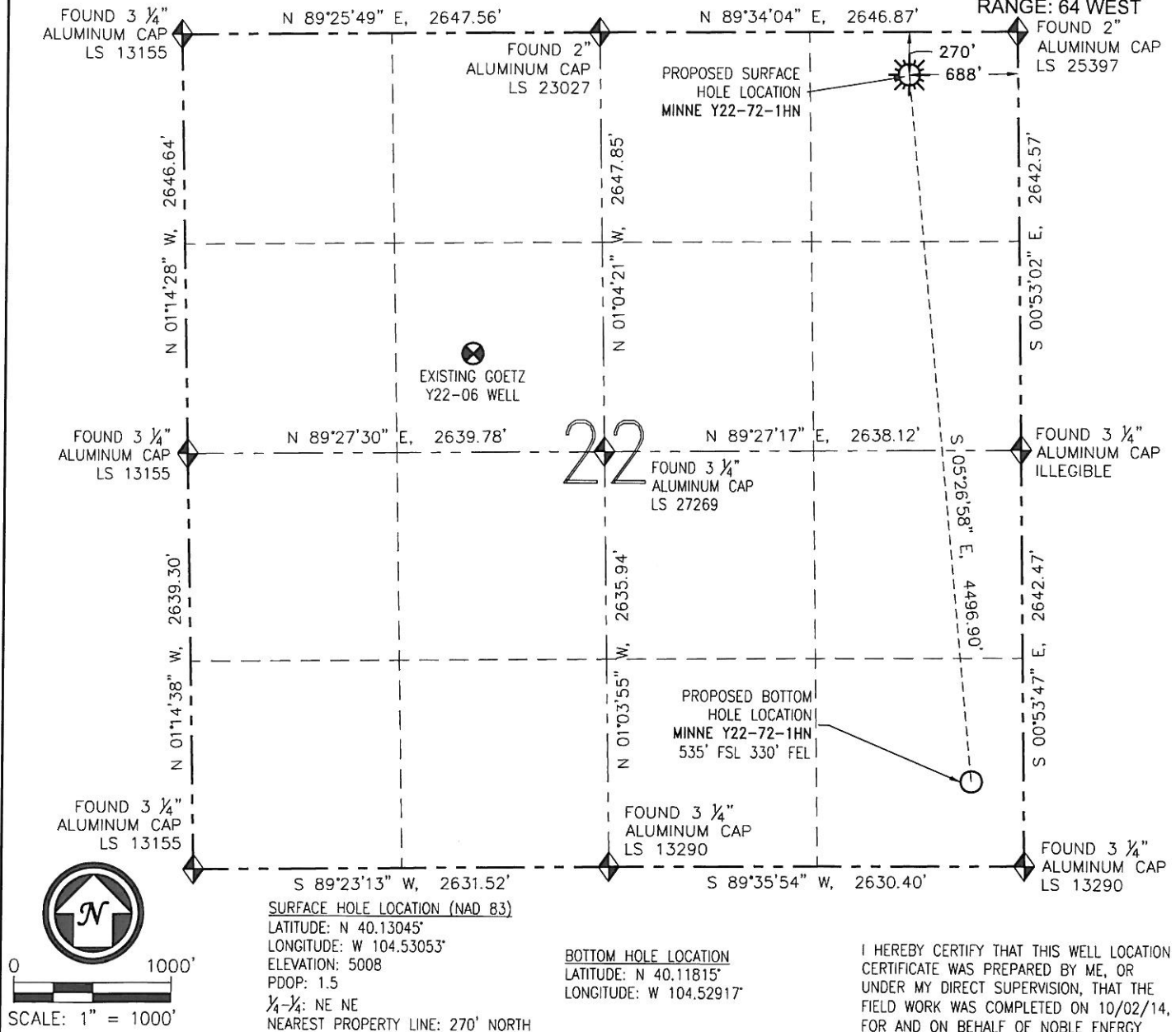


WELL LOCATION CERTIFICATE

MINNE Y22-72-1HN

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 22
TOWNSHIP: 2 NORTH
RANGE: 64 WEST



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 688' 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.

