

Cheyenne, Wyoming 82001

SECTION 4  
TOWNSHIP 3 NORTH  
RANGE 64 WEST

1/4" ALUMINUM CAP  
(LS 7242)

### LEGEND

FOUND SURVEY MONUMENT PER  
MONUMENT RECORD - EXCEPTIONS NOTED.

(C) CALCULATED DIMENSION

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 this said date of the certification shown hereon.

LATITUDE &amp; LONGITUDE (NAD 83)

SURFACE HOLE):

LATITUDE: N 40.26107°

LONGITUDE: W 104.56433°

PDOP:

QUARTER-QUARTER: NW/4NW/4

NEAREST PROPERTY LINE: 245' NORTH

BOTTOM HOLE  
LAT: N 40.26195  
LONG: W 104.54847

BOTTOM HOLE  
 LOCATION  
 75 FSL  
 535 FEL

2 1/2" ALUMINUM CAP  
(LS 28656)

S.89°21'32"W. 2624.89'

1/2" ALUMINUM CAP  
(LS 25619)

2 1/2" ALUMINUM CAP

N. 85°13'27"E. 4437.98

18'

0.0

N.89°09'22"E. 2625.59'

N.89°09'22"E. 2625.31

2 1/2" ALUMINUM CAP  
(ILLEGIBLE)

2½" ALUMINUM CAP  
(LS 9644)

2 1/2" ALUMINUM CAP  
(LS 10855)

N. 88°59'36"E. 2625.64'

2½" ALUMINUM CAP  
(LS 28656)

NOTES:

- 1) BASIS OF BEARINGS FOR THIS MAP ARE BASED UPON GPS OBSERVATIONS MADE ON 09/15/2009 BETWEEN MONUMENTS LOCATED AT THE SOUTHEAST SECTION CORNER AND THE NORTHEAST SECTION CORNER OF SAID SECTION AND WITH ALL BEARINGS SHOWN HEREON RELATIVE THERETO.
- 2) COORDINATES SHOWN ARE COLORADO STATE PLANE (NORTH ZONE) NAD 83.
- 3) ELEVATIONS ARE BASED UPON NGPS OSGP SOUTLON VAW 88 DATUM.
- 4) THE NEAREST EXISTING WELL IS: MARIE D-4-4, 549' SOUTHEAST.
- 5) SEE LOCATION DRAWING FOR ALL IMPROVEMENTS WITHIN VISIBLE IMPROVEMENTS LIMIT.
- 6) THE LOCATION FALLS IN PASTURE LAND.



0 1000

Scale: 1" = 1000'

Completed 02/07/2011  
David C. Holmes  
Professional Land Surveyor Registration No. 32828  
State of Colorado

