

WELL LOCATION CERTIFICATE

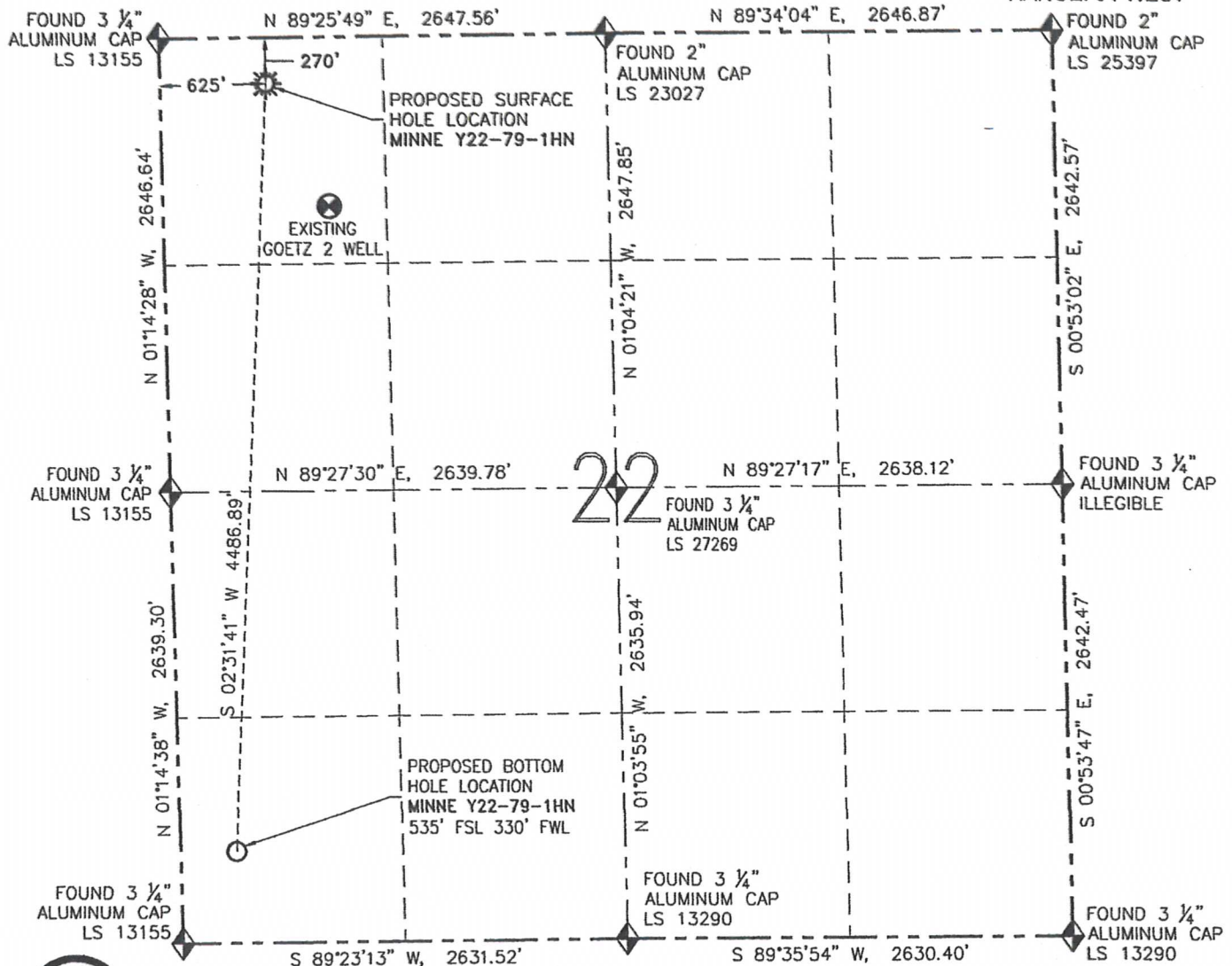
MINNE Y22-79-1HN

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 22

TOWNSHIP: 2 NORTH

RANGE: 64 WEST



SCALE: 1" = 1000'

SURFACE HOLE LOCATION (NAD 83)

LATITUDE: N 40.13047
 LONGITUDE: W 104.54476
 ELEVATION: 4985
 PDOP: 1.7

¼-¼: NW NW

NEAREST PROPERTY LINE: 270' NORTH

BOTTOM HOLE LOCATION

LATITUDE: N 40.11818
 LONGITUDE: W 104.54564

I HEREBY CERTIFY THAT THIS WELL LOCATION CERTIFICATE WAS PREPARED BY ME, OR UNDER MY DIRECT SUPERVISION, THAT THE FIELD WORK WAS COMPLETED ON 08/21/12, 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.

LEGEND	
	PROPOSED WELL
	EXISTING WELL
	BOTTOM HOLE
	FOUND MONUMENT

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 GEOID09.
3. THE NEAREST EXISTING WELL IS: GOETZ 2 808' SE.
4. SEE LOCATION DRAWING FOR ALL IMPROVEMENTS WITHIN 400' OF THE OIL/GAS LOCATION.
5. SURFACE USE: CROPLAND.