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.

- 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 3279' SW.
4. SEE LOCATION DRAWING FOR ALL IMPROVEMENTS WITHIN 400' OF THE OIL/GAS LOCATION.
5. SURFACE USE: CROPLAND.



FIELD DATE: 10/02/14
PLOT DATE: 10/06/14
DRAWN BY: CJD
JOB NO.: NE12305
SHEET NO.: 1 of 11

NOTICE:

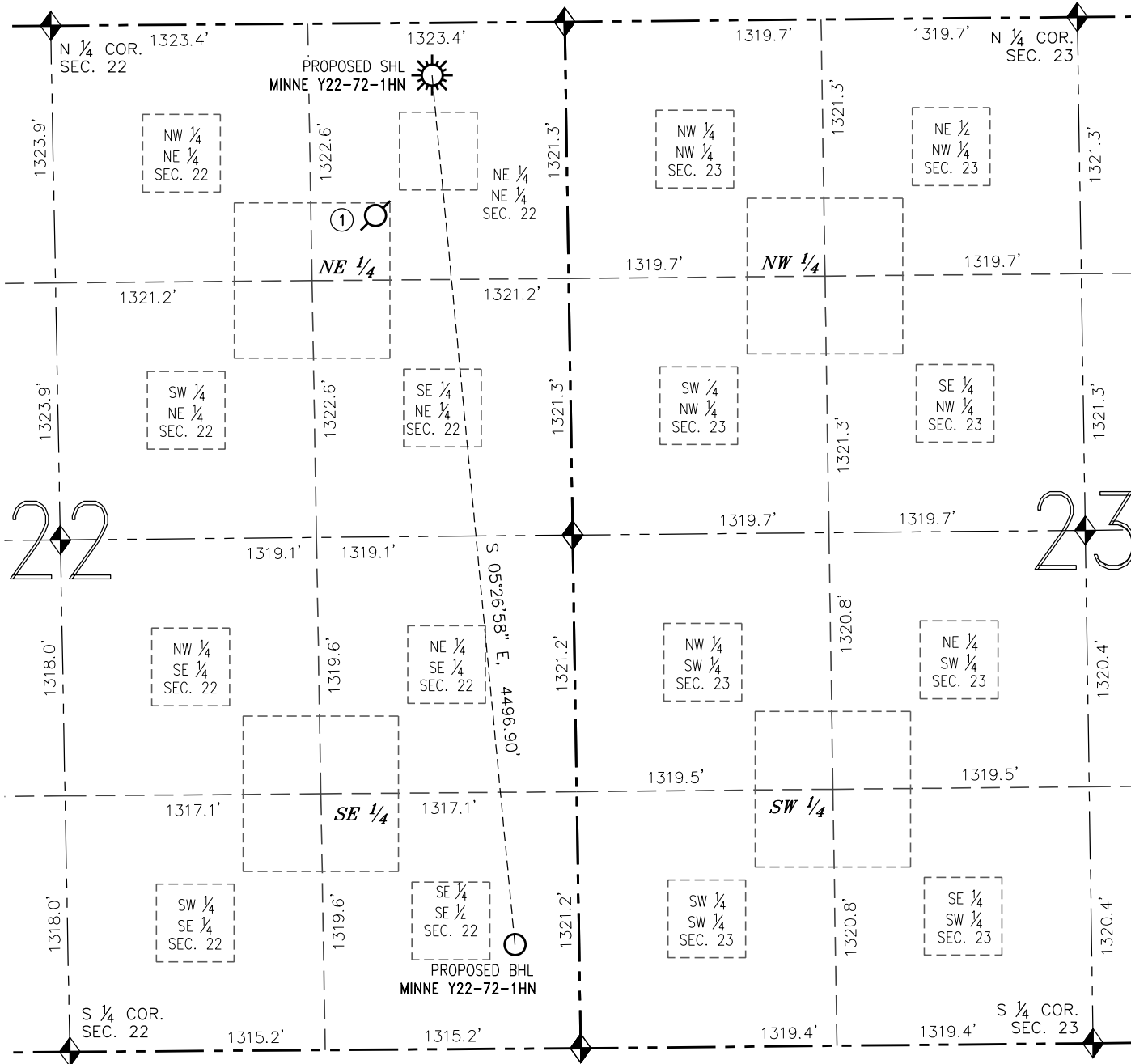
ACCORDING TO COLORADO LAW, YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS W.L.C. WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS W.L.C. BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF THE CERTIFICATION SHOWN HEREON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



