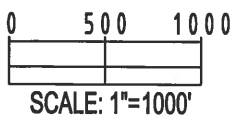
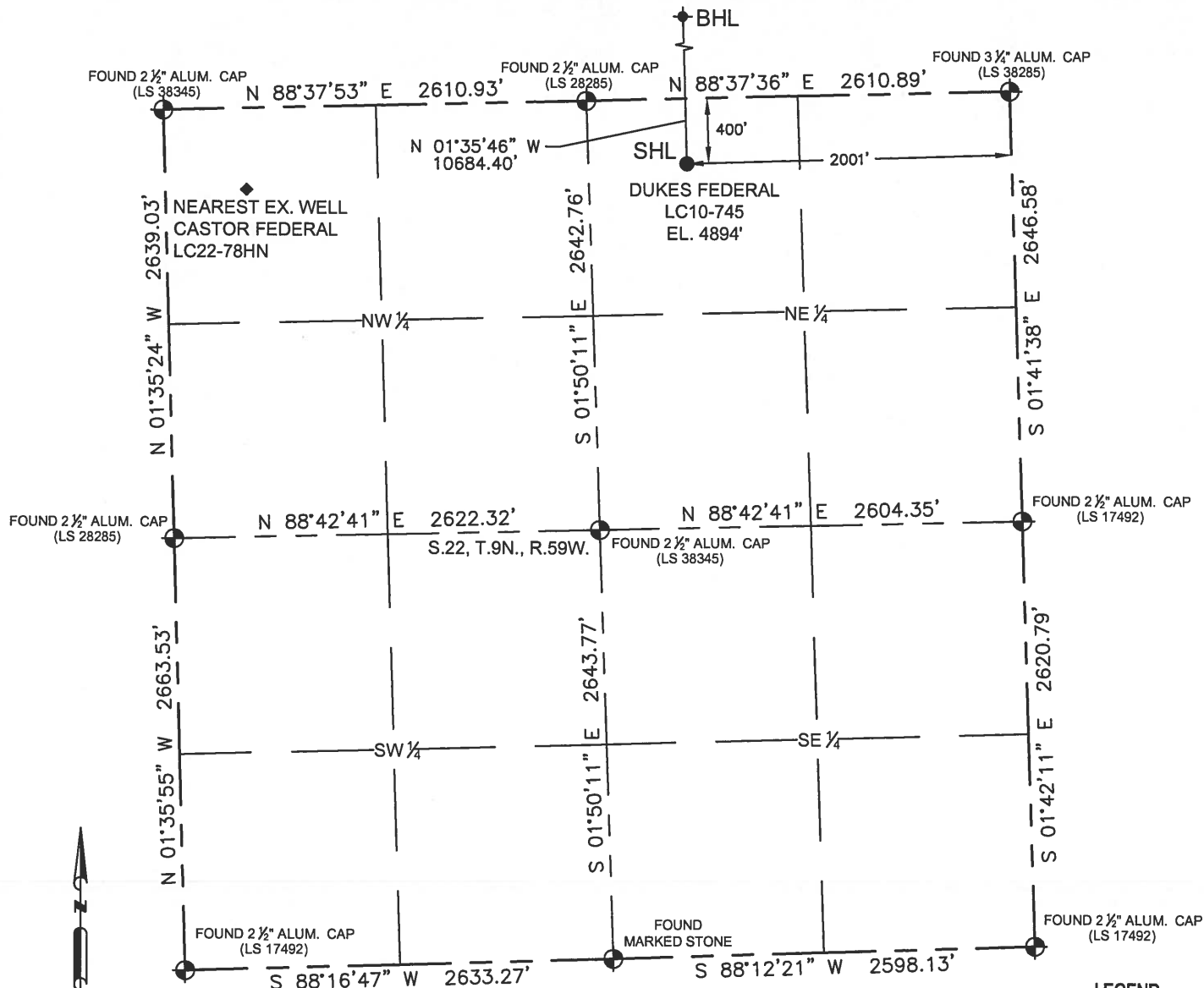


WELL LOCATION CERTIFICATE

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 22
TOWNSHIP: 9N
RANGE: 59W



In accordance with a request from Brian James with Noble Energy Inc. Petroleum Field Services, LLC has determined the surface location of the DUKES FEDERAL LC10-745 to be 400' from the NORTH line and 2001' from the EAST line as measured at right angles from the section line of Section 22, Township 9 North, Range 59 West of the Sixth Principal Meridian, County of Weld, State of Colorado, and the bottom hole to be 330' from the NORTH line and 2090' from the EAST line as measured at right angles from the section line of Section 10, Township 9 North, Range 59 West of the Sixth Principal Meridian, County of Weld, State of Colorado.

