

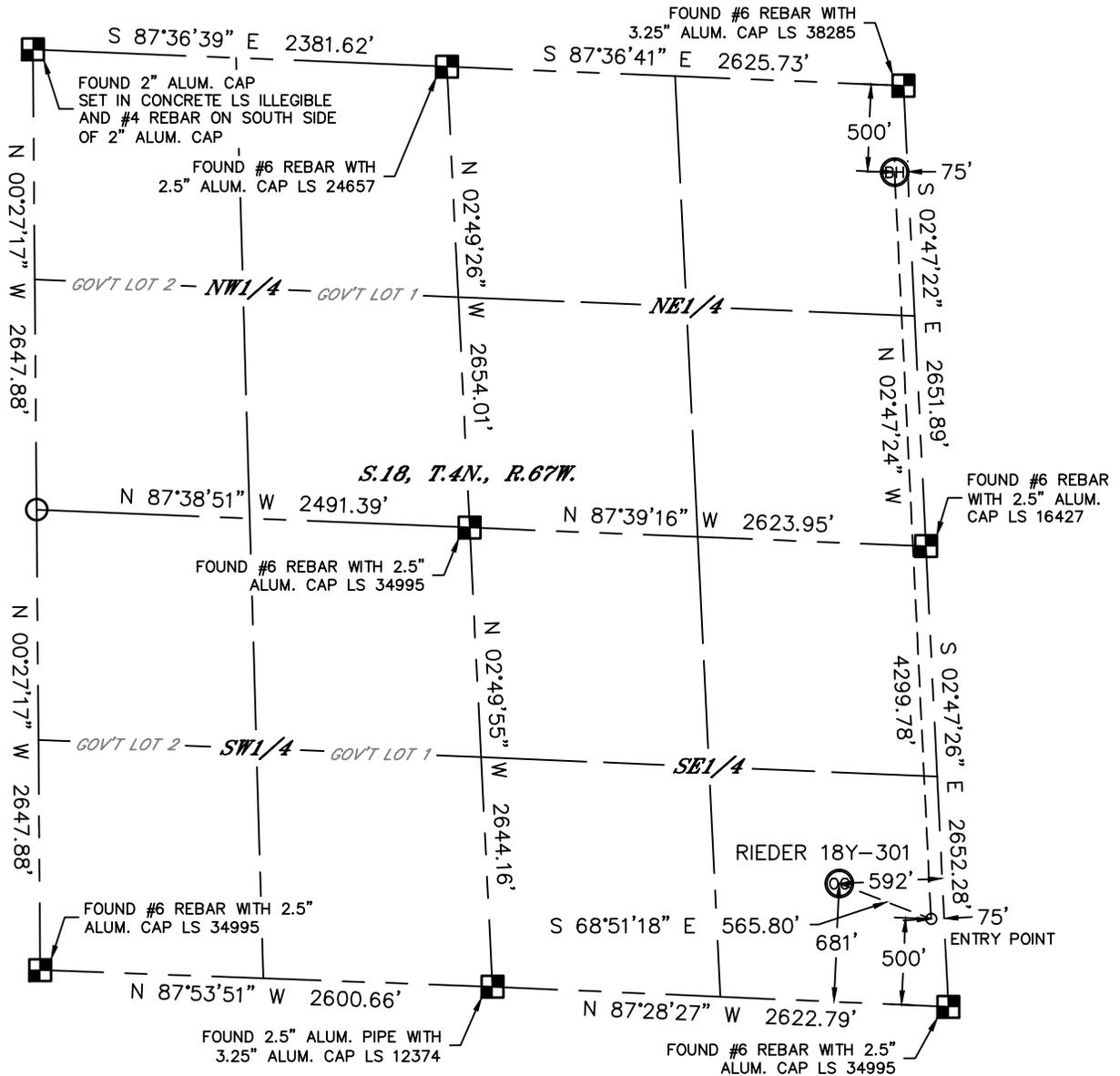


Lat40°, Inc. 1635 Foxtrail Drive, Suite 325 Loveland, CO 970-776-3321

WELL LOCATION CERTIFICATE

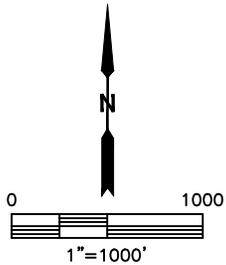
THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

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 18Y-301 to be 681' from the SOUTH line and 592' from the EAST line and the bottom hole to be 500' from the NORTH line and 75' 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.

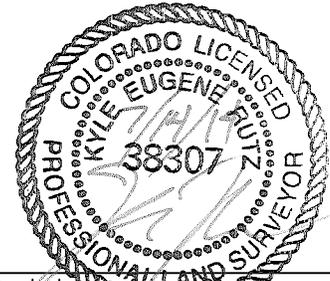
I hereby state that this Well Location Certificate was prepared by me, or under my direct supervision, that the fieldwork was completed on 6/26/2014, for and on behalf of PDC ENGERY. That this is not a Land Survey Plat or an Improvement Survey Plat, and that it is not to be relied upon for establishment of fence, building, or other future improvement lines.



