

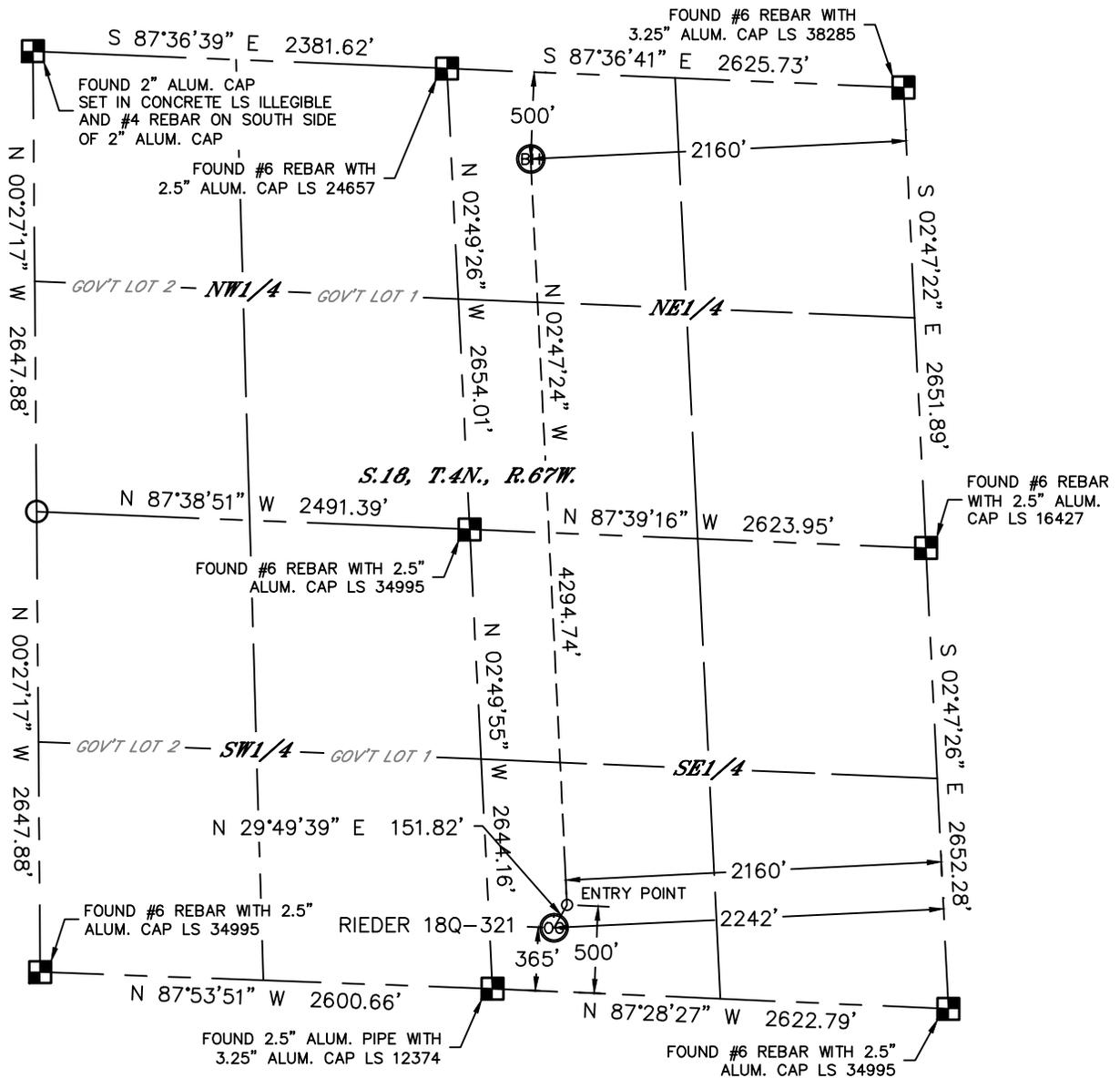


Lat40°, Inc. 1635 Foxtrail Drive, Suite 325 Loveland, CO 970-776-3321

WELL LOCATION CERTIFICATE

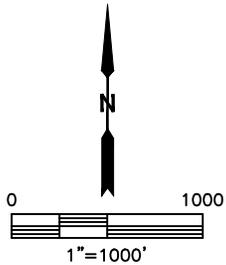
THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 18
TOWNSHIP: 4N
RANGE: 67W



In accordance with a request from Mac Neumann with PDC ENGERY Lat40°, Inc. has determined the surface location of the RIEDER 18Q-321 to be 365' from the SOUTH line and 2242' from the EAST line and the bottom hole to be 500' from the NORTH line and 2160' from the EAST line as measured at right angles from the section lines of Section 18, Township 4 North, Range 67 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 6/26/2014, for and on behalf of PDC ENGERY. 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. 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 500' of disturbed area.
- 4) SURFACE USE: CROP LAND
- 5) INSTRUMENT OPERATOR: ADAM KELLY
- 6) NEAREST CULTURAL ITEMS:
 BUILDING: ±555' SE
 BUILDING UNIT: ±756' SE
 HIGH OCCUPANCY BUILDING UNIT: 5280'+
 DESIGNATED OUTSIDE ACTIVITY AREA: 5280'+
 PUBLIC ROAD: (CR 44) 349' S
 ABOVEGROUND UTILITY: 392' S
 RAILROAD: 5280'+
 PROPERTY LINE: 365' S