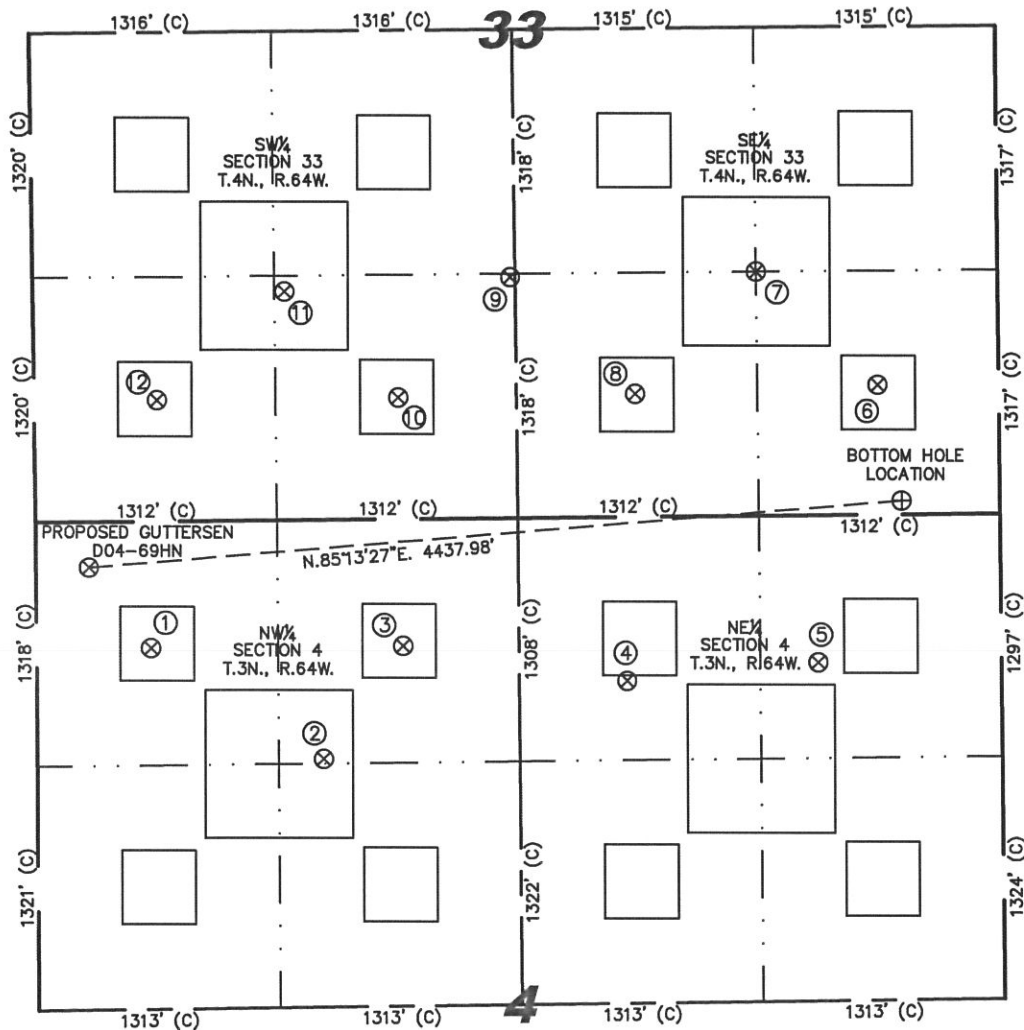
Completed 02/07/2011

JOB #: 10086



# SITE SKETCH - GUTTERSEN D04-69HN

SECTIONS 4  
TOWNSHIP 3 NORTH  
RANGE 64 WEST



- |   |   |   |   |   |   |
|---|---|---|---|---|---|
| ①<br>MARIE D4-4<br>NW/NW SEC. 4<br>T.3N., R.64W.<br>683' FNL<br>624' FWL<br>EL 4745'<br>N 40.25986<br>W 104.56314<br>PDOP 2.2           | ②<br>MARIE D4-19<br>NE/NW SEC. 4<br>T.3N., R.64W.<br>1292' FNL<br>1556' FWL<br>EL 4723'<br>N 40.25819<br>W 104.55981<br>PDOP 2.2  | ③<br>MARIE D4-3<br>NE/NW SEC. 4<br>T.3N., R.64W.<br>685' FNL<br>1992' FWL<br>EL 4720'<br>N 40.25986<br>W 104.55824<br>PDOP 2.7          | ④<br>KARCH BLUE<br>D4-02<br>NW/NE SEC. 4<br>T.3N., R.64W.<br>885' FNL<br>2039' FEL<br>EL 4711'<br>N 40.25932<br>W 104.55387<br>PDOP 2.1 | ⑤<br>TWO E RANCH<br>1-4<br>NE/NE SEC. 4<br>T.3N., R.64W.<br>795' FNL<br>997' FEL<br>EL 4708'<br>N 40.25956<br>W 104.55014<br>PDOP 2.1   | ⑥<br>LINDSAY C33-16<br>SE/SE SEC. 33<br>T.4N., R.64W.<br>701' FSL<br>659' FEL<br>EL 4706'<br>N 40.26367<br>W 104.54890<br>PDOP 2.8    |
