

# Federal GGU 24B-28-691

(BASIS OF BEARING)  
S89°40'48"E

T. 6 S.

S89°41'54"E

1978 GARCO Brass Cap 2666.78'  
Lat.: 39.506202°  
Long.: 107.568609°

Alum.Cap LS #14111 2667.90'  
Lat.: 39.506327°  
Long.: 107.559159°

Alum.Cap LS #14111  
Lat.: 39.506454°  
Long.: 107.549705°

N 00°22'33" E  
2630.89'

BLM Boundary

2641.07'

S00°58'16"W

2008 BLM Alum. Cap DOW Boundary

BLM Boundary

DOW Boundary

R. 91 W.

N 00°22'18" E 2631.40'

1978 GARCO Brass Cap  
Lat.: 39.498980°  
Long.: 107.566459°

## SURFACE HOLE LOCATION

982 FSL, 529 FWL  
Lat.: 39.494471°  
Long.: -107.566489°  
N.: 1611622.5 (COSP)  
E.: 2416873.3 (COSP)

28

2008 BLM Alum. Cap  
Lat.: 39.499203°  
Long.: 107.549653°

## BOTTOM HOLE LOCATION

473 FSL, 1998 FWL  
Lat.: 39.493131°  
Long.: -107.561255°  
N.: 1611100.8 (COSP)  
E.: 2418339.1 (COSP)

2641.02'

N 00°58'28" E

529'  
982'

1556'

2639.73'

Calculated Corner

2639.73'

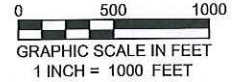
Alum.Cap LS #14111  
Lat.: 39.491953°  
Long.: 107.549601°

N 89°28'41" W


N 89°28'41" W

EXISTING GROUND ELEV.: 6129.9  
PROPOSED PAD ELEV.: 6130.6


SEE CONSTRUCTION LAYOUT PLAT  
FOR VISIBLE IMPROVEMENTS  
WITHIN 500' OF THIS LOCATION



## - LEGEND -

FIELD LOCATED SECTION MONUMENTS AS DESCRIBED 

FIELD SURVEYED WELL LOCATION 

CALCULATED BOTTOM HOLE LOCATION 

CALCULATED SECTION CORNER LOCATION 

## SURVEYORS STATEMENT

I, MICHAEL J. LANGHORNE, A REGISTERED LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY THAT THE SURVEY SHOWN HEREON WAS PREPARED UNDER MY DIRECT SUPERVISION AND HAS BEEN STAKED ON THE GROUND AS SHOWN ON THE PLAT AND CHECKING THAT THIS MAP IS A TRUE REPRESENTATION THEREOF.

  
36572

MICHAEL J. LANGHORNE, COLORADO REGISTRATION NO. 36572  
FOR AND ON BEHALF OF  
BOOKCLIFF SURVEY SERVICES, INC.

## REFERENCES

- 1) Corrective Dependent Resurvey T. 6 S., R. 91 W., 6th P.M (BLM PLAT)
- 2) U.S.G.S. QUAD: Gibson Gulch, CO

## NOTES

- 1) ELEVATIONS BASED ON N.A.V.D. 1988 PUBLISHED COORDINATES.
- 2) LATITUDES AND LONGITUDES ARE BASE ON NAD 83, PUBLISHED COORDINATES
- 3) STATE PLANE COORDINATES ARE BASED ON COLORADO CENTRAL ZONE, U.S. SURVEY FEET.
- 4) ELEVATION MASK SET TO 15"
- 5) GPS OPERATOR J. KIRKPATRICK, OBSERVED A PDOP 1.8 ON SURVEY POINT NUMBER 251.
- 6) SURFACE AND BOTTOM HOLE LOCATIONS ARE MEASURED 90° FROM SECTION LINES.

## WELL LOCATION PLAT Prepared for:



Vanguard Operating, LLC

SW1/4 SW1/4, SECTION 28  
T. 6 S., R. 91 W. of the 6th P.M.  
GARFIELD COUNTY, COLORADO

136 East Third Street  
Rifle, Colorado  
81650 Ph. (970)  
625-2720 Fax (970)  
625-2773



SURVEY DATE: 11/15/16  
MAP DATE: 11/23/16  
SCALE: 1" = 1000'  
PLAT: 1 of 10  
PROJECT: Vanguard