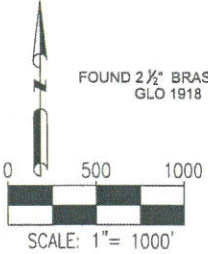
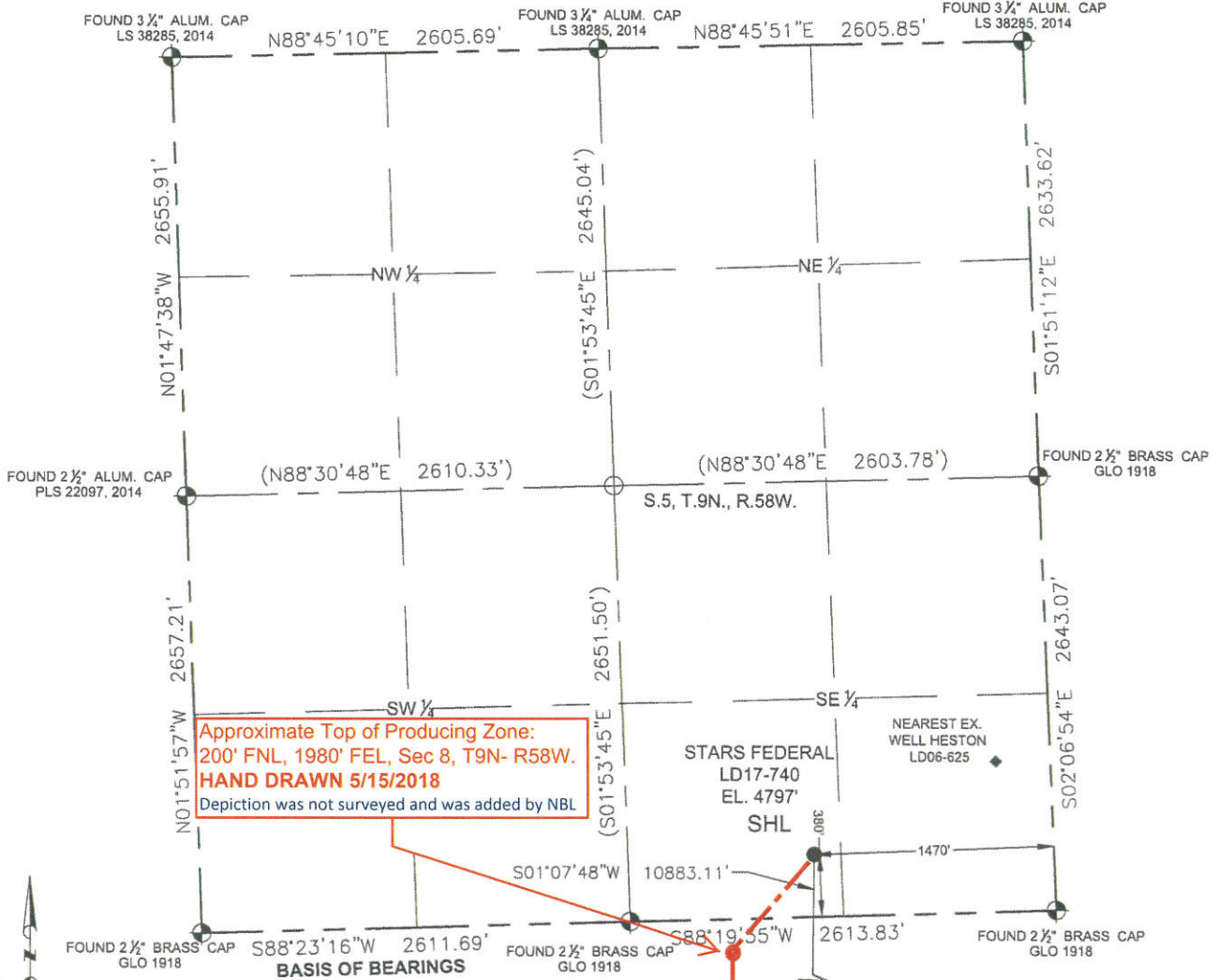


WELL LOCATION CERTIFICATE

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 5
TOWNSHIP: 9N
RANGE: 58W



In accordance with a request from Cody Ball with Noble Energy Inc. Petroleum Field Services, LLC has determined the surface location of the STARS FEDERAL LD17-740 to be 1470' from the EAST line and 380' from the SOUTH line as measured at right angles from the section line of Section 5, Township 9 North, Range 58 West of the Sixth Principal Meridian, County of Weld, State of Colorado, and the bottom hole to be 1980' from the EAST line and 140' from the SOUTH line as measured at right angles from the section line of Section 17, Township 9 North, Range 58 West of the Sixth Principal Meridian, County of Weld, State of Colorado.

