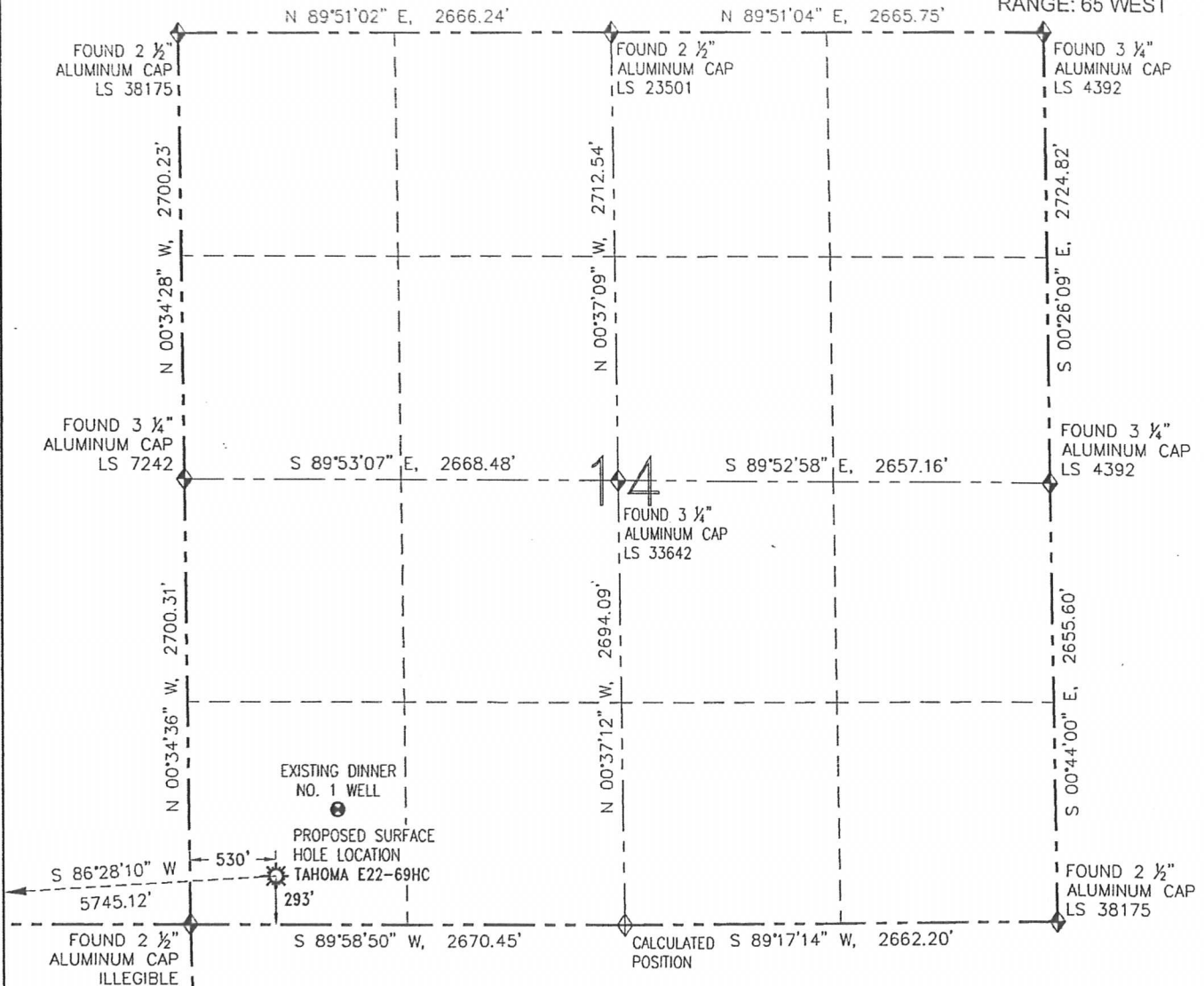


## WELL LOCATION CERTIFICATE

TAHOMA E22-69HC

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 14  
TOWNSHIP: 6 NORTH  
RANGE: 65 WEST

0 1000'

SCALE: 1" = 1000'

## LEGEND

- PROPOSED WELL
- EXISTING WELL
- BOTTOM HOLE
- FOUND MONUMENT
- CALCULATED POSITION

PAGE 1 OF SHEET 1

## SURFACE HOLE LOCATION (NAD 83)

LATITUDE: N 40.47960°  
 LONGITUDE: W 104.63816°  
 ELEVATION: 4739  
 PDOP: 1.7  
 1/4-1/4: SW SW  
 NEAREST PROPERTY LINE: 277' S

