

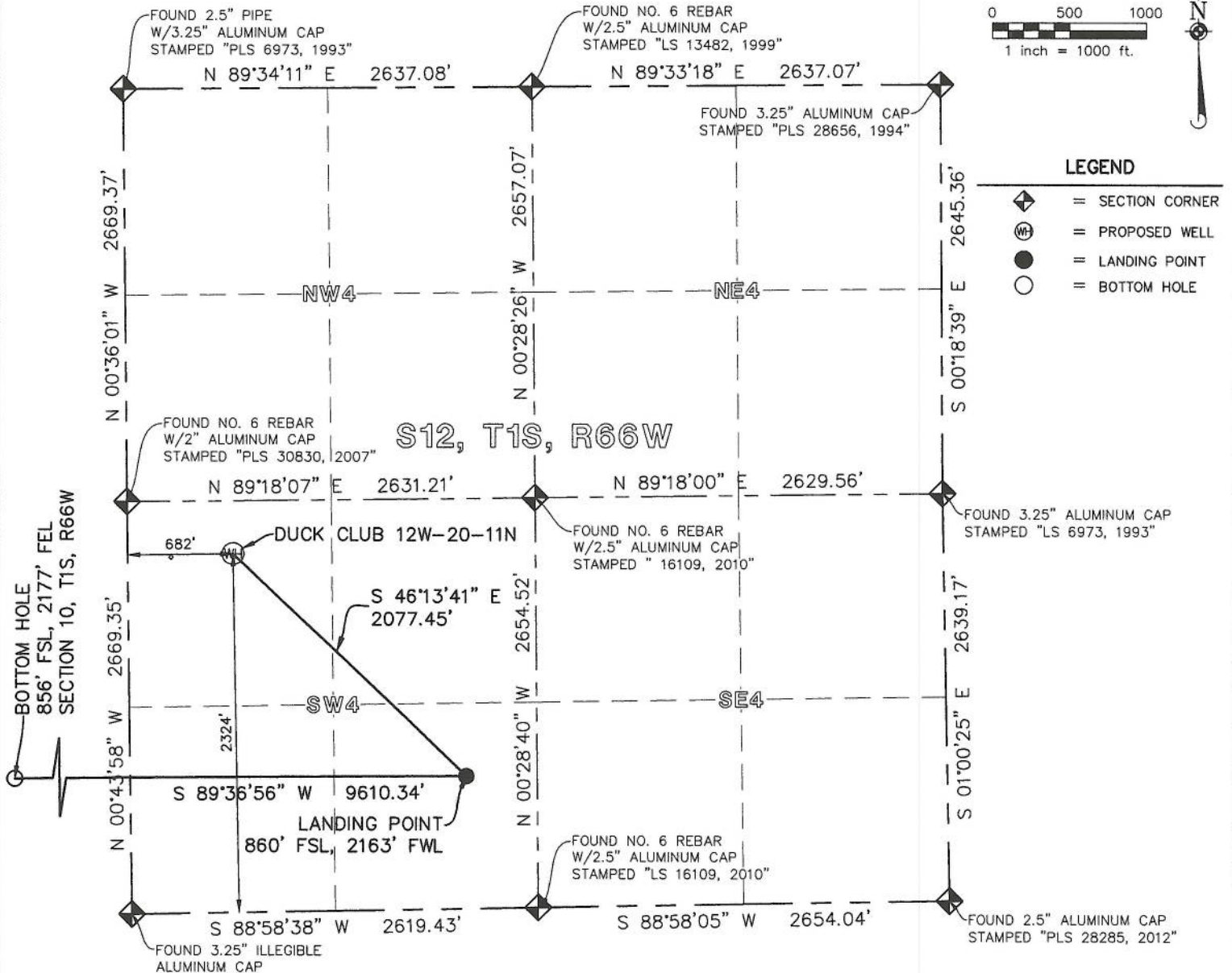
SECTION: 12  
TOWNSHIP: 1 SOUTH  
RANGE: 66 WEST

# WELL LOCATION CERTIFICATE

## DUCK CLUB 12W-20-11N

SHEET 1 OF 3

0 500 1000  
1 inch = 1000 ft.