LEGEND

- = FOUND MONUMENT
- = CALCULATED POSITION
- = PROPOSED WELL
- ◆ = BOTTOM HOLE
- ◆ = EXISTING WELL

I hereby state that this Well Location Certificate was prepared by me, or under my direct supervision, that the fieldwork was completed on 07/29/15 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.

Notes:
1) Bearings shown are Grid Bearings of the Colorado State Plane Coordinate System, North Zone, North American Datum 1983/2011. The lineal dimensions as shown herein are grid distances based upon the "U.S. Survey Foot." To get ground distances, multiply shown distance by 1.000240741.

2) Ground elevations are based on an observed GPS elevation (NAVD 1988 DATUM).
3) NEAREST EXISTING WELL IN SECTION 22 IS: CASTOR FEDERAL LC22-78HN, 2722' W
4) IMPROVEMENTS: See LOCATION DRAWING exhibit for all visible improvements within 500' of disturbed area.

5) SURFACE USE: "RANGELAND"
6) INSTRUMENT OPERATOR: BEN MILIUS

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.)

NEAREST CULTURAL ITEMS:
BUILDING 3950' NW
BUILDING UNIT 4030' NW
HIGH OCCUPANCY BUILDING UNIT 5280'+
DESIGNATED OUTSIDE ACTIVITY AREA 5280'+
PUBLIC ROAD 389' N
ABOVE GROUND UTILITY 429' N
RAILROAD 5280'+
PROPERTY LINE 400' N