- LEGEND**
- = FOUND MONUMENT
 - = CALCULATED POSITION
 - = PROPOSED WELL
 - ◆ = BOTTOM HOLE
 - ◆ = EXISTING WELL
 - (XXX.XX) = CALCULATED

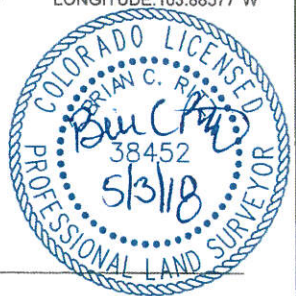
I hereby state that this Well Location Certificate was prepared by me, or under my direct supervision, that the fieldwork was completed on 10/12/16 for and on behalf of Noble Energy Inc., that this is not a Land Survey Plat or an Improvement Survey Plat, and that it is not to be relied upon for the establishment of fence, building, or other future improvement lines.

SURFACE LOCATION:
LATITUDE: 40.77415°N
LONGITUDE: 103.88428°W
PDOP: 1.4
ELEV: 4797'
1/4 1/4: SW 1/4 SE 1/4

BOTTOM HOLE:
LATITUDE: 40.74430°N
LONGITUDE: 103.88577°W

- Notes:
- 1) All bearings are Grid Bearings of the Colorado State Plane Coordinate System, North Zone, North American Datum 1983/2011. The bearing of the South line of the Southwest Quarter of Section 5 is S88°23'16"W between the monuments shown hereon. The lineal dimensions as shown herein are grid distances based upon the "U.S. Survey Foot." To get ground distances multiply shown distance by 1.000238434.
 - 2) Ground elevations are based on an observed GPS elevation (NAVD 1988 DATUM).
 - 3) NEAREST EXISTING WELL IN SECTION 05 IS: HESTON LD06-625, 1254' NE
 - 4) IMPROVEMENTS: See LOCATION DRAWING exhibit for all visible improvements within 500' of disturbed area.
 - 5) SURFACE USE: "RANGELAND"
 - 6) INSTRUMENT OPERATOR: OWEN MCKEE
 - 7) Field verification of monuments completed within 1 year of field date.

Note:
According to Colorado law, you must commence any legal action based upon any defect in this W.L.C. 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 after the date of this certification shown hereon. (13-80-105 C.R.S.)



BRIAN C. RITZ, PLS 38452
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC

SHEET 1 OF 3	
FIELD DATE:	10-12-16
DRAWING DATE:	05-02-18
DRAWN BY:	RMC
CHECKED BY:	KAD

WELL LOCATION CERTIFICATE

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 5
TOWNSHIP: 9N
RANGE: 58W

STARS FEDERAL

LD17-740
EL. 4797'

● SHL

FOUND 2 1/2" BRASS CAP
GLO 1918

FOUND 2 1/2" BRASS CAP
GLO 1918

BASIS OF BEARINGS

N88°23'16"E 2611.69'

N88°19'35"E 2613.83'

FOUND 2 1/2" BRASS CAP
GLO 1918

NW 1/4

NE 1/4

(S01°15'01"E 2658.20')

S01°21'42"E 2660.61'

FOUND 2" BRASS CAP
GLO 1918

(N88°22'47"E 2618.23')

(N88°22'47"E 2618.98')

FOUND 2 1/2" BRASS CAP
GLO 1918

S.8, T.9N., R.58W.

N01°05'48"W 2655.60'

SW 1/4

S01°07'48"W 10883.11'

S01°23'49"E 2643.57'

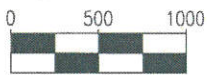
FOUND 2 1/2" ALUM. CAP
PLS 28285, 2012

S88°15'00"W 2625.41'

S88°14'56"W 2625.79'

SET 3/4" ALUM. CAP
PLS 38149, 2016

◆ BHL



SCALE: 1" = 1000'

