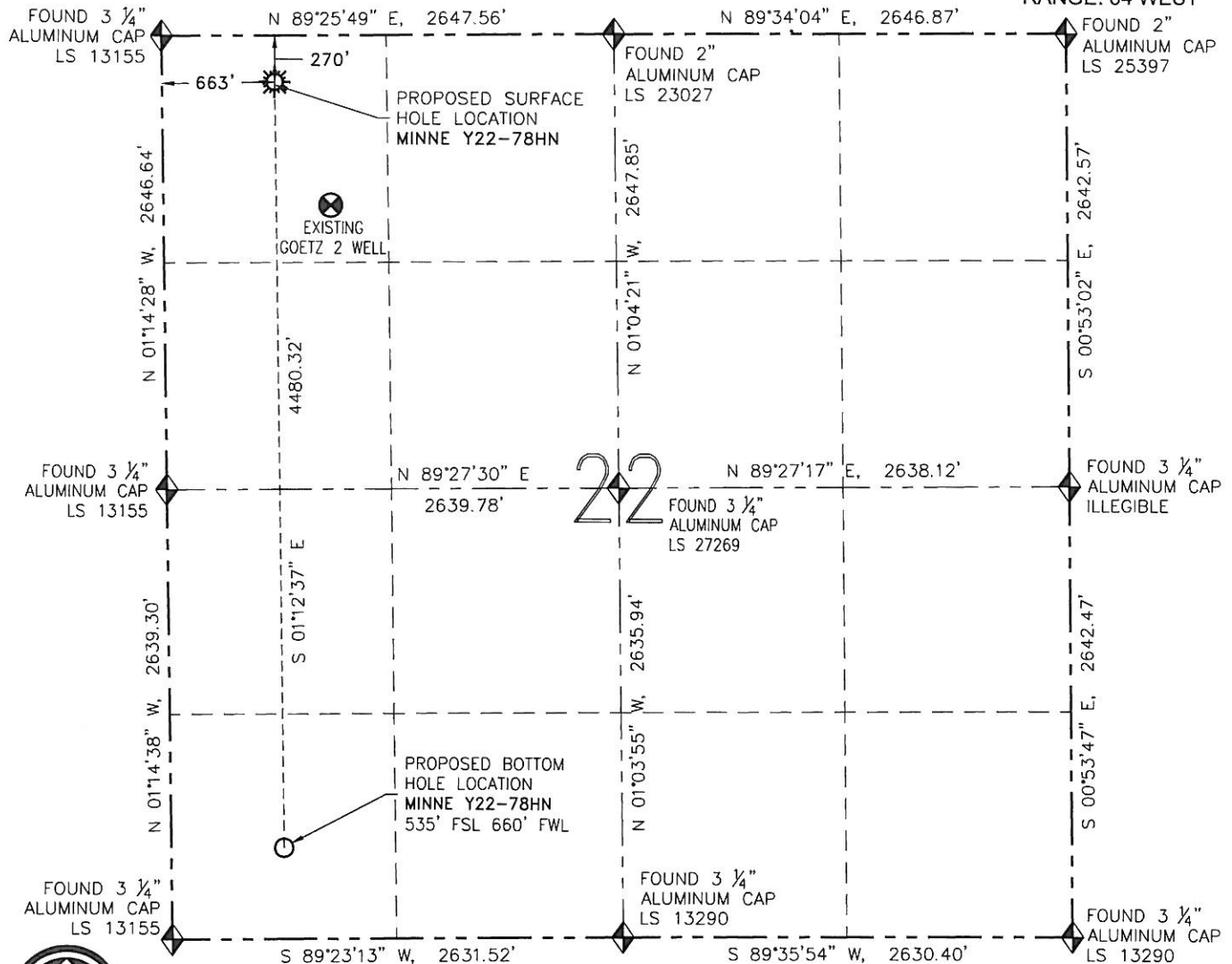


WELL LOCATION CERTIFICATE

MINNE Y22-78HN

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 22
TOWNSHIP: 2 NORTH
RANGE: 64 WEST