SURFACE LOCATION:
LATITUDE: 40.74237°N
LONGITUDE: 103.96201°W
PDOP: 1.5
ELEV: 4894'
¼ ¼: NW¼NE¼

BOTTOM HOLE:
LATITUDE: 40.77169°N
LONGITUDE: 103.96242°W

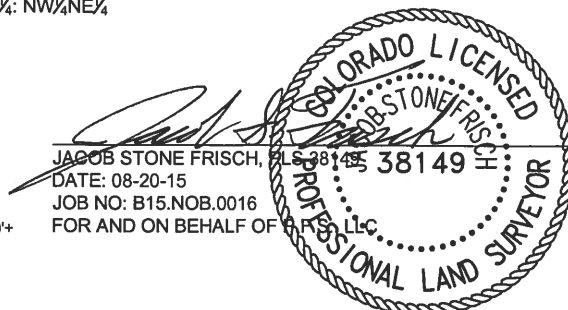
SHEET 1 OF 3

FIELD
DATE:
07-29-15

DRAWING
DATE:
08-18-15

DRAWN BY:
WDW

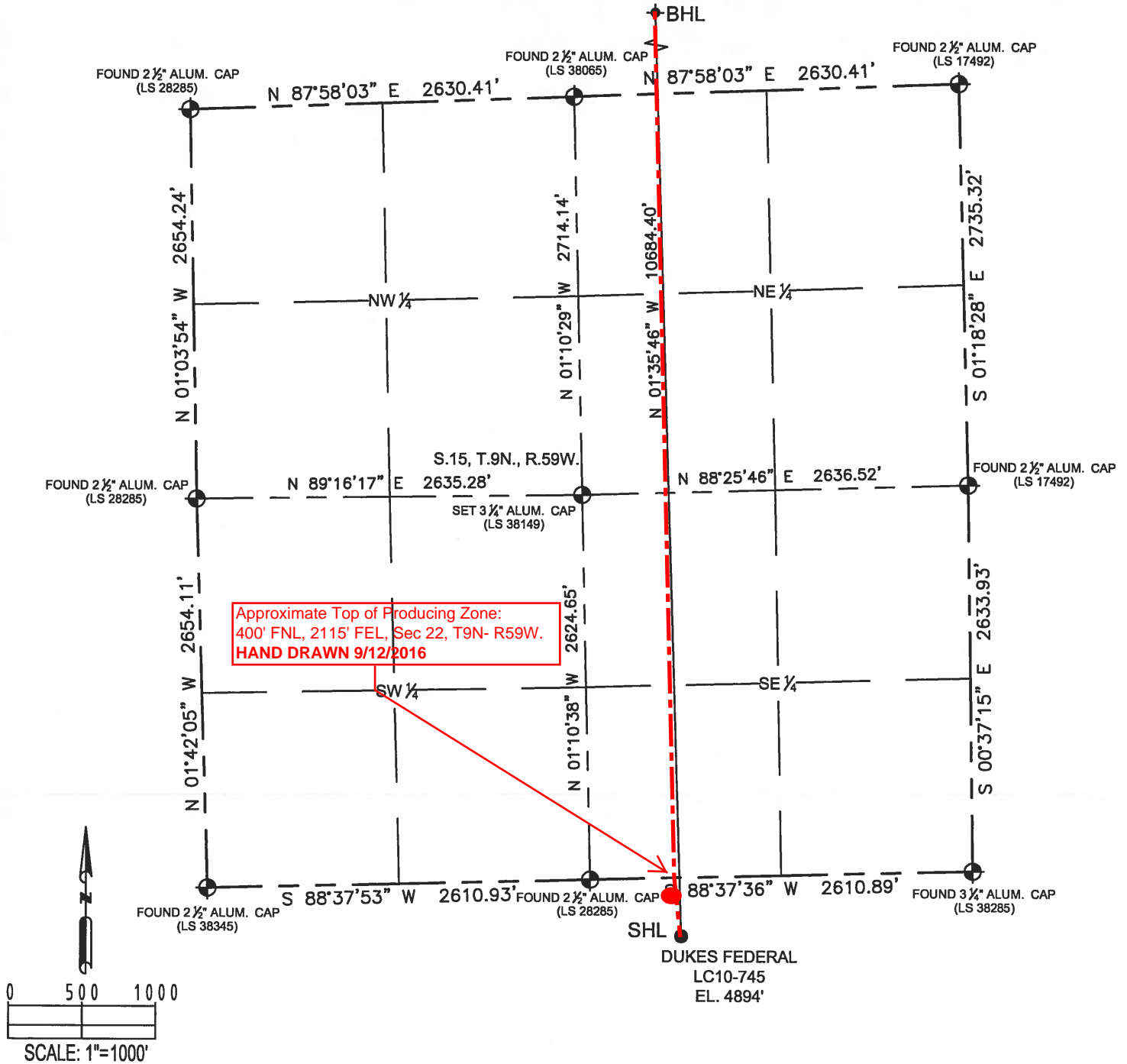
CHECKED BY:
KAD



WELL LOCATION CERTIFICATE

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 22
TOWNSHIP: 9N
RANGE: 59W



LEGEND

- = FOUND MONUMENT
- = CALCULATED POINT
- = PROPOSED WELL
- ◆ = BOTTOM HOLE
- ◆ = EXISTING WELL

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SHEET 2 OF 3

FIELD
DATE:
07-29-15

DRAWING
DATE:
08-18-15