| ⑦<br>LINDSAY<br>C33-23<br>SE/SE SEC. 33<br>T.4N., R.64W.<br>1317' FSL<br>1314' FEL<br>EL 4705'<br>N 40.26536<br>W 104.55124<br>PDOP 2.4 | ⑧<br>LINDSAY 33-1<br>SW/SE SEC. 33<br>T.4N., R.64W.<br>665' FSL<br>1980' FEL<br>EL 4720'<br>N 40.26357<br>W 104.55364<br>PDOP 2.5 | ⑨<br>LINDSAY<br>C33-24<br>SE/SW SEC. 33<br>T.4N., R.64W.<br>1300' FSL<br>2600' FWL<br>EL 4716'<br>N 40.26531<br>W 104.55605<br>PDOP 2.4 | ⑩<br>LINDSAY C33-2<br>SE/SW SEC. 33<br>T.4N., R.64W.<br>657' FSL<br>1980' FWL<br>EL 4719'<br>N 40.26354<br>W 104.55827<br>PDOP 2.8      | ⑪<br>LINDSAY<br>C33-25<br>SE/SW SEC. 33<br>T.4N., R.64W.<br>1234' FSL<br>1369' FWL<br>EL 4726'<br>N 40.26513<br>W 104.56046<br>PDOP 2.5 | ⑫<br>LINDSAY<br>C33-13<br>SW/SW SEC. 33<br>T.4N., R.64W.<br>655' FSL<br>670' FWL<br>EL 4735'<br>N 40.26354<br>W 104.56297<br>PDOP 2.4 |

