

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Subsea TVD FT	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
9241.00	99.40	33.10	8791.04	-8791.04	407.06	446.86	602.22	604.47	47.67	13.92
9273.00	101.80	32.10	8785.15	-8785.15	433.56	463.81	633.18	634.90	46.93	8.10
9305.00	103.70	32.80	8778.09	-8778.09	459.90	480.55	663.89	665.16	46.26	6.31
9336.00	107.30	34.00	8769.81	-8769.81	484.83	496.99	693.36	694.31	45.71	12.20
9368.00	107.30	33.80	8760.29	-8760.29	510.19	514.03	723.56	724.24	45.21	.60
9400.00	106.10	35.30	8751.09	-8751.09	535.43	531.42	753.89	754.38	44.78	5.85
9431.00	105.60	35.00	8742.63	-8742.63	559.82	548.58	783.45	783.80	44.42	1.86
9463.00	104.80	37.20	8734.24	-8734.24	584.77	566.78	814.13	814.36	44.11	7.09
9495.00	104.10	36.90	8726.25	-8726.25	609.50	585.45	844.96	845.13	43.85	2.37
9526.00	103.60	39.10	8718.83	-8718.83	633.21	603.98	874.96	875.07	43.65	7.08
9558.00	103.10	39.10	8711.44	-8711.44	657.38	623.62	906.03	906.11	43.49	1.56
9590.00	102.90	39.80	8704.24	-8704.24	681.45	643.43	937.16	937.22	43.36	2.22
9622.00	102.60	39.90	8697.18	-8697.18	705.41	663.43	968.33	968.37	43.24	.99
9653.00	102.10	39.50	8690.55	-8690.55	728.71	682.77	998.57	998.60	43.14	2.05
9685.00	99.20	42.00	8684.64	-8684.64	752.53	703.30	1030.00	1030.01	43.06	11.88
9717.00	96.40	43.70	8680.29	-8680.29	775.77	724.86	1061.69	1061.71	43.06	10.21
9748.00	92.70	44.50	8677.83	-8677.83	797.96	746.36	1092.58	1092.61	43.09	12.21
9780.00	88.30	45.70	8677.56	-8677.56	820.54	769.02	1124.55	1124.58	43.14	14.25
9812.00	83.30	45.90	8679.90	-8679.90	842.78	791.89	1156.40	1156.45	43.22	15.64
9843.00	78.80	44.00	8684.72	-8684.72	864.44	813.52	1186.99	1187.05	43.26	15.73
9875.00	75.60	42.70	8691.81	-8691.81	887.13	834.94	1218.19	1218.25	43.26	10.76
9906.00	75.70	41.90	8699.49	-8699.49	909.34	855.15	1248.22	1248.27	43.24	2.52
9937.00	75.70	41.70	8707.15	-8707.15	931.74	875.17	1278.26	1278.30	43.21	.63
9969.00	75.70	41.00	8715.05	-8715.05	955.01	895.66	1309.26	1309.30	43.16	2.12
10000.00	75.30	40.90	8722.82	-8722.82	977.68	915.33	1339.26	1339.29	43.11	1.33
10032.00	74.90	41.50	8731.04	-8731.04	1000.95	935.70	1370.17	1370.19	43.07	2.20
10063.00	74.90	41.10	8739.12	-8739.12	1023.44	955.45	1400.09	1400.11	43.03	1.25
10095.00	74.00	41.20	8747.70	-8747.70	1046.65	975.74	1430.91	1430.92	42.99	2.83
10127.00	77.10	41.70	8755.68	-8755.68	1069.87	996.25	1461.88	1461.90	42.96	9.80
10159.00	76.80	41.40	8762.91	-8762.91	1093.20	1016.93	1493.05	1493.06	42.93	1.31
10190.00	78.50	40.70	8769.54	-8769.54	1116.04	1036.81	1523.32	1523.32	42.89	5.91
10222.00	78.40	40.50	8775.95	-8775.95	1139.84	1057.22	1554.65	1554.65	42.85	.69
10253.00	79.00	40.60	8782.02	-8782.02	1162.94	1076.98	1585.03	1585.03	42.80	1.96
Projected Survey to TD										
10303.00	79.00	40.60	8791.56	-8791.56	1200.21	1108.92	1634.07	1634.07	42.74	.00



