



DIP LOG CALCULATIONS

COMPANY REICHHOLD ENERGY CORPORATION
WELL COLUMBIA COUNTY NO. 1
FIELD NEHALEM BASIN
COUNTY COLUMBIA STATE OREGON

WELEX
A REICHHOLD COMPANY

Table with columns: CORRELATION INTERVAL, CORR. GRADE, DIP ANGLE, DIP AZ., DRFT ANGLE, DRFT AZ., AZ. NO.1, DIA 13, DISPLACEMENTS NO.1 NO.2 NO.3. Rows 687.0 to 772.0.

Table with columns: CORRELATION INTERVAL, CORR. GRADE, DIP ANGLE, DIP AZ., DRFT ANGLE, DRFT AZ., AZ. NO.1, DIA 13, DISPLACEMENTS NO.1 NO.2 NO.3. Rows 773.0 to 892.3.

Table with columns: CORRELATION INTERVAL, CORR. GRADE, DIP ANGLE, DIP AZ., DRFT ANGLE, DRFT AZ., AZ. NO.1, DIA 13, DISPLACEMENTS NO.1 NO.2 NO.3. Rows 895.0 to 1084.8.

Table with columns: CORRELATION INTERVAL, CORR. GRADE, DIP ANGLE, DIP AZ., DRFT ANGLE, DRFT AZ., AZ. NO.1, DIA 13, DISPLACEMENTS NO.1 NO.2 NO.3. Rows 1086.5 to 1289.0.

Table with columns: CORRELATION INTERVAL, CORR. GRADE, DIP ANGLE, DIP AZ., DRFT ANGLE, DRFT AZ., AZ. NO.1, DIA 13, DISPLACEMENTS NO.1 NO.2 NO.3. Rows 1290.0 to 1304.0.

