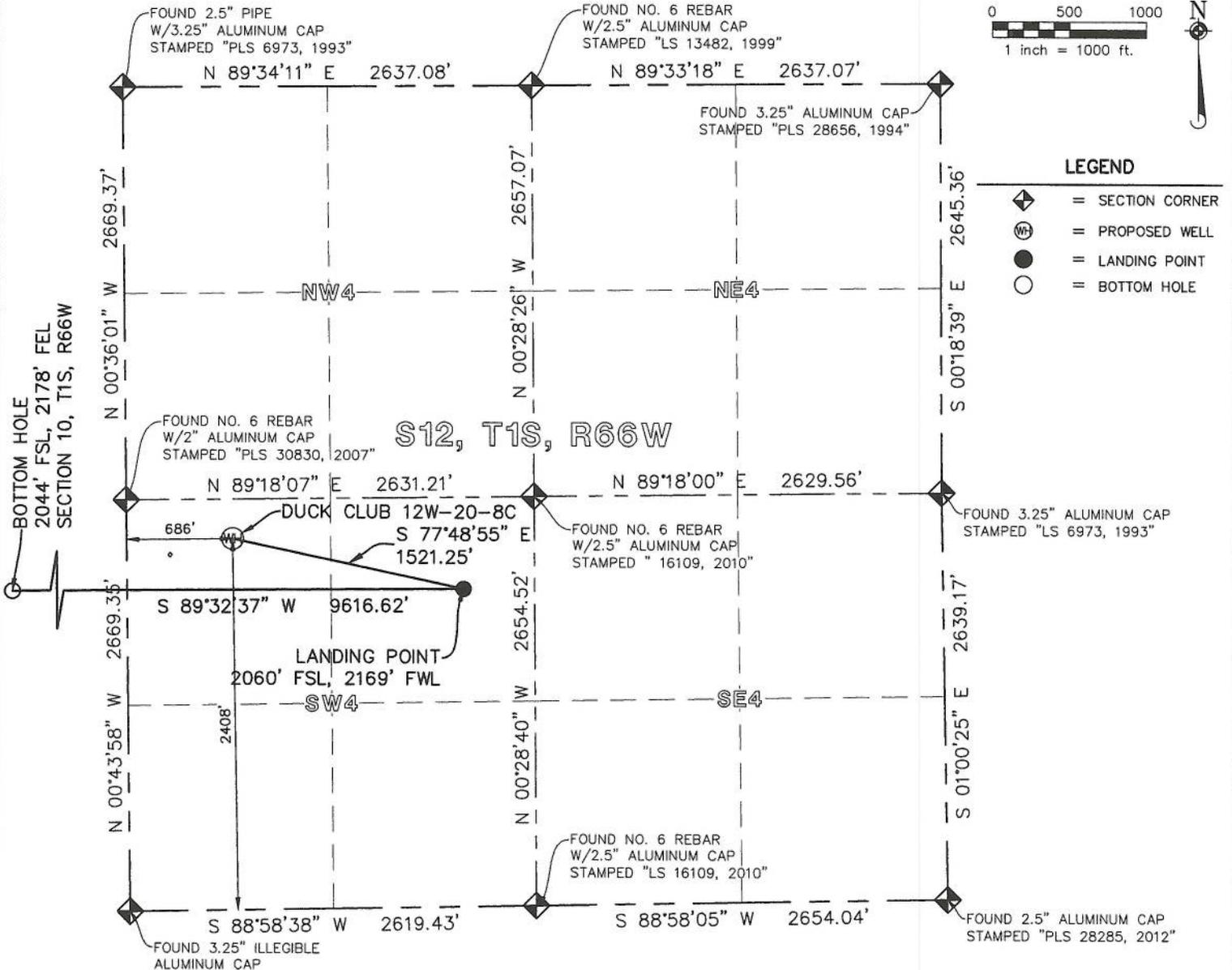
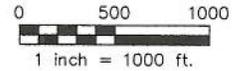


SECTION: 12  
 TOWNSHIP: 1 SOUTH  
 RANGE: 66 WEST

# WELL LOCATION CERTIFICATE

## DUCK CLUB 12W-20-8C

SHEET 1 OF 3



### 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-20-8C WELL TO BE 2408' FSL, 686' 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 2044' FSL, 2178' FEL, 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	
<b>SURFACE LOCATION:</b>	<b>LANDING POINT:</b>
LATITUDE: N39.97891	LATITUDE: N39.97799
LONGITUDE: W104.73096	LONGITUDE: W104.72566
ELEVATION: 5037	
PDDP: 1.5	<b>BOTTOM HOLE:</b>
QTR/QTR: NW4/SW4	LATITUDE: N39.97801
	LONGITUDE: W104.75998