Job Number:

Company: TEXACO E & P

Lease/Well: NVAWU #15

Location: LEA COUNTY, NM

Rig Name: YALE E KEY

RKB:

G.L. or M.S.L.:

State/Country: NM, USA

Declination: 9.11°

Grid:

File name: G:\DENVER\VGWU\NVA15\NVA15RE.SVY

Date/Time: 12-Jan-98 / 14:25

Curve Name: Phoenix MWD Survey SW

Phoenix Drilling Services, Inc.

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane 225.52

Upper half

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Subsea TVD FT	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Tie in Point										
8500.00	1.20	82.10	8499.38	-8499.38	12.23	88.16	-71.48	89.01	82.10	.01
8548.00	3.30	264.60	8547.36	-8547.36	12.17	87.29	-70.81	88.13	82.06	9.37
8563.00	9.40	264.60	8562.26	-8562.26	12.02	85.63	-69.52	86.47	82.01	40.67
8578.00	15.80	262.20	8576.89	-8576.89	11.62	82.39	-66.93	83.20	81.97	42.80
8593.00	24.20	259.90	8590.97	-8590.97	10.81	77.33	-62.75	78.08	82.04	56.23
8608.00	32.20	254.40	8604.18	-8604.18	9.19	70.44	-56.70	71.04	82.57	56.03
8623.00	40.40	253.60	8616.26	-8616.26	6.74	61.91	-48.90	62.28	83.79	54.76
8638.00	48.70	248.30	8626.95	-8626.95	3.27	51.99	-39.39	52.10	86.40	60.59
8646.00	52.70	245.50	8632.01	-8632.01	.84	46.30	-33.63	46.31	88.96	56.86
8677.00	66.60	237.60	8647.66	-8647.66	-11.97	22.93	-7.97	25.87	117.56	49.89
8709.00	68.70	231.50	8659.83	-8659.83	-29.13	-1.15	21.24	29.16	182.27	18.81
8739.00	69.20	230.30	8670.61	-8670.61	-46.79	-22.88	49.11	52.09	206.06	4.09
8771.00	69.00	230.10	8682.03	-8682.03	-65.93	-45.85	78.91	80.30	214.82	.86
8802.00	68.70	230.20	8693.21	-8693.21	-84.45	-68.05	107.72	108.46	218.86	1.01
8833.00	68.30	229.90	8704.57	-8704.57	-102.97	-90.16	136.48	136.86	221.20	1.57
8865.00	67.70	230.10	8716.56	-8716.56	-122.05	-112.88	166.06	166.25	222.77	1.96
8896.00	66.70	230.10	8728.57	-8728.57	-140.38	-134.81	194.54	194.62	223.84	3.23
8928.00	66.30	229.20	8741.33	-8741.33	-159.38	-157.17	223.81	223.84	224.60	2.87
8959.00	65.80	229.40	8753.92	-8753.92	-177.85	-178.65	252.08	252.09	225.13	1.72
8991.00	67.70	228.10	8766.55	-8766.55	-197.24	-200.75	281.43	281.43	225.51	7.01
9023.00	67.40	227.60	8778.77	-8778.77	-217.08	-222.68	310.98	310.98	225.73	1.72
9055.00	68.30	226.60	8790.83	-8790.83	-237.26	-244.39	340.61	340.61	225.85	4.04
9087.00	00	226.60	8801.10	-8801.10	-257.35	-265.64	369.84	369.85	225.91	15.18

