T1S, R66W, 6th P.M.

LEGEND:

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

R 67 W | R 66 W

2002 Alum. Cap, #6973, 0.3' Below Ground In Monument Box
Lat: 39.957781° Long: 104.818300°
SP NAD 83 (CO. NORTH) N: 1228201.92 E: 3191097.39
SP NAD 27 (CO. NORTH) N: 228204.60 E: 2191250.48

1997 Alum. Cap, #23027, 0.6' Below Ground
Lat: 39.957797° Long: 104.808867°
SP NAD 83 (CO. NORTH) N: 1228228.94 E: 3193741.07
SP NAD 27 (CO. NORTH) N: 228231.64 E: 2193894.12

2000 Alum. Cap, #23027, 0.6' Below Ground
Lat: 39.957817° Long: 104.799369°
SP NAD 83 (CO. NORTH) N: 1228256.18 E: 3196403.67
SP NAD 27 (CO. NORTH) N: 228258.91 E: 2196556.68

2007 Alum. Cap, #30099, 0.6' Below Ground
Lat: 39.957831° Long: 104.789869°
SP NAD 83 (CO. NORTH) N: 1228282.60 E: 3199066.17
SP NAD 27 (CO. NORTH) N: 228285.35 E: 2199219.14

2002 Alum. Cap, #6973, 0.6' Below Ground
Lat: 39.957836° Long: 104.827803°
SP NAD 83 (CO. NORTH) N: 1228202.27 E: 3188433.12
SP NAD 27 (CO. NORTH) N: 228204.93 E: 2188586.25

N89°41'51"W – 2665.00' (Meas.) | S89°42'34"W – 2644.55' (Meas.) | S89°42'32"W – 2663.47' (Meas.) | S89°43'36"W – 2663.37' (Meas.)

N00°01'34"W – 2647.29' (Meas.) | N00°09'35"W – 2631.95' (Meas.) | N00°17'29"W – 2634.21' (Meas.) | N00°18'29"E – 2647.90' (Meas.) | N00°04'56"W – 2647.86' (Meas.)

LOT 2 | LOT 1

1991 Alum. Cap, #6973, Flush w/Ground
Lat: 39.950572° Long: 104.827822°
SP NAD 83 (CO. NORTH) N: 1225555.74 E: 3188447.95
SP NAD 27 (CO. NORTH) N: 225558.41 E: 2188601.12

19 | 20

S89°58'21"W – 2671.09' (Meas.) | S89°45'31"W – 2650.60' (Meas.) | N89°59'48"W – 2635.80' (Meas.) | S89°43'43"W – 2681.40' (Meas.)

2006 Alum. Cap, #30099, 0.3' Below Ground
Lat: 39.950564° Long: 104.789883°
SP NAD 83 (CO. NORTH) N: 1225635.52 E: 3199083.62
SP NAD 27 (CO. NORTH) N: 225638.28 E: 2199236.62

2005 Alum. Cap, #24305, 0.3' Below Ground
Lat: 39.950558° Long: 104.818297°
SP NAD 83 (CO. NORTH) N: 1225570.77 E: 3191118.27
SP NAD 27 (CO. NORTH) N: 225573.46 E: 2191271.40

2007 Alum. Cap, #25645, Flush With Ground
Lat: 39.950569° Long: 104.808844°
SP NAD 83 (CO. NORTH) N: 1225595.59 E: 3193768.03
SP NAD 27 (CO. NORTH) N: 225598.30 E: 2193921.11

2011 Alum. Cap, #37929, 1.2' High
Lat: 39.950550° Long: 104.799444°
SP NAD 83 (CO. NORTH) N: 1225609.01 E: 3196403.08
SP NAD 27 (CO. NORTH) N: 225611.74 E: 2196556.12

N00°02'06"W – 2646.51' (Meas.) | N00°09'29"W – 2645.88' (Meas.) | N00°17'41"W – 2634.00' (Meas.) | N00°35'30"W 2634.24' (Meas.) | N00°04'31"W – 2634.89' (Meas.)

