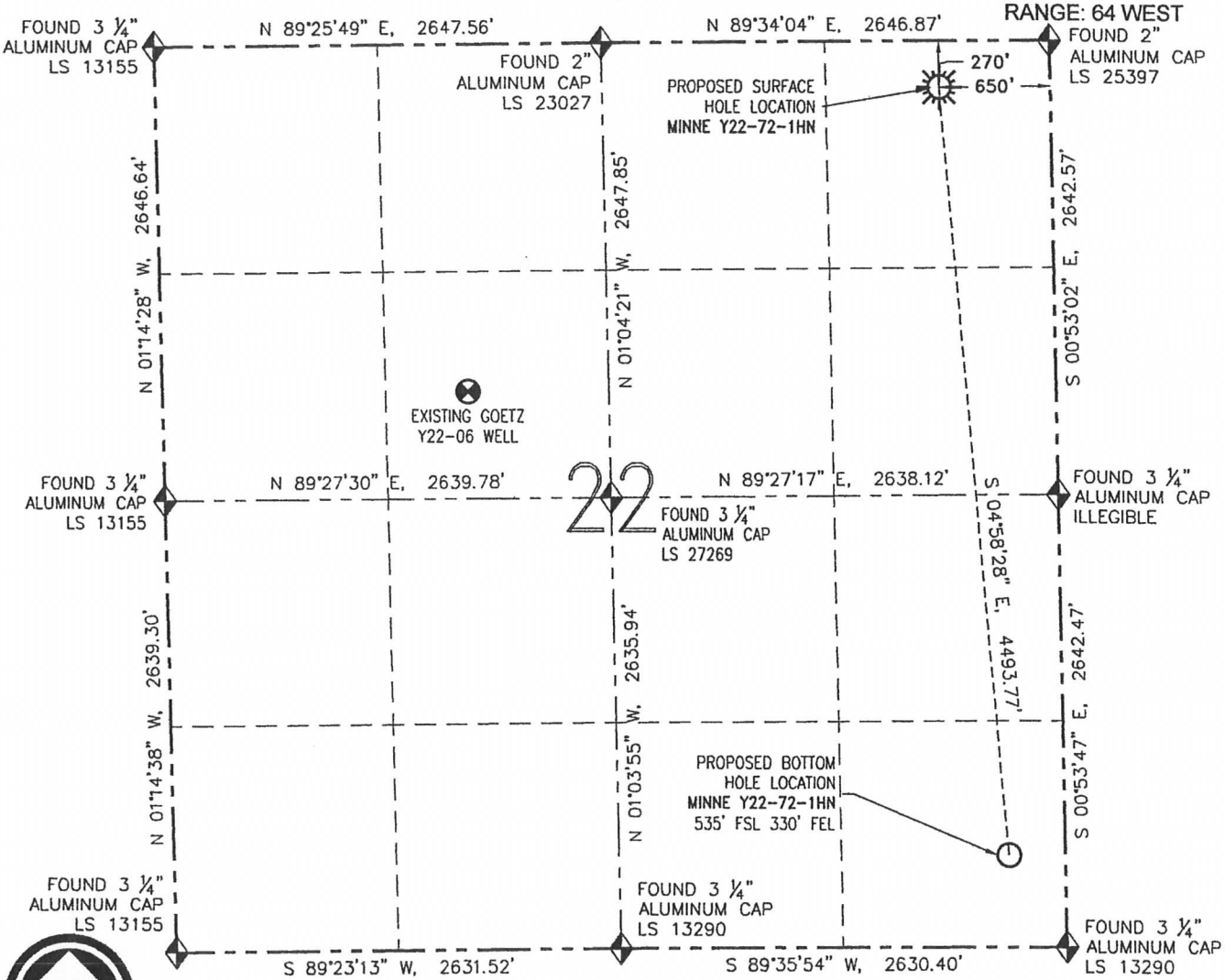
R&R ENGINEERS-SURVEYORS, INC. 7352 GREENRIDGE RD. STE. B19, WINDSOR, CO 80550 303-753-6730

WELL LOCATION CERTIFICATE

MINNE Y22-72-1HN

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 22
TOWNSHIP: 2 NORTH
RANGE: 64 WEST



SURFACE HOLE LOCATION (NAD 83)
LATITUDE: N 40.13045°
LONGITUDE: W 104.53039°
ELEVATION: 5008
PDOP: 1.6
¼-¼: NE NE
NEAREST PROPERTY LINE: 270' NORTH

BOTTOM HOLE LOCATION
LATITUDE: N 40.11815°
LONGITUDE: W 104.52917°

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.

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 Y22-72-1HN WELL TO BE 270' FNL AND 650' FEL 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 330' FEL OF SECTION 22, TOWNSHIP 2 NORTH RANGE 64 WEST.

LEGEND
- PROPOSED WELL
- EXISTING WELL
- BOTTOM HOLE
- ABANDONED WELL
- 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 Y22-06 3310' SW.
4. SEE LOCATION DRAWING FOR ALL IMPROVEMENTS WITHIN 400' OF THE OIL/GAS LOCATION.
5. SURFACE USE: CROPLAND.

