

DALEY LAND SURVEYING, INC.

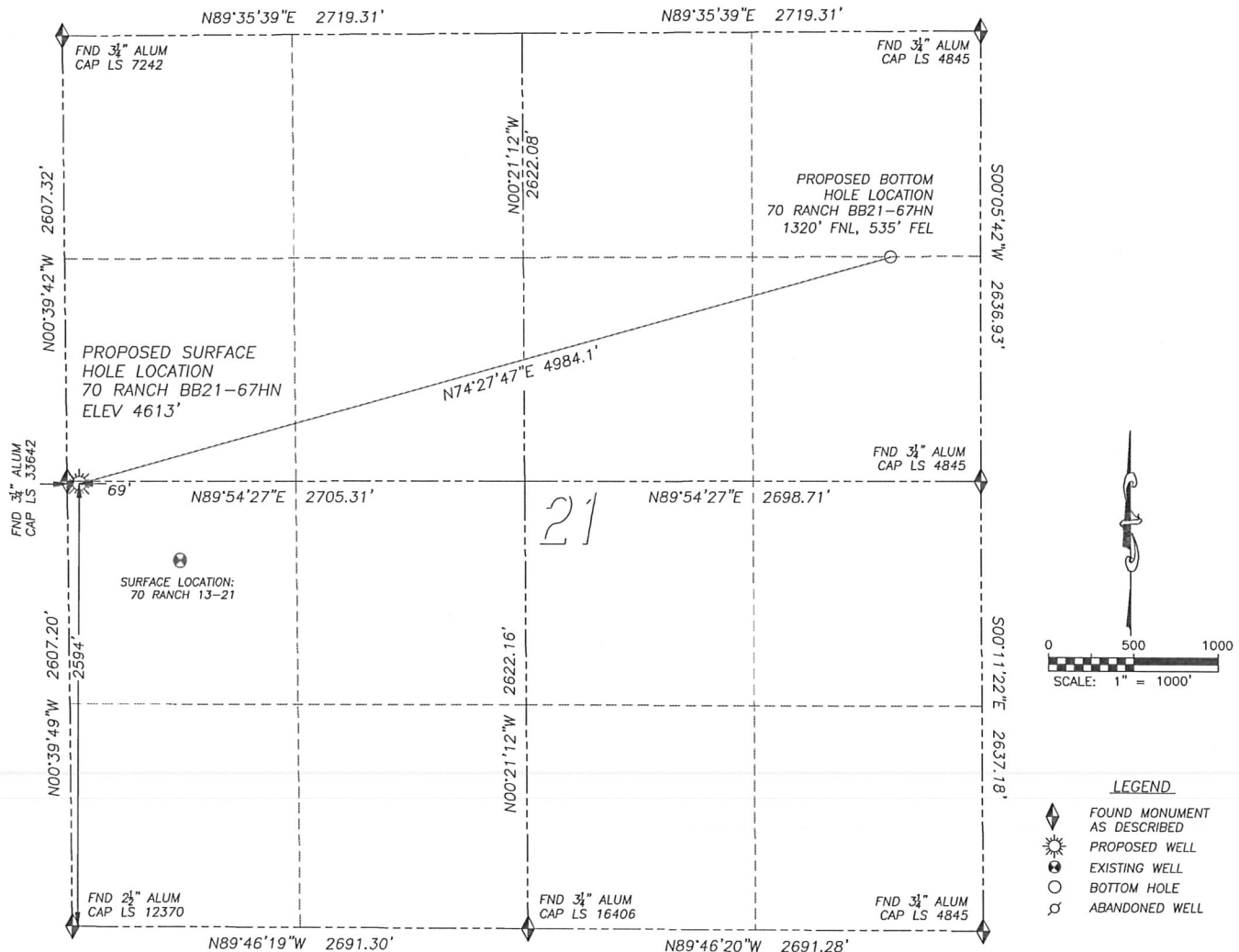
PARKER, CO. 80134

303 953 9841

# WELL LOCATION CERTIFICATE

## 70 RANCH BB21-67HN

SECTION 21, TOWNSHIP 5 NORTH, RANGE 63 WEST OF THE 6TH PRINCIPAL MERIDIAN

**NAD 83 LATITUDE AND LONGITUDE****70 RANCH BB21-67HN SURFACE HOLE:**

LATITUDE: N40.38487°  
 LONGITUDE: W104.45030°  
 ELEVATION: 4613'  
 FOOTAGE: 2594' FSL, 69' FWL  
 PDOP: 1.8  
 QTR/QTR: NW4/SW4  
 PROP LINE: 69' WEST