LOT 2 | LOT 1

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S67°26'56"W	1892.14'

260'
1085'
BRIGHTON LAKES #3031-1-5HN
Elev. Ungraded Ground = 5048.5'

1997 Alum. Cap, #23519, 0.6' Below Ground
Lat: 39.943333° Long: 104.789897°
SP NAD 83 (CO. NORTH) N: 1223001.41 E: 3199100.65
SP NAD 27 (CO. NORTH) N: 223004.18 E: 2199253.68

P.K. Nail
Lat: 39.943308° Long: 104.827839°
SP NAD 83 (CO. NORTH) N: 1222909.99 E: 3188463.20
SP NAD 27 (CO. NORTH) N: 222912.67 E: 2188616.40

S89°57'32"W – 2676.77' (Meas.) | S89°30'09"W – 2656.91' (Meas.) | N89°59'37"W 2649.46' (Meas.) | S89°44'34"W – 2657.67' (Meas.)

2002 Alum. Cap, #6973, 0.6' Below Ground
Lat: 39.943294° Long: 104.818294°
SP NAD 83 (CO. NORTH) N: 1222925.70 E: 3191139.20
SP NAD 27 (CO. NORTH) N: 222928.40 E: 2191292.35

460' | L1 | 660'
Landing Point

2001 Alum. Cap, #24942, 0.9' Below Ground
Lat: 39.943339° Long: 104.808822°
SP NAD 83 (CO. NORTH) N: 1222962.45 E: 3193795.13
SP NAD 27 (CO. NORTH) N: 222965.17 E: 2193948.24

1999 Alum. Cap, #24960, 0.9' Below Ground
Lat: 39.943319° Long: 104.799375°
SP NAD 83 (CO. NORTH) N: 1222975.80 E: 3196443.83
SP NAD 27 (CO. NORTH) N: 222978.54 E: 2196596.91

N00°10'56"W – 2645.54' (Meas.) | N00°02'55"E – 2640.10' (Meas.) | N00°25'26"E – 2655.24' (Meas.) | N00°04'34"E – 2642.54' (Meas.) | N00°02'10"W – 2642.24' (Meas.)

LOT 2 | LOT 1

True Position
Lat: 39.936047° Long: 104.827856°
SP NAD 83 (CO. NORTH) N: 1220264.42 E: 3188478.31
SP NAD 27 (CO. NORTH) N: 220267.10 E: 2188631.54

30 | 29

S89°49'31"W – 2673.05' (Meas.) | S89°49'34"W – 2639.42' (Meas.) | N89°44'05"E – 2665.63' (Meas.) | N89°44'13"E – 2662.85' (Meas.)

1994 Alum. Cap, #10734, 0.3' Below Ground In Monument Box
Lat: 39.936081° Long: 104.789919°
SP NAD 83 (CO. NORTH) N: 1220359.94 E: 3199115.93
SP NAD 27 (CO. NORTH) N: 220362.71 E: 2199268.99

25.00' (Rec.)
W.C. 2010 Alum. Cap, #24305, Flush with Ground
Lat: 39.935978° Long: 104.827856°
SP NAD 83 (CO. NORTH) N: 1220239.43 E: 3188478.33
SP NAD 27 (CO. NORTH) N: 220242.11 E: 2188631.55

1996 Alum. Cap, #25937, 0.3' Below Ground
Lat: 39.936050° Long: 104.818325°
SP NAD 83 (CO. NORTH) N: 1220286.34 E: 3191150.55
SP NAD 27 (CO. NORTH) N: 220289.04 E: 2191303.74

1999 Alum. Cap, #24960, 0.6' Below Ground In Monument Box
Lat: 39.936053° Long: 104.808917°
SP NAD 83 (CO. NORTH) N: 1220307.94 E: 3193789.16
SP NAD 27 (CO. NORTH) N: 220310.67 E: 2193942.31

2001 Alum. Cap, #24942, 0.6' Below Ground In Monument Box
Lat: 39.936067° Long: 104.799414°
SP NAD 83 (CO. NORTH) N: 1220334.00 E: 3196453.94
SP NAD 27 (CO. NORTH) N: 220336.75 E: 2196607.04

N00°10'34"W – 2644.39' (Meas.) | N00°13'19"W – 2648.96' (Meas.) | N00°11'34"W – 2653.64' (Meas.) | N00°00'29"E – 2627.90' (Meas.) | N00°18'56"E – 2642.33' (Meas.)