CORRELATION INTERVAL	CORR. GRADE	DIP ANGLE	DIP AZ.	DRFT ANGLE	DRFT AZ.	AZ. NO.1	DIA 13	DISPLACEMENTS			
								NO.1	NO.2	NO.3	
1290.0	1290.2	A	5.3	336.	1.2	147.	72.	7.4	0.0	0.0	-0.40
1290.2	1292.2	B	6.3	337.	1.2	147.	74.	7.4	0.0	0.0	-0.50
1292.2	1293.0	C	17.6	299.	1.2	147.	77.	7.4	0.0	-1.30	-1.90
1294.0	1296.0	D	16.8	293.	1.2	147.	82.	7.4	0.0	-1.50	-1.70
1304.0	1305.0	B	9.4	5.	1.3	146.	126.	7.4	0.0	-0.30	-0.90
1307.0	1307.4	C	9.6	0.	1.3	145.	149.	7.4	0.0	-0.70	-0.90
1310.2	1310.3	B	11.9	10.	1.3	144.	167.	7.4	0.0	-1.00	-1.10
1312.3	1312.4	B	15.6	6.	1.4	144.	174.	7.4	0.0	-1.50	-1.30
1315.0	1315.2	B	10.9	32.	1.4	143.	182.	7.4	0.0	-0.80	-1.10
1316.0	1316.3	B	9.9	17.	1.4	143.	187.	7.4	0.0	-0.90	-0.80
1319.6	1319.7	B	9.4	43.	1.4	142.	216.	7.4	0.0	-0.90	-0.80
1321.0	1321.5	B	6.9	13.	1.4	141.	230.	7.4	0.0	-0.60	-0.10
1324.3	1324.5	B	7.6	32.	1.5	140.	253.	7.4	0.0	-0.70	-0.10
1325.0	1325.2	B	7.0	42.	1.5	140.	257.	7.4	0.0	-0.70	-0.20
1326.6	1326.7	B	7.5	13.	1.5	139.	265.	7.4	0.0	-0.40	0.30
1328.3	1328.5	B	9.2	34.	1.5	138.	274.	7.4	0.0	-0.70	0.20
1330.0	1330.6	B	13.2	29.	1.5	137.	283.	7.4	0.0	-0.70	0.70
1332.6	1333.0	B	5.1	329.	1.4	135.	292.	7.4	0.0	0.30	0.40
1334.0	1334.4	B	9.7	18.	1.4	135.	297.	7.4	0.0	-0.10	0.80
1336.0	1336.3	B	10.1	46.	1.4	135.	306.	7.4	0.0	-0.50	0.60
1340.0	1340.4	B	3.3	330.	1.5	137.	333.	7.4	0.0	0.20	0.10
1341.6	1342.2	B	6.6	350.	1.5	136.	333.	7.4	0.0	0.50	0.50
1347.7	1348.0	B	8.7	316.	1.6	134.	29.	7.4	0.0	0.30	-0.50
1348.0	1348.4	B	3.4	196.	1.6	134.	31.	7.4	0.0	-0.50	-0.10
1350.0	1350.3	B	6.0	303.	1.6	134.	42.	7.4	0.0	-0.10	-0.50
1357.2	1357.3	C	7.8	296.	1.6	120.	73.	7.4	0.0	-0.50	-0.70
1359.9	1360.0	C	8.8	320.	1.6	120.	97.	7.4	0.0	-0.50	-0.80
1361.0	1361.3	B	6.9	334.	1.6	122.	106.	7.4	0.0	-0.30	-0.60
1363.0	1363.7	B	12.0	329.	1.6	126.	119.	7.4	0.0	-0.90	-1.10
1365.0	1365.2	B	7.7	352.	1.6	128.	131.	7.4	0.0	-0.40	-0.70
1367.3	1367.7	C	3.8	286.	1.6	122.	144.	7.4	0.0	-0.20	0.10
1369.6	1370.0	B	12.3	347.	1.6	112.	164.	7.4	0.0	-1.20	-0.90
1372.3	1372.7	B	12.5	340.	1.6	118.	188.	7.4	0.0	-1.20	-0.30
1375.6	1375.8	B	6.1	358.	1.6	128.	215.	7.4	0.0	-0.50	-0.10
1377.0	1377.3	B	9.2	352.	1.6	126.	223.	7.4	0.0	-0.70	0.10
1378.0	1378.4	B	6.7	38.	1.6	124.	227.	7.4	0.0	-0.70	-0.50
1380.0	1380.4	B	8.9	3.	1.6	120.	236.	7.4	0.0	-0.70	0.10
1382.3	1382.7	B	7.2	332.	1.6	115.	247.	7.4	0.0	-0.10	0.50
1385.6	1385.7	B	4.6	336.	1.6	118.	263.	7.4	0.0	0.0	0.30
1387.6	1388.0	D	5.6	348.	1.6	127.	274.	7.4	0.0	0.0	0.40
1389.6	1390.0	B	6.1	329.	1.6	129.	284.	7.4	0.0	0.30	0.50
1392.3	1392.5	C	11.5	335.	1.6	131.	294.	7.4	0.0	0.70	1.10
1396.0	1396.4	B	13.7	298.	1.6	130.	308.	7.4	0.0	1.40	0.60
1399.6	1399.7	C	6.7	282.	1.6	127.	318.	7.4	0.0	0.50	-0.10
1400.0	1400.1	B	6.9	306.	1.6	127.	319.	7.4	0.0	0.60	0.20
1403.0	1403.2	B	11.5	301.	1.6	126.	321.	7.4	0.0	1.10	0.30
1404.3	1404.5	B	8.1	297.	1.6	125.	322.	7.4	0.0	0.70	0.10
1405.9	1406.0	B	6.1	303.	1.6	125.	323.	7.4	0.0	0.50	0.10
1407.8	1408.0	B	4.3	312.	1.6	125.	324.	7.4	0.0	0.30	0.10
1409.0	1409.3	A	7.9	313.	1.7	124.	324.	7.4	0.0	0.70	0.30
1411.0	1411.3	B	9.9	300.	1.7	123.	322.	7.4	0.0	0.90	0.20
1412.0	1412.3	B	8.9	301.	1.7	122.	321.	7.4	0.0	0.80	0.20
1415.8	1416.0	A	10.2	289.	1.7	114.	317.	7.4	0.0	0.90	0.10
1417.0	1417.3	A	12.3	269.	1.8	111.	316.	7.4	0.0	0.90	-0.30
1419.6	1420.0	C	10.1	269.	1.8	118.	316.	7.4	0.0	0.70	-0.30