FIELD DATE: 08/21/12
 PLOT DATE: 11/08/12
 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.).



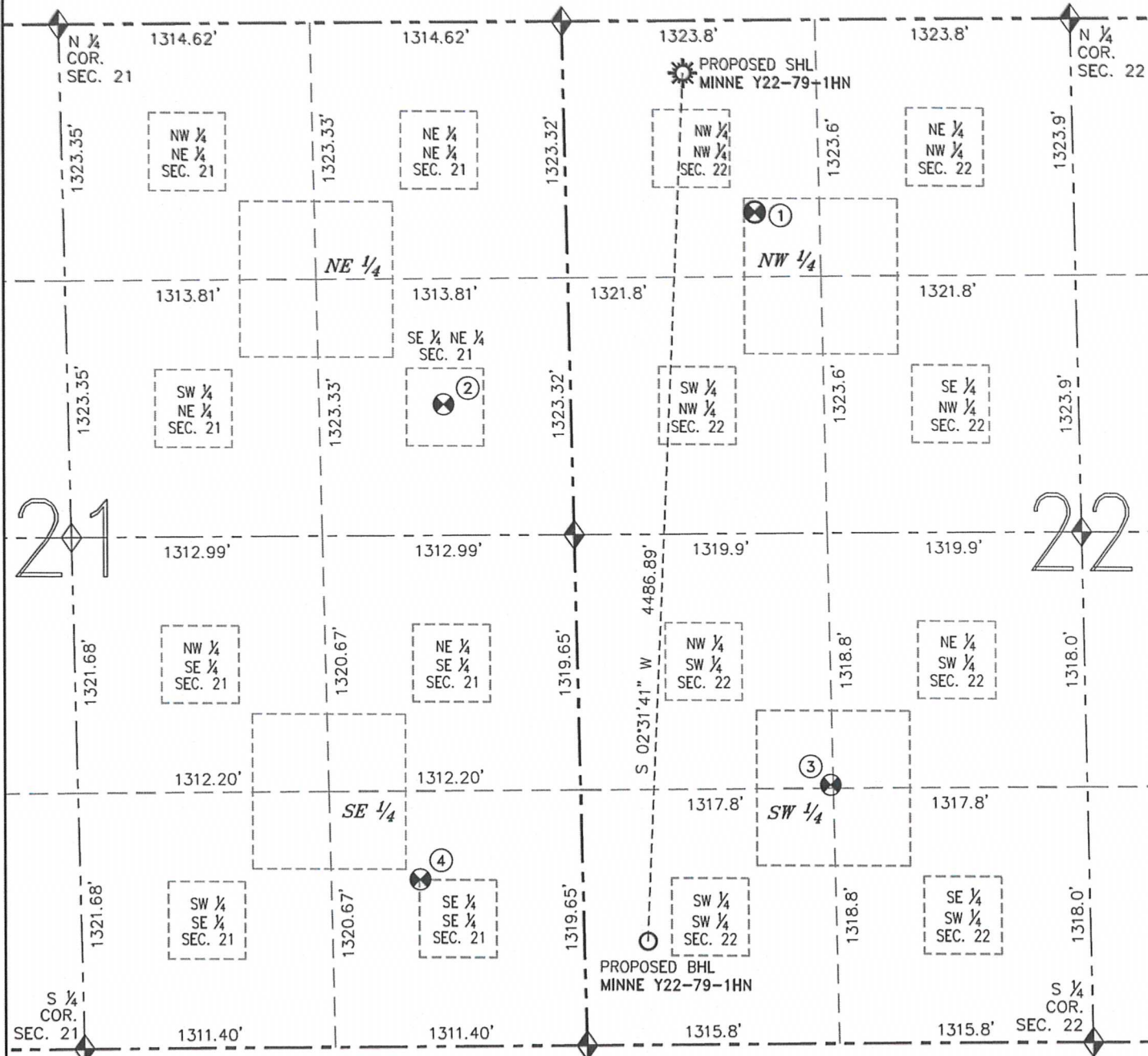
DAVID C. HOLMES, PLS 32828
 FOR AND ON BEHALF OF R&R ENGINEERS-SURVEYORS, INC.

SITE SKETCH

MINNE Y22-79-1HN

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

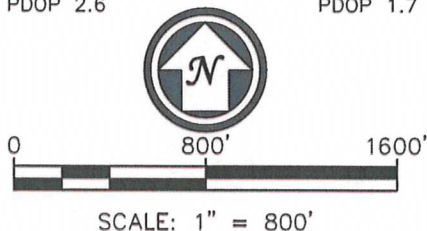
② MCINTOSH 42-21
SE/NE SEC 21
1970' FNL
667' FEL
EL=4952'
N 40.12581°
W 104.54931°
PDOP 2.6

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



FIELD DATE: 08/21/12
PLOT DATE: 11/08/12
DRAWN BY: CJD
JOB NO.: NE12326
SHEET NO.: 2 of 6



- 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
	FOUND MONUMENT
	CALCULATED POSITION