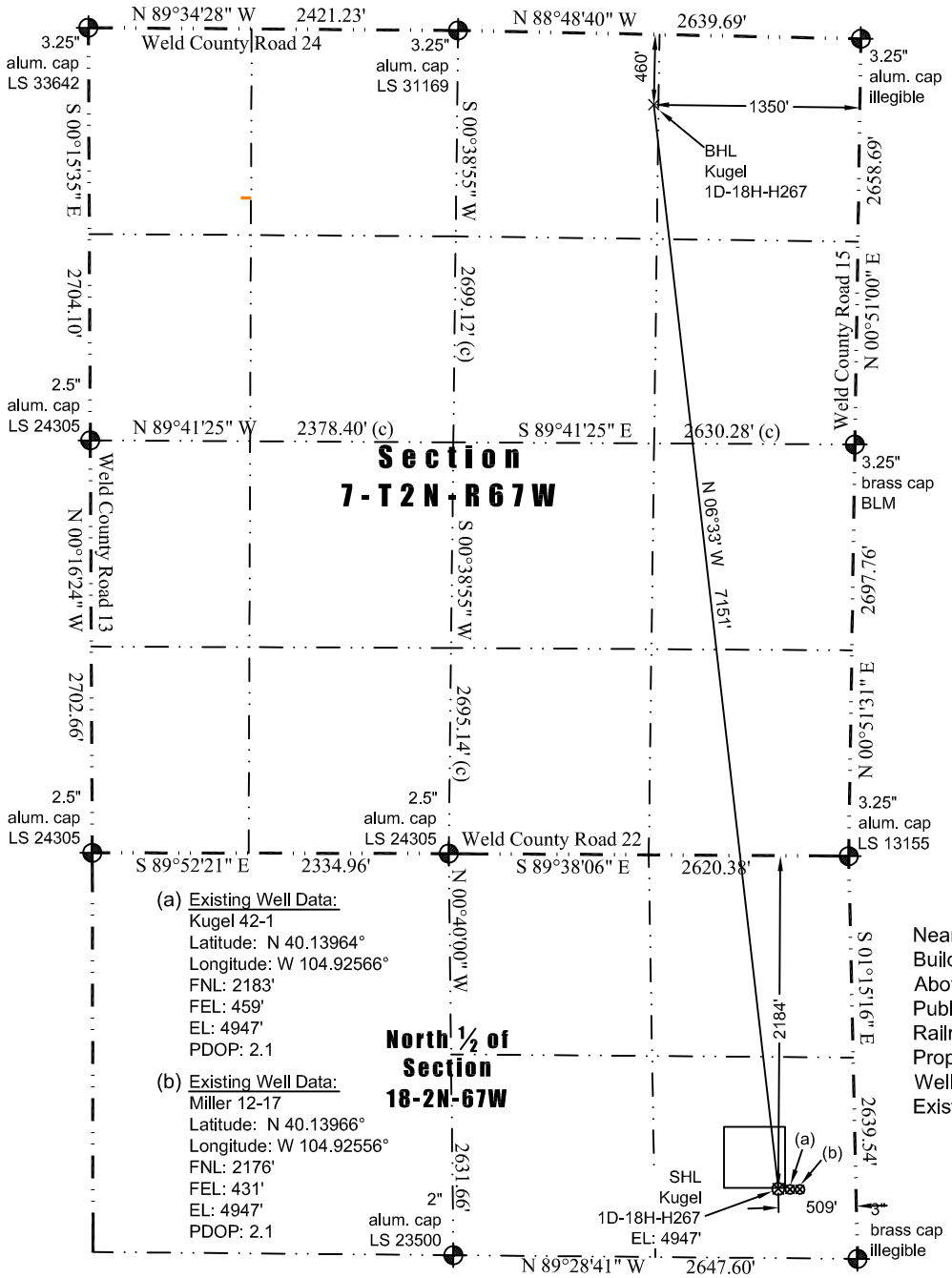
JR Land Surveying, LLC
8114 Northstar Drive
Windsor, Colorado 80528
P. 970-576-4641

WELL LOCATION CERTIFICATE

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY



(a) Existing Well Data:
Kugel 42-1
Latitude: N 40.13964°
Longitude: W 104.92566°
FNL: 2183'
FEL: 459'
EL: 4947'
PDOP: 2.1

(b) Existing Well Data:
Miller 12-17
Latitude: N 40.13966°
Longitude: W 104.92556°
FNL: 2176'
FEL: 431'
EL: 4947'
PDOP: 2.1

Scale 1" = 1000'
1000
approximate scale

LEGEND
– found survey monument
(c) – calculated dimension

Nearest:
Building: 592' southeast
Above Ground Utility: 720' southeast
Public Road: 498' east
Railroad: 28,817' northwest
Property Line: 453' south
Well Window: SHL is 7' outside
Existing Well: Kugel 42-1, 50' east

In accordance with a request from Jay Knutson of EnCana Oil & Gas (USA) Inc., JR Land Surveying, LLC has determined the location of the **Kugel 1D-18H-H267** well site to be SHL: 2184' FNL and 509' FEL, (BHL: 460' FNL and 1350' FEL), as measured at ninety (90) degrees from the section lines of Sections 7 and 18, Township 2 North, Range 67 West, 6th Principal Meridian, Weld County, CO.

Proposed Surface Hole Data:
Latitude: N 40.13964° (BHL: 40.15916°)
Longitude: W 104.92584° (BHL: 104.92859°)
PDOP: 1.6

Notes:
1) Bearings and distances based on NAD 83 Colorado North State Plane Coordinates using RTK GPS observations taken 5/22/13 by operator John Rice.
2) Conversion factor to ground (1.000274007).
3) Elevations based on NAVD 88 GPS heights and Geoid 2003 corrections.
4) See Location Drawing for visible improvements within 500 of pad site.
5) The surface use is a cultivated field.

NOTICE: 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 W.L.C. be commenced more than ten years from this said date of the certification shown hereon.

I hereby certify that this Well Location Certificate was prepared by me or under my direct supervision on 5/23/2013 for and on behalf of EnCana Oil & Gas (USA) Inc. That it is not a Land Survey Plat or an Improvement Survey Plat and that it is not to be relied upon for establishment of fences, buildings, or other future improvement lines.

5-23-2013

John Robert McGehee LS#38219
Well: Kugel 1D-18H-H267 WLC