

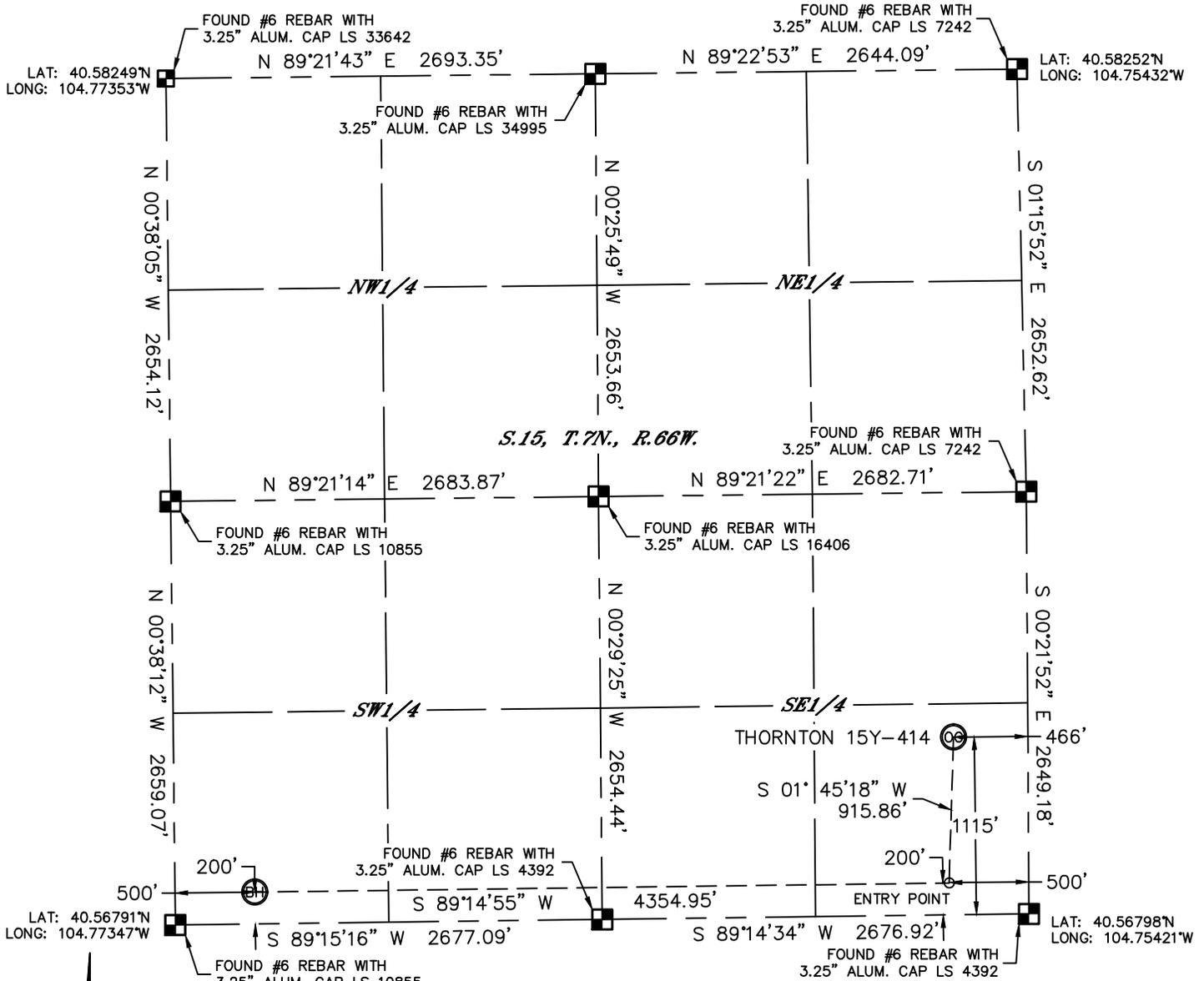


Lat40°, Inc. 1635 Foxtrail Drive, Suite 325 Loveland, CO 970-776-3321

WELL LOCATION CERTIFICATE

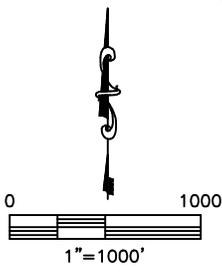
SECTION: 15
TOWNSHIP: 7N
RANGE: 66W

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY



In accordance with a request from Jeff Dillingham with PDC ENERGY Lat40°, Inc. has determined the surface location of the THORNTON 15Y-414 to be 1115' from the SOUTH line and 466' from the EAST line and the bottom hole to be 200' from the SOUTH line and 500' from the WEST line as measured at right angles from the section lines of Section 15, Township 7 North, Range 66 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 6/13/2013, for and on behalf of PDC ENERGY. That this is not a Land Survey Plat or an Improvement Survey Plat, and that it is not to be relied upon for establishment of fence, building, or other future improvement lines.