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Subsea TVD FT	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
9117.00	77.70	227.10	8808.94	-8808.94	-277.85	-287.51	399.82	399.83	225.98	15.24
9149.00	82.10	227.10	8814.55	-8814.55	-299.29	-310.58	431.30	431.32	226.06	13.75
9180.00	87.90	227.70	8817.25	-8817.25	-320.19	-333.31	462.16	462.18	226.15	18.81
9211.00	92.40	228.00	8817.17	-8817.17	-340.99	-356.28	493.12	493.16	226.26	14.55
9242.00	96.60	228.20	8814.74	-8814.74	-361.62	-379.28	523.99	524.05	226.37	13.50
9274.00	100.30	228.30	8810.04	-8810.04	-382.69	-402.89	555.60	555.68	226.47	11.57
9305.00	103.90	228.10	8803.54	-8803.54	-402.89	-425.48	585.87	585.97	226.56	11.63
9337.00	103.40	228.10	8795.99	-8795.99	-423.66	-448.63	616.94	617.06	226.64	1.56
9369.00	103.20	228.10	8788.63	-8788.63	-444.46	-471.81	648.05	648.19	226.71	.62
9400.00	103.20	228.00	8781.55	-8781.55	-464.63	-494.26	678.20	678.36	226.77	.31
9432.00	102.70	227.90	8774.38	-8774.38	-485.52	-517.41	709.36	709.54	226.82	1.59
9463.00	102.40	227.50	8767.64	-8767.64	-505.89	-539.79	739.59	739.80	226.86	1.59
9494.00	102.40	227.60	8760.98	-8760.98	-526.32	-562.13	769.85	770.07	226.88	.32
9526.00	101.90	227.30	8754.25	-8754.25	-547.48	-585.18	801.12	801.35	226.91	1.81
9557.00	101.40	227.30	8747.99	-8747.99	-568.07	-607.49	831.46	831.71	226.92	1.61
9589.00	100.40	226.80	8741.94	-8741.94	-589.48	-630.49	862.88	863.13	226.93	3.48
9621.00	101.70	226.30	8735.81	-8735.81	-611.07	-653.29	894.28	894.54	226.91	4.34
9653.00	101.60	225.90	8729.34	-8729.34	-632.81	-675.87	925.62	925.88	226.88	1.26
9684.00	103.20	225.70	8722.69	-8722.69	-653.91	-697.58	955.89	956.15	226.85	5.20
9716.00	102.80	225.30	8715.49	-8715.49	-675.77	-719.82	987.07	987.32	226.81	1.75
9747.00	98.90	225.90	8709.65	-8709.65	-697.06	-741.57	1017.51	1017.75	226.77	12.72
9779.00	94.50	226.40	8705.92	-8705.92	-719.08	-764.48	1049.28	1049.52	226.75	13.84
9811.00	89.60	225.80	8704.78	-8704.78	-741.24	-787.52	1081.25	1081.49	226.73	15.43
9843.00	85.80	226.00	8706.06	-8706.06	-763.49	-810.47	1113.22	1113.46	226.71	11.89
9875.00	80.80	226.60	8709.79	-8709.79	-785.44	-833.44	1144.99	1145.23	226.70	15.74
9906.00	76.10	224.90	8716.00	-8716.00	-806.63	-855.19	1175.35	1175.59	226.67	16.08
9938.00	71.80	224.50	8724.84	-8724.84	-828.48	-876.82	1206.09	1206.31	226.62	13.49
9969.00	70.30	224.40	8734.91	-8734.91	-849.41	-897.35	1235.40	1235.61	226.57	4.85
10001.00	67.80	225.30	8746.35	-8746.35	-870.59	-918.43	1265.28	1265.48	226.53	8.24
10033.00	67.80	225.20	8758.44	-8758.44	-891.45	-939.47	1294.91	1295.10	226.50	.29
10064.00	67.60	225.10	8770.21	-8770.21	-911.68	-959.80	1323.59	1323.78	226.47	.71
10096.00	67.20	225.00	8782.50	-8782.50	-932.55	-980.71	1353.13	1353.31	226.44	1.28
10127.00	67.30	225.10	8794.49	-8794.49	-952.75	-1000.94	1381.72	1381.89	226.41	.44
10159.00	67.20	225.20	8806.87	-8806.87	-973.56	-1021.86	1411.23	1411.39	226.39	.43
10191.00	66.90	225.30	8819.34	-8819.34	-994.31	-1042.79	1440.70	1440.85	226.36	.98
10222.00	66.80	225.10	8831.53	-8831.53	-1014.39	-1063.02	1469.20	1469.35	226.34	.68
Projected Survey to TD										
10266.00	66.80	225.10	8848.86	-8848.86	-1042.94	-1091.66	1509.64	1509.78	226.31	.00

