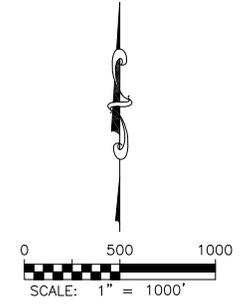
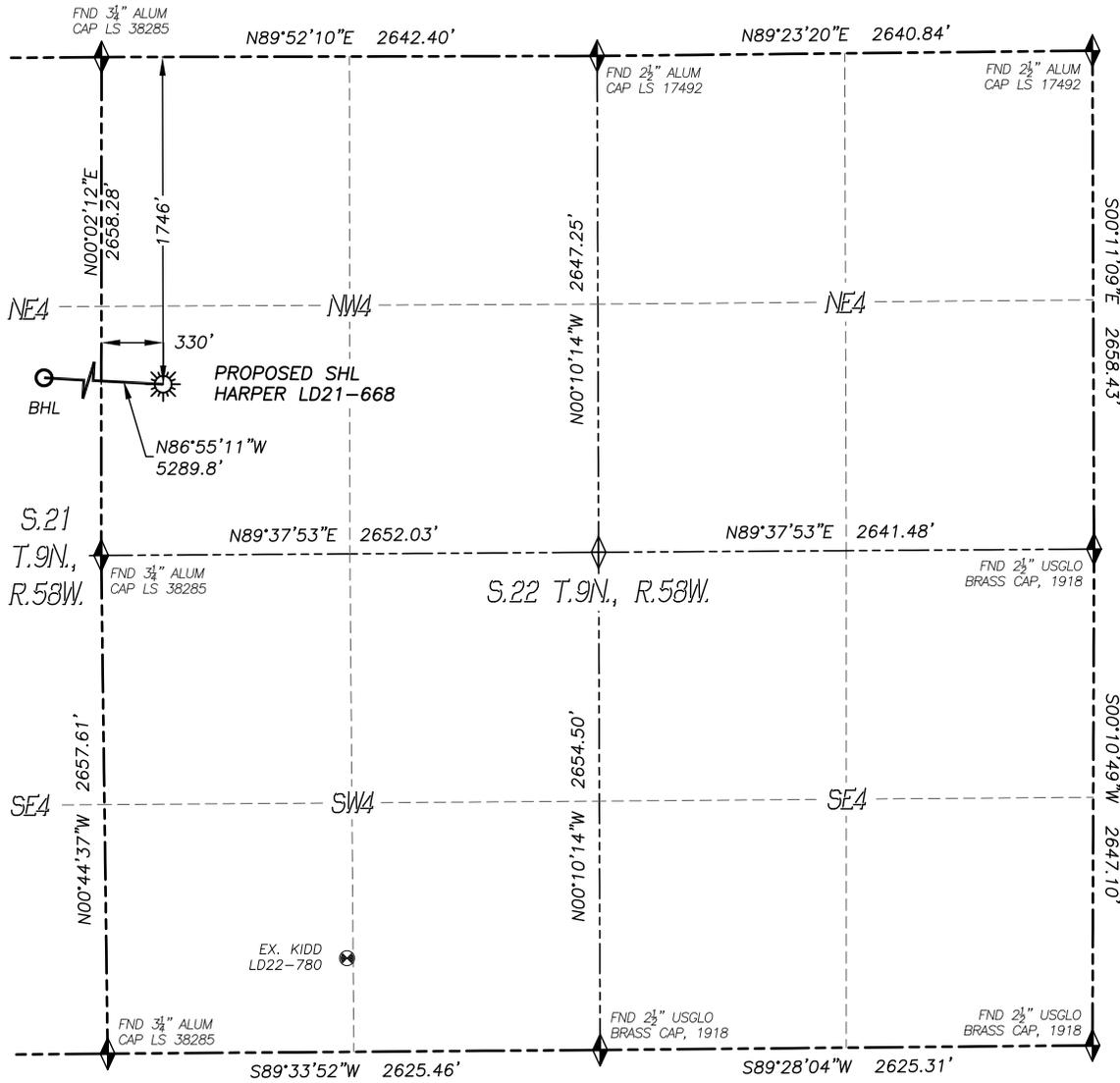


