T3N, R68W, 6th P.M.

GREAT WESTERN OPERATING COMPANY

POSTLE IC 09-099HN
SW 1/4 NW 1/4, SECTION 11, T3N, R68W, 6th P.M.
WELD COUNTY, COLORADO

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

BASIS OF ELEVATION
USGS COOPERATIVE BASE NETWORK CONTROL STATION, DESIGNATION 'VERMILYEA'. NGS DATA SHEET LISTS THE NAVD 88 ELEVATION AS BEING 5026 FEET

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N36°56'01"W	406.89'
L2	S88°57'30"W	100.00'

N

1000' 500' 0' 1000'

Target Bottom Hole
1133'
1132'
Section Line
370'
470'
BTM PERF
1/16 Section Line
Detail "A"
No Scale

NW Cor. SW 1/4 SW 1/4, Sec. 4, 1996 Alum. Cap, #23500, 0.9' Below Ground Lat: 40.251281° Long: 105.017697°

W.C. 1994 Alum. Cap, #23500, 1.2' Below Ground Lat: 40.249281° Long: 105.017692°

N00°27'08"W 1327.78' (Meas.)
599.00' (REC.)

True Position Lat: 40.247636° Long: 105.017689°

1993 Alum. Cap, #23500, 0.9' Below Ground Lat: 40.247675° Long: 105.008178°

Alum. Cap, Illegible Lat: 40.247756° Long: 104.998669°

2011 Alum. Cap, #34995, 0.3' Below Ground Lat: 40.247858° Long: 104.989217°

1996 Alum. Cap, #4392, 0.3' Below Ground in Monument Box in N–S Asphalt Frontage Road Lat: 40.247958° Long: 104.979806°

2012 Alum. Cap, #28285 0.5' Below Ground, Lat: 40.248022° Long: 104.970303°

Alum. Cap, #2209 0.8' Below Ground in ℄ Gravel Road E–W, Lat: 40.248031° Long: 104.960797°

S89°20'46"W – 2655.55' (Meas.) | S89°00'29"W – 2655.17' (Meas.) | S88°50'03"W – 2639.65' (Meas.) | S88°50'36"W – 2627.75' (Meas.) | N89°08'07"E – 2654.07' (Meas.) | N89°33'22"E – 2654.12' (Meas.)

N01°07'30"W – 2656.75' (Meas.)

1133' 1132'

S88°57'30"W 10408.33'

See Detail "A" @ Above

N00°25'53"W – 2635.81' (Meas.)

N00°37'51"W – 2638.84' (Meas.)

1125' 1454'

Entry Point

310' L1 551'

POSTLE IC 09–099HN Elev. Graded Ground = 4977.0'

S00°36'48"E – 2653.81' (Meas.)

S00°04'22"E – 2649.50' (Meas.)

S89°27'31"W – 2653.24' (Meas.)

S89°27'40"W – 2629.11' (Meas.)

N00°29'56"W – 2662.73' (Meas.)

N00°30'03"W – 2658.62' (Meas.)

N00°38'16"W – 2638.70' (Meas.)

S00°06'01"E – 2644.20' (Meas.)

S00°04'55"E – 2649.53' (Meas.)

9 | 10 | 11

1993 Alum. Cap, #23500, 1.2' Below Ground Lat: 40.240347° Long: 105.017558°

1993 Alum. Cap, #23500, 0.3' Below Ground Lat: 40.240522° Long: 104.998656°

2001 Alum. Cap, #29425, 0.5' Below Ground Lat: 40.240717° Long: 104.979764°

2004 Alum. Cap #9644, 0.3' High, Lat: 40.240739° Long: 104.970261°

2004 Alum. Cap, #9644, 0.3' High in Concrete Slab Lat: 40.240758° Long: 104.960847°

1998 Alum. Cap, #18982, 0.6' Below Ground Lat: 40.233039° Long: 105.017533°

1993 Alum. Cap, #23500, 0.6' Below Ground Lat: 40.233169° Long: 105.008156°

Alum. Cap, Illegible, 0.3' Below Ground Lat: 40.233228° Long: 104.998633°

1996 Alum. Cap, #24667, 0.9' Below Ground Lat: 40.233358° Long: 104.989194°

2004 Alum. Cap #27269, 0.5' Below Ground, 7' North of E–W ℄ Asphalt Road, Lat: 40.233483° Long: 104.970308°

1995 Alum. Cap, #22098 1.2' Below Ground in ℄ of E–W Asphalt Road Lat: 40.233489° Long: 104.960897°

S88°36'25"W – 2619.55' (Meas.) | S89°11'55"W – 2659.37' (Meas.) | S88°36'58"W – 2636.71' (Meas.) | S88°41'55"W – 2646.40' (Meas.) | S89°34'37"W – 2628.45' (Meas.) | S89°34'38"W – 2628.23' (Meas.)

2005 Alum. Cap, #22098 0.5' Below Ground, in Monument Box at ℄ of Asphalt Road, Lat: 40.233475° Long: 104.979719°

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELLHEAD.
- = TARGET BOTTOM HOLE.
- = ENTRY POINT.
- = BTM PERF.
- = SECTION CORNERS LOCATED. (NAD 83)
- = SECTION CORNERS RE–ESTABLISHED. (Not Set on Ground.) (NAD 83)

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.

COLORADO REGISTERED PROFESSIONAL LAND SURVEYOR

REGISTERED LAND SURVEYOR
REGISTRATION NO. 28285
STATE OF COLORADO

04-28-17

PDOP = 1.7

NAD 83 (SURFACE LOCATION)	NAD 83 (ENTRY POINT)	NAD 83 (BTM PERF)	NAD 83 (TARGET BOTTOM HOLE)
LATITUDE = 40°14'38.33" (40.243981)	LATITUDE = 40°14'41.56" (40.244878)	LATITUDE = 40°14'40.33" (40.244536)	LATITUDE = 40°14'40.32" (40.244533)
LONGITUDE = 104°58'40.12" (104.977811)	LONGITUDE = 104°58'43.24" (104.978678)	LONGITUDE = 105°00'57.42" (105.015950)	LONGITUDE = 105°00'58.71" (105.016308)
NAD 27 (SURFACE LOCATION)	**NAD 27 (ENTRY POINT)**	**NAD 27 (BTM PERF)**	**NAD 27 (TARGET BOTTOM HOLE)**
LATITUDE = 40°14'38.39" (40.243997)	LATITUDE = 40°14'41.62" (40.244894)	LATITUDE = 40°14'40.39" (40.244553)	LATITUDE = 40°14'40.38" (40.244550)
LONGITUDE = 104°58'38.20" (104.977278)	LONGITUDE = 104°58'41.32" (104.978144)	LONGITUDE = 105°00'55.49" (105.015414)	LONGITUDE = 105°00'56.78" (105.015772)

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

SURVEYED BY	CHAD MEIERS, D.N.	03-15-17	**SCALE**
DRAWN BY	K.B.	03-28-17	1" = 1000'

WELL LOCATION PLAT