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

MINNE Y22-72-1HN

SECTION: 22
TOWNSHIP: 2 NORTH
RANGE: 64 WEST



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



0 800' 1600'

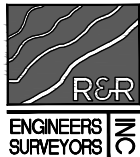
SCALE: 1" = 800'

LEGEND

-  PROPOSED WELL
 EXISTING WELL
 BOTTOM HOLE
 ABANDONED WELL
 FOUND MONUMENT

NOTES:

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



FIELD DATE: 10/02/14

PLOT DATE: 10/06/14

DRAWN BY: CJD

JOB NO.: NE12305

SHEET NO.: 2 of 11

MULTI-WELL PAD DIRECTIONAL LAYOUT

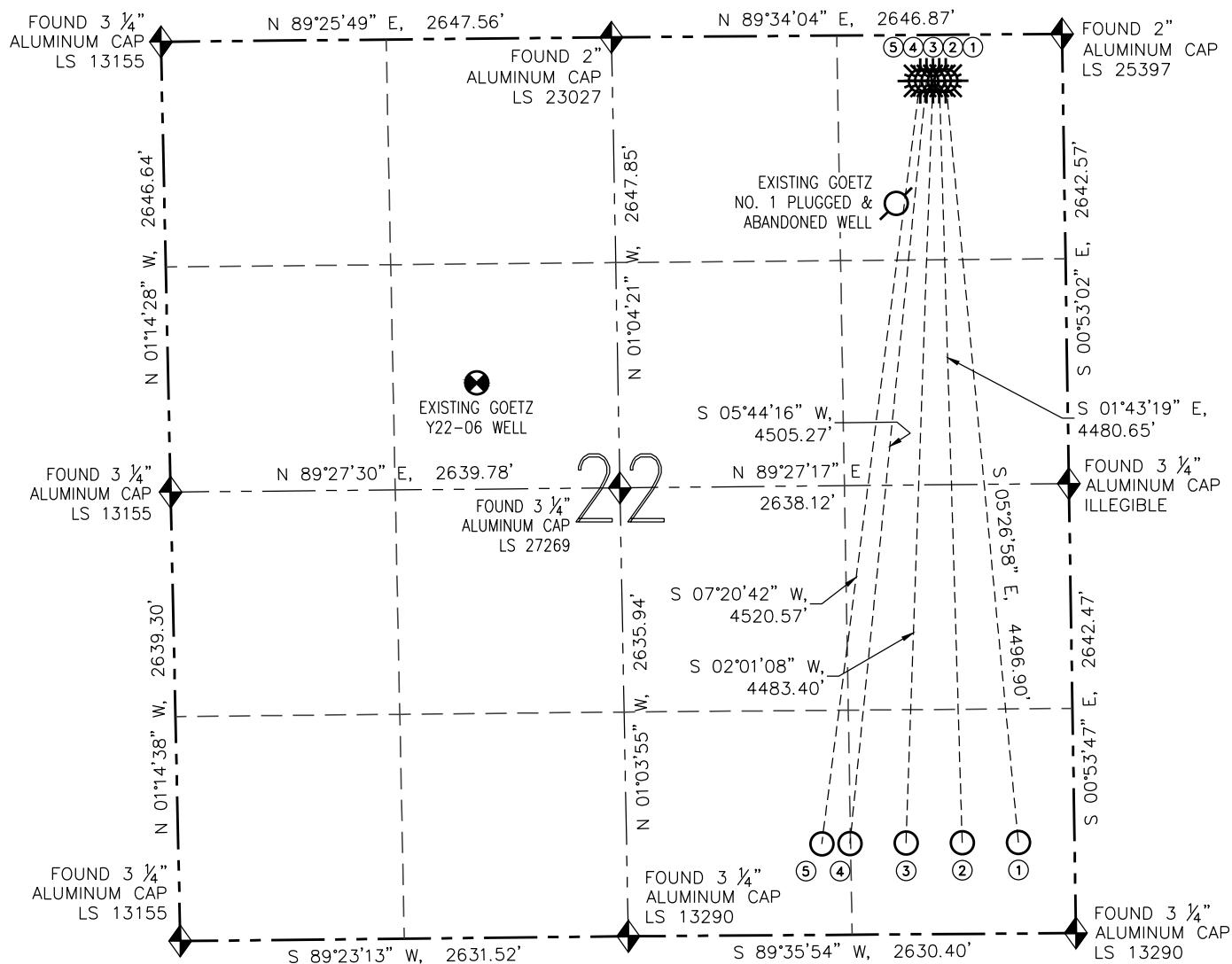
MINNE Y22-72-1HN, 72HN, 73-1HN, 73HN & 73HC

