

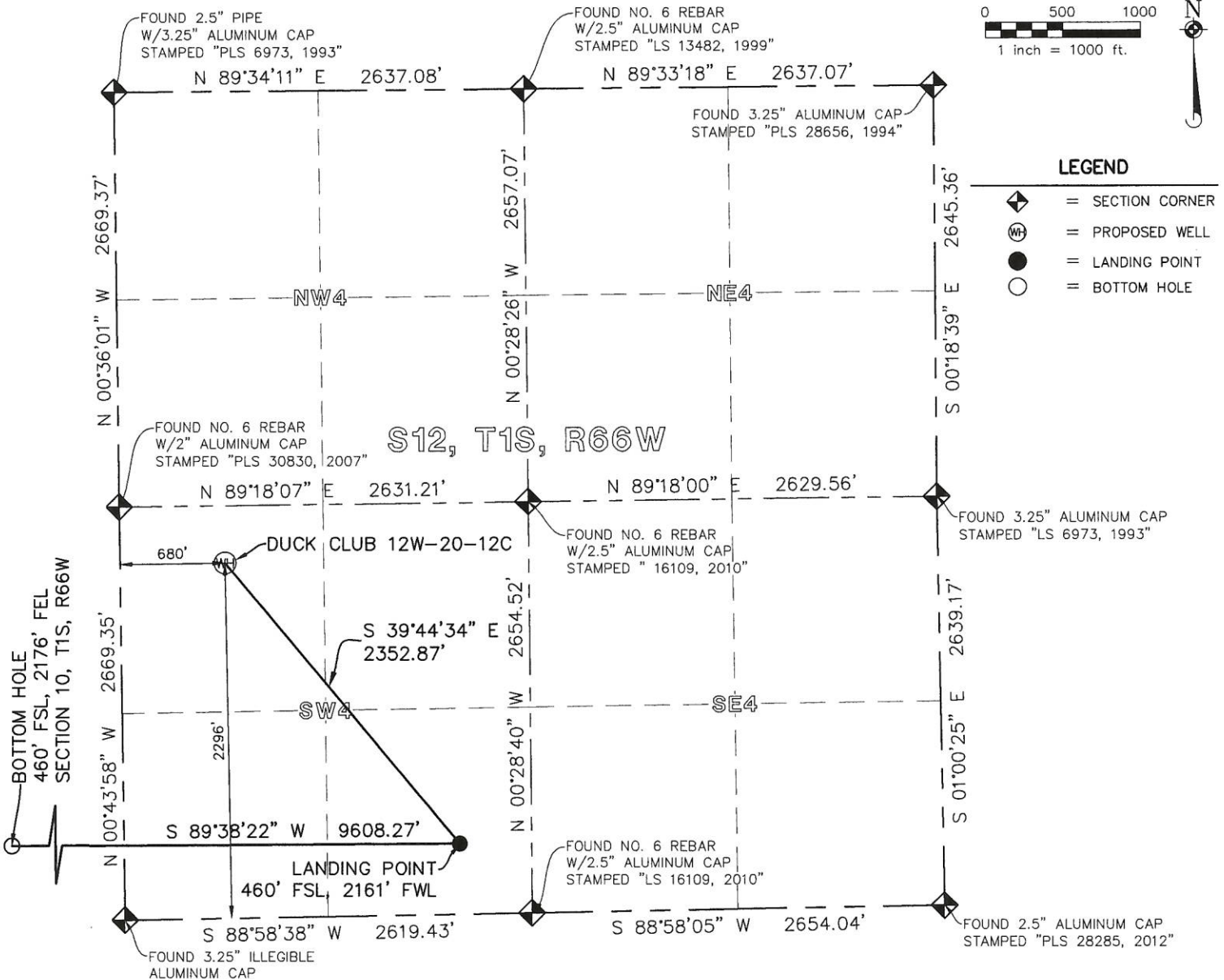
SECTION: 12  
TOWNSHIP: 1 SOUTH  
RANGE: 66 WEST

# WELL LOCATION CERTIFICATE

## DUCK CLUB 12W-20-12C

SHEET 1 OF 3

0 500 1000  
1 inch = 1000 ft.



