N89°37'14"E 2648.21'

N89°36'00"E 2648.34'

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

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

N01°09'08"W 2697.90'

N00°58'33"W 2691.08'

S00°48'02"E 2685.57'

PINTAIL FED  
2-1HN

1079'  
S00°29'56"W  
1492.37'

2639.84'  
S89°28'29"W

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

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

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

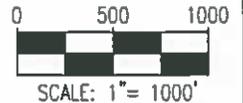
LP: 600' FNL } SEC. 2  
605' FWL

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

**LEGEND**

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

**WELL PINTAIL FED 2-1HN TO BE  
LOCATED 892' FSL & 1079' FWL**



**NOTES:**

1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. 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.
3. 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 104.066861°W, AND A SCALE FACTOR ON THE CENTRAL MERIDIAN OF 1.000232 (EXACT). THE LDP BASIS OF BEARINGS IS GEODETIC NORTH.
4. 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.

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.

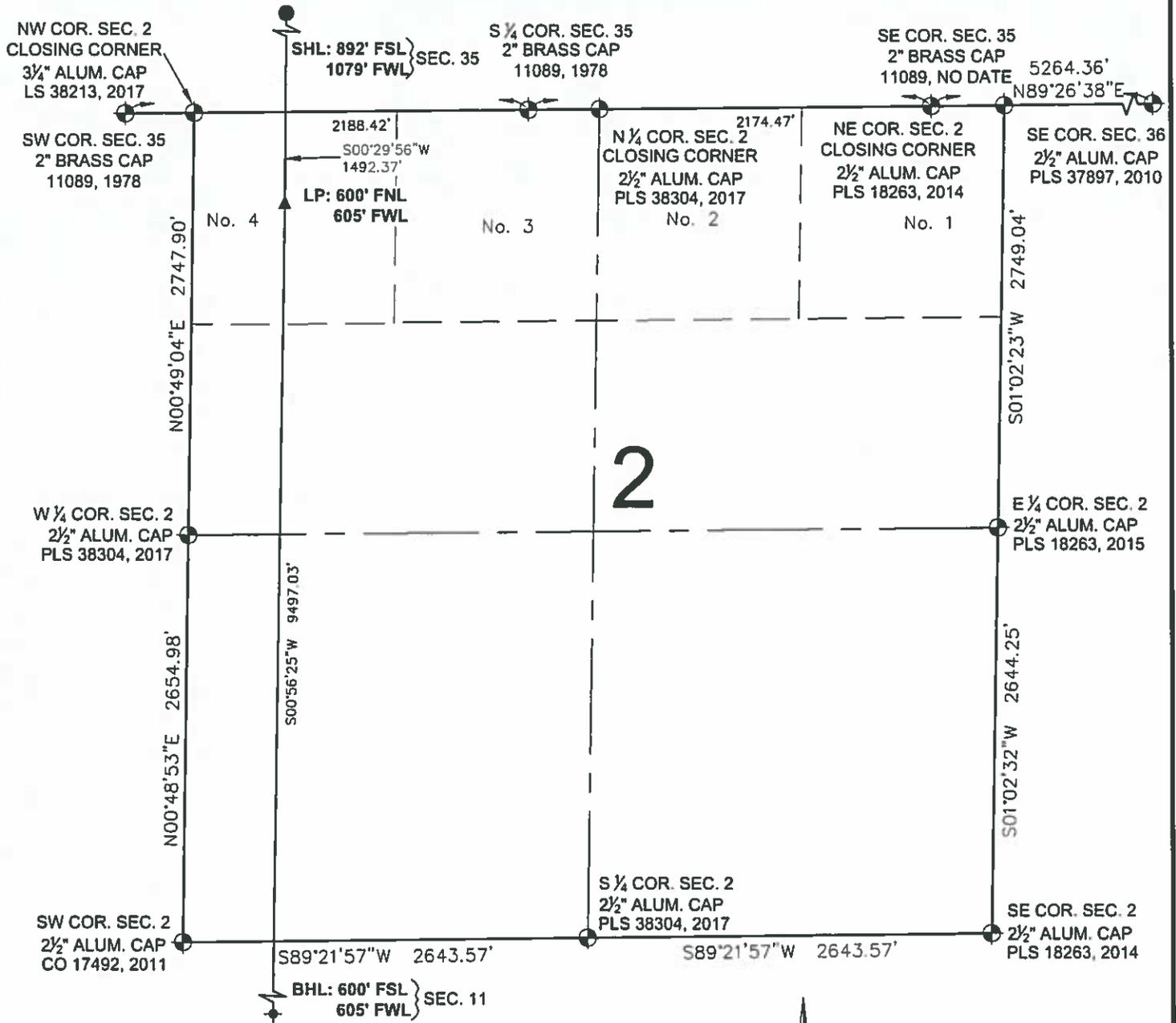


ROBERT J. GUFFEY, PLS 20680  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC

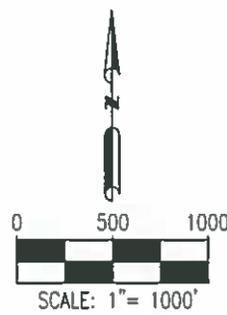
SHEET 1 OF 3

 7535 Hilltop Circle Denver, CO 80221 (303) 918-7128 www.ascentgeomatics.com	FIELD DATE 08-08-17	WELL NAME PINTAIL FED 2-1HN	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 FED 2-1HN WELL LOCATION CERTIFICATE



# 2



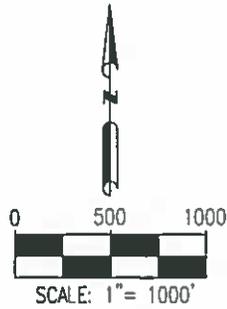
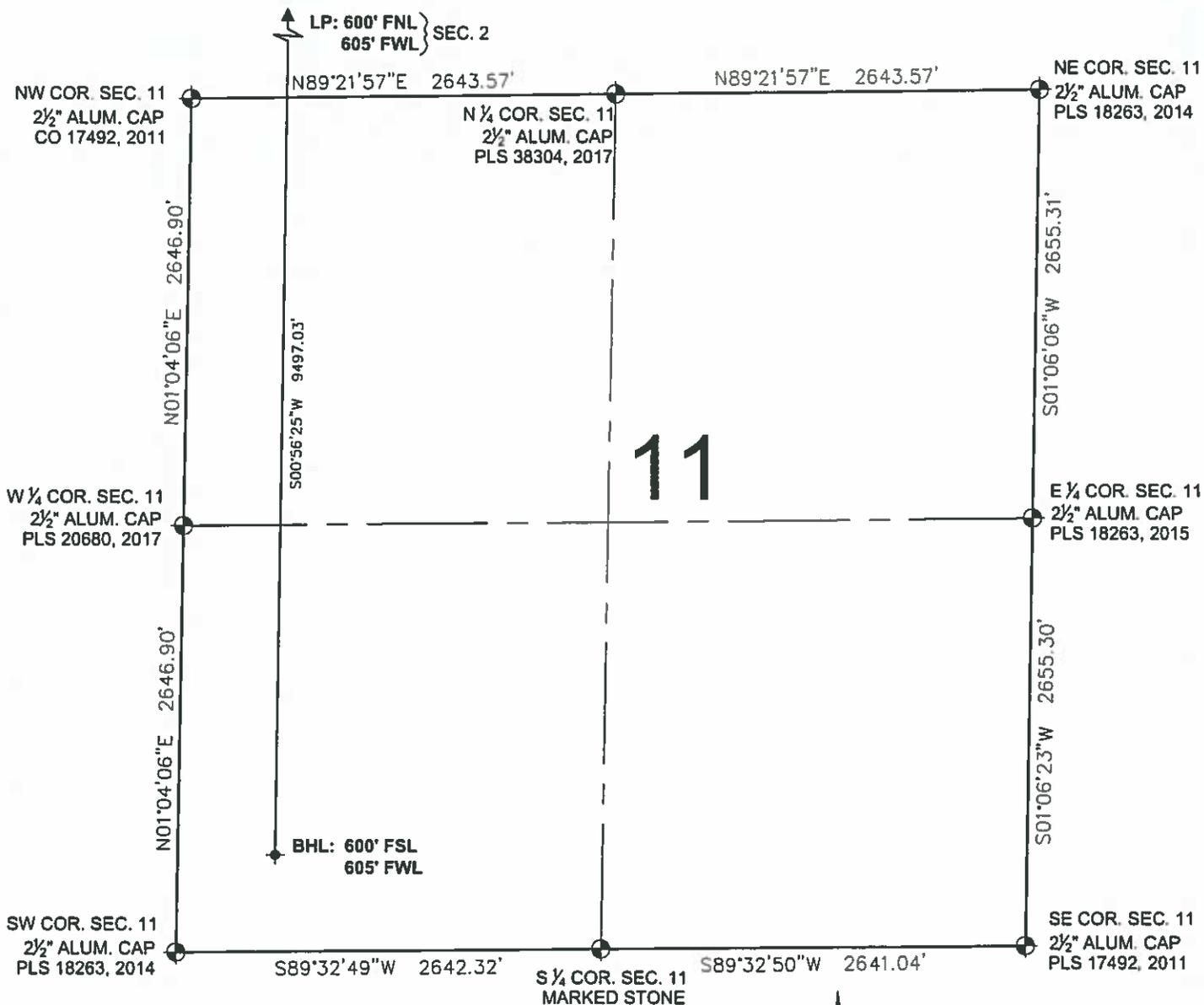
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SHEET 2 OF 3

 7535 Hilltop Circle Denver, CO 80221 (303) 928-7128 www.ascentgeomatics.com	FIELD DATE 08-08-17	WELL NAME PINTAIL FED 2-1HN	PREPARED FOR 
	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

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SHEET 3 OF 3

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	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		