## BOTTOM HOLE LOCATION

LATITUDE: N 40.47878°  
 LONGITUDE: W 104.65878°

## NOTES:

- BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD 83. THE LINEAL DIMENSIONS SHOWN HEREON ARE BASED UPON THE "U.S. SURVEY FOOT".
- ELEVATIONS ARE BASED UPON NGS OPUS SOLUTION NAVD 88 DATUM COMPUTED USING GEOID09.
- THE NEAREST EXISTING WELL IS: DINNER NO. 1 556' NE.
- SEE LOCATION DRAWING FOR ALL IMPROVEMENTS WITHIN 400' OF THE OIL/GAS LOCATION.
- SURFACE USE: PASTURE.

IN ACCORDANCE WITH A REQUEST FROM BRIAN JAMES-NOBLE ENERGY INC., R&R ENGINEERS-SURVEYORS, INC. HAS DETERMINED THE SURFACE HOLE LOCATION OF THE TAHOMA E22-69HC WELL TO BE 293' FSL AND 530' FWL AS MEASURED AT (90) DEGREES FROM THE SECTION LINES OF SECTION 14, TOWNSHIP 6 NORTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, WELD COUNTY, COLORADO. THE BOTTOM HOLE LOCATION, AS PROVIDED BY THE CLIENT, IS TO BE 75' FNL AND 75' FWL OF SECTION 22, TOWNSHIP 6 NORTH, RANGE 65 WEST.

I HEREBY CERTIFY THAT THIS WELL LOCATION CERTIFICATE WAS PREPARED BY ME, OR UNDER MY DIRECT SUPERVISION, THAT THE FIELD WORK WAS COMPLETED ON 03/11/13, FOR AND ON BEHALF OF NOBLE ENERGY 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.

ENGINEERS  
SURVEYORS

FIELD DATE: 03/11/13

PLOT DATE: 03/21/13

DRAWN BY: CJD

JOB NO.: NE12383

SHEET NO.: 1 of 3

## 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 THE DATE OF THE CERTIFICATION SHOWN HEREON (13-80-105 C.R.S.).



DAVID C. HOLMES, PLS 32828  
 FOR AND ON BEHALF OF R&R ENGINEERS-SURVEYORS, INC.

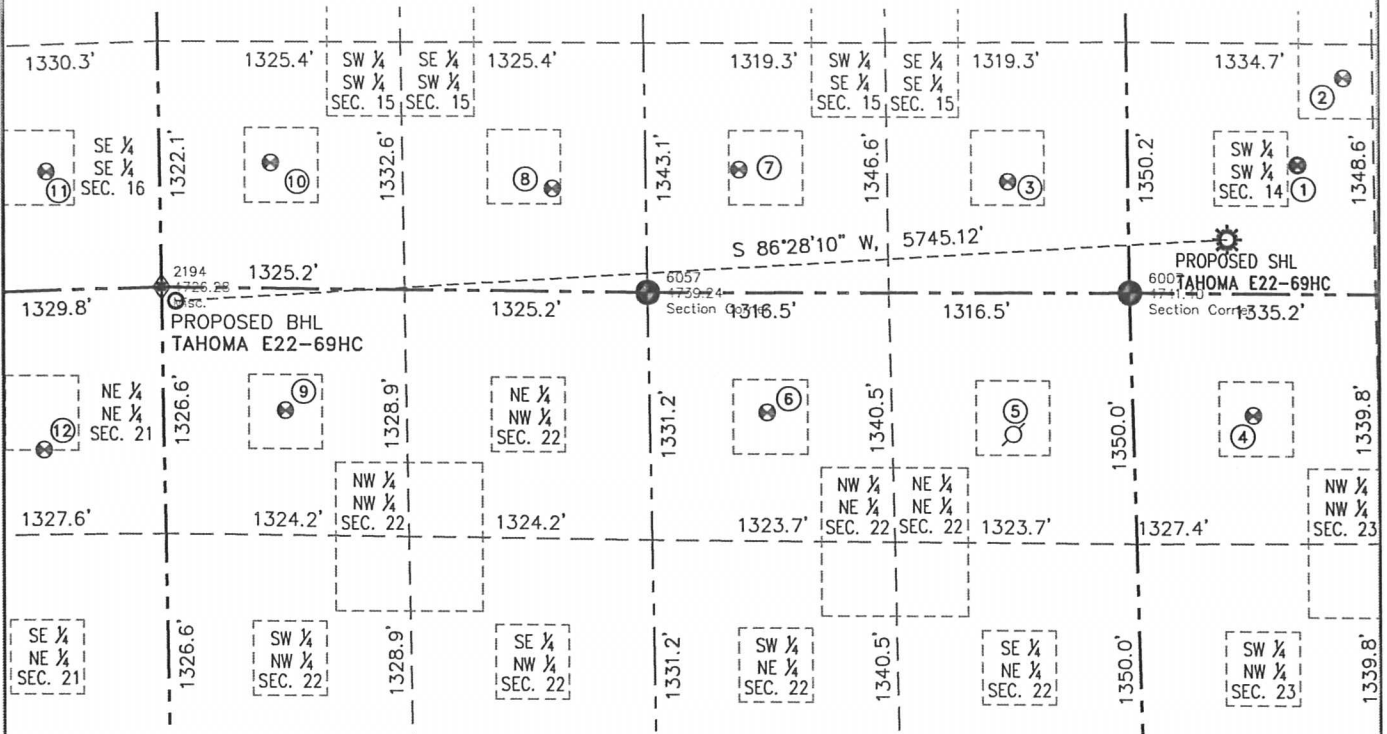
ACCORDING TO COLORADO LAW, YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS W.L.C. WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS W.L.C. BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF THE CERTIFICATION SHOWN HEREON (13-80-105 C.R.S.).