DALEY LAND SURVEYING, INC. 970.302.4159
WELL LOCATION CERTIFICATE
HARPER LD21-668

SECTION: 22
 TOWNSHIP: 9N
 RANGE: 58W



- LEGEND**
- ◆ FOUND MONUMENT AS DESCRIBED
 - ☀ PROPOSED WELL
 - ⊙ EXISTING WELL
 - BOTTOM HOLE
 - ⊖ ABANDONED WELL
 - ◇ CALCULATED POSITION

IN ACCORDANCE WITH A REQUEST FROM REGGY GRAY OF NOBLE ENERGY INC., DALEY LAND SURVEYING, INC. HAS DETERMINED THE SURFACE LOCATION OF THE HARPER LD21-668 WELL TO BE 1746' FNL, 330' FWL, AS MEASURED AT NINETY (90) DEGREES FROM THE SECTION LINES OF SECTION 22, TOWNSHIP 9 NORTH, RANGE 58 WEST, AND THE BOTTOM HOLE LOCATION TO BE 1430' FNL, 330' FWL, AS MEASURED AT NINETY (90) DEGREES FROM THE SECTION LINES OF SECTION 21, TOWNSHIP 9 NORTH, RANGE 58 WEST, OF THE 6TH PRINCIPAL MERIDIAN, WELD COUNTY, COLORADO.

I HEREBY STATE THAT THIS WELL LOCATION CERTIFICATE WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, THAT THE WORK WAS COMPLETED ON 11/20/2015 FOR AND ON BEHALF OF NOBLE ENERGY, INC., AND THAT THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY, IT IS NOT A LAND SURVEY PLAT OR AN IMPROVEMENT SURVEY PLAT AND IT IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OF FENCE, BUILDING OR OTHER FUTURE IMPROVEMENT LINES.

NOTES:

- 1) BEARINGS FOR THIS MAP ARE ASSUMED AND BASED UPON GPS OBSERVATIONS MADE BETWEEN MONUMENTS LOCATED AT THE NORTHWEST CORNER AND NORTH QUARTER CORNER OF SECTION 22, T.9N., R.58W.
- 2) HORIZONTAL DATUM IS NAD83.
- 3) VERTICAL DATUM IS NAVD88 AND ORIGINATES FROM THE LOCAL C.O.R.S. NETWORK, UTILIZING THE GEOID12A MODEL.
- 4) SEE LOCATION DRAWING FOR VISIBLE IMPROVEMENTS WITHIN 500' OF PROPOSED DISTURBED AREA.
- 5) SURFACE USE: RANGE LAND.
- 6) INST. OPERATOR: TREVOR DALEY.
- 7) NEAREST WELL: 3214'± SE. - KIDD LD22-780

NEAREST CULTURAL ITEMS:

BUILDING:	4452'± NE
BUILDING UNIT:	4507'± NE
HIGH OCC. BLD. UNIT:	5280'+
DES. OUTSIDE ACTIVITY AREA:	5280'+
PUBLIC ROAD:	307'± W
ABOVE GROUND UTILITY:	4727'± NE
RAILROAD:	5280'+
PROPERTY LINE:	330'± W