LOT 2 | LOT 1

1985 Alum. Cap, #12330, 0.3' Below Ground
Lat: 39.928817° Long: 104.827875°
SP NAD 83 (CO. NORTH) N: 1217630.79 E: 3188493.35
SP NAD 27 (CO. NORTH) N: 217633.48 E: 2188646.61

S89°55'37"W – 2670.16' (Meas.) | S89°16'21"W – 2643.74' (Meas.) | N89°57'25"W – 2659.74' (Meas.) | N89°57'53"W – 2667.57' (Meas.)

2002 Alum. Cap, #28286, 0.6' Below Ground
Lat: 39.928808° Long: 104.818356°
SP NAD 83 (CO. NORTH) N: 1217647.95 E: 3191162.73
SP NAD 27 (CO. NORTH) N: 217650.66 E: 2191315.95

S00°01'08"E 9652.03'

Alum. Cap, Flush With Ground
Lat: 39.928881° Long: 104.808931°
SP NAD 83 (CO. NORTH) N: 1217695.13 E: 3193805.34
SP NAD 27 (CO. NORTH) N: 217697.86 E: 2193958.51

2002 Alum. Cap, 0.3' Below Ground
Lat: 39.928556° Long: 104.799450°
SP NAD 83 (CO. NORTH) N: 1217706.83 E: 3196464.33
SP NAD 27 (CO. NORTH) N: 217709.59 E: 2196617.46

N00°10'10"W – 2645.54' (Meas.) | N00°13'31"W – 2634.07' (Meas.) | N00°12'02"W – 2652.97' (Meas.) | N00°00'29"E – 2647.46' (Meas.) | N00°18'53"E – 2642.34' (Meas.)

2009 Alum. Cap, #30822, In Monument Box
Lat: 39.928831° Long: 104.789942°
SP NAD 83 (CO. NORTH) N: 1217718.93 E: 3199131.15
SP NAD 27 (CO. NORTH) N: 217721.71 E: 2199284.24

2017 Alum. Cap, #25385, 0.3' Below Ground In Monument Box
Lat: 39.921556° Long: 104.827869°
SP NAD 83 (CO. NORTH) N: 1214986.05 E: 3188514.80
SP NAD 27 (CO. NORTH) N: 214988.75 E: 2188668.09

31 | 32

S89°40'51"W – 2672.73' (Meas.) | S89°40'55"W – 2642.49' (Meas.) | S89°55'28"W – 2650.08' (Meas.) | S89°55'27"W – 2653.43' (Meas.)

1998 Alum. Cap, #25937, 1.5' Below Ground
Lat: 39.921578° Long: 104.790019°
SP NAD 83 (CO. NORTH) N: 1215077.30 E: 3199130.25
SP NAD 27 (CO. NORTH) N: 215080.09 E: 2199283.37

1995 Alum. Cap, #25384, 0.6' Below Ground
Lat: 39.921578° Long: 104.818342°
SP NAD 83 (CO. NORTH) N: 1215014.70 E: 3191186.66
SP NAD 27 (CO. NORTH) N: 215017.43 E: 2191339.90

1985 Alum. Cap, #12330, 0.6' Below Ground
Lat: 39.921600° Long: 104.808922°
SP NAD 83 (CO. NORTH) N: 1215042.98 E: 3193828.28
SP NAD 27 (CO. NORTH) N: 215045.72 E: 2193981.49

2001 Alum. Cap, #24942, 0.3' Below Ground
Lat: 39.921589° Long: 104.799478°
SP NAD 83 (CO. NORTH) N: 1215060.12 E: 3196477.60
SP NAD 27 (CO. NORTH) N: 215062.89 E: 2196630.76

N00°10'34"W – 2644.35' (Meas.) | N00°13'19"W – 2648.96' (Meas.) | N00°11'34"W – 2653.64' (Meas.) | N00°00'29"E – 2648.98' (Meas.) | N00°18'56"E – 2642.33' (Meas.)

LOT 2 | LOT 1

Target Bottom Hole
660' | 460'

T1S
T2S

S89°46'47"W – 2674.84' (Meas.) | S89°47'00"W – 2641.13' (Meas.) | S89°49'24"W – 2640.80' (Meas.) | S89°46'43"W – 2639.26' (Meas.)

2006 Alum. Cap, #29028, 0.3' Below Ground
Lat: 39.914297° Long: 104.827864°
SP NAD 83 (CO. NORTH) N: 1212342.50 E: 3188536.55
SP NAD 27 (CO. NORTH) N: 212345.21 E: 2188689.86

DOT ROW MON., PROJ. MBC76 Alum. Cap, #29039, 0.6' Below Ground
Lat: 39.914308° Long: 104.818331°
SP NAD 83 (CO. NORTH) N: 1212366.56 E: 3191210.56
SP NAD 27 (CO. NORTH) N: 212369.29 E: 2191363.84

1995 Alum. Cap, #25384, 0.3' Below Ground In Monument Box
Lat: 39.914317° Long: 104.808917°
SP NAD 83 (CO. NORTH) N: 1212390.15 E: 3193850.88
SP NAD 27 (CO. NORTH) N: 212392.90 E: 2194004.11

1993 Alum. Cap, #23516, 0.3' Below Ground In Monument Box
Lat: 39.914319° Long: 104.799506°
SP NAD 83 (CO. NORTH) N: 1212411.89 E: 3196490.87
SP NAD 27 (CO. NORTH) N: 212414.66 E: 2196644.06

1993 Alum. Cap, #23516, 0.3' Below Ground In Monument Box
Lat: 39.914328° Long: 104.790097°
SP NAD 83 (CO. NORTH) N: 1212435.69 E: 3199129.32
SP NAD 27 (CO. NORTH) N: 212438.48 E: 2199282.47

PDOP = 1.4

1000' 500' 0' 1000'

NAD 83 (SURFACE LOCATION)	NAD 83 (LANDING POINT)	NAD 83 (TARGET BOTTOM HOLE)
LATITUDE = 39°56'38.56" (39.944044)	LATITUDE = 39°56'31.44" (39.942067)	LATITUDE = 39°54'56.08" (39.915578)
LONGITUDE = 104°48'17.83" (104.804953)	LONGITUDE = 104°48'40.29" (104.811192)	LONGITUDE = 104°48'40.57" (104.811269)
NAD 27 (SURFACE LOCATION)	**NAD 27 (LANDING POINT)**	**NAD 27 (TARGET BOTTOM HOLE)**
LATITUDE = 39°56'38.62" (39.944061)	LATITUDE = 39°56'31.50" (39.942083)	LATITUDE = 39°54'56.13" (39.915592)
LONGITUDE = 104°48'15.93" (104.804425)	LONGITUDE = 104°48'38.39" (104.810664)	LONGITUDE = 104°48'38.67" (104.810742)
STATE PLANE NAD 83 (CO. NORTH)	**STATE PLANE NAD 83 (CO. NORTH)**	**STATE PLANE NAD 83 (CO. NORTH)**
N: 1223227.83 E: 3194877.48	N: 1222493.39 E: 3193134.25	N: 1212844.11 E: 3193187.17
STATE PLANE NAD 27 (CO. NORTH)	**STATE PLANE NAD 27 (CO. NORTH)**	**STATE PLANE NAD 27 (CO. NORTH)**
N: 223230.55 E: 2195030.57	N: 222496.10 E: 2193287.38	N: 212846.86 E: 2193340.40

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.

DARREN L. WELLS
REGISTERED LAND SURVEYOR
REGISTRATION NO. 28285
STATE OF COLORADO

02-28-17

COLORADO REGISTERED DARREN L. WELLS 28285 PROFESSIONAL LAND SURVEYOR

REV: 3 02-28-17 D.COX (ADD LOT NUMBERS TO SECTIONS)

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

BASIS OF ELEVATION
USGS COOPERATIVE BASE NETWORK CONTROL STATION, DESIGNATION "JR 53 5026". NGS DATA SHEET LISTS THE NAVD 88 ELEVATION AS BEING 5028 FEET.

UINTAH ENGINEERING & LAND SURVEYING

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

N

WARD PETROLEUM CORPORATION

BRIGHTON LAKES #3031-1-5HN
SW 1/4 SW 1/4, SECTION 20, T1S, R66W, 6th P.M.
ADAMS COUNTY, COLORADO

SURVEYED BY	DALLAS NIELSEN, N.P.	12-12-16	SCALE
DRAWN BY	D.COX	01-24-17	1" = 1000'

WELL LOCATION PLAT