

# WELL LOCATION PLAT T9N, R60W, 6th P.M.

NOBLE ENERGY, INC.

Well location, ROHN LB22-62HN (Surface Location), located as shown in the SE 1/4 SE 1/4 of Section 21, T9N, R60W, 6th P.M., Weld County, Colorado.

## BASIS OF ELEVATION

JACK TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 26, T10N, R61W, 6th. P.M., TAKEN FROM THE GROVER SOUTH, QUADRANGLE, COLORADO, WELD COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5050 FEET.

## BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

## CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 17492  
STATE OF COLORADO  
08-07-12

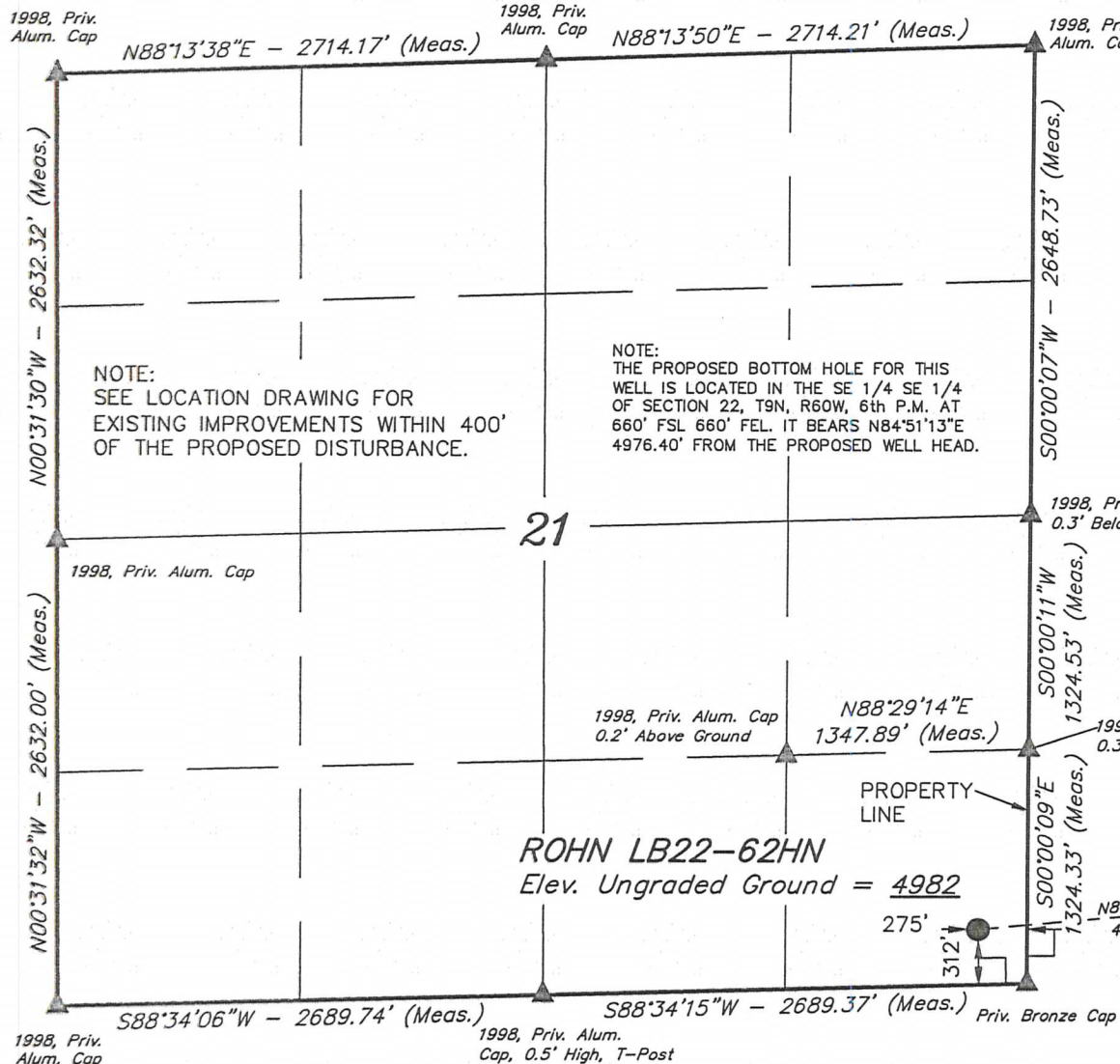
REVISED: 08-07-12

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 06-18-12	DATE DRAWN: 07-30-12
PARTY DARREN SHANKS S.R.L.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE NOBLE ENERGY, INC.	