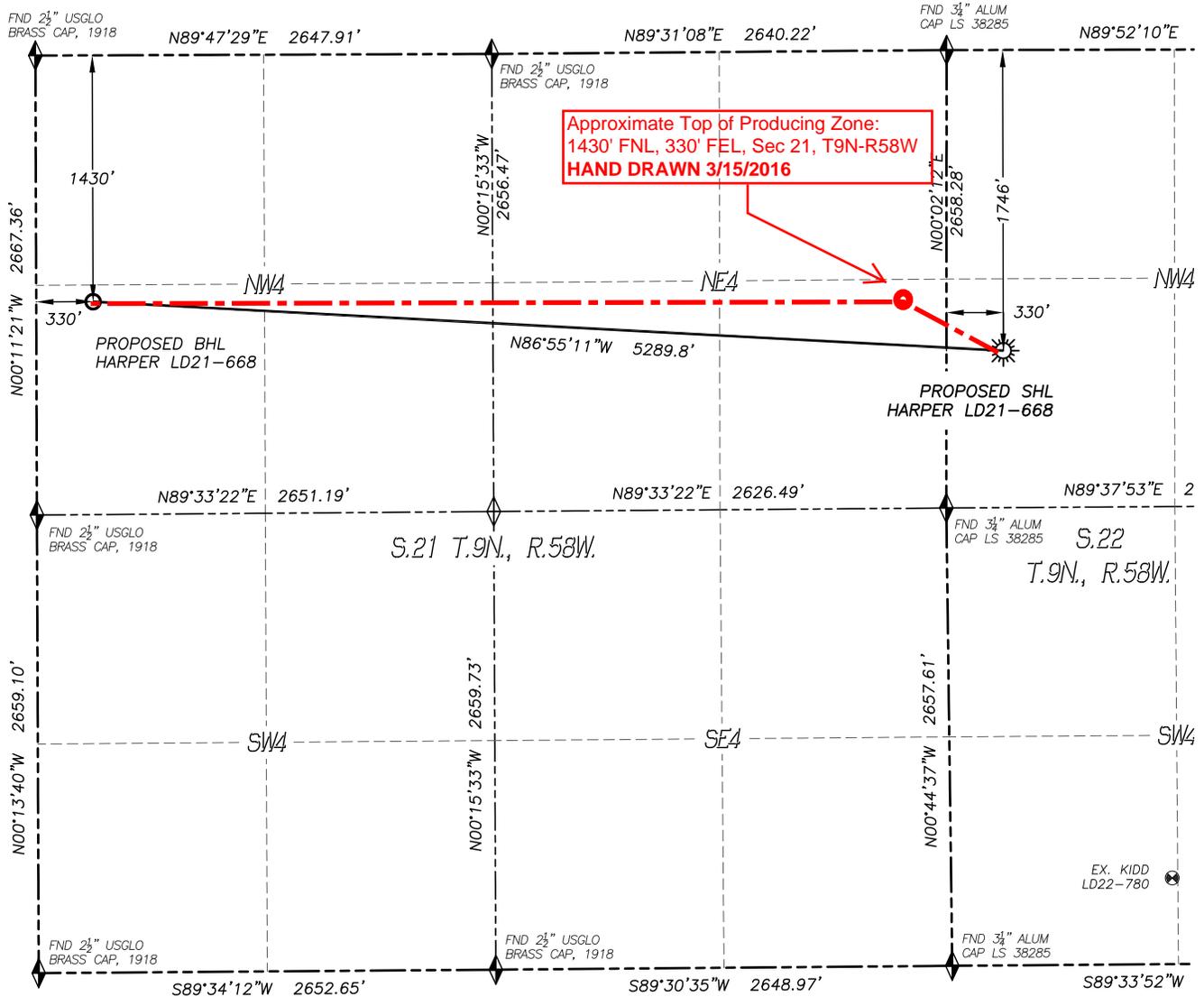
NAD 83 LATITUDE AND LONGITUDE	
SURFACE LOCATION:	BOTTOM HOLE:
LATITUDE: N40.73925°	LATITUDE: N40.74004°
LONGITUDE: W103.85835°	LONGITUDE: W103.87741°
ELEV: 4776'	
PDOP: 1.4	
QTR/QTR: SW4/NW4	

COLORADO REGISTERED
 ROBERT DALEY
 1-21-16
 35597
Robert Daley
 PROFESSIONAL LAND SURVEYOR
 FOR AND ON BEHALF OF
 DALEY LAND SURVEYING INC.,
 Robert Daley, PLS 35597

\\Survey\0810234\Drawings\LD22-05_Pad\Harper LD21-668.dwg

DALEY LAND SURVEYING, INC. 970.302.4159
WELL LOCATION CERTIFICATE
HARPER LD21-668

SECTION: 22
 TOWNSHIP: 9N
 RANGE: 58W



Approximate Top of Producing Zone:
 1430' FNL, 330' FEL, Sec 21, T9N-R58W
HAND DRAWN 3/15/2016

- LEGEND**
- ◆ FOUND MONUMENT AS DESCRIBED
 - ☀ PROPOSED WELL
 - ⊙ EXISTING WELL
 - BOTTOM HOLE
 - ⊘ ABANDONED WELL
 - ◇ CALCULATED POSITION