### LEGEND

- = SECTION CORNER
- = PROPOSED WELL
- = LANDING POINT
- = BOTTOM HOLE

IN ACCORDANCE WITH A REQUEST FROM CHRIS SIMMONS OF EXTRACTION OIL & GAS, LLC., MANHARD CONSULTING HAS DETERMINED THE SURFACE LOCATION OF THE DUCK CLUB 12W-20-11N WELL TO BE 2324' FSL, 682' FWL, AS MEASURED AT NINETY (90) DEGREES FROM THE SECTION LINES OF SECTION 12, TOWNSHIP 1 SOUTH, RANGE 66 WEST, AND THE BOTTOM HOLE LOCATION TO BE 856' FSL, 2177' FWL, AS MEASURED AT NINETY (90) DEGREES FROM THE SECTION LINES OF SECTION 10, TOWNSHIP 1 SOUTH, RANGE 66 WEST, OF THE SIXTH PRINCIPAL MERIDIAN, ADAMS COUNTY, COLORADO.

I HEREBY STATE THAT THIS WELL LOCATION CERTIFICATE WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, THAT THE WORK WAS COMPLETED ON 02/01/2018 FOR AND ON BEHALF OF EXTRACTION OIL & GAS, LLC., AND THAT THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY, IT IS NOT A LAND SURVEY PLAT OR AN IMPROVEMENT SURVEY PLAT AND IT IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OF FENCE, BUILDING OR OTHER FUTURE IMPROVEMENT LINES.

### NAD 83 LATITUDE AND LONGITUDE

SURFACE LOCATION:		LANDING POINT:	
LATITUDE:	N39.97868	LATITUDE:	N39.97470
LONGITUDE:	W104.73097	LONGITUDE:	W104.72567
ELEVATION:	5037		
PDP:	1.7		
QTR/QTR:	NW4/SW4		
		BOTTOM HOLE:	
		LATITUDE:	N39.97475
		LONGITUDE:	W104.75996

### NEAREST CULTURAL ITEMS:

BUILDING:	1467'± W
BUILDING UNIT:	1467'± W
HIGH OCC. BLDG UNIT:	4246'± W
DES. OUTSIDE ACTIVITY AREA:	5280'±
PUBLIC ROAD:	2320'± S
ABOVE GROUND UTILITY:	643'± SW
RAILROAD:	992'± NW
PROPERTY LINE:	346'± NW

### NOTES:

- 1) BASIS OF BEARINGS: THE WEST LINE OF THE SOUTHWEST QUARTER OF SECTION 12, TOWNSHIP 1 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN IS ASSUMED TO BEAR NORTH 00°43'58" WEST BETWEEN THE FOUND MONUMENTS AS SHOWN AND DESCRIBED HEREON.
- 2) HORIZONTAL DATUM IS NAD83.
- 3) VERTICAL DATUM IS NAVD88 AND ORIGINATES FROM THE TRIMBLE VRS NETWORK, UTILIZING THE GEOID12B MODEL.
- 4) SEE LOCATION DRAWING FOR VISIBLE IMPROVEMENTS WITHIN 500' OF PROPOSED DISTURBED AREA.
- 5) INS. OPERATOR: KEITH TAPHORN



BRIAN J. PFOHL, PLS 38445  
FOR AND ON BEHALF OF  
MANHARD CONSULTING

PREPARED BY:



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FIELD DATE:

02/01/2018

DRAWING DATE:

03/27/2018

DRAWN BY:

BJP/CBS/SKY

CHECKED BY:

BJP

PARCEL ID:

0156900000278

SURFACE LOCATION:

THE NORTHWEST QUARTER OF THE  
SOUTHWEST QUARTER OF SECTION 12,  
TOWNSHIP 1 SOUTH, RANGE 66 WEST OF  
THE SIXTH PRINCIPAL MERIDIAN,  
ADAMS COUNTY, COLORADO

PREPARED FOR:



SECTION: 12  
TOWNSHIP: 1 SOUTH  
RANGE: 66 WEST

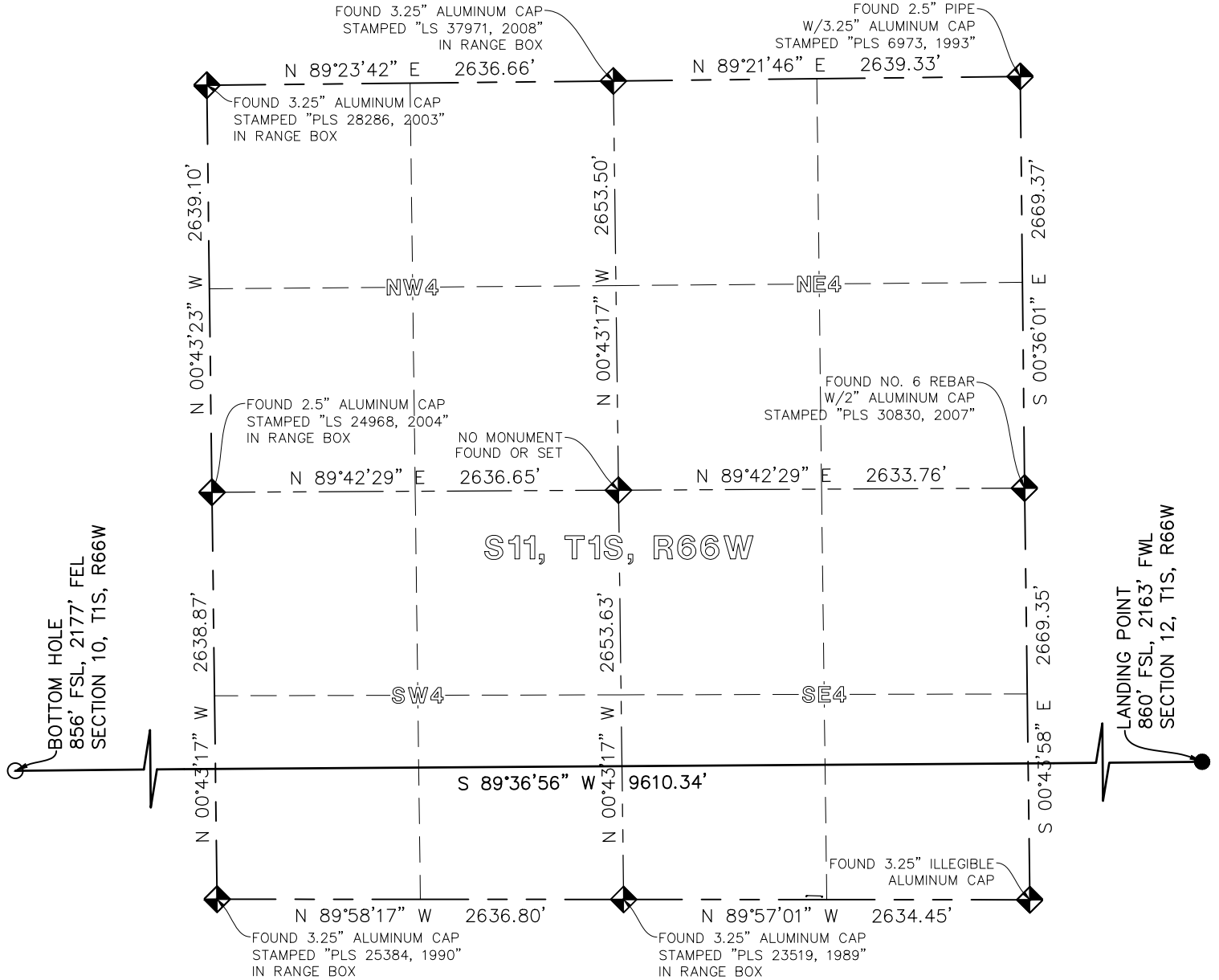
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SHEET 2 OF 3

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ADAMS COUNTY, COLORADO

PREPARED FOR:







SECTION: 12  
TOWNSHIP: 1 SOUTH  
RANGE: 66 WEST

# WELL LOCATION CERTIFICATE

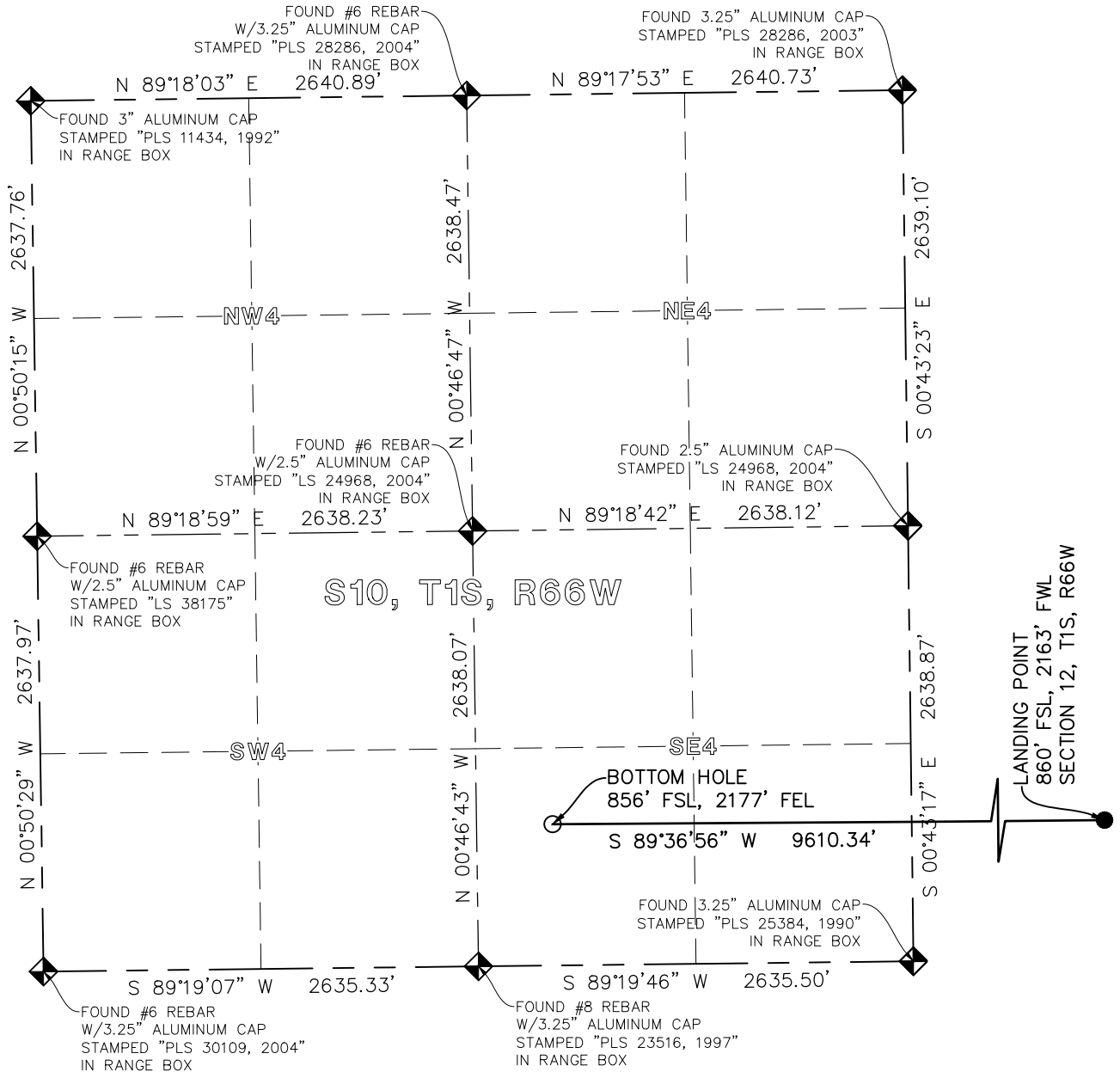
DUCK CLUB 12W-20-11N

SHEET 3 OF 3

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