NEAREST CULTURAL ITEMS:	
BUILDING:	1449'± W
BUILDING UNIT:	1449'± W
HIGH OCC. BLDG UNIT:	4228'± W
DES. OUTSIDE ACTIVITY AREA:	5280'+
PUBLIC ROAD:	2400'± S
ABOVE GROUND UTILITY:	685'± SW
RAILROAD:	930'± NW
PROPERTY LINE:	300'± NW



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

- 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

<b>PREPARED BY:</b> 	<b>FIELD DATE:</b> 02/01/2018 <b>DRAWING DATE:</b> 03/27/2018 <b>DRAWN BY:</b> BJP/CBS/SKY <b>CHECKED BY:</b> BJP	<b>PARCEL ID:</b> 0156900000278 <b>SURFACE LOCATION:</b> THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 12, TOWNSHIP 1 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, ADAMS COUNTY, COLORADO	<b>PREPARED FOR:</b> 
	<small>© 2015 MANHARD CONSULTING, LTD. ALL RIGHTS RESERVED</small>		<small>3/27/2018 2:38 PM Dwg Name: P:\TC0160502 - Extraction Oil &amp; Gas, LLC\200 - Duck Club Well Pad\5.0 - GIS\MXD\05. New WLCs\EOG.ACC001.00-WLC8.dwg Updated By: SYOUNG</small>

SECTION: 12  
 TOWNSHIP: 1 SOUTH  
 RANGE: 66 WEST

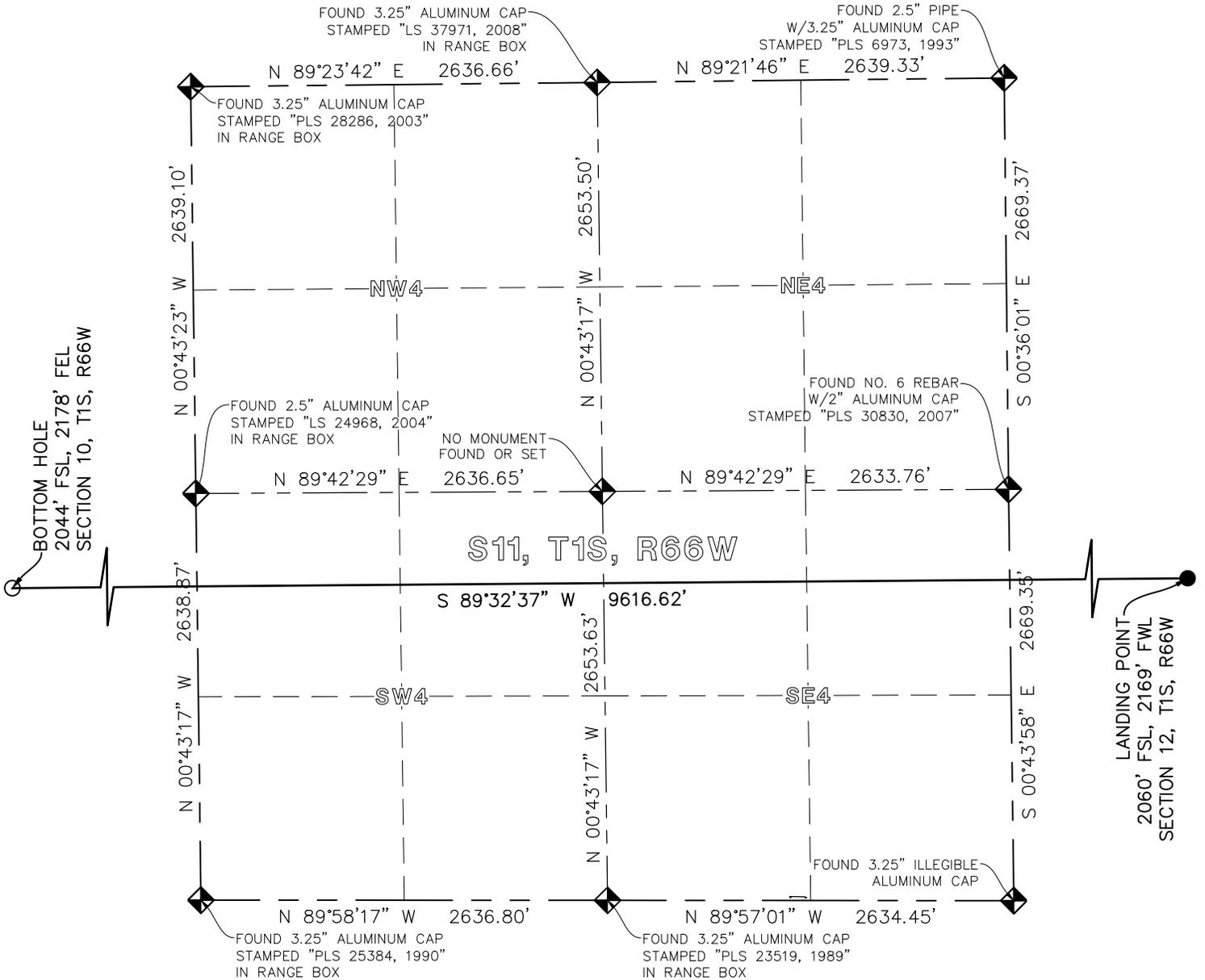
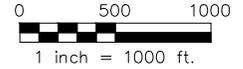
# WELL LOCATION CERTIFICATE