# SITE SKETCH

TAHOMA E22-69HC

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 14  
TOWNSHIP: 6 NORTH  
RANGE: 65 WEST



① DINNER NO. 1  
SW/SW SEC. 14  
696' FSL  
917' FWL  
EL=4718  
N 40.48070°  
W 104.63677°  
PDOP 2.8

② DINNER 14-35  
SW/SW SEC. 14  
1165' FSL  
1171' FWL  
EL=4717  
N 40.48198°  
W 104.63586°  
PDOP 2.6

③ DINNER 15-1  
SE/SE SEC. 15  
599' FSL  
660' FEL  
EL=4743  
N 40.48047°  
W 104.64244°  
PDOP 2.3

④ FEIT 2-23EG  
NW/NW SEC. 23  
654' FNL  
648' FWL  
EL=4733  
N 40.47700°  
W 104.63770°  
PDOP 1.6

⑤ BICK E22-1  
NE/NE SEC. 22  
PER COGCC:  
760' FNL  
660' FEL  
PLUGGED &  
ABANDONED

⑥ MEL BICKLING 31-22  
NW/NE SEC. 22  
645' FNL  
1999' FEL  
EL=4738  
N 40.47709°  
W 104.64722°  
PDOP 1.5

⑦ DINNER 15-43  
SW/SE SEC. 15  
663' FSL  
2123' FEL  
EL=4750  
N 40.48068°  
W 104.64770°  
PDOP 3.0

⑧ BENSON 24-15  
SE/SW SEC. 15  
554' FSL  
2137' FWL  
EL=4726  
N 40.48041°  
W 104.65139°  
PDOP 2.7

⑨ MEL BICKLING 11-22  
NW/NW SEC. 22  
657' FNL  
661' FWL  
EL=4718  
N 40.47716°  
W 104.65666°  
PDOP 1.6

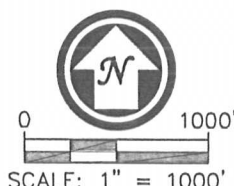
⑩ BENSON 13-15  
SW/SW SEC. 15  
675' FSL  
603' FWL  
EL=4725  
N 40.48082°  
W 104.65690°  
PDOP 2.2

⑪ RIGGS 44-16  
SE/SE SEC. 16  
639' FSL  
619' FEL  
EL=4725  
N 40.48070°  
W 104.66129°  
PDOP 1.6

⑫ BICKLING E21-01  
NE/NE SEC. 21  
855' FNL  
657' FEL  
EL=4719  
N 40.47660°  
W 104.66139°  
PDOP 1.8



FIELD DATE: 03/11/13  
PLOT DATE: 03/21/13  
DRAWN BY: CJD  
JOB NO.: NE12383  
SHEET NO.: 2 of 3



- NOTES:
- THIS SKETCH DOES NOT REPRESENT A BOUNDARY SURVEY.
  - HORIZONTAL DATUM IS NAD 83.
  - VERTICAL DATUM IS NAVD 88.

## LEGEND

- PROPOSED WELL
- EXISTING WELL
- BOTTOM HOLE
- ABANDONED WELL
- FOUND MONUMENT
- CALCULATED POSITION