**BOTTOM HOLE:**

LATITUDE: N40.38854°  
 LONGITUDE: W104.43307°  
 FOOTAGE: 1320' FNL, 535' FEL

**NEAREST EXISTING WELL:**

70 RANCH 13-21 SURFACE HOLE  
 LATITUDE: N40.38364°  
 LONGITUDE: W104.44815°  
 ELEVATION: 4592'  
 748' SOUTHEAST

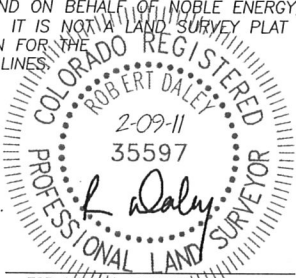
IN ACCORDANCE WITH A REQUEST FROM SEAN CASPER OF NOBLE ENERGY INC., DALEY LAND SURVEYING, INC. HAS DETERMINED THE SURFACE LOCATION OF THE 70 RANCH BB21-67HN WELL TO BE 2594' FSL, 69' FWL, AS MEASURED AT NINETY (90) DEGREES FROM THE SECTION LINES OF SECTION 21, TOWNSHIP 5 NORTH, RANGE 63 WEST OF THE 6TH PRINCIPAL MERIDIAN, WELD COUNTY, COLORADO. THE BOTTOM HOLE LOCATION, PROVIDED BY THE CLIENT, IS TO BE 1320' FNL, 535' FEL.

I HEREBY CERTIFY THAT THIS WELL LOCATION CERTIFICATE WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, THAT THE WORK WAS COMPLETED ON 2/07/2011 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 SOUTHWEST CORNER AND WEST QUARTER CORNER OF SECTION 21, T.5N., R.63W.
- 2) HORIZONTAL DATUM IS NAD83.
- 3) VERTICAL DATUM IS NAVD88. ELEVATIONS ARE DERIVED FROM GPS OBSERVATIONS PROCESSED THROUGH OPUS, UTILIZING THE GEOID03 MODEL.
- 4) SEE LOCATION DRAWING FOR VISIBLE IMPROVEMENTS WITHIN 600' OF PROPOSED SURFACE HOLE LOCATION.
- 5) SURFACE USE: PASTURE.

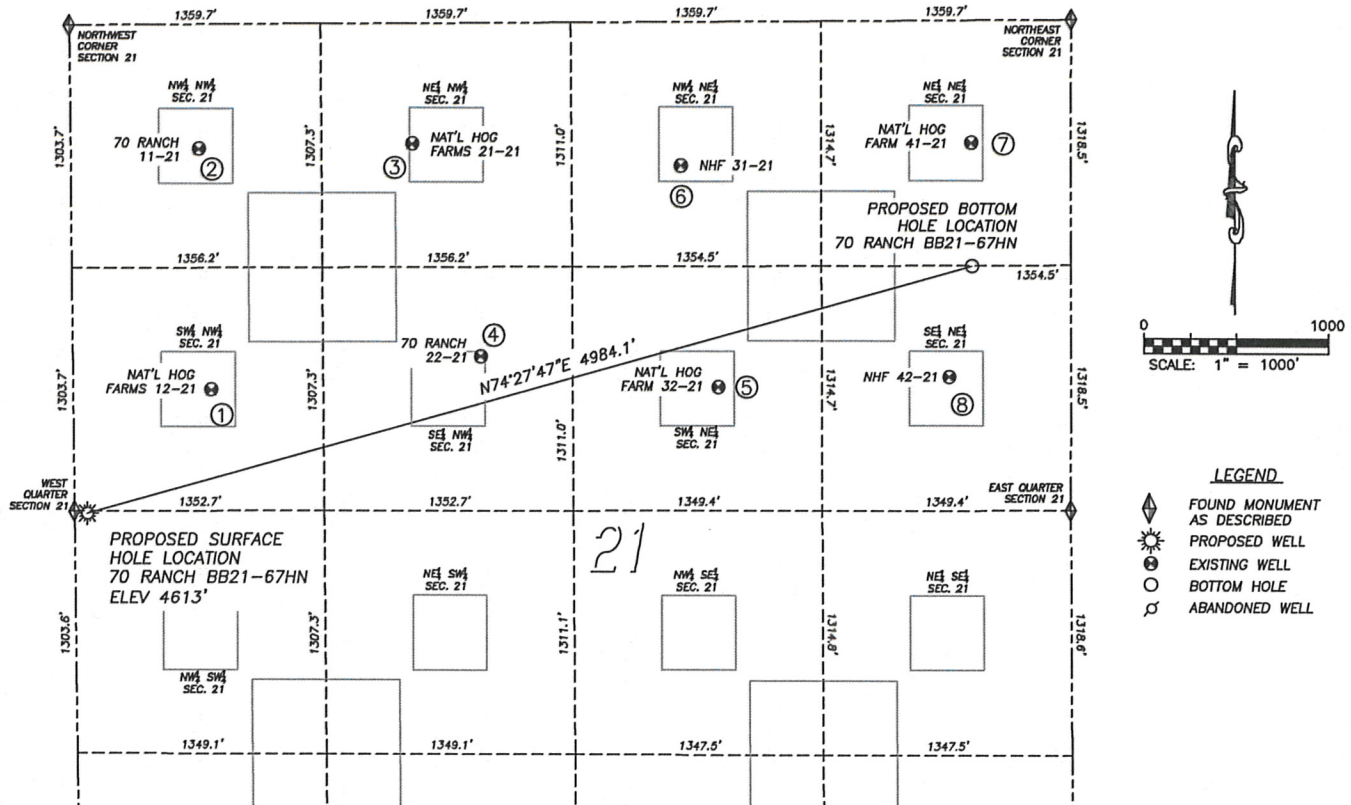
NOTICE: According to Colorado law you MUST commence any legal action based upon any defect in this W.L.C. within three years after you first discover such defect. In no event may any action based upon any such defect in this W.L.C. be commenced more than ten years from the date of the certification shown herein.