SURFACE LOCATION

LAT: 40.30721°N
 LONG: 104.93113°W
 PDOP: 1.7
 ELEV: 4812'
 1/4,1/4: SWSE

BOTTOM HOLE

LAT: 40.31935°N
 LONG: 104.93151°W

ENTRY POINT

LAT: 40.30757°N
 LONG: 104.93086°W

LEGEND

- = ALIQUOT MONUMENT AS DESCRIBED
- = CALCULATED POSITION



Kyle E. Rutz—On behalf of Lat40°, Inc.
 Colorado Licensed Professional
 Land Surveyor No. 38307

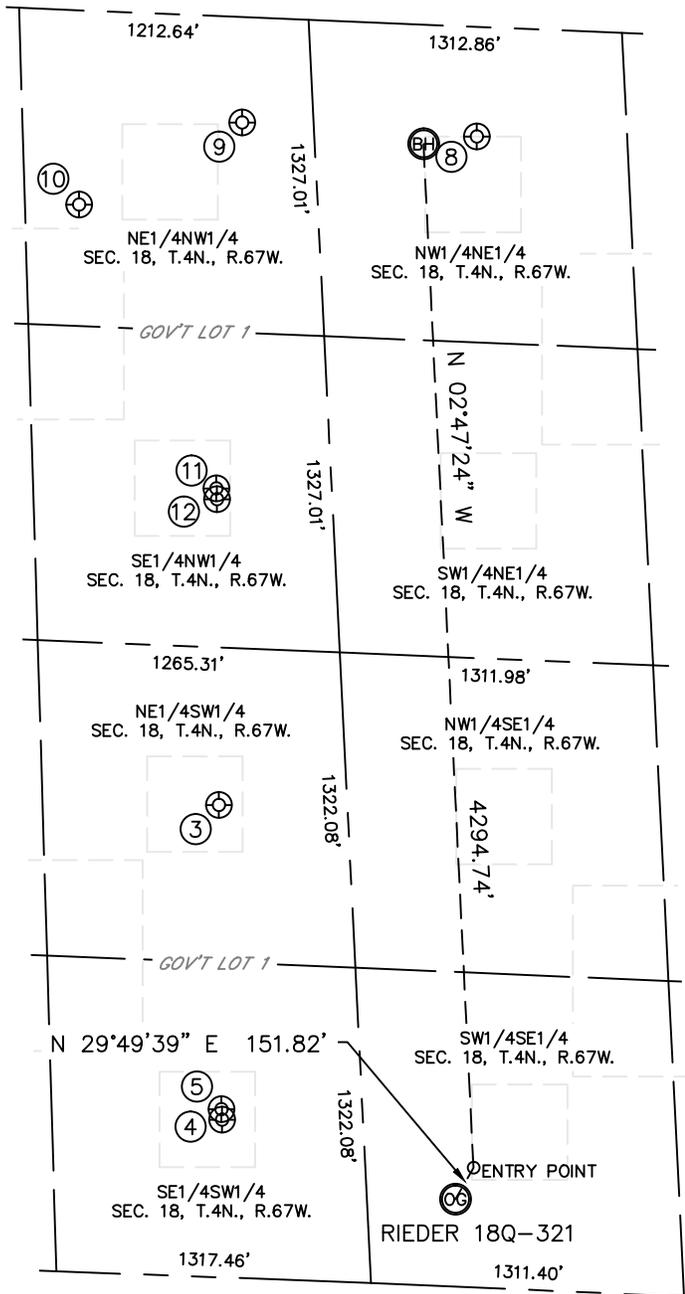
DATE: 7/14/2014
 PROJECT#: 2014019



SITE SKETCH

RIEDER 18Q-321

SECTION: 18
TOWNSHIP: 4N
RANGE: 67W



| WELL NO. | WELL NAME | SHL FOOTAGE | | SHL LAT° | SHL LONG° | PDOP | ELEV (FT.) | 1/4/1/4 |
|----------|--------------|-------------|--------------|----------|------------|------|------------|---------|
| 3 | STARCK 11-18 | 1977 | FSL 1977 FWL | 40.31176 | -104.93465 | 1.9 | 4810 | NESW |
| 4 | STARCK 14-18 | 660 | FSL 1979 FWL | 40.30814 | -104.93463 | 2.7 | 4814 | SESW |
| 5 | STARCK 23-18 | 704 | FSL 1978 FWL | 40.30826 | -104.93464 | 1.7 | 4813 | SESW |
| 8 | CARLSON 18-1 | 460 | FNL 1935 FEL | 40.31943 | -104.93071 | 2.2 | 4841 | NWNE |
| 9 | BEIN 3-18 | 441 | FNL 2097 FWL | 40.31961 | -104.93423 | 2.6 | 4843 | NENW |
| 10 | BEIN 1 | 814 | FNL 1412 FWL | 40.31867 | -104.93668 | 1.9 | 4835 | NENW |
| 11 | BEIN 6-18 | 1977 | FNL 1977 FWL | 40.31540 | -104.93465 | 1.9 | 4814 | SENW |
| 12 | BEIN 22-18 | 2024 | FNL 1979 FWL | 40.31527 | -104.93464 | 1.9 | 4814 | SENW |