CORRELATION INTERVAL	CORR. GRADE	DIP ANGLE	DIP AZ.	DRFT ANGLE	DRFT AZ.	AZ. NO.1	DIA 13	DISPLACEMENTS			
								NO.1	NO.2	NO.3	
1421.9	1422.1	B	8.5	288.	1.9	127.	317.	7.4	0.0	0.70	0.0
1423.0	1423.2	B	6.6	327.	1.9	127.	317.	7.4	0.0	0.50	0.40
1427.0	1427.3	C	15.5	182.	1.7	125.	320.	7.4	0.0	-1.30	-1.90
1428.6	1428.7	C	7.3	175.	1.7	122.	322.	7.4	0.0	-0.80	-0.90
1429.8	1430.0	B	6.1	311.	1.6	117.	324.	7.4	0.0	0.50	0.20
1435.6	1435.7	C	6.2	301.	1.8	114.	311.	7.5	0.0	0.50	0.20
1439.0	1439.2	C	7.5	353.	1.8	115.	317.	7.5	0.0	0.40	0.70
1443.2	1444.0	D	8.9	346.	1.9	118.	318.	7.5	0.0	0.60	0.80
1445.8	1446.0	B	8.3	292.	1.9	112.	318.	7.6	0.0	0.70	0.10
1450.3	1450.4	C	13.4	319.	2.0	117.	316.	7.6	0.0	1.30	0.90
1455.0	1456.0	C	15.0	274.	2.2	125.	332.	7.6	0.0	0.90	-0.70
1457.6	1458.0	C	3.8	76.	2.2	115.	346.	7.5	0.0	-0.30	0.30
1461.8	1462.1	C	2.6	284.	2.1	106.	333.	7.3	0.0	0.0	-0.10
1467.6	1467.9	C	3.5	105.	2.3	110.	343.	7.5	0.0	-0.50	0.10
1470.3	1470.6	B	11.5	253.	2.4	107.	331.	7.4	0.0	0.20	-0.90
1474.0	1474.3	B	8.1	258.	2.2	115.	304.	7.4	0.0	0.50	-0.30
1479.6	1479.8	C	14.5	257.	2.2	108.	325.	7.4	0.0	0.60	-0.90
1483.0	1483.2	D	9.9	278.	2.2	111.	327.	7.4	0.0	0.60	-0.30
1486.0	1486.4	C	1.7	171.	2.2	117.	325.	7.4	0.0	-0.40	-0.30
1490.2	1490.4	B	4.6	282.	2.3	105.	320.	7.6	0.0	0.20	-0.10
1495.7	1496.0	D	3.3	227.	2.1	109.	306.	7.8	0.0	-0.10	-0.40
1504.0	1504.3	B	10.0	321.	2.2	108.	329.	7.5	0.0	0.90	0.50
1507.6	1508.0	B	3.7	8.	2.2	111.	324.	7.5	0.0	0.0	0.30
1509.5	1509.9	B	6.4	344.	2.2	112.	326.	7.5	0.0	0.40	0.50
1511.3	1511.8	B	4.1	330.	2.3	112.	329.	7.5	0.0	0.20	0.20
1512.0	1512.2	B	3.9	356.	2.3	112.	330.	7.5	0.0	0.10	0.30
1513.8	1514.3	A	3.7	22.	2.4	113.	326.	7.6	0.0	-0.10	0.30
1514.6	1515.1	C	7.8	355.	2.4	113.	324.	7.5	0.0	0.40	0.70
1520.0	1520.4	D	8.0	295.	2.5	111.	336.	7.5	0.0	0.50	-0.10
1526.2	1526.6	B	13.3	116.	2.5	109.	343.	7.6	0.0	-1.50	0.20
1527.8	1528.4	C	6.5	303.	2.4	104.	341.	7.5	0.0	0.40	0.40
1532.0	1532.4	C	3.9	283.	2.4	107.	314.	7.5	0.0	0.10	-0.10
1538.1	1538.3	B	5.9	116.	2.4	116.	322.	7.4	0.0	-0.90	-0.30
1539.6	1540.0	B	21.5	260.	2.4	110.	334.	7.4	0.0	0.80	-1.50
1549.0	1549.3	B	11.1	356.	2.5	107.	313.	7.5	0.0	0.50	1.10
1552.3	1552.7	B	7.1	328.	2.6	109.	306.	7.5	0.0	0.40	0.50
1558.0	1558.3	B	10.6	118.	2.6	120.	314.	7.5	0.0	-1.50	-0.70
1561.0	1561.4	D	6.3	20.	2.7	122.	343.	7.5	0.0	0.20	0.60
1570.8	1571.3	B	5.3	349.	2.6	110.	340.	7.5	0.0	0.30	0.40
1573.8	1574.0	B	6.0	44.	2.5	109.	353.	7.5	0.0	0.10	0.70
1574.9	1575.1	B	15.1	342.	2.5	109.	354.	7.5	0.0	1.50	0.80
1577.7	1577.8	C	6.2	322.	2.6	110.	22.	7.4	0.0	0.30	-0.10
1581.0	1581.3	C	4.6	39.	2.6	111.	48.	7.4	0.0	0.50	0.50
1582.3	1582.8	B	9.0	112.	2.6	111.	63.	7.4	0.0	0.60	1.30
1588.0	1588.3	B	13.0	323.	2.6	111.	135.	7.3	0.0	-1.10	-0.90
1590.0	1591.2	B	36.0	270.	2.6	111.	148.	7.4	0.0	-2.70	1.60
1594.0	1594.3	C	26.7	325.	2.6	110.	175.	7.4	0.0	-2.70	-0.50
1600.0	1601.0	B	1.1	228.	2.6	110.	175.	7.5	0.0	0.30	0.10
1603.0	1603.2	C	4.5	55.	2.5	109.	170.	7.5	0.0	0.10	-0.50
1608.3	1608.4	C	8.5	195.	2.5	108.	155.	7.4	0.0	0.90	1.00
1610.8	1611.1	B	12.4	140.	2.5	108.	149.	7.4	0.0	1.70	0.80
1616.2	1617.1	B	15.0	37.	2.4	108.	165.	7.4	0.0	-0.60	-1.70
1618.0	1618.4	B	5.8	125.	2.4	108.	165.	7.4	0.0	0.80	0.0
1621.8	1622.0	A	10.0	195.	2.4	110.	163.	7.4	0.0	1.10	1.10
1624.0	1624.6	C	34.0	277.	2.4	110.	169.	7.4	0.0	-1.70	2.30