## NOTES:

- THIS SKETCH DOES NOT REPRESENT A BOUNDARY SURVEY.
- THE DATUM FOR THE LATITUDES AND LONGITUDES ON THIS SKETCH IS NAD83.



0 500  
Scale: 1" = 500'



Steil Surveying Services, LLC

1102 West 19th Street P.O. BOX 2073

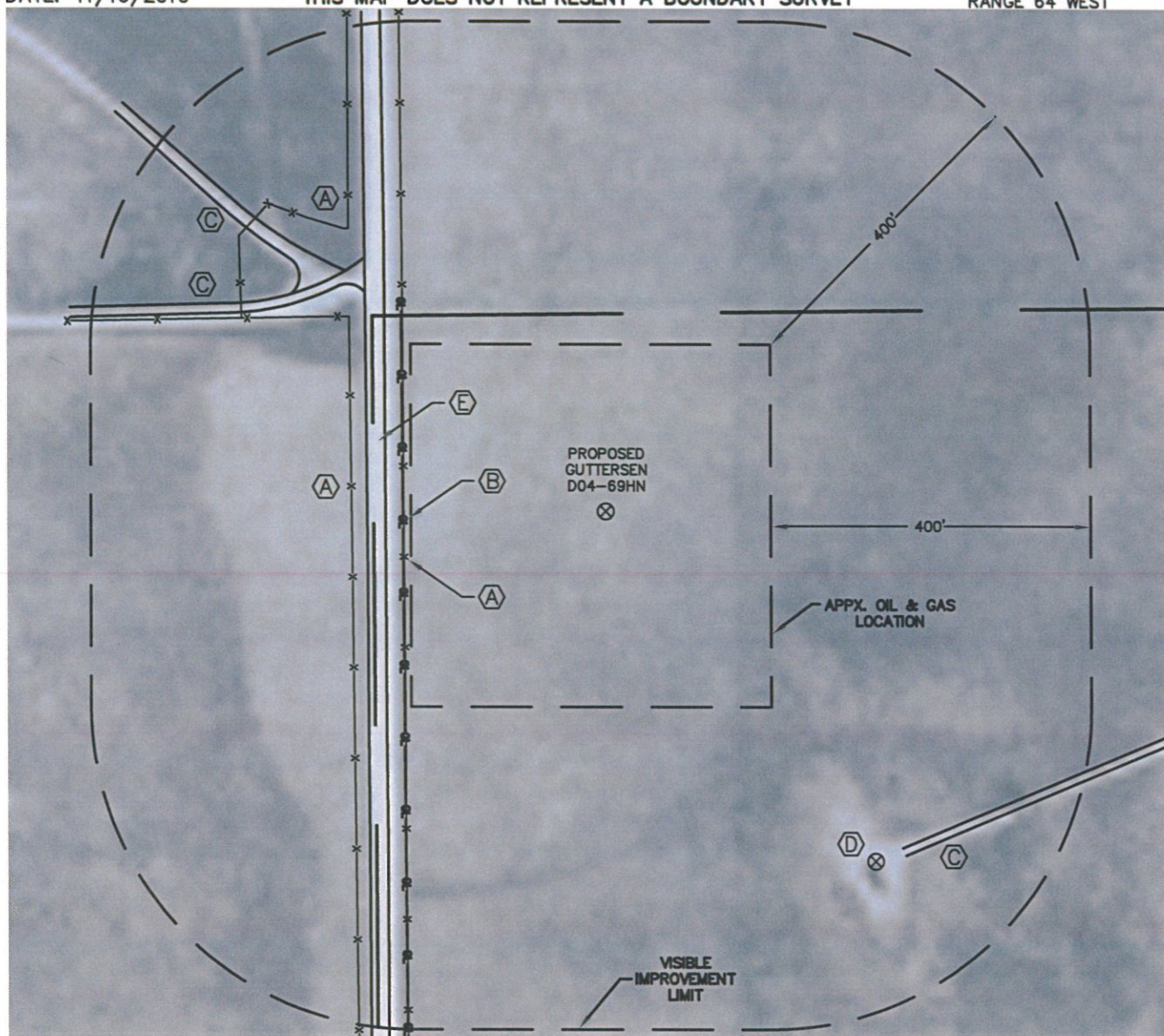
Cheyenne, Wyoming 82009

LOCATION DRAWING

SECTION 4  
TOWNSHIP 3 NORTH  
RANGE 64 WEST

DATE: 11/16/2010

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY



IMPROVEMENTS:

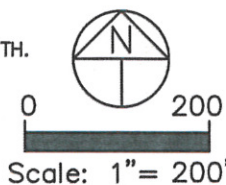
- (A) FENCE LINES - 252' & 318' WEST AND 476' NORTHWEST
- (B) BURIED GAS LINE - 253' WEST
- (C) DIRT ROADS - 424' & 570'+/- NORTHWEST AND 558' SOUTHEAST
- (D) EXISTING MARIE D4-4 WELL - 549' SOUTHEAST
- (E) GRAVEL COUNTY ROAD NO. 53 - 275' WEST

THE NEAREST OVERHEAD POWER LINE IS 1700'+/- NORTH.

NEW WELL DATA

ELEV = 4747', PDOP: 2.7  
NW $\frac{1}{4}$ NW $\frac{1}{4}$  SEC 4  
245' FNL, 290' FWL  
LAT: N 40.26107  
LONG: W 104.56433  
NEAREST PROP LINE: 245' NORTH  
NEAREST ACTIVE RAILROAD: MORE THAN  
ONE MILE AWAY  
NEAREST BUILDING: 1700'+/- NORTH  
COUNTY ROAD NO. 53: 275' WEST

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 this sold date of the certification shown hereon.



NOTE: The orientation of the oil & gas location as shown was determined by Noble Energy.



