2012 Alum. Cap, #36053, 0.6' Below Ground in Monument Box Lat: 40.043969° Long: 104.810500°

S89°28'49"W – 2659.33' (Meas.)

S89°29'05"W – 2659.16' (Meas.)

2012 Alum. Cap, #36053, 0.6' Below Ground in Monument Box Lat: 40.044014° Long: 104.801003°

1641'

1641'

See Detail "A" @ Below Right

2007 Alum. Cap, #25942, 0.6' Below Ground in Monument Box Lat: 40.044061° Long: 104.791508°

N00°13'47"W 2647.98' (Meas.)

N00°15'51"W 2656.67' (Meas.)

N00°18'56"W – 2665.34' (Meas.)

T1N, R66W, 6th P.M.

LEGEND:

= 90° SYMBOL

= PROPOSED WELLHEAD.

= ENTRY POINT.

= BTM PERF.

= TARGET BOTTOM HOLE.

= SECTION CORNERS LOCATED. (NAD 83)

= SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.) (NAD 83)

N

1000' 500' 0' 1000'

2001 Alum. Cap, #20140, Flush W/Ground Lat: 40.036725° Long: 104.800986°

2007 Alum. Cap, #25942, 0.6' Below Ground in Monument Box Lat: 40.036700° Long: 104.810486°

2007 Alum. Cap, #25942, 0.6' Below Ground in Monument Box Lat: 40.036744° Long: 104.791483°

S89°40'03"W – 2660.89' (Meas.)

S89°40'18"W – 2661.53' (Meas.)

20

N00°11'50"W – 2649.22' (Meas.)

N00°15'33"W – 2657.24' (Meas.)

N00°14'34"W 9669.32'

N00°18'57"W – 2665.23' (Meas.)

BASIS OF BEARINGS

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

BASIS OF ELEVATION

HUBBS TRIANGULATION STATION LOCATED IN THE NE 1/4 OF SECTION 21, T1N, R64W, 6th. P.M., TAKEN FROM THE KEENESBURG, 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 5168 FEET.

2007 Alum. Cap, #25942, 0.6' Below Ground in Monument Box Lat: 40.029431° Long: 104.810478°

S89°50'25"W – 2663.75' (Meas.)

S89°50'37"W – 2664.17' (Meas.)

2010 Alum. Cap, #35583, 0.6' Below Ground in Monument Box Lat: 40.029431° Long: 104.800969°

2007 Alum. Cap, #25942, 0.6' Below Ground in Monument Box Lat: 40.029431° Long: 104.791458°

N00°28'40"W – 2639.79' (Meas.)

N00°11'52"W – 2639.57' (Meas.)

N00°18'01"W – 2639.15' (Meas.)

Section Line

Target Bottom Hole

Detail "A" No. Scale

470'

370'

1641'

1641'

BTM PERF

1/16 Section Line

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N46°24'55"E	2128.69'
L2	N00°18'56"W	100.00'

Steel Axel, Flush W/Ground Lat: 40.022186° Long: 104.800961°

2007 Alum. Cap, #25942, 0.6' Below Ground in Monument Box Lat: 40.022186° Long: 104.810425°

S89°50'11"W – 2650.85' (Meas.)

S89°50'04"W – 2668.88' (Meas.)

1993 Alum. Cap, #25937, Flush W/Ground Lat: 40.022189° Long: 104.791436°

29

N00°27'57"W 2639.06' (Meas.)

N00°13'08"W 2640.34' (Meas.)

N00°06'56"W – 2638.48' (Meas.)

PDOP = 1.3

NAD 83 (SURFACE LOCATION)
LATITUDE = 40°00'43.88" (40.012189)
LONGITUDE = 104°48'10.19" (104.802831)
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°00'43.94" (40.012206)
LONGITUDE = 104°48'08.29" (104.802303)
NAD 83 (ENTRY POINT)
LATITUDE = 40°00'58.34" (40.016206)
LONGITUDE = 104°47'50.33" (104.797314)
NAD 27 (ENTRY POINT)
LATITUDE = 40°00'58.40" (40.016222)
LONGITUDE = 104°47'48.43" (104.796786)
NAD 83 (BTM PERF)
LATITUDE = 40°02'33.87" (40.042742)
LONGITUDE = 104°47'50.51" (104.797364)
NAD 27 (BTM PERF)
LATITUDE = 40°02'33.93" (40.042758)
LONGITUDE = 104°47'48.61" (104.796836)
NAD 83 (TARGET BOTTOM HOLE)
LATITUDE = 40°02'34.86" (40.043017)
LONGITUDE = 104°47'50.51" (104.797365)
NAD 27 (TARGET BOTTOM HOLE)
LATITUDE = 40°02'34.92" (40.043033)
LONGITUDE = 104°47'48.62" (104.796838)

1993 Alum. Cap, #25937, 0.3' Below Ground in Monument Box Lat: 40.014942° Long: 104.800953°

Entry Point

1645'

460'

1994 Alum. Cap, #2695, 0.6' Below Ground in Monument Box Lat: 40.014944° Long: 104.810372°

S89°51'54"W – 2639.48' (Meas.)

S89°47'40"W – 2664.12' (Meas.)

1993 Alum. Cap, #25937, 0.6' Below Ground in Monument Box Lat: 40.014947° Long: 104.791444°

L1

1003'

2114'

N00°05'37"W – 2648.96' (Meas.)

N00°06'04"W – 2644.43' (Meas.)

N00°07'40"E – 2643.48' (Meas.)

DITTMER KE 20–034HN

Elev. Ungraded Ground = 4965.6'

2000 Alum. Cap, #13482, 1.3' Below Ground Lat: 40.007683° Long: 104.800961°

1999 Alum. Cap, #23027, 1.3' Below Ground Lat: 40.007675° Long: 104.810383°

S89°46'00"W – 2639.82' (Meas.)

S89°46'24"W – 2653.56' (Meas.)

1994 Alum. Cap, #25937, 1.3' Below Ground Lat: 40.007692° Long: 104.791492°

32

N00°06'10"W – 2640.22' (Meas.)

N00°06'57"W 2609.85' (Meas. To C.C.)

N00°06'57"W 2639.85' (Meas. To True)

N00°06'56"E – 2643.36' (Meas.)

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

Peter D. Hawley 4935

REGISTERED LAND SURVEYOR
REGISTRATION NO. 28285
STATE OF COLORADO

02-05-18

2011 Alum. Cap, #31158, 0.6' Below Ground Lat: 40.000428° Long: 104.810392°

True Position Lat: 40.000439° Long: 104.800967°

W.C. 2000 Alum. Cap, #13482, 0.4' Below Ground Lat: 40.000522° Long: 104.800967°

1994 Alum. Cap, #25937, 1.1' Below Ground Lat: 40.000439° Long: 104.791536°

T1N
T1S

S89°45'31"W – 2640.43' (Meas.)

S89°50'54"W – 2642.89' (Meas.)

REV: 5	02-05-18	K.B.	(BP ADD & TBH CHANGE)

GREAT WESTERN OPERATING COMPANY

DITTMER KE 20-034HN
NE 1/4 NW 1/4, SECTION 32, T1N, R66W, 6th P.M.
WELD COUNTY, COLORADO

UINTAH ENGINEERING & LAND SURVEYING

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

SURVEYED BY: DALLAS NIELSEN, B.C.	SURVEY DATE: 04-03-15
DRAWN BY: J.W.	DATE DRAWN: 04-07-15
SCALE: 1" = 1000'	

WELL LOCATION PLAT