## FEATURE TABLE

EXISTING FEATURE	DIRECTION	LENGTH
PROPERTY LINE	EAST	275'

PDOP = 1.2

## NAD 83 (SURFACE LOCATION)

LATITUDE = 40°43'44.41" (40.729003)  
LONGITUDE = 104°05'20.47" (104.089019)

SHEET 1 OF 2

# WELL LOCATION PLAT T9N, R60W, 6th P.M.

NOBLE ENERGY, INC.

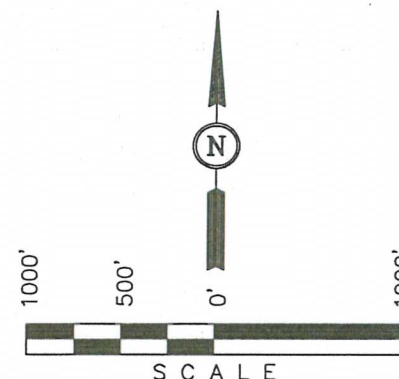
Well location, ROHN LB22-62HN (Target Bottom Hole), located as shown in the SE 1/4 SE 1/4 of Section 22, T9N, R60W, 6th P.M., Weld County, Colorado.

## BASIS OF ELEVATION

JACK TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 26, T10N, R61W, 6th. P.M., TAKEN FROM THE GROVER SOUTH, QUADRANGLE, COLORADO, WELD COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5050 FEET.

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REGISTERED LAND SURVEYOR  
REGISTRATION NO. 17492  
STATE OF COLORADO  
08-03-12

## UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 06-18-12	DATE DRAWN: 07-30-12
PARTY DARREN SHANKS S.R.L.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE NOBLE ENERGY, INC.	

Permit as horizontal Niobrara:  
TMD = 10730.3', TVD = 6381.3' (lateral length = 3947.7')  
13 - 3/4" hole with 9 5/8" surface casing set to 550' and 276 sks. cmt.  
8 3/4" hole of 7" casing set to 6782.6' and 475 sks of cmt.  
6 1/8" hole with 4 1/2" liner hung off at liner hanger (6595.1' TMD)  
Please mark permit as tight hole

NOTE:  
THE PROPOSED BOTTOM HOLE BEARS  
N84°51'13"E 4976.40' FROM THE PROPOSED  
WELL HEAD WHICH IS LOCATED IN THE SE  
1/4 SE 1/4 OF SECTION 21, T9N, R60W,  
6th P.M. AT 312' FSL 275' FEL.

ROHN LB22-62HN  
Target Bottom Hole

## LEGEND:

- └ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

SHEET 2 OF 2


NAD 83 (TARGET BOTTOM HOLE)  
LATITUDE = 40°43'48.77" (40.730214)  
LONGITUDE = 104°04'16.10" (104.071139)

## NOBLE ENERGY, INC.

A north arrow pointing upwards, labeled with 'N' inside a circle. Below the arrow is a graphic scale bar with alternating black and white segments. The scale is marked with '1000'', '500'', and '0' at the center. The word 'SCALE' is written below the bar.

LEGEND:

▲ = SECTION CORNERS LOCATED.

$\frac{N84^{\circ}51'13"E}{4976.40'}$   Target  
Bottom  
Hole

REVISÉD: 08-07-12

UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE  
1" = 1000'

DATE SURVEYED:	06-18-12
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DATE DRAWN:  
07-30-12

PARTY	DARREN SHANKS S.R.L.
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REFERENCES	G.L.O. PLAT
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WEATHER	WARM
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FILE	NOBLE ENERGY, INC.
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NO WELLS WITHIN THIS SECTION



