

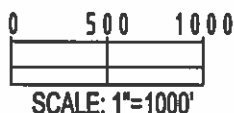
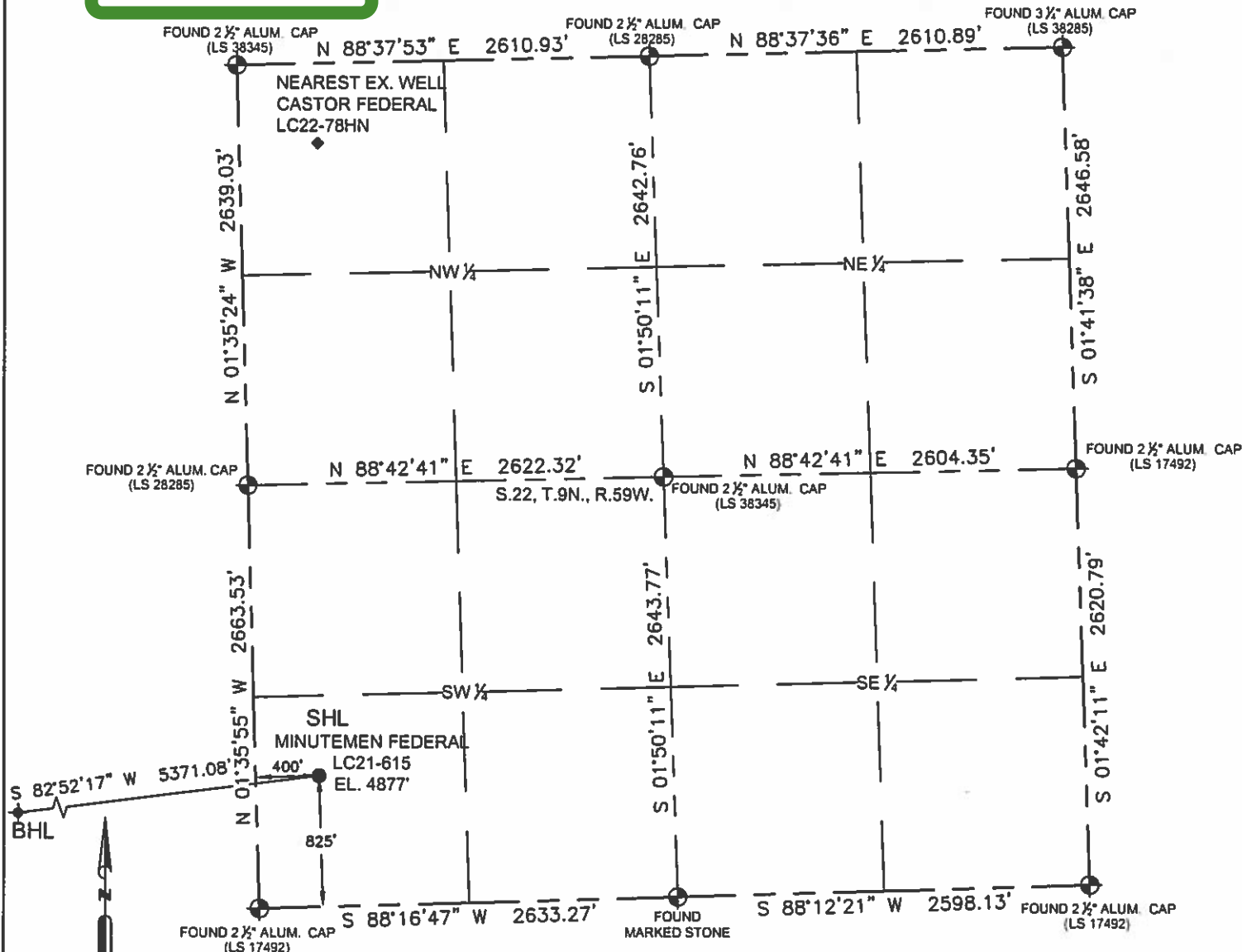
**APPROVED**

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.

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.

**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

**SURFACE LOCATION:**  
LATITUDE: 40.73113°N  
LONGITUDE: 103.97204°W  
PDOP: 1.7  
ELEV: 4877'  
1/4 SW 1/4 SW 1/4

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

**LEGEND**

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

SHEET 1 OF 2

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

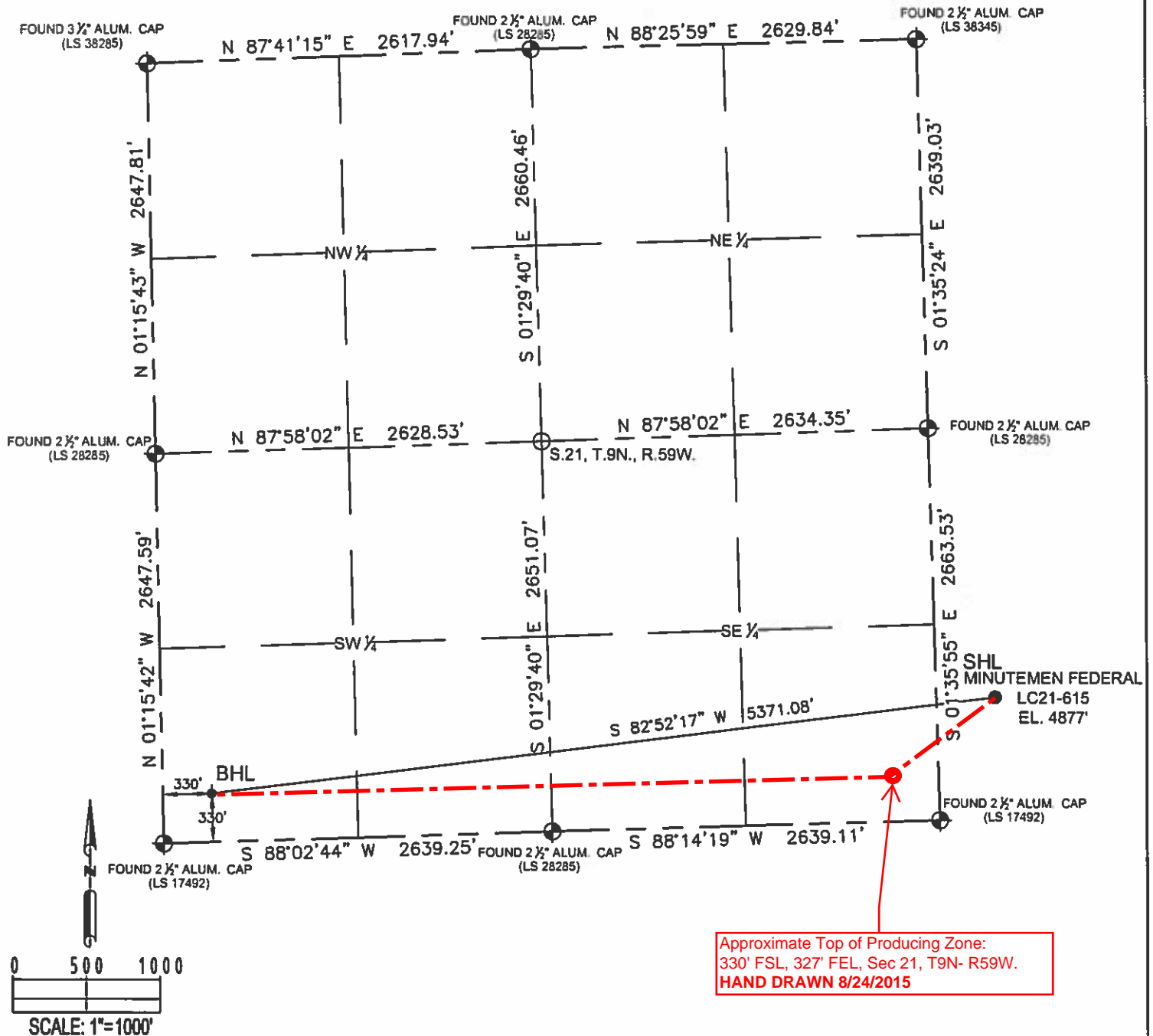
*Jacob Stone Frisch*  
JACOB STONE FRISCH, PLS 38145 38149  
DATE: 05-22-15  
JOB NO: B15.NOB.0018  
FOR AND ON BEHALF OF PFS, LLC



# WELL LOCATION CERTIFICATE

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 22  
TOWNSHIP: 9N  
RANGE: 59W



## LEGEND

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

SHEET 2 OF 2

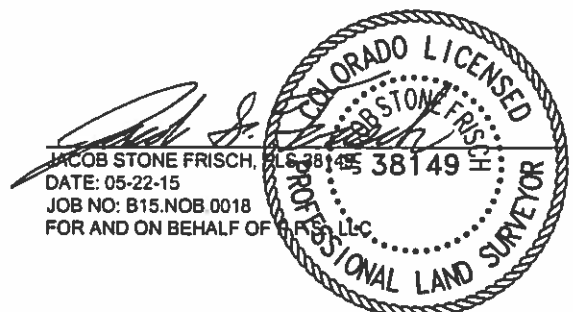
FIELD  
DATE:  
04-22-14

DRAWING  
DATE:  
05-22-15

DRAWN BY:  
KAD

CHECKED BY:  
TJN

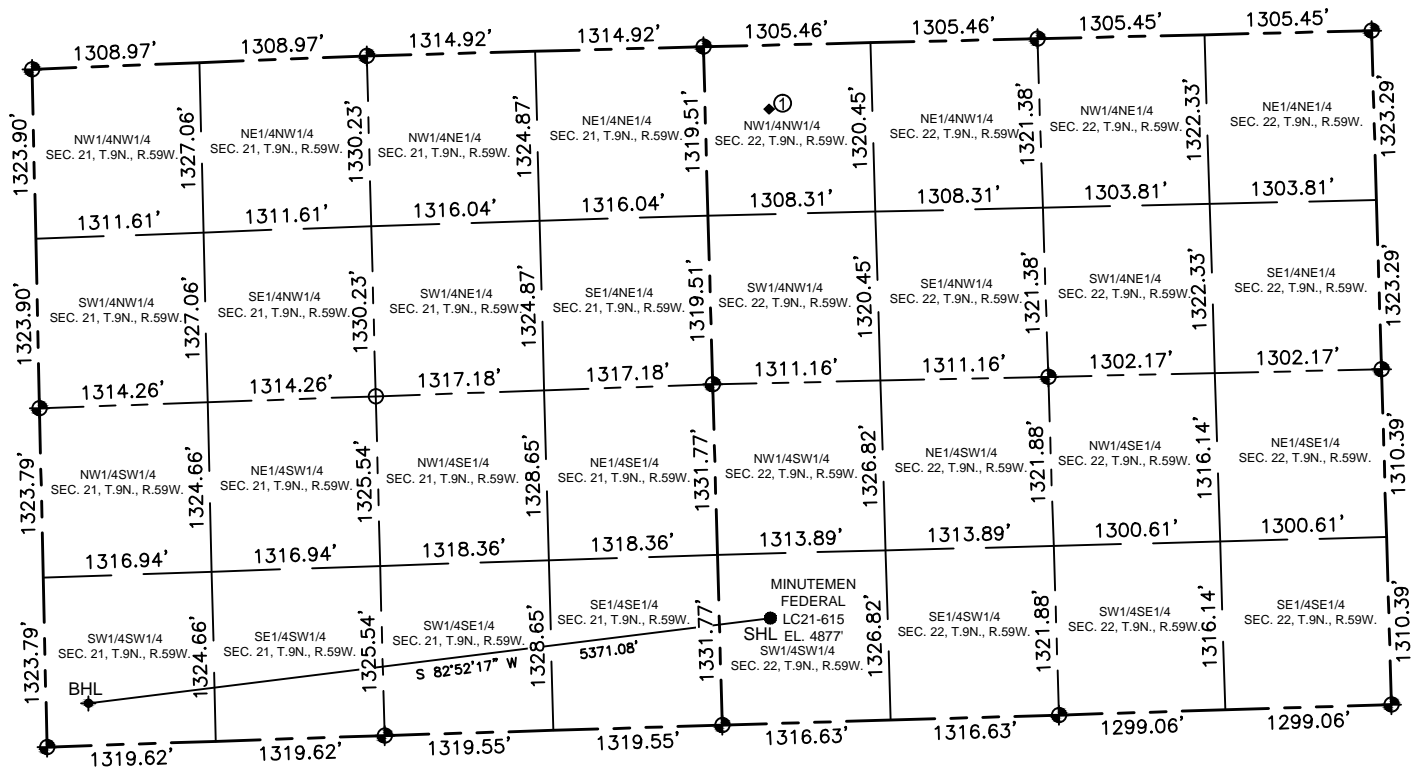
Note:  
According to Colorado law, you must commence any legal action based upon any defect in this W.L.C. within three years after you first discover such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years after the date of this certification shown hereon. (13-80-105 C.R.S.)



# 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