TEXACO NVAWU # 5

Denver Region Estimate: 683704

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SURVEY REPORT

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Lateral: NE

Proposed Direction: 49.02

Dog Leg Severity per: 100 feet

Measured Depth	Inclination	Azimuth	True Vertical Depth	North/South Coordinate	East/West Coordinate	Vertical Section	Dog Leg Severity	Survey Tool
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8600	0.60	92.80	8589.60	180.50	84.30	182.01	0.10	
8660	4.30	60.30	8669.51	181.97	87.32	185.26	4.76	
8701	14.40	60.30	8690.21	183.65	90.28	188.60	48.10	
8717	23.10	60.30	8705.35	186.20	94.75	193.64	54.38	
8732	31.50	59.80	8718.66	189.64	100.70	200.39	56.02	
8764	48.20	53.80	8743.15	200.97	117.68	220.63	53.50	
8794	62.10	48.40	8760.26	216.46	136.72	245.17	48.60	
8827	65.50	49.60	8774.83	235.88	159.06	274.77	10.81	
8858	68.10	50.10	8787.04	254.25	180.84	303.26	8.52	
8890	73.60	50.30	8797.53	273.59	204.06	333.47	17.20	
8922	74.30	50.70	8806.38	293.15	227.79	364.21	2.50	
8953	79.10	51.50	8813.51	312.09	251.26	394.35	15.69	
8981	79.00	47.50	8818.83	329.94	272.16	421.83	14.03	
9014	79.40	47.60	8825.01	351.82	296.08	454.24	1.25	
9046	78.60	47.50	8831.12	373.02	319.25	485.64	2.52	
9078	77.60	47.10	8837.72	394.25	342.27	516.94	3.36	
9109	76.70	47.60	8844.61	414.73	364.50	547.15	3.30	
9141	76.20	47.30	8852.11	435.76	387.41	578.25	1.81	
9173	75.20	46.90	8860.01	456.87	410.13	609.24	3.35	
9205	75.40	47.90	8868.14	477.82	432.91	640.18	3.09	
9237	79.40	50.90	8875.12	498.13	456.62	671.39	15.49	
9268	82.00	52.90	8880.13	517.01	480.69	701.94	10.53	
9300	84.50	53.80	8883.89	535.97	506.19	733.63	8.30	
9332	90.40	55.30	8885.31	554.51	532.22	765.43	19.02	
9364	95.50	56.40	8883.66	572.44	558.65	797.15	16.30	
9394	101.00	55.60	8879.36	589.03	583.26	826.61	18.52	
9427	105.20	56.70	8871.88	606.94	609.94	858.50	13.13	
9459	104.70	56.20	8863.63	624.02	635.71	889.15	2.17	
9491	104.00	54.90	8855.70	641.56	661.27	919.95	4.50	
9522	103.70	54.20	8848.27	659.02	685.79	949.91	2.40	
9552	101.80	52.80	8841.65	676.42	709.31	979.08	7.80	
9584	101.60	52.60	8835.16	695.41	734.24	1010.35	0.87	
9615	101.80	52.30	8828.88	713.91	758.30	1040.65	1.15	
9647	101.60	52.40	8822.39	733.05	783.11	1071.93	0.70	
9679	100.90	52.40	8816.15	752.20	807.98	1103.26	2.19	
9710	100.70	52.60	8810.34	770.74	832.14	1133.56	0.90	
9741	100.70	52.90	8804.58	789.18	856.39	1164.06	0.95	
9772	99.70	52.80	8799.09	807.60	880.70	1194.50	3.24	
9805	96.50	51.90	8794.44	827.55	906.57	1227.11	10.07	
9836	93.00	52.00	8791.88	846.59	930.89	1257.96	11.29	
9868	89.70	50.90	8791.12	866.53	955.91	1289.91	10.97	
9900	88.70	50.90	8791.57	886.71	980.74	1321.89	3.13	
9930	88.80	51.20	8792.22	905.56	1004.06	1351.87	1.05	
9962	89.30	51.10	8792.75	925.63	1028.98	1383.84	1.59	
9994	86.20	51.30	8794.01	945.66	1053.90	1415.79	9.71	
10025	83.60	51.60	8796.80	964.70	1078.20	1446.50	8.40	
10030	83.20	51.30	8797.34	968.07	1081.87	1451.60	8.33	
10057	83.60	51.50	8800.40	984.40	1103.10	1478.40	0.30	
10089	83.30	51.30	8804.00	1004.30	1127.90	1510.10	1.10	
10120	81.80	51.40	8808.00	1023.50	1151.90	1540.80	4.80	
10152	81.90	51.40	8812.60	1043.20	1176.70	1572.50	0.30	