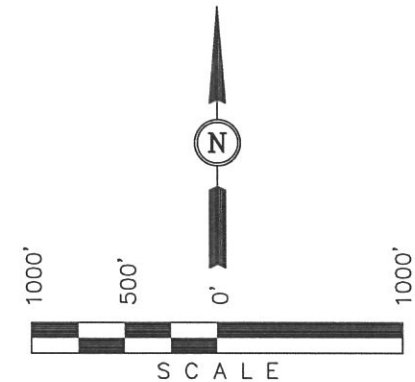
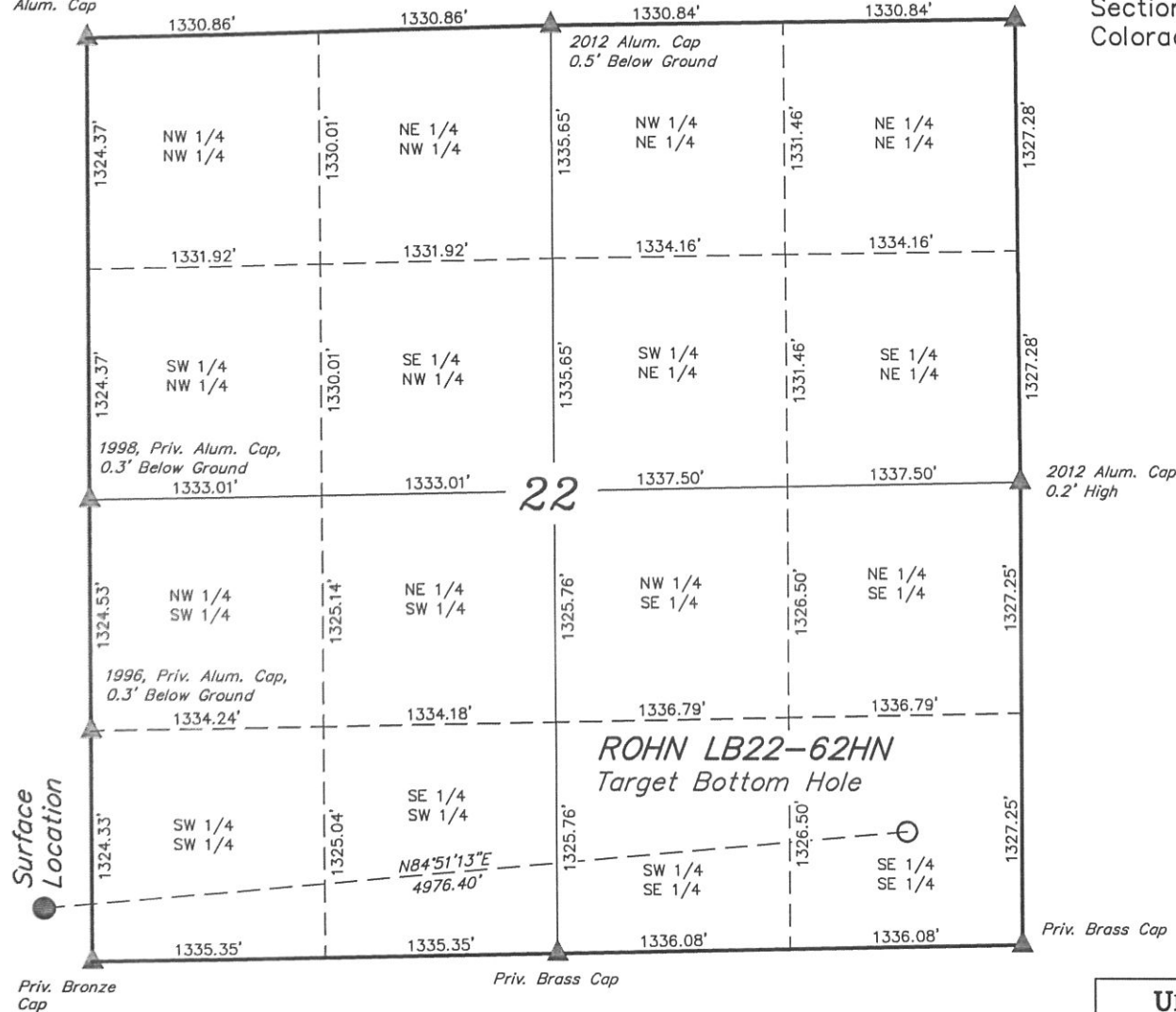
# SITE SKETCH T9N, R60W, 6th P.M.

NOBLE ENERGY, INC.

Well location, ROHN LB22-62HN (Target Bottom Hole), located as shown in the SE 1/4 SE 1/4 of Section 22, T9N, R60W, 6th P.M., Weld County, Colorado.

1998, Priv.  
Alum. Cap

Priv. Alum. Cap  
0.5' Below Ground



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1/4 SE 1/4 OF SECTION 21, T9N, R60W,  
6th P.M. AT 312' FSL 275' FEL.

## LEGEND:

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- = PROPOSED WELL HEAD.
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