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- (XXX.XX) = CALCULATED

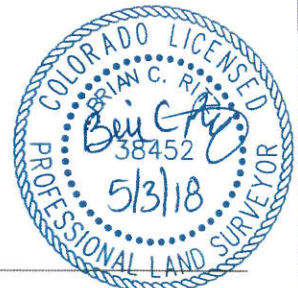
SHEET 2 OF 3

FIELD DATE: 10-12-16
DRAWING DATE: 05-02-18

DRAWN BY: RMC

CHECKED BY: KAD

Note:
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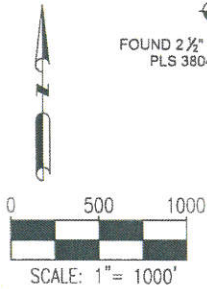
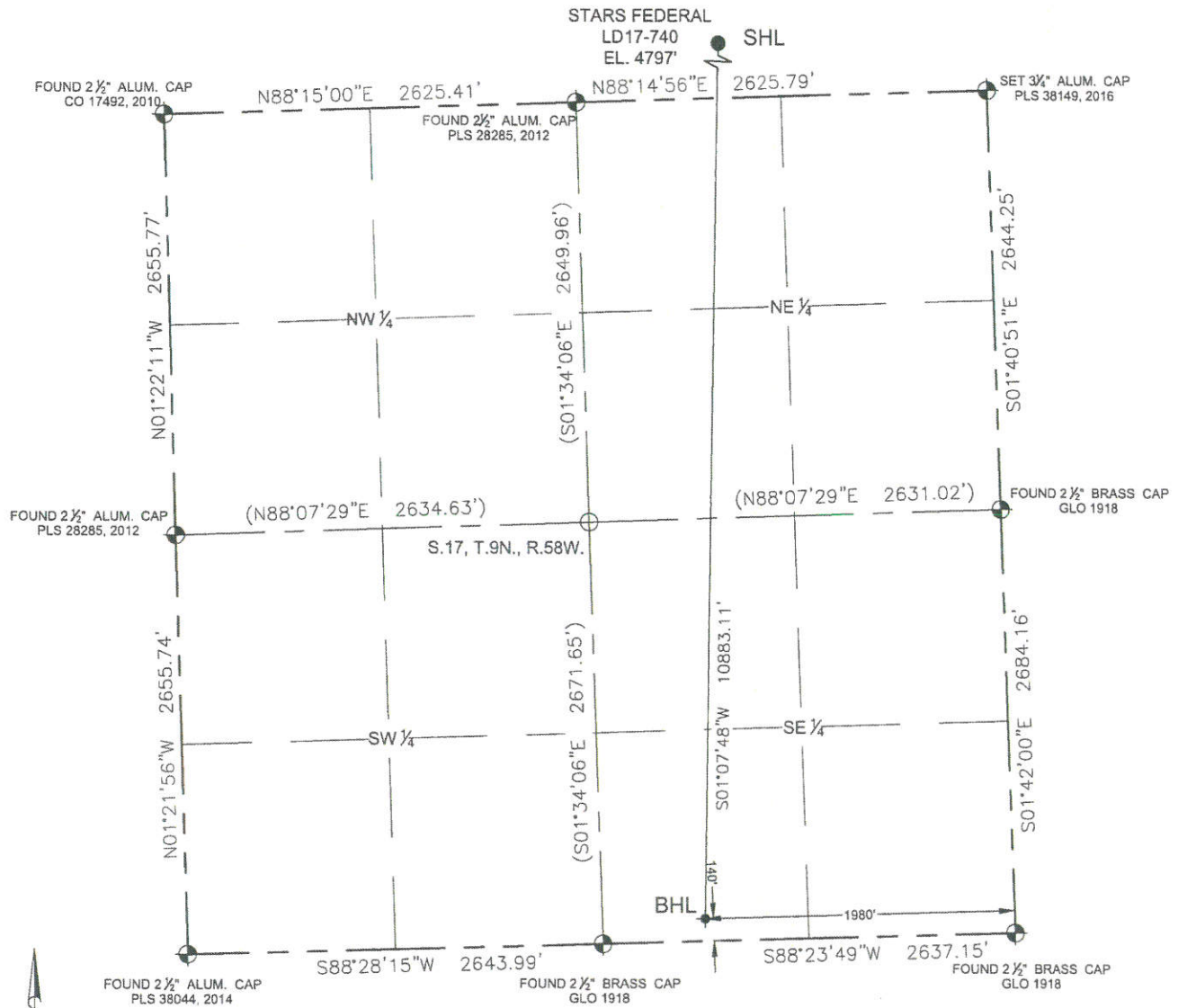


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COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
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WELL LOCATION CERTIFICATE

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SECTION: 5
TOWNSHIP: 9N
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SHEET 3 OF 3

FIELD DATE:
10-12-16

DRAWING DATE:
05-02-18

DRAWN BY:
RMC

CHECKED BY:
KAD