TEXACO
Denver RegionNVAWU # 5
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10184	81.70	51.10	8817.10	1063.10	1201.40	1604.10	1.10
10206	81.70	50.40	8820.30	1076.80	1218.30	1625.90	3.10
10237	81.50	50.20	8824.80	1096.40	1241.90	1656.60	0.90
10269	81.80	50.60	8829.50	1116.60	1266.20	1688.20	1.60
10300	81.70	50.60	8833.90	1136.10	1290.00	1718.90	0.30
10322	82.20	51.40	8838.40	1156.00	1314.60	1750.50	2.90
10363	82.40	52.20	8842.60	1175.00	1338.70	1781.20	2.60
10394	82.50	52.40	8846.60	1193.80	1363.00	1811.90	0.70
10406	82.10	52.90	8848.20	1201.00	1372.50	1823.80	5.30 STEER
10430	82.10	52.90	8851.50	1215.40	1391.50	1847.50	0.00 PROJECTED

DIAMONDBACK DRILLING SERVICES
HORIZONTAL SURVEY PROGRAM
MINIMUM CURVATURE CALCULATIONS(SPE-3362)

OPERATOR: TEXACO E & P, INC.						3/19/98		CURVE SIDETRACK		
WELL: NVAWU # 3						3/19/98				
LOCATION: LEA COUNTY, NEW MEXICO										
JOB # 9819416004										
DIP1 = -7.80 deg = 82.20 deg						DATE: 4/3/98		MAG DECLINATION		
TARGET1 = 8,856 ft TVD						TIME: 9:44 AM		9.11 EAST		
VS1 = 1,701 ft										
DIP2 = -7.80 deg = 82.20 deg										
TARGET2 = 8,856 ft TVD						DIRECTION 45.00				
VS2 = 1,701 ft										
TRUE CENTER										
SVY #	MEASURED DEPTH	INCL (DRIFT)	AZIMUTH (DIR)	VERTICAL DEPTH	VERTICAL SECTION	DLS/100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	NORTH(+) SOUTH(-)	EAST(+) WEST(-)
TIE	8647	1.4	150.0	8646.0	-21.3	0.8	-26.0	67.5	-62.8	32.7
1	8706	4.8	43.7	8704.9	-19.0	9.1	-84.6	68.1	-61.6	34.7
2	8721	12.5	43.7	8719.7	-16.8	51.3	-99.1	68.1	-60.0	36.3
3	8736	20.1	43.7	8734.1	-12.6	50.7	-112.9	68.0	-57.0	39.2
4	8751	27.2	41.9	8747.9	-6.6	47.6	-125.8	67.7	-52.5	43.3
5	8766	34.2	42.6	8760.8	1.1	46.7	-137.7	67.4	-46.9	48.4
6	8781	41.4	43.3	8772.6	10.3	48.1	-148.2	67.0	-40.1	54.7
