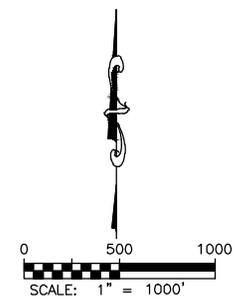
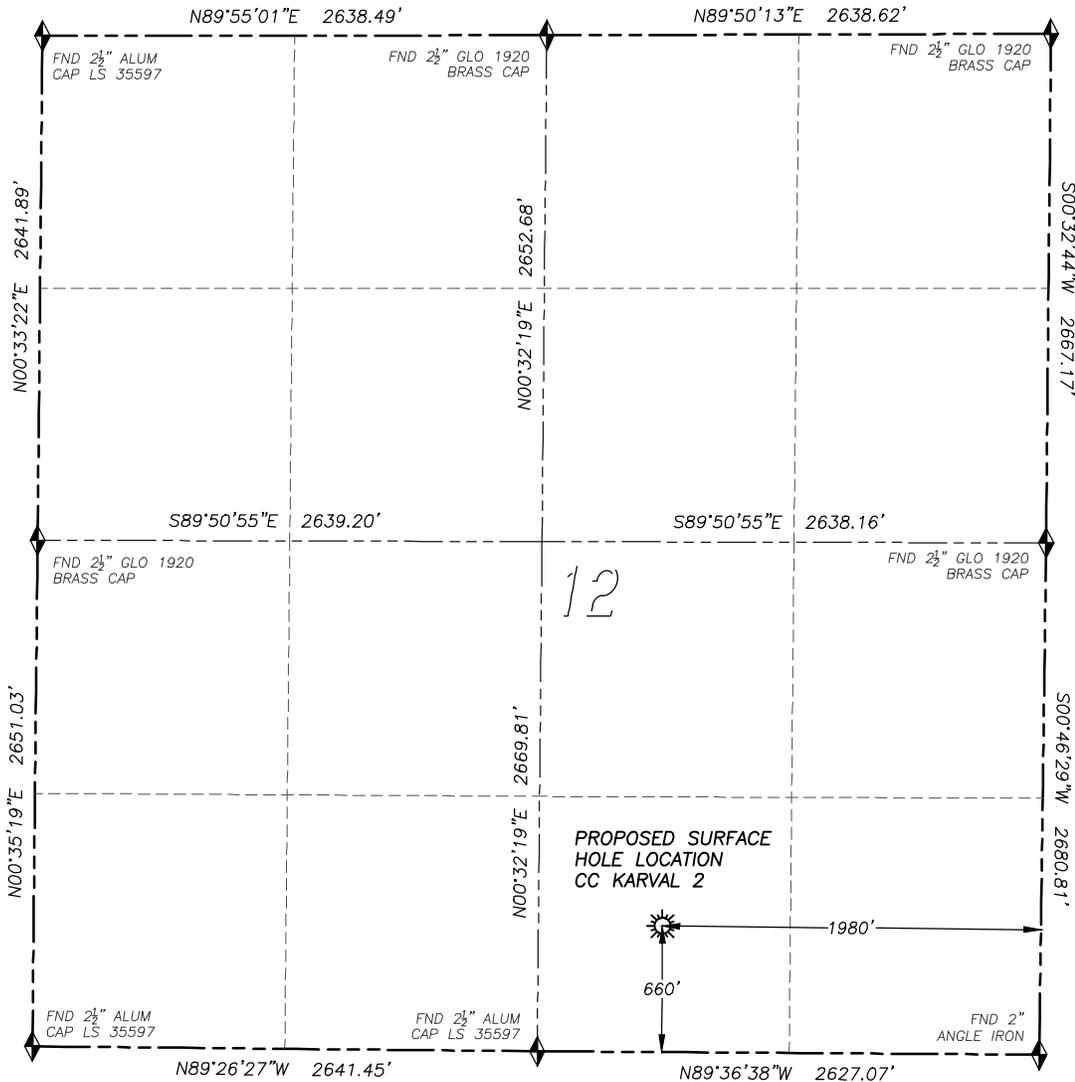


# WELL LOCATION CERTIFICATE CC KARVAL 2

SECTION 12, TOWNSHIP 18 SOUTH, RANGE 54 WEST OF THE 6TH PRINCIPAL MERIDIAN



- LEGEND**
- FOUND MONUMENT AS DESCRIBED
  - PROPOSED WELL
  - EXISTING WELL
  - BOTTOM HOLE
  - ABANDONED WELL
  - CALCULATED POSITION

**NAD 83 LATITUDE AND LONGITUDE**  
**CC KARVAL 2 SURFACE HOLE:**  
 LATITUDE: N38.49606°  
 LONGITUDE: W103.39999°  
 ELEVATION: 4457'  
 FOOTAGE: 660' FSL, 1980' FWL  
 PDOP: 1.9  
 QTR/QTR: SW4/SE4  
 PROP LINE: 649'± WEST

IN ACCORDANCE WITH A REQUEST FROM AURORA POWER RESOURCES INC., DALEY LAND SURVEYING, INC. HAS DETERMINED THE SURFACE LOCATION OF THE CC KARVAL 2 WELL TO BE 660' FSL, 1980' FWL, AS MEASURED AT NINETY (90) DEGREES FROM THE SECTION LINES OF SECTION 12, TOWNSHIP 18 SOUTH, RANGE 54 WEST OF THE 6TH PRINCIPAL MERIDIAN, KIOWA COUNTY, COLORADO.

I HEREBY CERTIFY THAT THIS WELL LOCATION CERTIFICATE WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, THAT THE WORK WAS COMPLETED ON 3/15/2013 FOR AND ON BEHALF OF NOBLE ENERGY, INC., AND THAT THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY, IT IS NOT A LAND SURVEY PLAT OR AN IMPROVEMENT SURVEY PLAT AND IT IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OF FENCE, BUILDING OR OTHER FUTURE IMPROVEMENT LINES.

- NOTES:**
- 1) BEARINGS FOR THIS MAP ARE ASSUMED AND BASED UPON GPS OBSERVATIONS MADE BETWEEN MONUMENTS LOCATED AT THE SOUTHEAST CORNER AND EAST QUARTER CORNER OF SECTION 12, T.18S., R.54W.
  - 2) HORIZONTAL DATUM IS NAD83.
  - 3) VERTICAL DATUM IS NAVD88 AND ORIGINATES FROM THE LOCAL C.O.R.S. NETWORK, UTILIZING THE GEOID09 MODEL.
  - 4) SEE LOCATION DRAWING FOR VISIBLE IMPROVEMENTS WITHIN 400' OF PROPOSED DISTURBED AREA.
  - 5) SURFACE USE: RANGELAND.

**NEAREST EXISTING WELL:**  
 THERE ARE NO EXISTING WELLS IN THIS SECTION

FOR AND ON BEHALF OF  
 DALEY LAND SURVEYING INC.,  
 Robert Daley, PLS 35597

C:\Work\1301001\Drawings\CC\_Karval\_2.dwg