CORRELATION INTERVAL	CORR. GRADE	DIP ANGLE	DIP AZ.	DRFT ANGLE	DRFT AZ.	AZ. NO.1	DIA 13	DISPLACEMENTS			
								NO.1	NO.2	NO.3	
2816.0	2820.5	A	18.9	24.	0.3	196.	107.	7.4	0.0	0.60	-1.50
2820.5	2822.5	C	17.0	27.	0.3	197.	104.	7.4	0.0	0.70	-1.20
2822.5	2824.5	A	21.7	28.	0.3	199.	101.	7.4	0.0	1.10	-1.40
2824.5	2826.0	A	24.0	24.	0.3	201.	100.	7.4	0.0	1.10	-1.70
2826.0	2828.0	A	18.9	15.	0.3	203.	98.	7.4	0.0	0.60	-1.50
2828.0	2830.0	A	20.0	9.	0.3	204.	95.	7.4	0.0	0.50	-1.70
2831.5	2836.5	C	18.8	41.	0.3	202.	99.	7.4	0.0	1.40	-0.70
2836.5	2838.3	B	16.5	35.	0.3	200.	90.	7.4	0.0	1.30	-0.50
2838.3	2840.3	C	13.9	35.	0.3	200.	89.	7.4	0.0	1.10	-0.40
2840.3	2846.0	C	18.8	74.	0.3	201.	76.	7.3	0.0	2.10	1.30
2849.0	2860.3	C	11.8	330.	0.2	206.	90.	7.3	0.0	-0.50	-1.30
2864.5	2866.0	B	16.4	66.	0.2	201.	121.	7.4	0.0	1.30	-0.50
2866.0	2868.0	B	14.2	59.	0.2	199.	124.	7.4	0.0	0.90	-0.70
2872.0	2874.0	C	18.1	65.	0.3	195.	125.	7.3	0.0	1.30	-0.70
2878.0	2880.0	C	10.3	46.	0.2	193.	101.	7.4	0.0	0.80	-0.30
2880.0	2882.5	B	8.3	22.	0.2	196.	80.	7.4	0.0	0.60	-0.30
2882.5	2884.3	B	11.4	23.	0.2	201.	62.	7.4	0.0	1.10	0.0
2912.5	2913.5	C	11.5	320.	0.6	203.	329.	7.4	0.0	1.30	0.60
2920.0	2922.5	C	26.8	33.	0.6	196.	328.	7.5	0.0	0.90	3.10
2922.5	2924.3	B	27.5	22.	0.5	196.	326.	7.5	0.0	1.40	3.30
2930.0	2932.5	B	13.9	58.	0.5	199.	319.	7.4	0.0	-0.50	1.00
2932.5	2934.3	C	10.0	167.	0.6	200.	319.	7.4	0.0	-0.90	-1.10
2940.5	2942.5	C	9.5	86.	0.6	203.	331.	7.3	0.0	-0.60	0.40
2944.0	2946.0	C	9.7	70.	0.7	204.	327.	7.3	0.0	-0.40	0.60
2954.0	2955.5	C	20.3	9.	0.8	201.	344.	7.3	0.0	1.90	2.00
2962.0	2964.0	C	8.9	65.	0.9	198.	347.	7.5	0.0	0.0	0.80
2967.0	2968.5	C	9.1	16.	0.9	202.	340.	7.5	0.0	0.70	0.90
2968.5	2970.0	B	5.0	349.	1.0	203.	341.	7.4	0.0	0.50	0.30
2970.0	2972.0	C	11.5	6.	1.0	203.	342.	7.3	0.0	1.20	0.60
2972.0	2974.0	B	17.6	38.	1.0	201.	29.	7.3	0.0	1.80	1.40
2974.0	2976.0	B	7.8	69.	1.0	199.	40.	7.3	0.0	0.80	0.90
2976.0	2978.0	B	16.3	38.	1.0	197.	41.	7.3	0.0	1.70	1.90
2978.0	2980.0	B	16.1	34.	1.0	196.	41.	7.3	0.0	1.70	0.90
2982.0	2984.0	B	14.9	70.	0.9	198.	40.	7.3	0.0	1.20	1.50