7	8817	56.5	45.2	8796.2	37.3	42.1	-168.1	66.7	-20.8	73.6
8	8849	62.2	46.2	8812.5	64.8	18.0	-180.6	67.1	-1.6	93.3
9	8881	67.5	46.5	8826.1	93.8	16.6	-190.3	67.8	18.4	114.2
10	8912	74.2	46.2	8836.2	123.1	21.6	-196.4	68.5	38.6	135.4
11	8944	78.9	45.7	8843.7	154.2	14.8	-199.6	69.0	60.2	157.8
12	8976	80.0	42.5	8849.5	185.6	10.4	-201.2	68.5	82.8	179.0
13	9008	79.3	40.3	8855.3	217.0	7.1	-202.6	66.5	106.4	200.8
14	9039	81.7	40.7	8860.4	247.5	7.8	-203.6	64.1	129.7	220.3
15	9071	84.8	41.1	8864.2	279.2	9.8	-203.0	61.8	153.7	241.1
16	9102	86.2	40.3	8866.6	310.0	5.2	-201.2	59.5	177.1	261.3
17	9134	85.2	39.8	8869.0	341.8	3.5	-199.2	56.8	201.6	281.8
18	9165	85.9	39.5	8871.4	372.6	2.5	-197.4	53.9	225.4	301.6
19	9197	86.0	38.7	8873.7	404.3	2.5	-195.3	50.6	250.1	321.7
20	9229	89.4	39.5	8875.0	436.1	10.9	-192.3	47.3	274.9	341.8
21	9260	94.9	38.3	8873.8	466.9	18.2	-186.9	44.0	299.0	361.3
22	9291	95.8	38.4	8870.9	497.6	2.9	-179.8	40.4	323.2	380.4
23	9322	94.6	38.5	8868.1	528.2	3.9	-172.8	36.9	347.4	399.6
24	9354	94.2	38.5	8865.6	559.9	1.3	-166.0	33.3	372.4	419.5
25	9386	93.9	38.5	8863.4	591.7	0.9	-159.4	29.7	397.1	439.4
26	9417	95.4	39.1	8860.9	622.4	5.2	-152.7	26.4	421.4	458.7
27	9449	95.7	39.3	8857.8	654.1	1.1	-145.2	23.1	446.1	478.9
28	9479	95.3	38.7	8854.9	683.8	2.4	-138.3	20.0	469.3	497.7
29	9510	94.2	37.3	8852.3	714.4	5.7	-131.5	16.3	493.7	516.7
30	9542	94.1	37.6	8850.0	746.1	1.6	-124.9	12.1	519.0	536.1
31	9574	98.9	40.3	8846.4	777.7	16.9	-116.9	8.8	543.7	556.1
32	9606	98.3	40.0	8841.7	808.2	2.2	-108.1	6.2	567.1	575.9
33	9637	99.3	41.7	8836.9	839.8	6.1	-98.9	3.9	591.0	596.6
34	9669	99.7	41.2	8831.6	871.3	2.0	-89.3	2.0	614.7	617.5
35	9700	102.7	43.0	8825.6	901.6	11.2	-79.1	0.4	637.2	637.9
36	9732	102.4	42.6	8818.6	932.8	1.5	-67.9	-0.8	660.2	659.1
37	9763	102.3	42.3	8812.0	963.1	1.0	-57.1	-2.1	682.5	679.5