0 1000'

SCALE: 1" = 1000'

SURFACE HOLE LOCATION (NAD 83)

LATITUDE: N 40.13047°
 LONGITUDE: W 104.54462°
 ELEVATION: 4986
 PDOP: 1.7
 1/4-1/4: NW NW

NEAREST PROPERTY LINE: 270' NORTH

BOTTOM HOLE LOCATION

LATITUDE: N 40.11818°
 LONGITUDE: W 104.54446°

I HEREBY CERTIFY THAT THIS WELL LOCATION CERTIFICATE WAS PREPARED BY ME, OR UNDER MY DIRECT SUPERVISION, THAT THE FIELD WORK WAS COMPLETED ON 10/02/14, 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.

IN ACCORDANCE WITH A REQUEST FROM MIKE RODINE-NOBLE ENERGY INC., R&R ENGINEERS-SURVEYORS, INC. HAS DETERMINED THE SURFACE HOLE LOCATION OF THE MINNE Y22-78HN WELL TO BE 270' FNL AND 663' FWL AS MEASURED AT (90) DEGREES FROM THE SECTION LINES OF SECTION 22, TOWNSHIP 2 NORTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN, WELD COUNTY, COLORADO. THE BOTTOM HOLE LOCATION, AS PROVIDED BY THE CLIENT, IS TO BE 535' FSL AND 660' FWL OF SECTION 22, TOWNSHIP 2 NORTH RANGE 64 WEST.

NOTES:

1. 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".
2. ELEVATIONS ARE BASED UPON NGS OPUS SOLUTION NAVD 88 DATUM COMPUTED USING GEIOD09.
3. THE NEAREST EXISTING WELL IS: GOETZ 2 791' SE.
4. SEE LOCATION DRAWING FOR ALL IMPROVEMENTS WITHIN 400' OF THE OIL/GAS LOCATION.
5. SURFACE USE: CROPLAND.

LEGEND

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



FIELD DATE: 10/02/14
 PLOT DATE: 10/08/14
 DRAWN BY: CJD
 JOB NO.: NE12326
 SHEET NO.: 1 of 6

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.).



ANTONIO W. SMITH, PLS 38320
 FOR AND ON BEHALF OF R&R ENGINEERS-SURVEYORS, INC.