SURFACE LOCATION
LAT: 40.30785°N
LONG: 104.92525°W
PDOP: 1.6
ELEV: 4806'
1/4,1/4: SESE

BOTTOM HOLE
LAT: 40.31907°N
LONG: 104.92401°W

ENTRY POINT
LAT: 40.30728°N
LONG: 104.92336°W



- 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: ±568' SE
BUILDING UNIT: ±614' SE
HIGH OCCUPANCY BUILDING UNIT: ±5117' SE
DESIGNATED OUTSIDE ACTIVITY AREA: 5280'+
PUBLIC ROAD: (CR 15) 579' E
ABOVEGROUND UTILITY: 614' E
RAILROAD: 5280'+
PROPERTY LINE: 284' SE

LEGEND

- = ALIQUOT MONUMENT AS DESCRIBED
- = CALCULATED POSITION

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

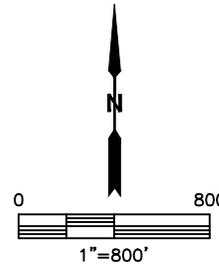
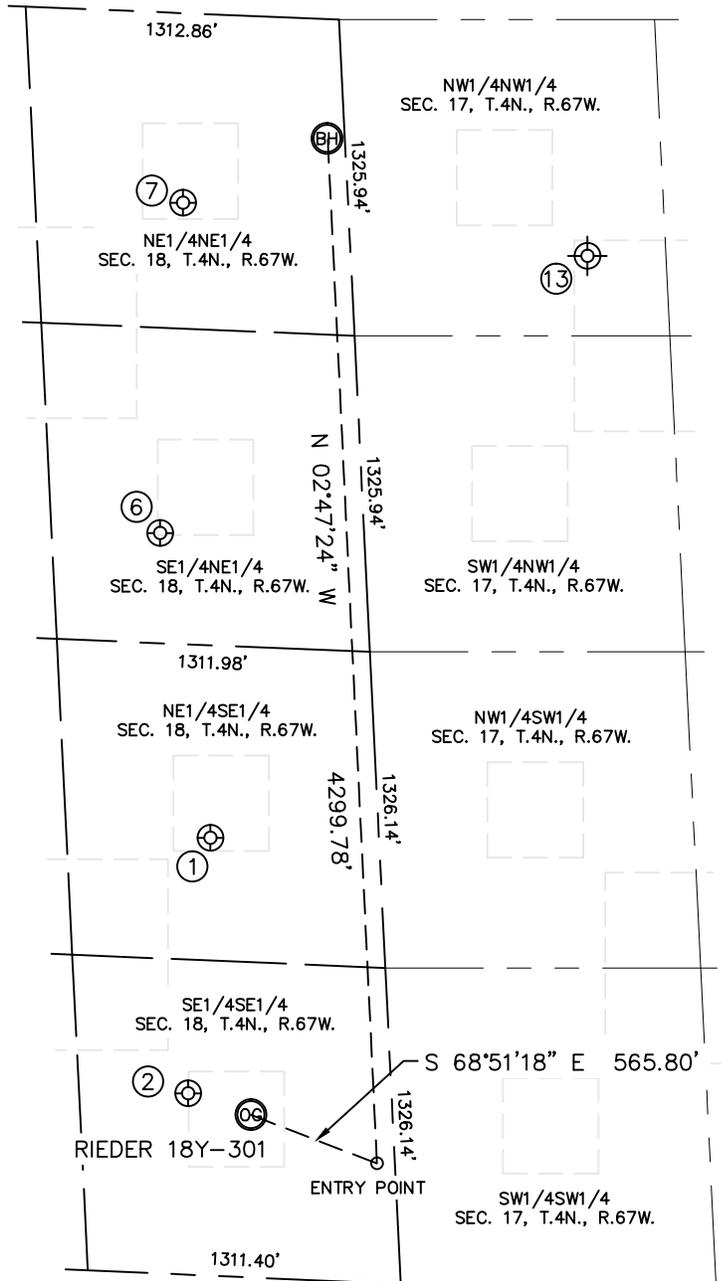
DATE: 7/14/2014
PROJECT#: 2014019



SITE SKETCH

RIEDER 18Y-301

SECTION: 18
TOWNSHIP: 4N
RANGE: 67W



WELL NO.	WELL NAME	SHL FOOTAGE			SHL LAT°	SHL LONG°	PDOP	ELEV (FT.)	1/4/1/4	
1	EVERY-BROOKS 18-1	1832	FSL	705	FEL	40.31103	-104.92583	1.8	4802	NESE
2	A.R. 18-44	759	FSL	851	FEL	40.30810	-104.92619	1.7	4805	SESE
6	CARLSON 18-2	2181	FNL	854	FEL	40.31454	-104.92656	1.9	4802	NESE
7	CARLSON 18-3	795	FNL	691	FEL	40.31834	-104.92618	1.9	4812	NENE
13	HARMON 1-17J	990	FNL	990	FWL	40.31750	-104.92020	NA	4800	NWNW

NOTE: THE ABANDONED WELL DATA SHOWN IN RED ABOVE WAS OBTAINED FROM COGCC SCOUT CARDS.

DATE: 7/14/2014
PROJECT#: 2014019