

Steil Surveying Services, LLC

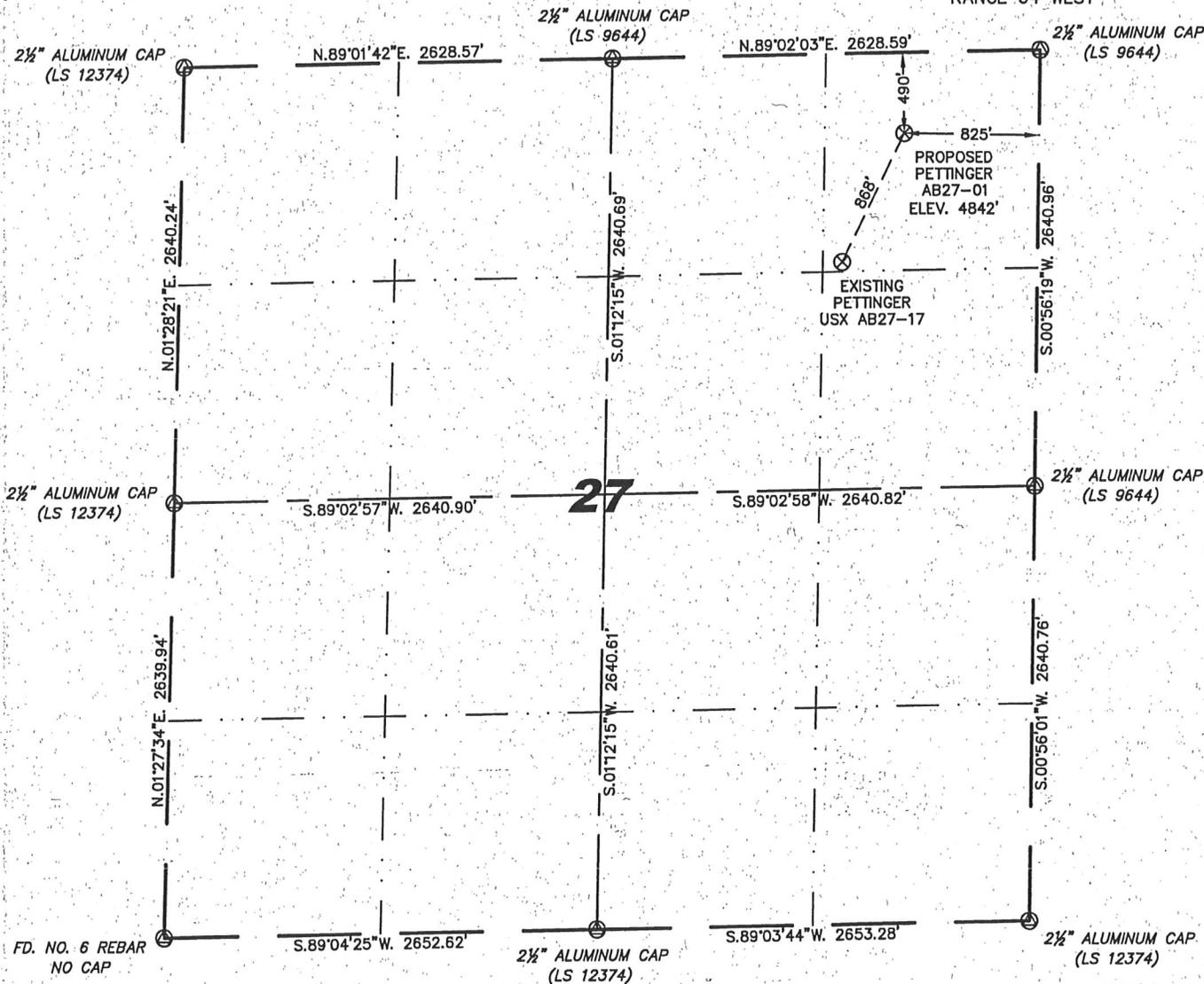
1102 West 19th Street P.O. BOX 2073

Cheyenne, Wyoming 82009

WELL LOCATION CERTIFICATE

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION 27
TOWNSHIP 7 NORTH
RANGE 64 WEST



0 1000
Scale: 1" = 1000'

IN ACCORDANCE WITH A REQUEST FROM RYAN ANTONIO - NOBLE ENERGY INC, STEIL SURVEYING SERVICES, LLC HAS DETERMINED THE LOCATION OF THE PETTINGER AB27-01 WELL TO BE 490' FNL, 825' FEL, AS MEASURED AT NINETY (90) DEGREES FROM THE SECTION LINES, SECTION 27, TOWNSHIP 7 NORTH, RANGE 64 WEST, 6TH PRINCIPLE MERIDIAN, WELD COUNTY, COLORADO.

I HEREBY CERTIFY THAT THIS WELL LOCATION CERTIFICATE WAS PREPARED BY ME, OR UNDER MY DIRECT SUPERVISION, THAT THE FIELD WORK WAS COMPLETED ON 10/20/2010, 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 FENCE, BUILDING, OR OTHER FUTURE IMPROVEMENT LINES.

