

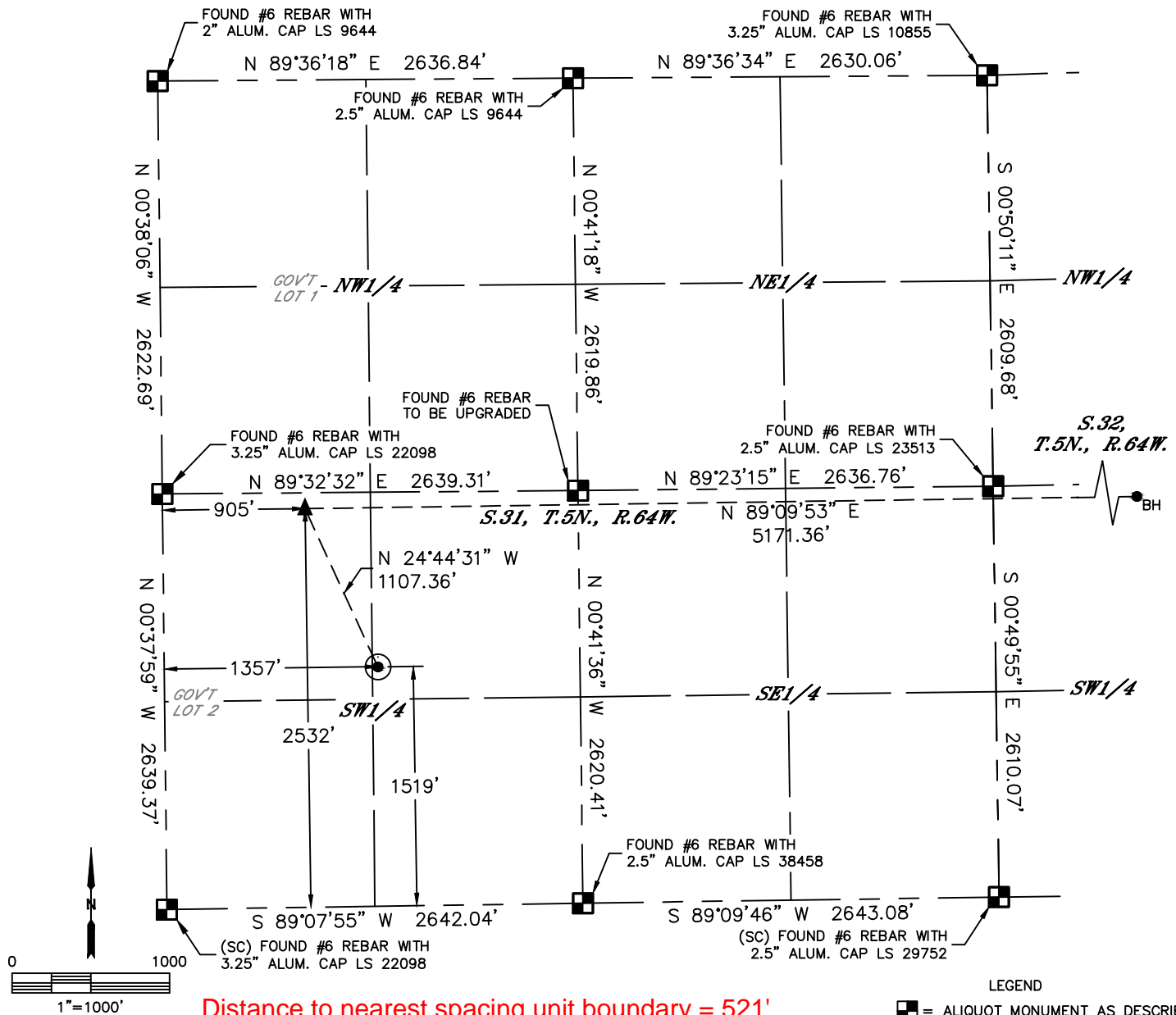


Lat40°, Inc. 6250 W. 10th Street, Unit 2, Greeley, CO 970-515-5294

# WELL LOCATION CERTIFICATE

THISTLE DOWN 31G-402

SECTION: 31  
TOWNSHIP: 5N  
RANGE: 64W  
6TH. P.M.  
WELD COUNTY, CO



|                                    |          |           |          |                         |                        |           |
|------------------------------------|----------|-----------|----------|-------------------------|------------------------|-----------|
| CLIENT: PDC ENERGY, INC.           |          |           |          | LANDMAN: JEFF HINDMARSH |                        |           |
| INSTRUMENT OPERATOR: DAVID BRANDON |          |           |          | SURVEY DATE: 5/23/2017  | SURFACE USE: RANGELAND |           |
| SHL FOOTAGE                        | SHL LAT° | SHL LONG° | SHL PDOP | SHL ELEV (FT.)          | SHL 1/4/1/4            | SHL S-T-R |
| 1519                               | FSL      | 1357      | FWL      | 40.35260                | -104.59717             | 2.6       |

|             |          |           |           |          |            |          |
|-------------|----------|-----------|-----------|----------|------------|----------|
| BHL FOOTAGE | BHL LAT° | BHL LONG° | BHL S-T-R | EP LAT°  | EP LONG°   | EP S-T-R |
