

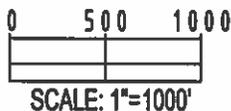
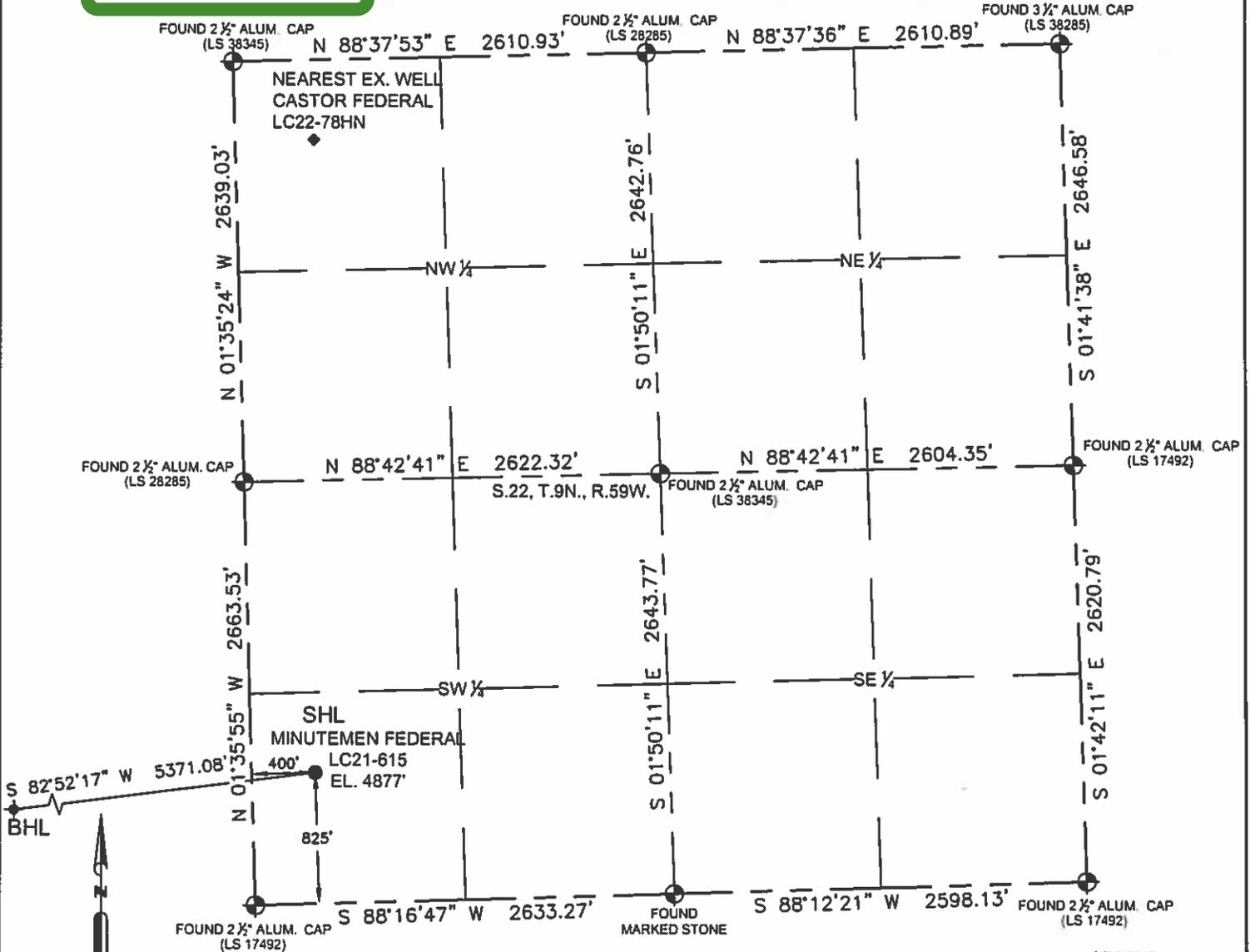
APPROVED

By Seth Gordon at 3:23 pm, 8/24/15

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 MINUTEMEN FEDERAL LC21-615 to be 825' from the SOUTH line and 400' from the WEST 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 SOUTH line and 330' from the WEST line as measured at right angles from the section line of Section 21, 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 04/22/14 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: 40.73113°N
LONGITUDE: 103.97204°W
PDOP: 1.7
ELEV: 4877'
1/4: SW1/4SW4

BOTTOM HOLE:
LATITUDE: 40.72955°N
LONGITUDE: 103.99130°W

- 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."
 - 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, 3975' N
 - 4) IMPROVEMENTS: See LOCATION DRAWING exhibit for all visible improvements within 500' of disturbed area.
 - 5) SURFACE USE: "RANGELAND"
 - 6) INSTRUMENT OPERATOR: TODD BAKEBERG

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 5280+
BUILDING UNIT 5280+
HIGH OCCUPANCY BUILDING UNIT 5280+
DESIGNATED OUTSIDE ACTIVITY AREA 5280+
PUBLIC ROAD 4464' N
ABOVE GROUND UTILITY 402' W
RAILROAD 5280+
PROPERTY LINE 400' W

SHEET 1 OF 2

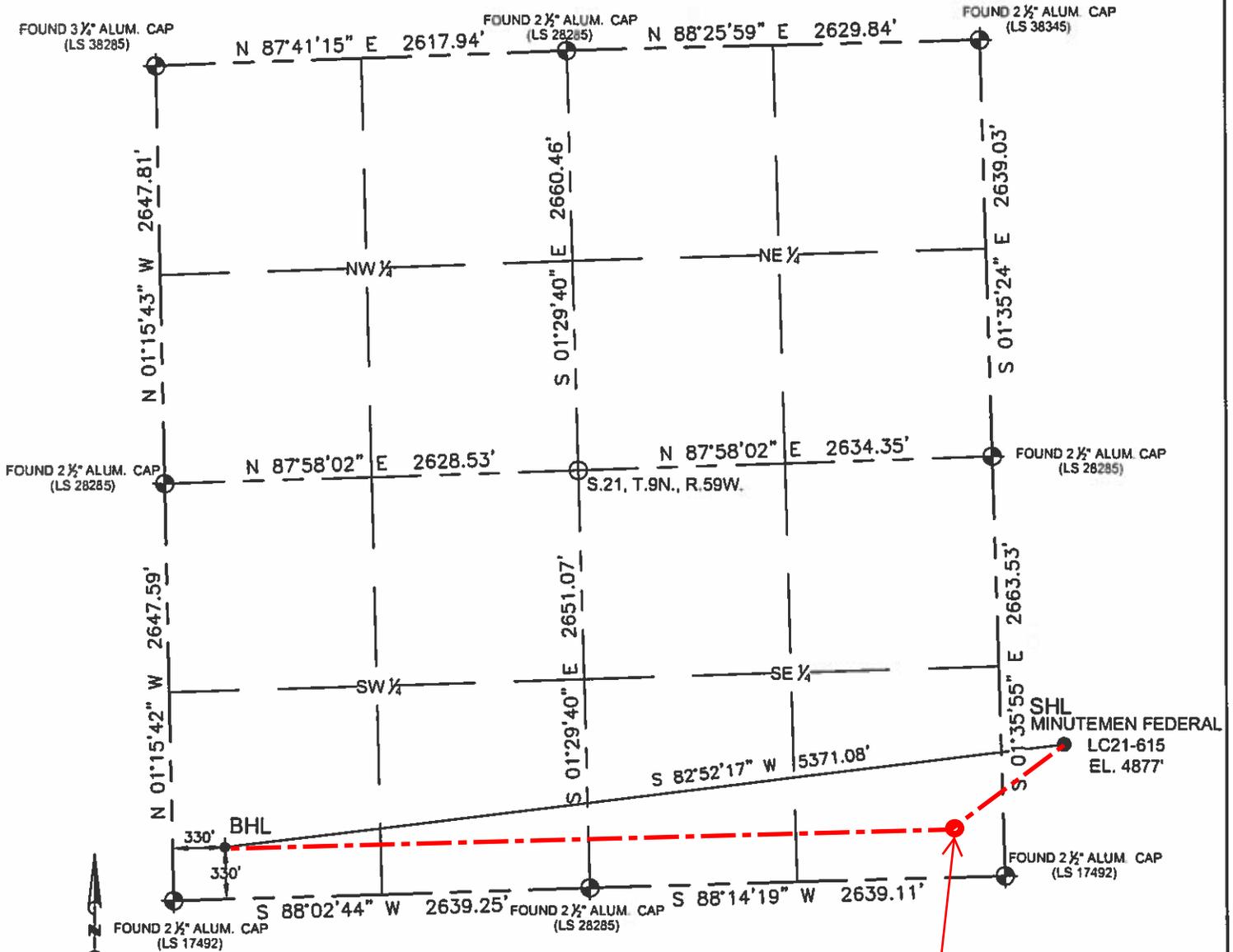
FIELD DATE: 04-22-14
DRAWING DATE: 05-22-15
DRAWN BY: KAD
CHECKED BY: TJN

Jacob Stone Frisch
JACOB STONE FRISCH, PLS 38145 38149
 DATE: 05-22-15
 JOB NO: B15.NOB.0018
 FOR AND ON BEHALF OF PFS, LLC

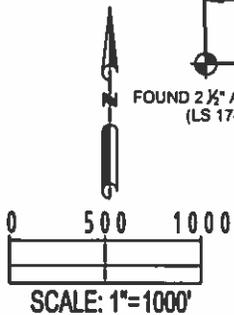
WELL LOCATION CERTIFICATE

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SECTION: 22
TOWNSHIP: 9N
RANGE: 59W



Approximate Top of Producing Zone:
330' FSL, 327' FEL, Sec 21, T9N- R59W.
HAND DRAWN 8/24/2015



LEGEND

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

SHEET 2 OF 2

FIELD DATE: 04-22-14

DRAWING DATE: 05-22-15

DRAWN BY: KAD

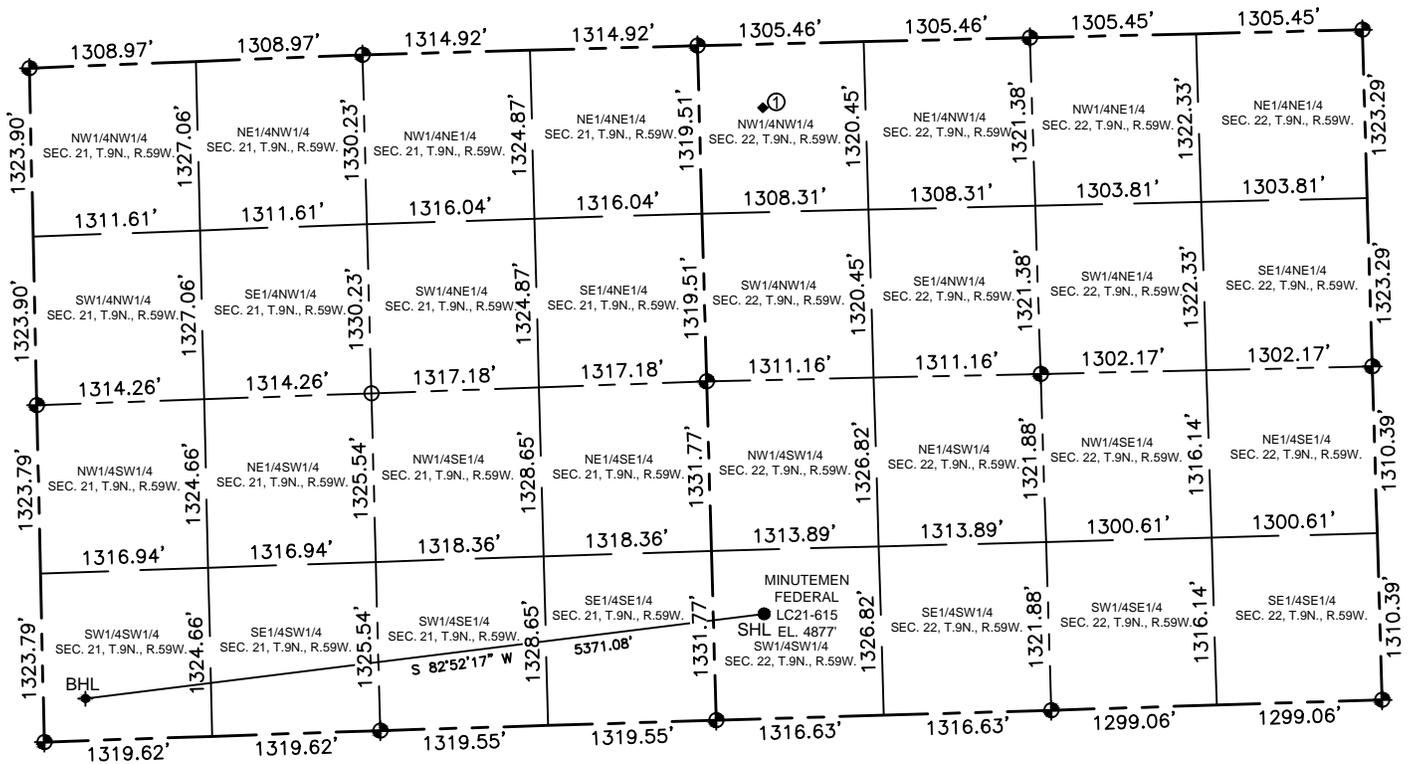
CHECKED BY: TJN

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JACOB STONE FRISCH, P.L.S. 38149 38149
 DATE: 05-22-15
 JOB NO: B15.NOB.0018
 FOR AND ON BEHALF OF PETROLEUM FIELD SERVICES, LLC

SITE SKETCH
MINUTEMEN FEDERAL LC21-615

SECTION: 22
TOWNSHIP: 9N
RANGE: 59W



FIELD DATE: 04-22-14
DRAWING DATE: 07-18-14
DRAWN BY: SMF
CHECKED BY: SMG

LEGEND

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

①

CASTOR FEDERAL
LC22-78HN
501' FNL
501' FWL
LAT: 40.74204°N
LONG: 103.97182°W
WELL STATUS: PR