NOTES:

- 1) BASIS OF BEARINGS FOR THIS MAP ARE BASED UPON GPS OBSERVATIONS MADE ON 10/13/2010 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 NGS OPUS SOLUTION NAVD 88 DATUM.
- 4) THE NEAREST EXISTING WELL IS: PETTINGER USX AB27-17, 868' SOUTHWEST.
- 5) SEE VISIBLE IMPROVEMENTS EXHIBIT FOR ALL IMPROVEMENTS WITHIN 600'.
- 6) THE LOCATION FALLS IN IRRIGATED CROP LAND.

LATITUDE & LONGITUDE (NAD 83 SURFACE HOLE):
 LATITUDE: N 40.55016°
 LONGITUDE: W 104.52925°
 PDOP: 2.2
 QUARTER-QUARTER: NE/4NE/4
 NEAREST PROPERTY LINE: 490' NORTH

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 sold date of the certification shown hereon.



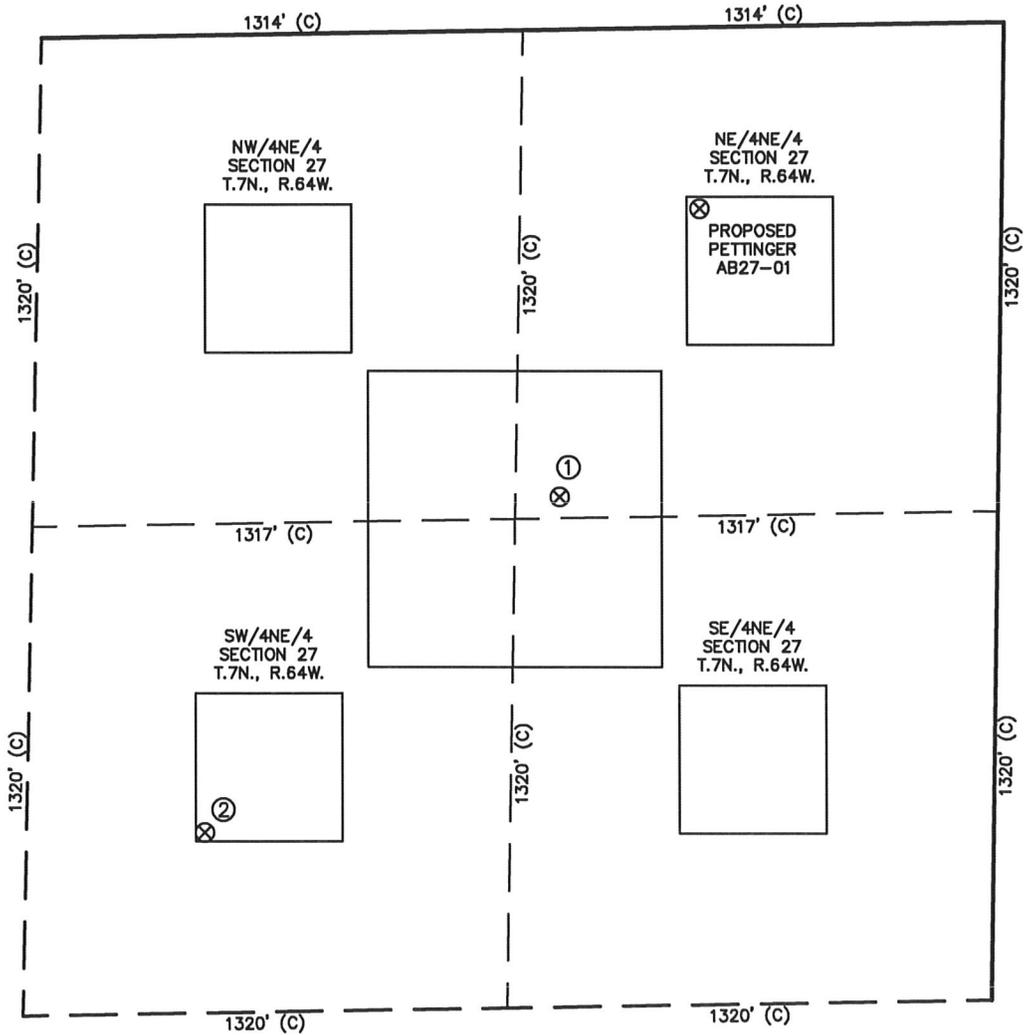
Completed 10/21/2010

David C. Holmes
 Professional Land Surveyor Registration No. 32828
 State of Colorado

JOB #: 10086

SKETCH – PETTINGER AB27-01

SECTION 27
TOWNSHIP 7 NORTH
RANGE 64 WEST



①

PETTINGER USX
AB27-17
NE/NE SEC. 27
1262' FNL
1195' FEL
EL 4853'
N 40.54803
W 104.53066
PDOP 1.9

②

PETTINGER USX
AB27-7
SW/NE SEC. 27
2152' FNL
2150' FEL
EL 4877'
N 40.54557
W 104.53419
PDOP 1.4

NOTES:

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



Scale: 1" = 500'