DRAWN BY:
WDW

CHECKED BY:
KAD

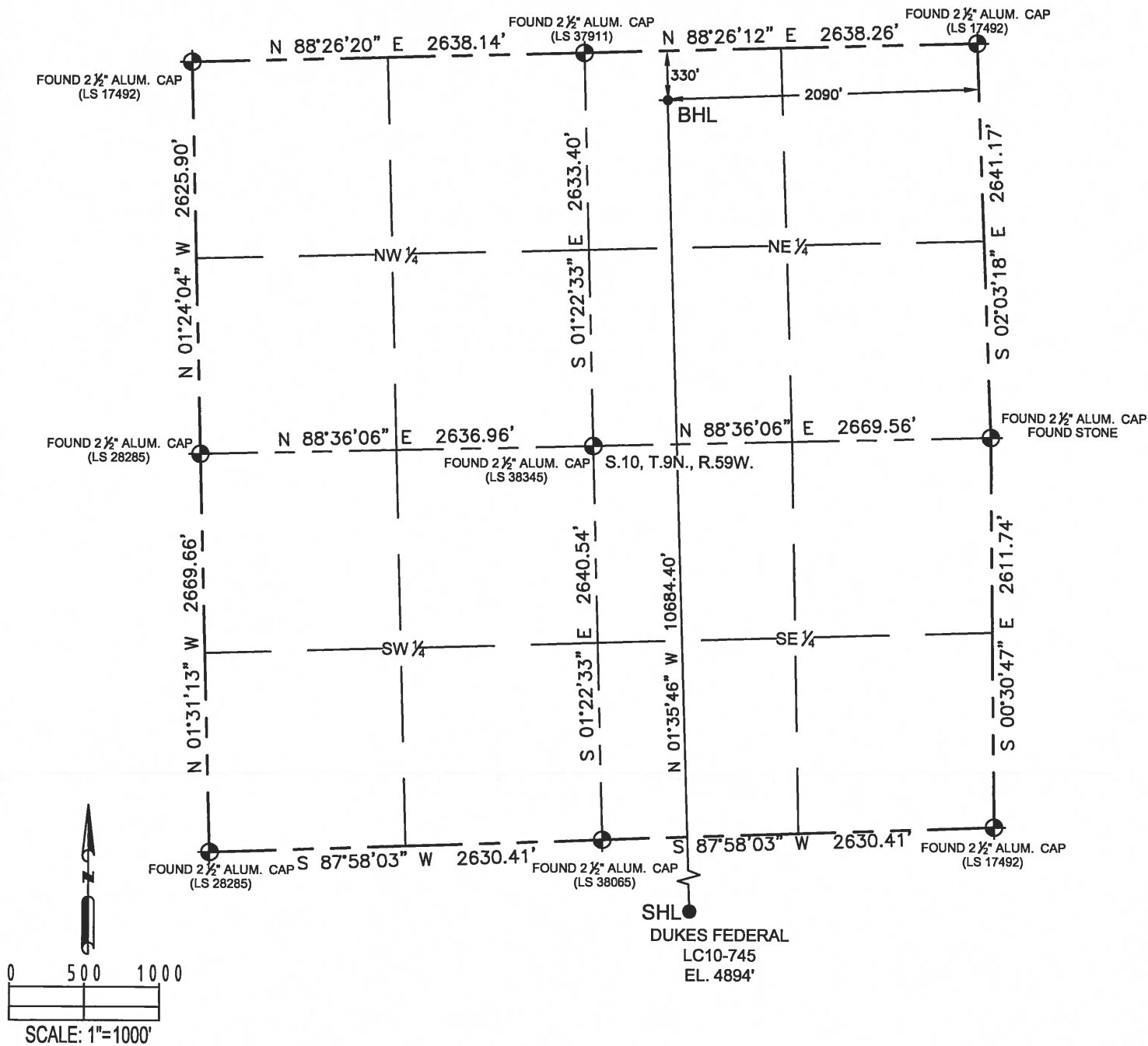
JACOB STONE FRISCH, PLS 38149
DATE: 08-20-15
JOB NO: B15.NOB.0016
FOR AND ON BEHALF OF PFS, LLC



WELL LOCATION CERTIFICATE

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 22
TOWNSHIP: 9N
RANGE: 59W



LEGEND

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- = CALCULATED POINT
- = PROPOSED WELL
- ◆ = BOTTOM HOLE
- ◆ = EXISTING WELL

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.)

SHEET 3 OF 3

FIELD
DATE:
07-29-15

DRAWING
DATE:
08-18-15

DRAWN BY:
WDW

CHECKED BY:
KAD

JACOB STONE FRISCH, LS 38149
DATE: 08-20-15
JOB NO: B15.NOB.0016
FOR AND ON BEHALF OF