| 2532        | FSL      | 800       | FWL       | 40.35544 | -104.58024 | 32-5-64  |

| NEAREST CULTURAL ITEMS           |           |
|----------------------------------|-----------|
| BUILDING                         | ±1310' SW |
| BUILDING UNIT                    | ±1310' SW |
| HIGH OCCUPANCY BUILDING UNIT     | 5280'+    |
| DESIGNATED OUTSIDE ACTIVITY AREA | 5280'+    |
| PUBLIC ROAD (COUNTY ROAD 49)     | ±1338' W  |
| ABOVE GROUND UTILITY             | ±1078' N  |
| RAILROAD                         | 5280'+    |
| PROPERTY LINE                    | ±454' N   |

NOTE:  
1) Bearings shown are Grid Bearings of the Colorado State Plane Coordinate System, North Zone, North American Datum 1983. The lineal dimensions as contained herein are based upon the "U.S. Survey Foot."  
2) Distances to section lines measured at 90 degrees from said section lines.  
3) Ground elevations are based on an observed GPS elevation (NAVD 1988 DATUM).  
4) Latitude and Longitude shown are (NAD 83 DATUM).  
5) IMPROVEMENTS: See LOCATION DRAWING for all visible improvements within 500' of oil and gas location.  
6) This map does not represent a boundary survey.

- LEGEND
- = ALIQUOT MONUMENT AS DESCRIBED
  - = CALCULATED POSITION
  - = SURFACE HOLE LOCATION (SHL)
  - ▲ = ENTRY POINT LOCATION (EP)
  - BH = BOTTOM HOLE LOCATION (BHL)
  - ⊙ = EXISTING WELL
  - ⊙ = ABANDONED WELL