## DUCK CLUB 12W-20-8C

SHEET 2 OF 3

### LEGEND

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



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:

015690000278

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

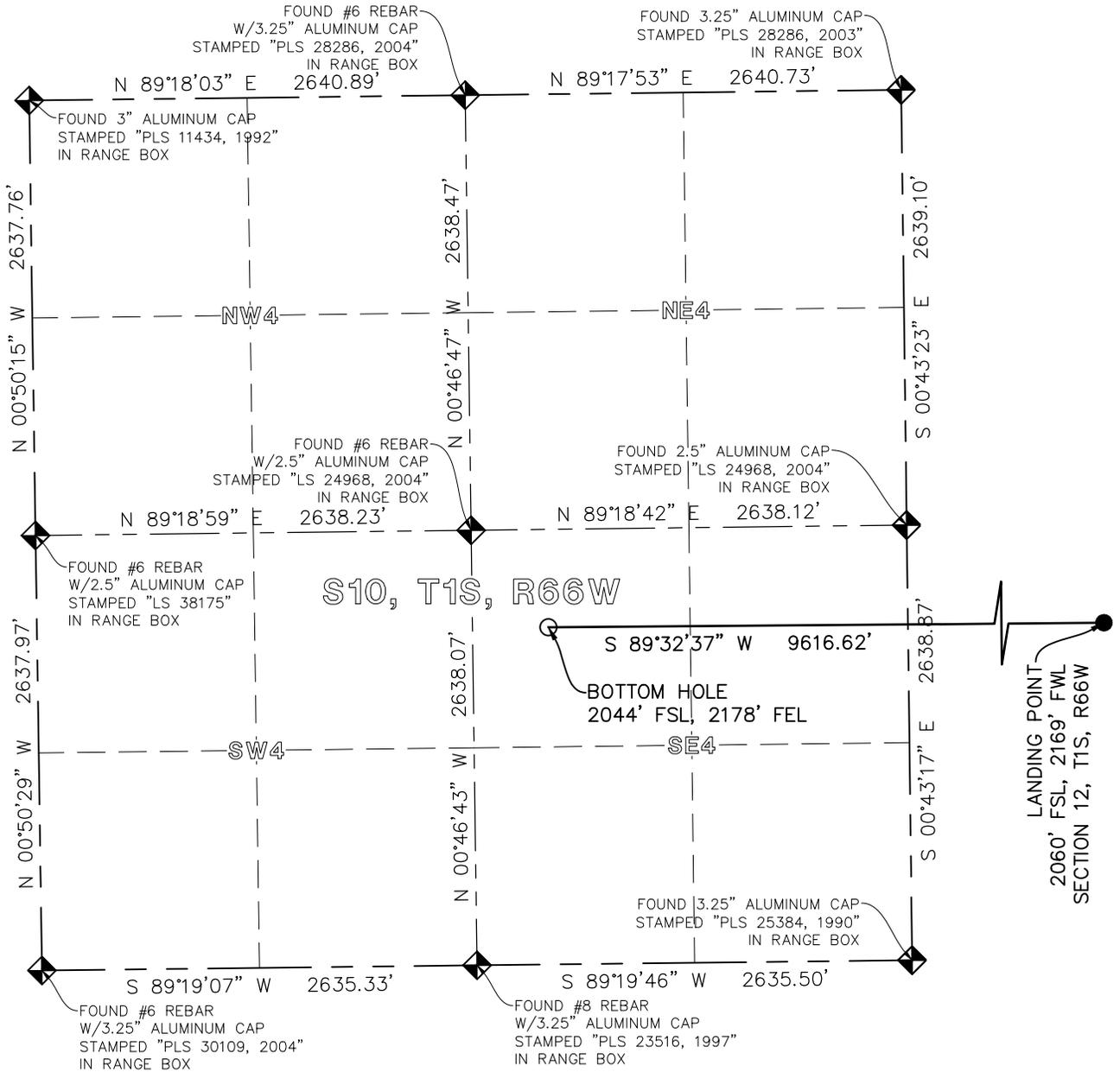
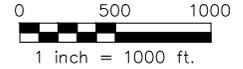
# WELL LOCATION CERTIFICATE

## DUCK CLUB 12W-20-8C

SHEET 3 OF 3

### LEGEND

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



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BJP/CBS/SKY

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PARCEL ID:

015690000278

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:

