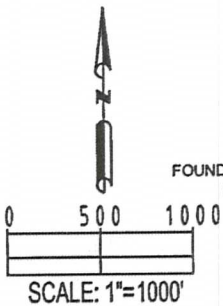
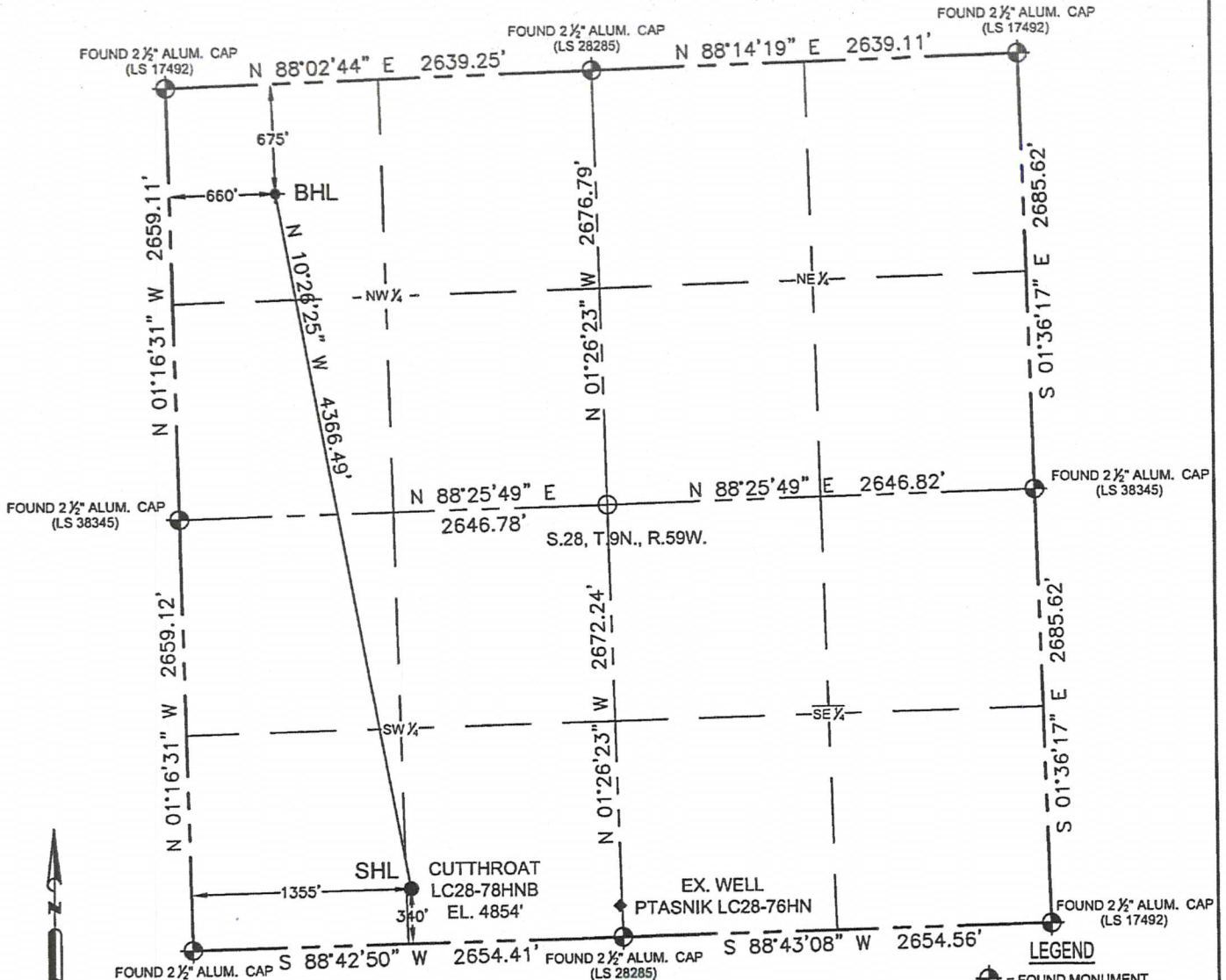


# WELL LOCATION CERTIFICATE

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 28  
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 CUTTHROAT LC28-78HNB to be 340' from the SOUTH line and 1355' from the WEST line and the bottom hole to be 675' from the NORTH line and 660' from the WEST line as measured at right angles from the section line of Section 28, 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 10-01-13 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: 40.71499°N  
LONGITUDE: 103.98751°W  
PDOP: 1.2  
ELEV: 4854'  
¼: SE¼SW¼

**BOTTOM HOLE:**  
LATITUDE: 40.72681°N  
LONGITUDE: 103.99010°W

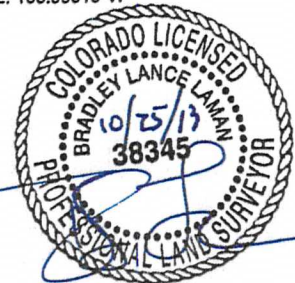
**Notes:**  
1) Bearings shown are Grid Bearings of the Colorado State Plane Coordinate System, North Zone, North American Datum 1983/2011. The lineal dimensions as shown herein are grid distances based upon the "U.S. Survey Foot".