SHEET 1 OF 2

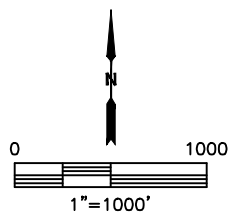
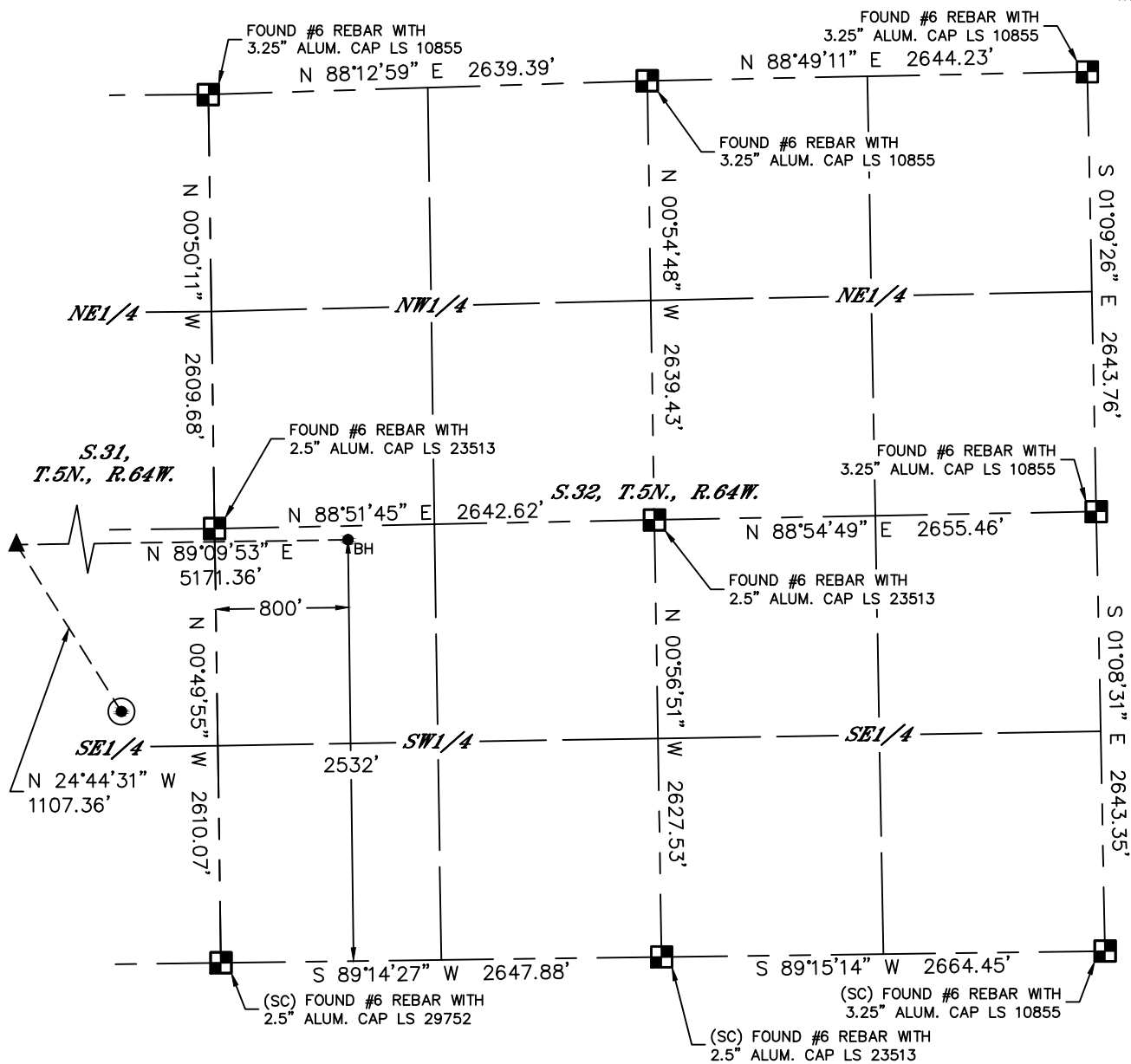
Brian T. Brinkman—On behalf of Lat40°, Inc.  
Colorado Licensed Professional Land Surveyor No. 38175  
DATE: 7/11/2017  
PROJECT#: 2016074

Lat40°, Inc. 6250 W. 10th Street, Unit 2, Greeley, CO 970-515-5294








# WELL LOCATION CERTIFICATE

THISTLE DOWN 31G-402

SECTION: 31  
TOWNSHIP: 5N  
RANGE: 64W  
6TH. P.M.  
WELD COUNTY, CO



### LEGEND

-  = ALIQUOT MONUMENT AS DESCRIBED  
 = CALCULATED POSITION  
 = SURFACE HOLE LOCATION (SHL)  
 = ENTRY POINT LOCATION (EP)  
 = BOTTOM HOLE LOCATION (BHL)  
 = EXISTING WELL  
 = ABANDONED WELL



*SHEET 2 OF 2*

Brian T. Brinkman—On behalf of E&F40, Inc.  
Colorado Licensed Professional Land Surveyor No. 38175  
DATE: 7/11/2017  
PROJECT#: 2016074