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-20-12C WELL TO BE 2296' FSL, 680' 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 460' FSL, 2176' 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:         | N39.97860  | LATITUDE:      | N39.97360  |
| LONGITUDE:        | W104.73098 | LONGITUDE:     | W104.72567 |
| ELEVATION:        | 5037       |                |            |
| PDOP:             | 1.7        |                |            |
| QTR/QTR:          | NW4/SW4    |                |            |
|                   |            | BOTTOM HOLE:   |            |
|                   |            | LATITUDE:      | N39.97366  |
|                   |            | LONGITUDE:     | W104.75995 |

### NEAREST CULTURAL ITEMS:

|                             |           |
|-----------------------------|-----------|
| BUILDING:                   | 1475'± W  |
| BUILDING UNIT:              | 1475'± W  |
| HIGH OCC. BLDG UNIT:        | 4253'± W  |
| DES. OUTSIDE ACTIVITY AREA: | 5280'±    |
| PUBLIC ROAD:                | 2295'± S  |
| ABOVE GROUND UTILITY:       | 631'± SW  |
| RAILROAD:                   | 1013'± NW |
| PROPERTY LINE:              | 362'± 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:

02/01/2017

DRAWING DATE:

02/03/2018

DRAWN BY:

BJP/CBS

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

# WELL LOCATION CERTIFICATE

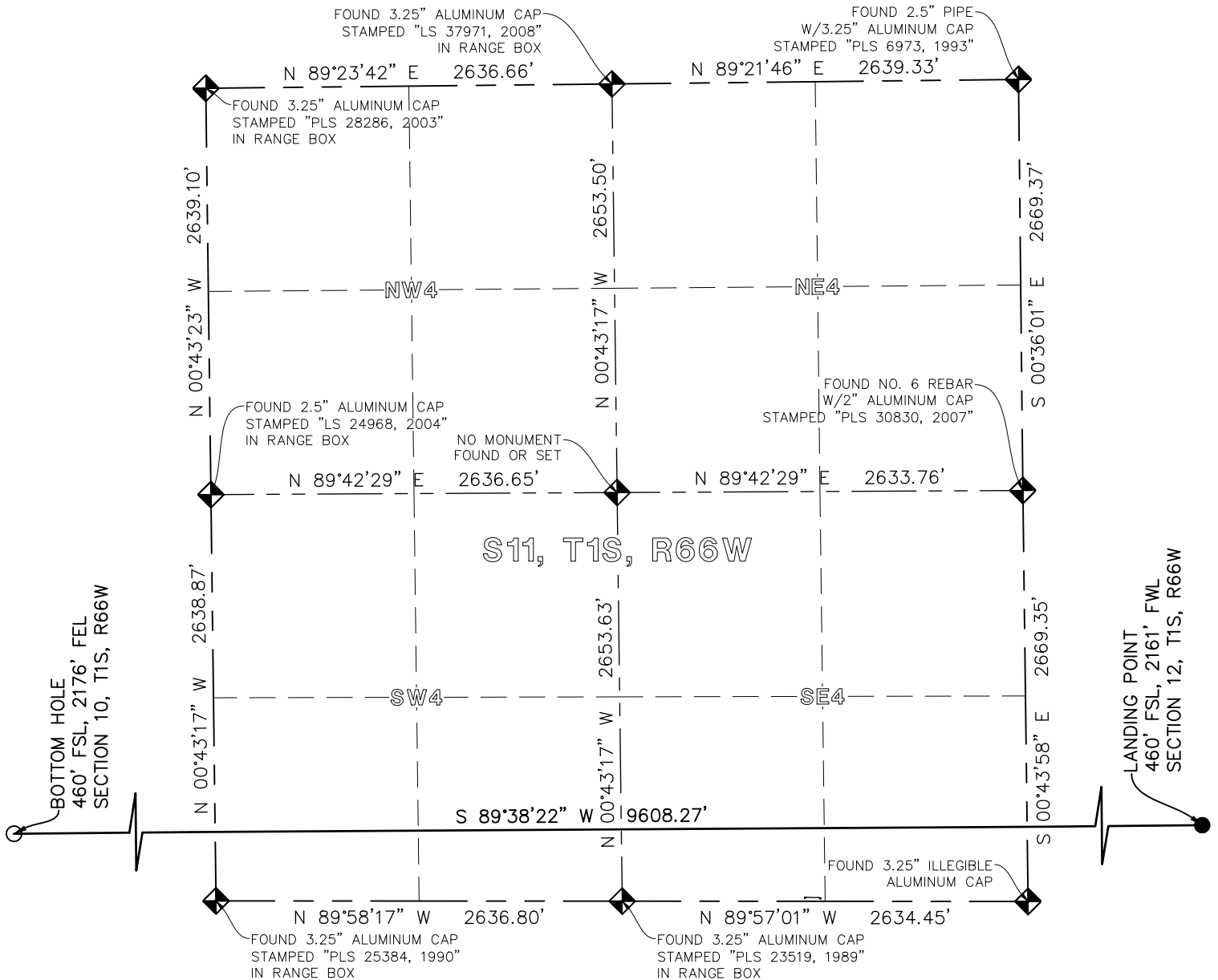
## DUCK CLUB 12W-20-12C

SHEET 2 OF 3

### LEGEND

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

0 500 1000  
1 inch = 1000 ft.



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