COLORADO REGISTERED PROFESSIONAL LAND SURVEYOR DAVID CHARLES HOLMES 11/7/12 32828

FIELD DATE:	08/21/12
PLOT DATE:	11/07/12
DRAWN BY:	CJD
JOB NO.:	NE12305
SHEET NO.:	1 of 11

R&R ENGINEERS SURVEYORS INC

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.

R&R ENGINEERS-SURVEYORS, INC. 7352 GREENRIDGE RD. STE. B19, WINDSOR, CO 80550 303-753-6730

SITE SKETCH

MINNE Y22-72-1HN

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 22
TOWNSHIP: 2 NORTH
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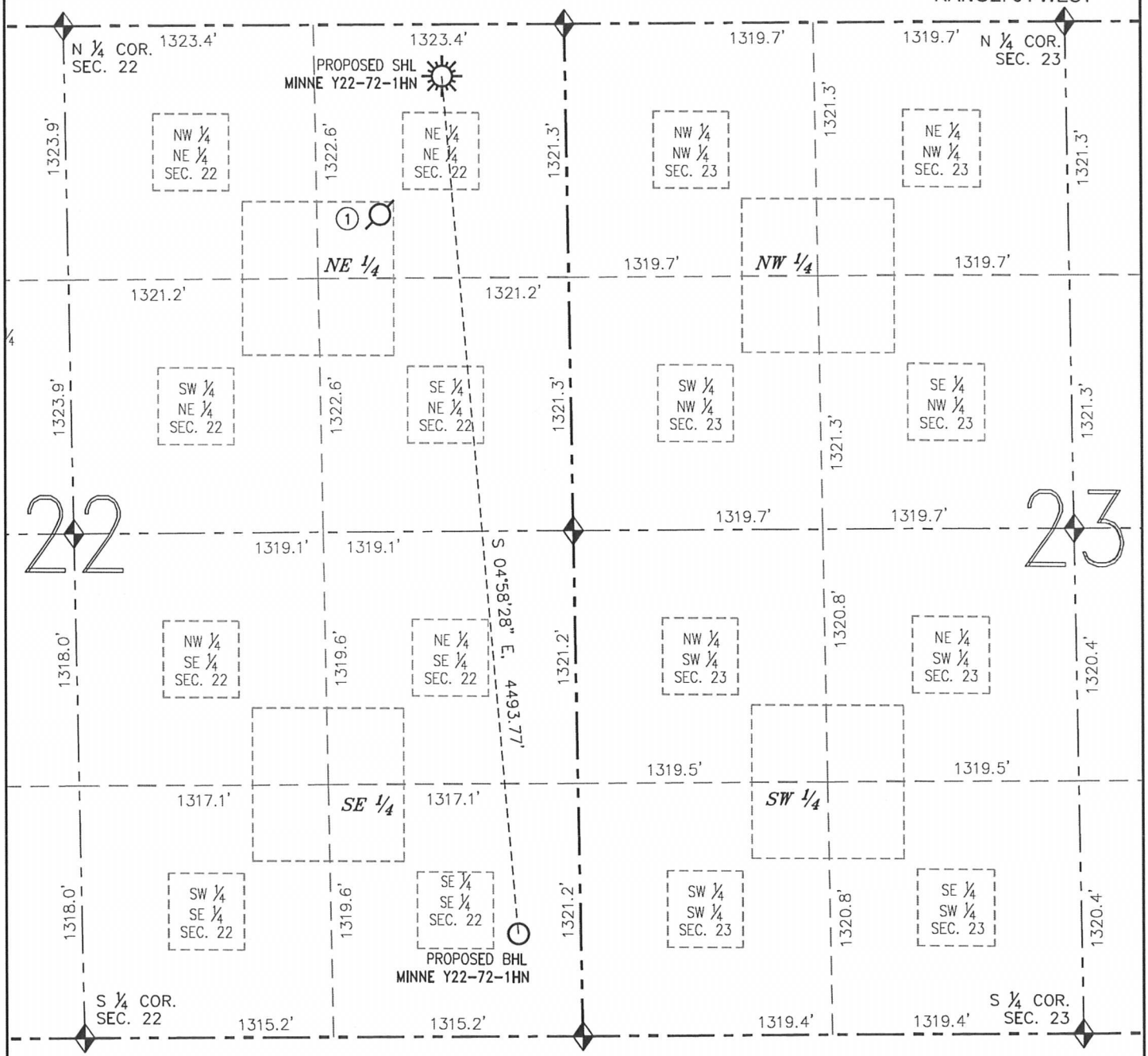

① GOETZ NO.1
NE/NE SEC 22
PER COGCC:
990' FNL
990' FEL
PLUGGED & ABANDONED

② GOETZ Y22-06
SE/NW SEC 22
2023' FNL
1811' FWL
EL=4999'
N 40.12566°
W 104.54045°
PDOP 2.0

FIELD DATE:	08/21/12
PLOT DATE:	11/07/12
DRAWN BY:	CJD
JOB NO.:	NE12305
SHEET NO.:	2 of 11

ENGINEERS SURVEYORS INC

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
- ABANDONED WELL
- FOUND MONUMENT