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 22

TOWNSHIP: 2 NORTH

RANGE: 64 WEST



NO.	WELL NAME	FOOTAGES		LATITUDE	LONGITUDE	1/4-1/4
1	MINNE Y22-72-1HN	BHL: 535' FSL	BHL: 330' FEL	BHL: N 40.11815°	BHL: W 104.52917°	BHL: SE SE
2	MINNE Y22-72HN	BHL: 535' FSL	BHL: 660' FEL	BHL: N 40.11816°	BHL: W 104.53035°	BHL: SE SE
3	MINNE Y22-73-1HN	BHL: 535' FSL	BHL: 990' FEL	BHL: N 40.11816°	BHL: W 104.53153°	BHL: SE SE
4	MINNE Y22-73HN	BHL: 535' FSL	BHL: 1320' FEL	BHL: N 40.11816°	BHL: W 104.53271°	BHL: SW SE
5	MINNE Y22-73HC	BHL: 535' FSL	BHL: 1485' FEL	BHL: N 40.11817°	BHL: W 104.53330°	BHL: SW SE



0 1000' 2000'



SCALE: 1" = 1000'



FIELD DATE: 10/02/14

PLOT DATE: 10/06/14

DRAWN BY: CJD

JOB NO.: NE12305

SHEET NO.: 8 of 11

LEGEND

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

MULTI-WELL PAD LOCATION DRAWING

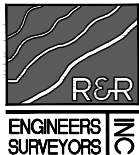
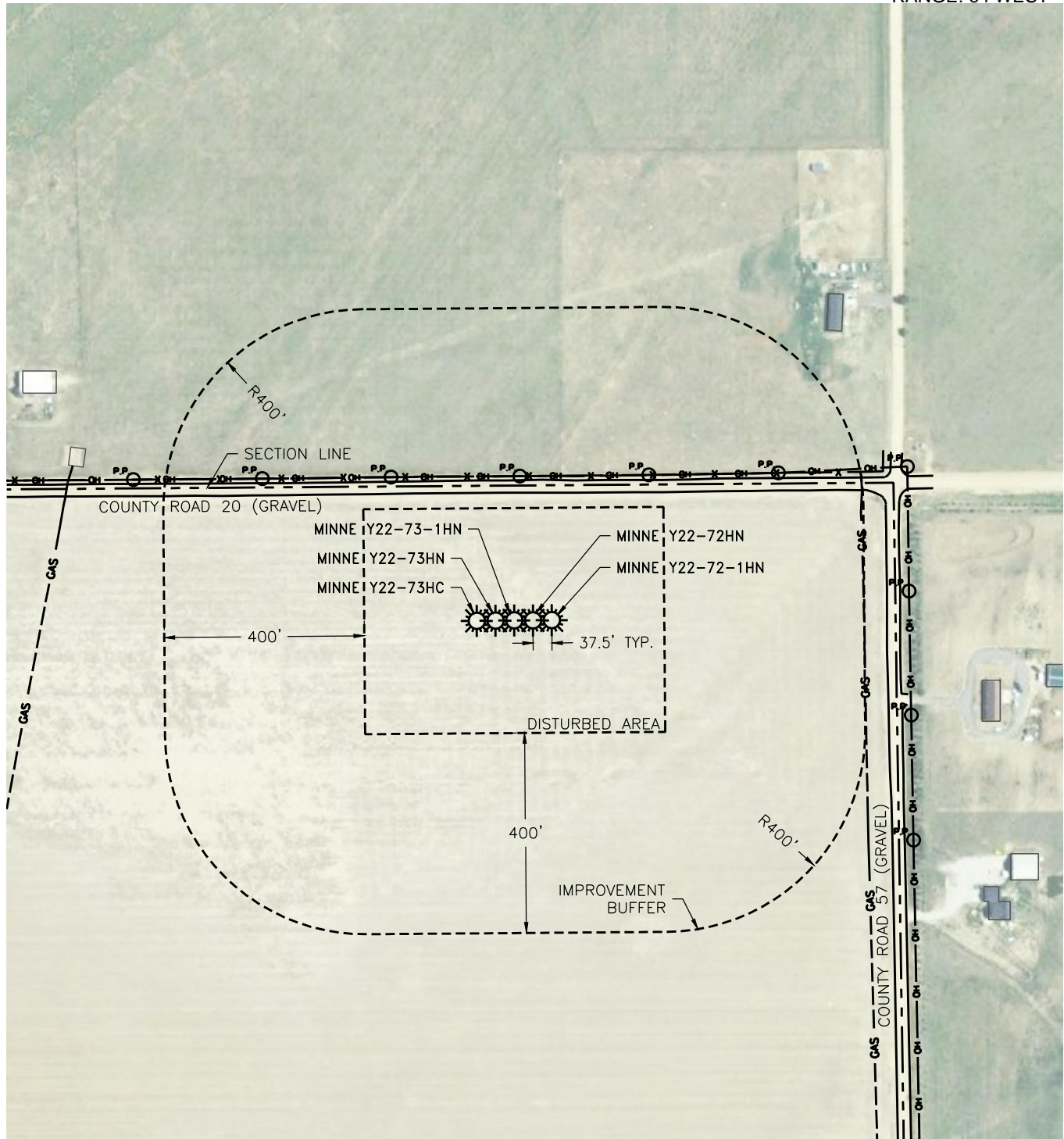
MINNE Y22-72-1HN, 72HN, 73-1HN, 73HN & 73HC

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

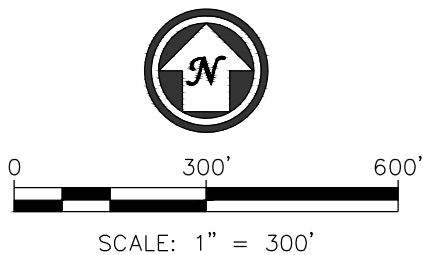
SECTION: 22

TOWNSHIP: 2 NORTH

RANGE: 64 WEST



FIELD DATE: 10/02/14
PLOT DATE: 10/06/14
DRAWN BY: CJD
JOB NO.: NE12305
SHEET NO.: 9 of 11



LEGEND
 PROPOSED WELL