Stell Surveying Services, LLC

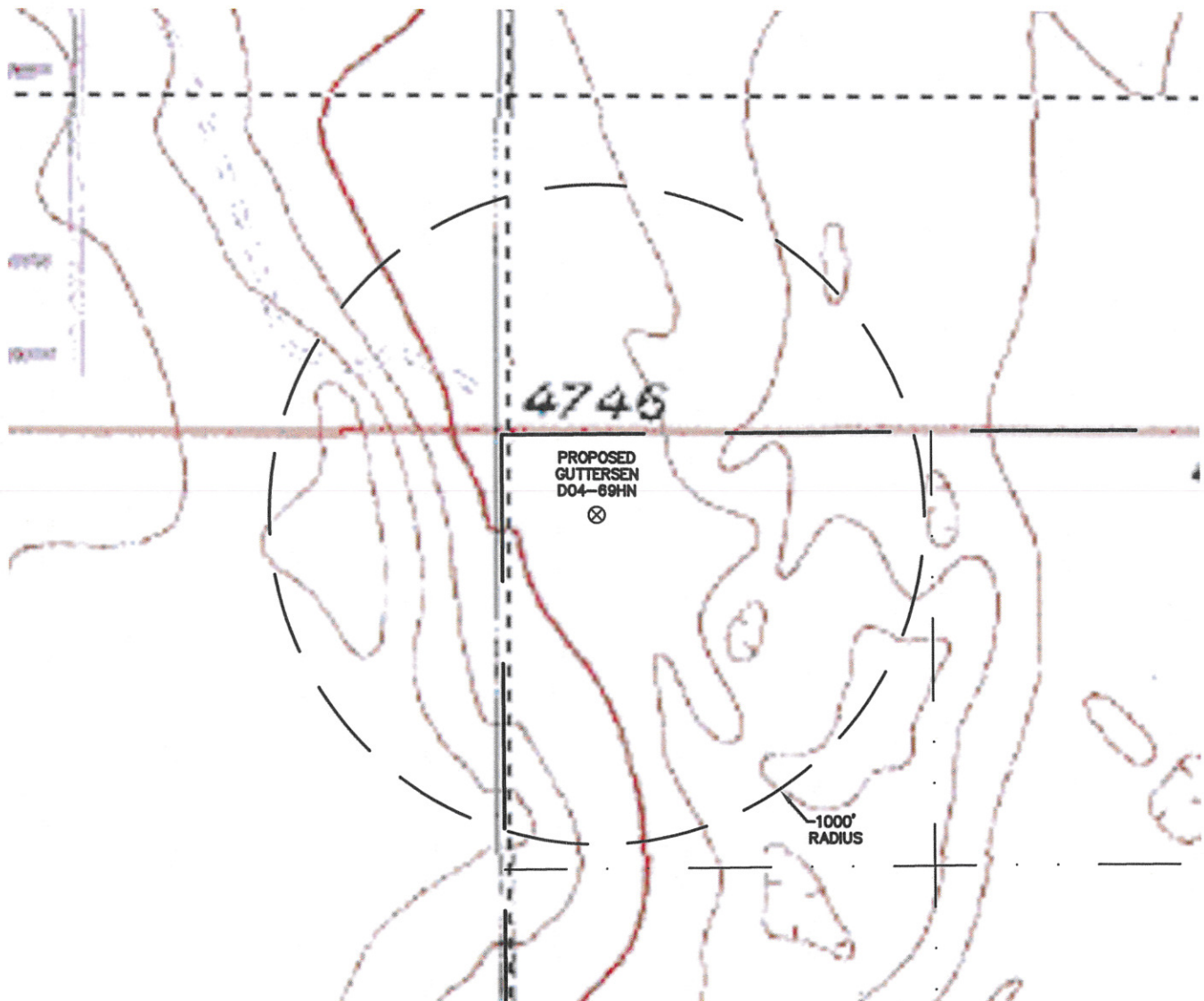
1102 West 19th Street P.O. BOX 2073

Cheyenne, Wyoming 82009

# HYDROLOGY MAP

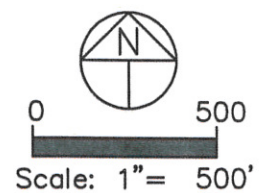
THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION 4  
TOWNSHIP 3 NORTH  
RANGE 64 WEST



THERE IS NO VISIBLE SURFACE WATER WITHIN 1000'.