2987.0	2988.3	B	7.9	85.	0.9	197.	47.	7.3	0.0	0.50	0.80
2991.5	2991.7	C	10.0	59.	0.9	187.	58.	7.3	0.0	1.00	0.70
2994.0	2995.0	C	19.4	69.	0.9	193.	52.	7.3	0.0	1.90	1.80
2996.0	2998.0	C	22.7	155.	0.9	196.	47.	7.3	0.0	-1.30	1.40
3006.0	3008.0	C	16.0	166.	0.9	197.	52.	7.4	0.0	-1.10	0.80
3008.0	3010.0	C	23.7	173.	0.9	195.	67.	7.4	0.0	-0.20	1.60
3012.0	3014.0	C	15.6	154.	1.0	191.	70.	7.4	0.0	-0.20	1.50
3017.5	3018.4	C	10.3	90.	1.0	190.	53.	7.4	0.0	0.70	1.10
3023.7	3024.5	C	6.8	97.	1.0	191.	40.	7.4	0.0	0.20	0.70
3034.0	3036.0	C	6.5	37.	1.1	187.	37.	7.4	0.0	0.60	0.40
3040.0	3042.0	C	8.9	58.	1.0	194.	21.	7.5	0.0	0.60	0.90
3042.0	3044.0	C	8.3	36.	1.0	191.	29.	7.5	0.0	0.80	0.60
3044.0	3046.0	C	11.0	52.	0.9	188.	43.	7.5	0.0	1.10	0.90
3051.0	3052.0	C	11.0	269.	0.9	187.	55.	7.3	0.0	-1.00	-1.20
3054.0	3056.0	C	4.5	328.	0.9	191.	56.	7.3	0.0	0.0	-0.40
3062.3	3064.0	B	25.2	104.	1.0	182.	41.	7.4	0.0	0.80	2.90
3066.0	3068.0	C	9.7	68.	1.0	189.	28.	7.4	0.0	0.60	1.00
3068.0	3070.0	C	10.7	343.	1.0	193.	33.	7.4	0.0	0.80	-0.30
3074.5	3076.0	C	8.7	81.	1.0	191.	64.	7.5	0.0	0.90	0.60
3078.5	3080.0	C	14.1	100.	1.0	191.	63.	7.6	0.0	1.40	1.40
3086.0	3088.0	B	9.3	158.	1.0	192.	82.	7.6	0.0	0.0	1.00

CORRELATION INTERVAL	CORR. GRADE	DIP ANGLE	DIP AZ.	DRFT ANGLE	DRFT AZ.	AZ. NO.1	DIA 13	DISPLACEMENTS			
								NO.1	NO.2	NO.3	
3082.0	3083.3	C	11.9	127.	1.0	193.	81.	7.6	0.0	0.70	1.40
3090.0	3092.0	C	7.1	98.	1.0	187.	75.	7.4	0.0	0.60	0.70

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These data are preliminary and subject to change. The accuracy of the data and the parameters are not guaranteed. The data are for information only and should not be used for any other purpose. Any use of such data is at the user's own risk. The data are for information only, except where due to gross negligence or willful misconduct, for any loss, damage or expense incurred.

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THE FOLLOWING PARAMETERS APPLY TO THE LOG FROM 687.0 FEET TO 3092.0  
MAGNETIC DECLINATION IS 21.0 DEGREES.