- 2) Ground elevations are based on an observed GPS elevation (NAVD 1988 DATUM).
- 3) NEAREST EXISTING WELL IN SECTION 28 IS: PTASNIK LC28-76HN, 1295' SE
- 4) IMPROVEMENTS: See LOCATION DRAWING exhibit for all visible improvements within 500' of disturbed area.
- 5) SURFACE USE: RANGELAND
- 6) INSTRUMENT OPERATOR: BART PFEIFER

**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 herein. (13-80-105 C.R.S.)

**NEAREST CULTURAL ITEMS:**  
BUILDING 5280+  
BUILDING UNIT 5280+  
HIGH OCCUPANCY BUILDING UNIT 1000+  
DESIGNATED OUTSIDE ACTIVITY AREA 1000+  
PUBLIC ROAD 3979' SE (WCR 115)  
ABOVE GROUND UTILITY 3983' E  
RAILROAD 5280+  
PROPERTY LINE 340' S

BRADLEY L. LAMAN, PLS 38345  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC



**FIELD DATE:**  
10-01-13

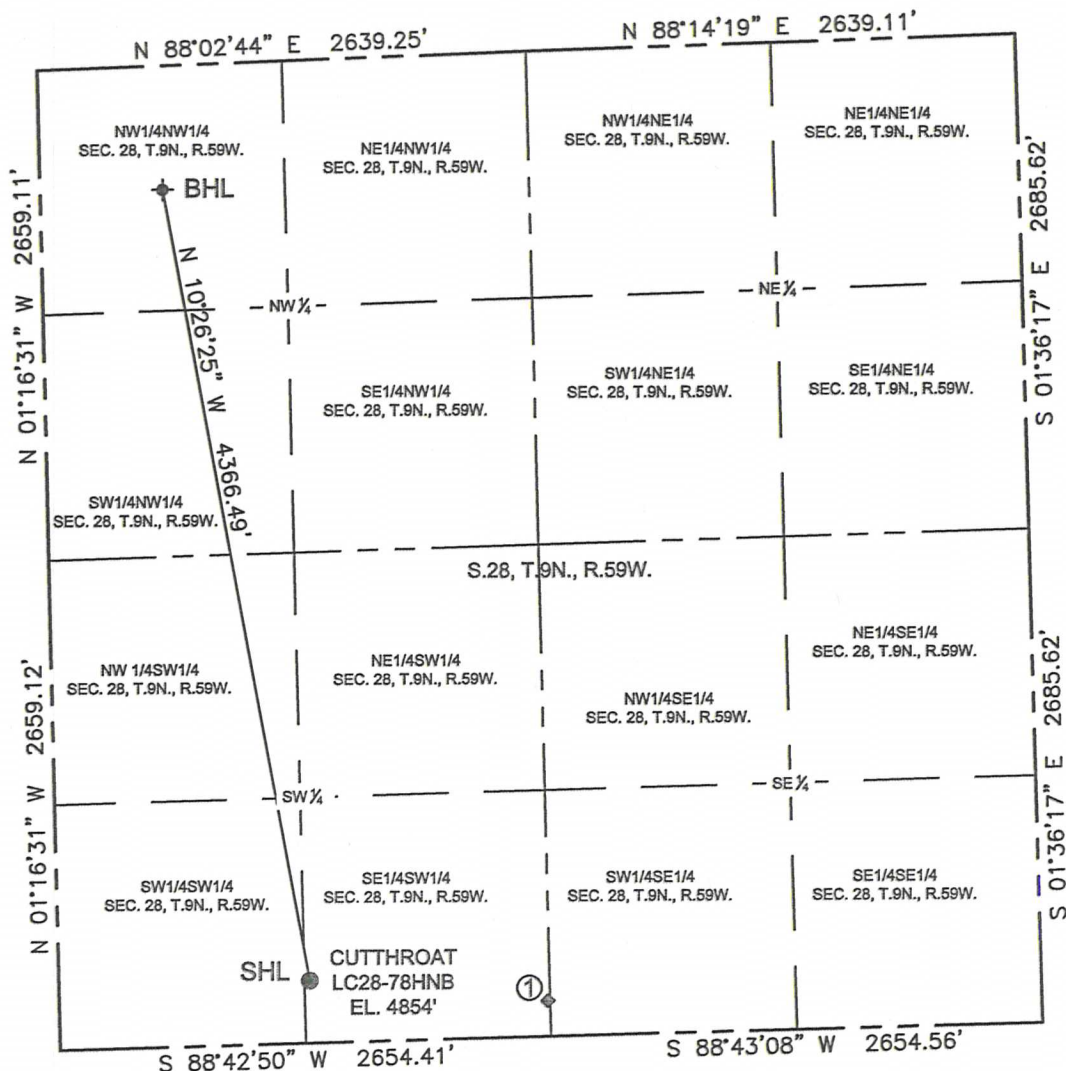
**DRAWING DATE:**  
10-24-13

**DRAWN BY:**  
CLM

**CHECKED BY:**  
JAH

**SITE SKETCH**  
CUTTHROAT LC28-78HNB

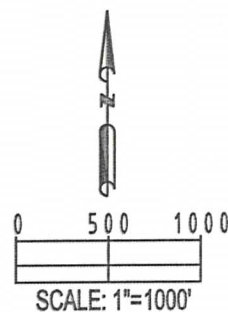
SECTION: 28  
TOWNSHIP: 9N  
RANGE: 59W



①  
PTASNIK  
LC28-76HN  
194' FSL  
2642' FWL  
LAT-40.71461°N  
LONG-103.98286°W  
WELL STATUS: PR

**LEGEND**

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



FIELD DATE: 10-01-13
DRAWING DATE: 10-10-13
DRAWN BY: CLM
CHECKED BY: TJN