DATE: 11/16/2010

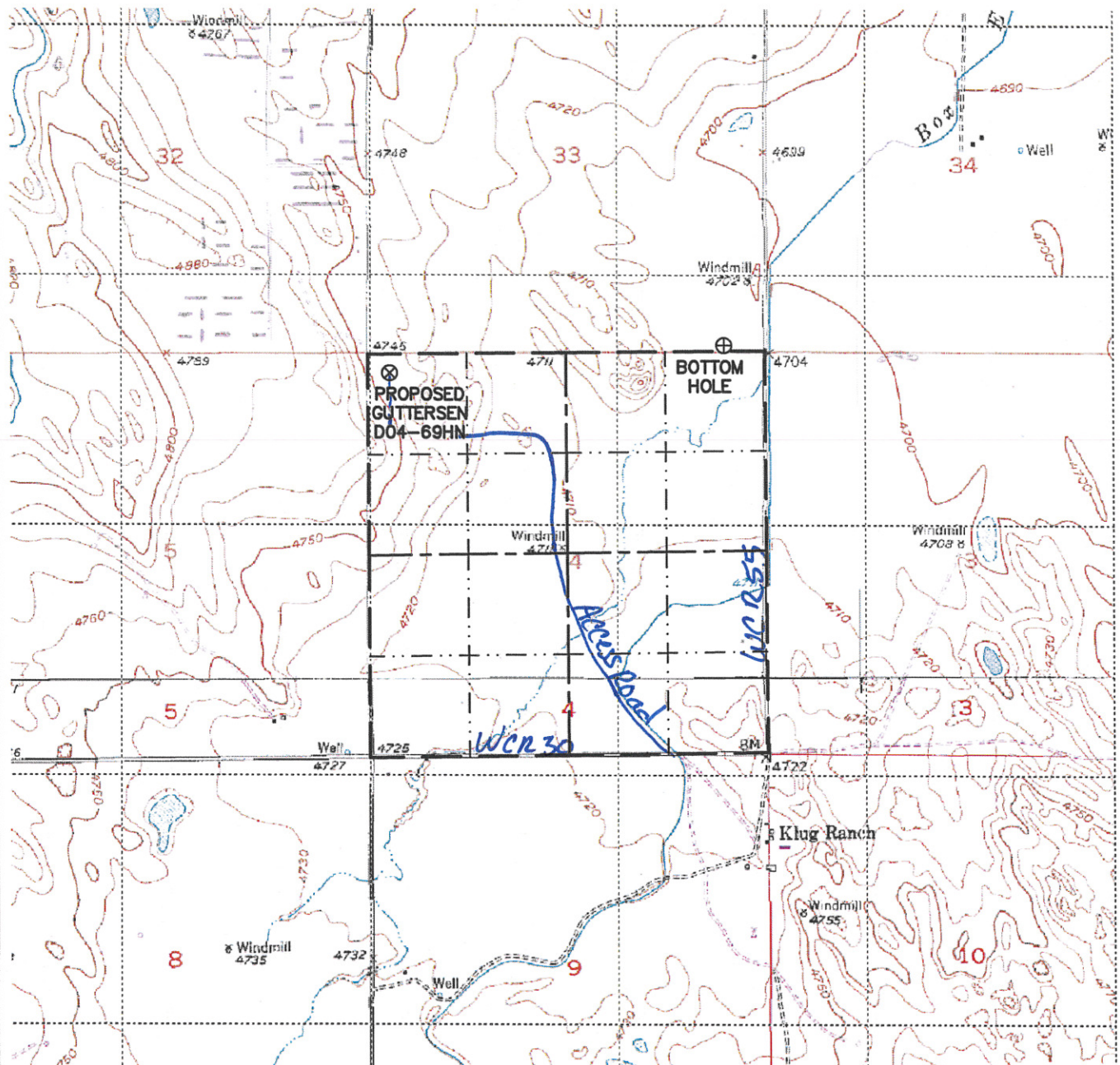


Stell Surveying Services, LLC

1102 West 19th Street P.O. BOX 2073  
ACCESS ROAD MAP

Cheyenne, Wyoming 82009

SECTION 4  
TOWNSHIP 3 NORTH  
RANGE 64 WEST

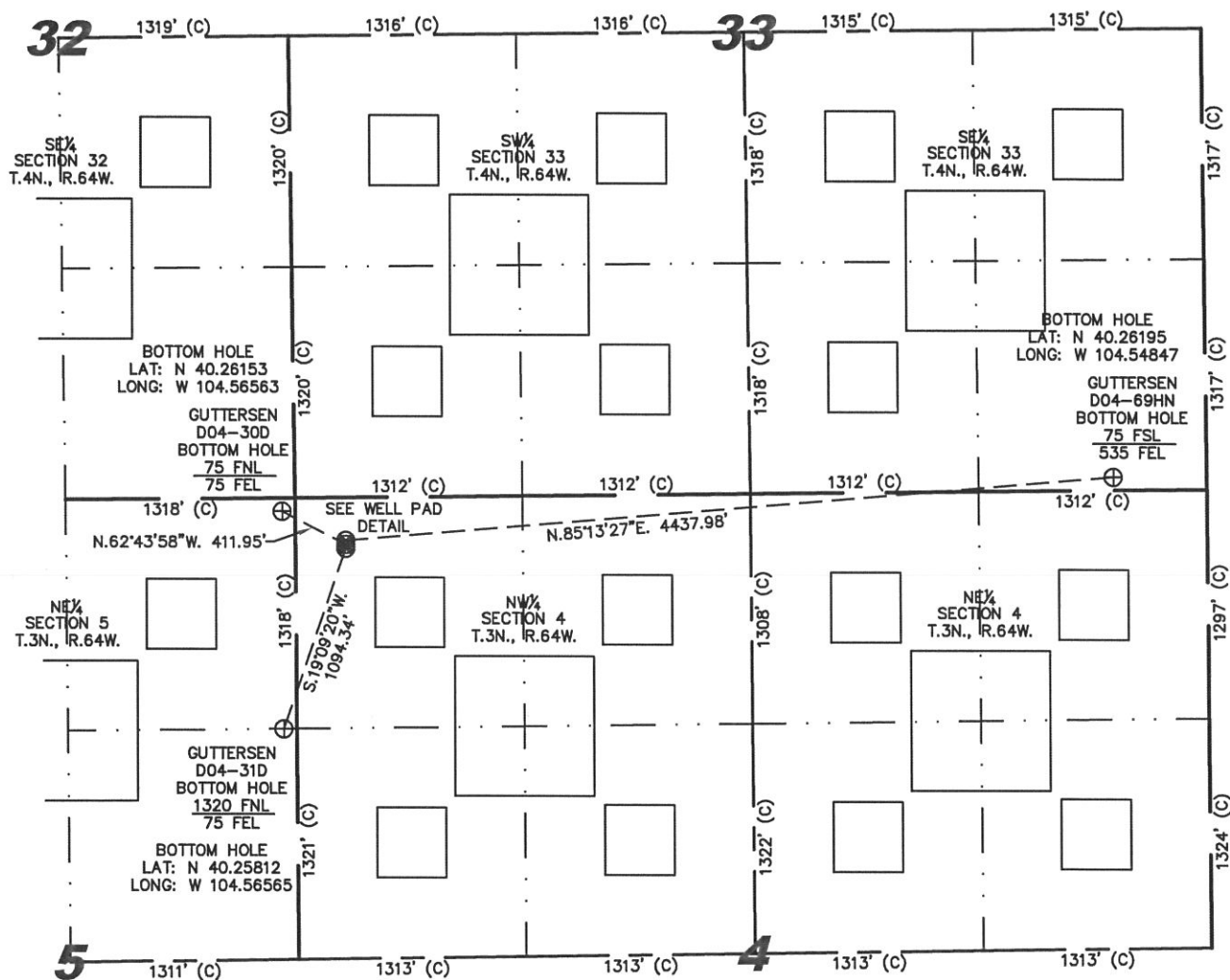


0 2000

Scale: 1" = 2000'

Cheyenne, Wyoming 82009

SECTION 4  
TOWNSHIP 3 NORTH  
RANGE 64 WEST



NOTES:

- 1) THIS SKETCH DOES NOT REPRESENT A BOUNDARY SURVEY.
- 2) THE DATUM FOR THE LATITUDES AND LONGITUDES ON THIS SKETCH IS NAD83.