FOR AND ON BEHALF OF  
DALEY LAND SURVEYING INC.,  
Robert Daley, PLS 35597

## SITE SKETCH 70 RANCH BB21-67HN

SECTION 21, TOWNSHIP 5 NORTH, RANGE 63 WEST OF THE 6TH PRINCIPAL MERIDIAN



①

NAT'L HOG FARMS 12-21

SW/NW SEC. 21  
1961' FNL, 747' FWL  
LAT. N40.38669°  
LONG. W104.44790°  
EL: 4610'  
PDOP 1.3

②

70 RANCH 11-21

NW/NW SEC. 21  
669' FNL, 693' FWL  
LAT. N40.39024°  
LONG. W104.44814°  
EL: 4622'  
PDOP 2.1

③

NAT'L HOG FARMS 21-21

NE/NW SEC. 21  
646' FNL, 1850' FWL  
LAT. N40.39032°  
LONG. W104.44399°  
EL: 4620'  
PDOP 2.4

④

70 RANCH 22-21

SE/NW SEC. 21  
1791' FNL, 2210' FWL  
LAT. N40.38719°  
LONG. W104.44265°  
EL: 4606'  
PDOP 1.5

⑤

NAT'L HOG FARM 32-21

SW/NE SEC. 21  
1962' FNL, 1915' FEL  
LAT. N40.38675°  
LONG. W104.43802°  
EL: 4612'  
PDOP 1.8

⑥

NHF 31-21

NW/NE SEC. 21  
773' FNL, 2119' FEL  
LAT. N40.39001°  
LONG. W104.43875°  
EL: 4628'  
PDOP 1.6

⑦

NAT'L HOG FARM 41-21

NE/NE SEC. 21  
658' FNL, 541' FEL  
LAT. N40.39035°  
LONG. W104.43309°  
EL: 4639'  
PDOP 2.1

⑧

NHF 42-21

SE/NE SEC. 21  
1914' FNL, 659' FEL  
LAT. N40.38690°  
LONG. W104.43352°  
EL: 4626'  
PDOP 1.3

## NOTES:

- THIS DOES NOT REPRESENT A BOUNDARY SURVEY
- THE LATITUDES AND LONGITUDES SHOWN ARE REFERENCED TO NAD83
- DATUM FOR ELEVATION IS NAVD88. ELEVATIONS ARE DERIVED FROM GPS-RTK OBSERVATIONS PROCESSED THROUGH OPUS, UTILIZING THE GEOID03 MODEL.