SITE SKETCH

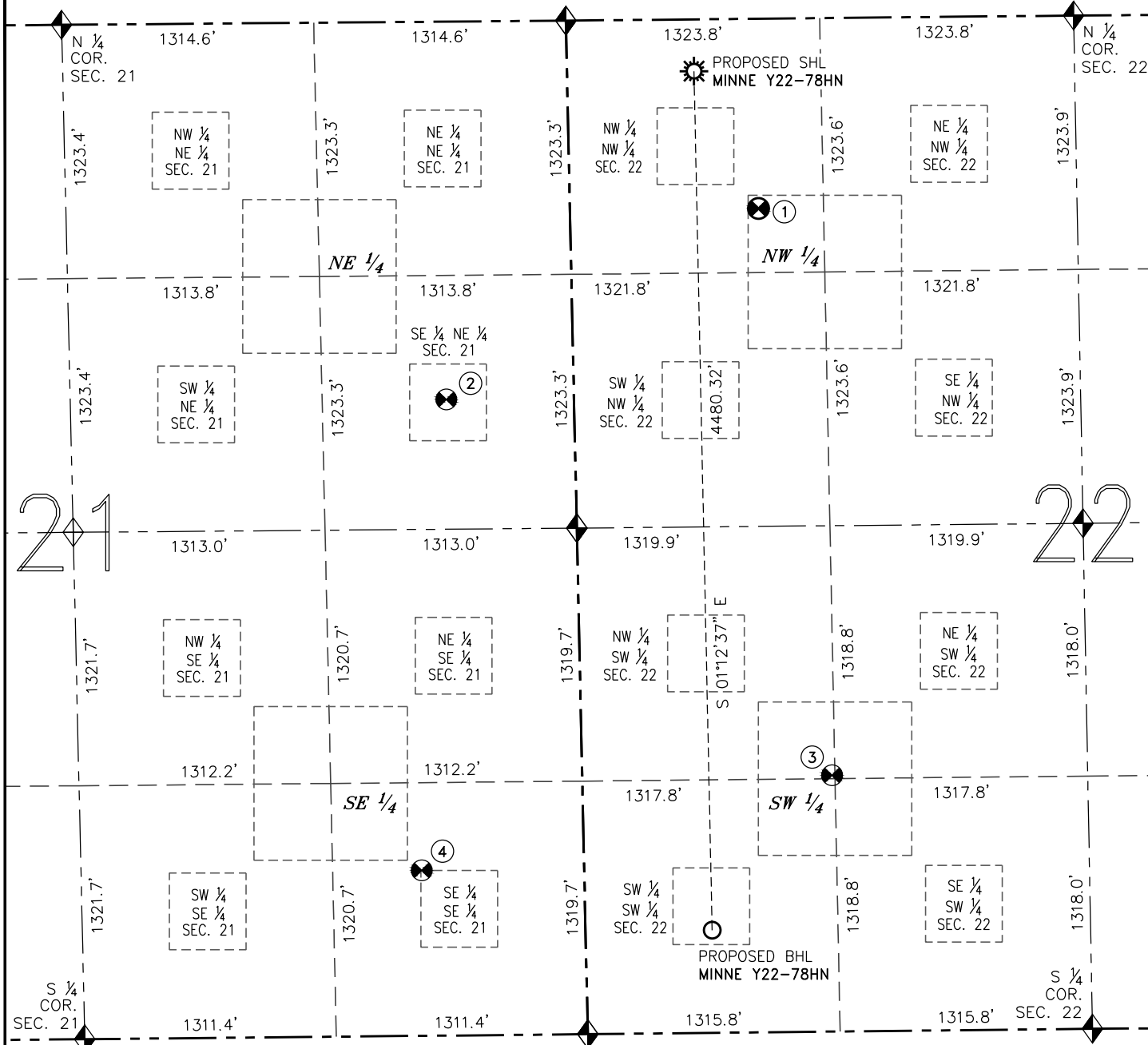
MINNE Y22-78HN

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 22

TOWNSHIP: 2 NORTH

RANGE: 64 WEST



① GOETZ 2
NW/NW SEC 22
990' FNL
983' FWL
EL=4986'
N 40.12850°
W 104.54345°
PDOP 1.9

② MCINTOSH 42-21
SE/NE SEC 21
1970' FNL
667' FEL
EL=4952'
N 40.12581°
W 104.54931°
PDOP 2.6

③ ACCO-TERRA-BODECKER 40
NW/SW SEC 22
1336' FSL
1302' FWL
EL=4996'
N 40.12038°
W 104.54219°
PDOP 1.7

④ MCINTOSH 44-21
SE/SE SEC 21
863' FSL
848' FEL
EL=4964'
N 40.11908°
W 104.54986°
PDOP 1.6



0 800' 1600'

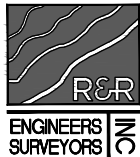
SCALE: 1" = 800'

NOTES:

1. THIS SKETCH DOES NOT REPRESENT A BOUNDARY SURVEY.
2. HORIZONTAL DATUM IS NAD 83.
3. VERTICAL DATUM IS NAVD 88.

LEGEND

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



FIELD DATE: 10/02/14
PLOT DATE: 10/08/14
DRAWN BY: CJD
JOB NO.: NE12326
SHEET NO.: 2 of 6