NOTE:

- 1) Bearings shown are Grid Bearings of the Colorado State Plane Coordinate System, North Zone, North American Datum 1983/2007. The lineal dimensions as contained herein are based upon the "U.S. Survey Foot."
- 2) Ground elevations are based on an observed GPS elevation (NAVD 1988 DATUM).
- 3) IMPROVEMENTS: See LOCATION DRAWING for all visible improvements within 400' of disturbed area.
- 4) SURFACE USE: CROPLAND
- 5) INSTRUMENT OPERATOR: BRIAN BONIFACE

SURFACE LOCATION

LAT: 40.57103°N
LONG: 104.75588°W
PDOP: 2.0
ELEV: 4921'
1/4,1/4: SE1/4SE1/4
NEAREST PROPERTY LINE: 151' E

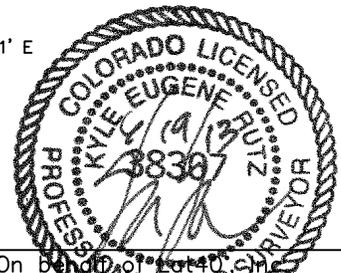
BOTTOM HOLE

LAT: 40.56846°N
LONG: 104.77168°W
1/4,1/4: SW1/4SW1/4

ENTRY POINT

LAT: 40.56852°N
LONG: 104.75601°W
1/4,1/4: SE1/4SE1/4

- LEGEND**
- = ALIQUOT MONUMENT AS DESCRIBED
 - = CALCULATED POSITION



Kyle E. Rutz—On behalf of Lat40, Inc.
Colorado Licensed Professional Land Surveyor No. 38307
PROJECT#: 2013084

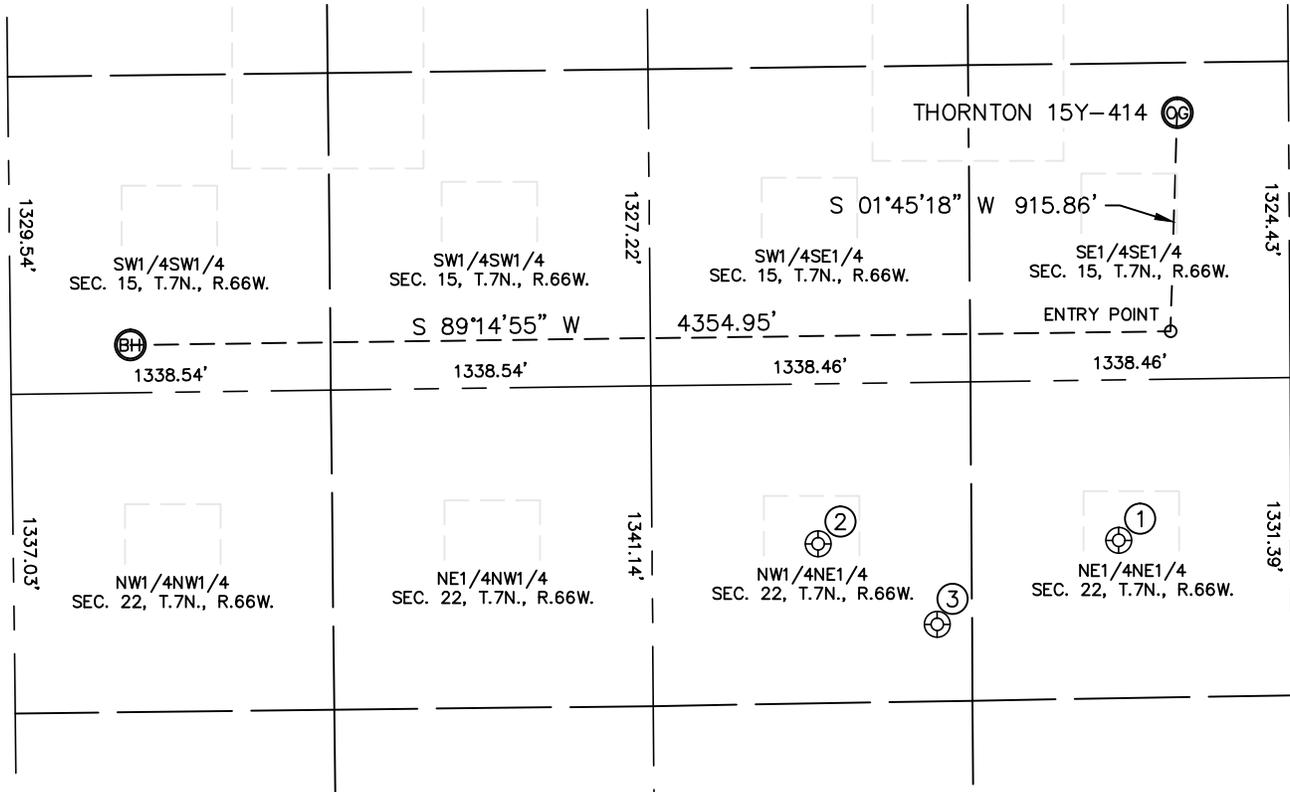
NOTE
According to Colorado law, you must commence any legal action based upon any defect in this W.L.C. within three years after you discover such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years after the date of the certificate shown hereon.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



SITE SKETCH

THORNTON 15Y-414

SECTION: 15
TOWNSHIP: 7N
RANGE: 66W



①
HERRELL 1-22
NE1/4NE1/4
672' FNL
721' FEL
LAT-40.56612°N
LONG-104.75681°W
PDOP: 1.6
ELEV: 4908'

②
HERRELL 2-22
NW1/4NE1/4
672' FNL
1979' FEL
LAT-40.56611°N
LONG-104.76134°W
PDOP: 1.6
ELEV: 4922'

③
HERRELL 17-22
NW1/4NE1/4
1015' FNL
1483' FEL
LAT-40.56517°N
LONG-104.75956°W
PDOP: 1.6
ELEV: 4922'