PFA

PHOENIX DRILLING SERVICES
HORIZONTAL SURVEY PROGRAM
CURVATURE CALCULATIONS(SPF)

OPERATOR: TEXACO E & P, INC.						3/21/98		CURVE			
WELL: NVAWU # 3						3/26/98					
LOCATION: LEA COUNTY, NEW MEXICO											
JOB NO: 183051											
DIP1 = 11.55 deg = 101.55 deg						DATE: 3/29/98		MAG DECLINATION			
TARGET1 = 8,791 ft TVD								9 11 EAST			
VS1 = 1,058 ft						TIME: 11:47 PM					
DIP2 = 11.55 deg = 101.55 deg											
TARGET2 = 8,791 ft TVD						DIRECTION 45.00					
VS2 = 1,058 ft											
		TRUE					CENTER				
SVY #	MEASURED DEPTH	INCL (DRIFT)	AZIMUTH (DIR)	VERTICAL DEPTH	VERTICAL SECTION	DLS/100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	NORTH(+) SOUTH(-)	EAST(+) WEST(-)	
TIE	8647	1.4	150.0	8646.0	-21.3	0.8	365.5	67.5	-62.8	32.7	
1	8706	4.8	43.7	8704.9	-19.0	9.1	305.1	68.1	-61.6	34.7	
2	8721	12.5	43.7	8719.7	-16.8	51.3	290.8	58.1	-60.0	36.3	
3	8736	20.1	43.7	8734.1	-12.6	50.7	275.6	68.0	-57.0	39.2	
4	8751	27.2	41.9	8747.9	-6.6	47.6	260.6	67.7	-52.5	43.3	
5	8766	34.2	42.6	8760.8	1.1	46.7	246.2	67.4	-46.9	48.4	
6	8781	41.4	43.3	8772.6	10.3	48.1	232.4	67.0	-40.1	54.7	
7	8811	46.5	45.2	8796.2	37.3	42.1	203.3	66.7	-20.8	73.6	
8		62.2	46.2	8812.5	64.8	18.0	181.4	67.1	-1.6	93.3	
9		67.5	46.5	8826.1	93.8	16.6	161.9	67.8	18.4	114.2	
10		74.2	46.2	8836.2	123.1	21.6	145.7	68.5	38.6	135.4	
		78.9	45.7	8843.7	154.2	14.8	131.9	69.0	60.2	157.8	
12	8976	80.0	42.5	8849.5	185.6	10.4	119.7	68.5	82.8	179.7	
13	9008	79.3	40.3	8855.3	217.0	7.1	107.5	66.5	107.4	200.6	
14	9039	81.7	40.7	8860.4	247.5	7.8	96.1	64.1	128.7	222.6	
15	9071	84.8	41.1	8864.2	279.2	9.8	85.9	61.8	153.7	241.1	
16	9102	86.2	40.3	8866.6	310.0	5.2	77.2	59.5	177.1	261.3	
17	9134	85.2	39.8	8869.0	341.8	3.5	68.3	56.8	201.6	281.8	
18	9165	85.9	39.5	8871.4	372.6	2.5	59.6	53.9	225.4	301.6	
19	9197	88.1	40.0	8873.1	404.4	7.0	51.4	51.0	249.9	322.0	
20	9229	88.0	39.5	8874.7	436.7	1.6	43.8	48.0	274.5	342.4	
21	9261	87.0	40.0	8875.6	468.1	3.5	35.0	46.1	300.1	362.9	
22	9292	86.0	39.7	8877.5	498.9	3.4	27.7	42.3	322.8	382.7	
23	9324	85.2	38.9	8879.9	530.6	3.5	18.8	39.2	347.5	402.9	
24	9355	88.0	42.0	8881.8	561.6	13.6	10.6	36.7	371.1	423.0	
25	9386	97.6	56.7	8880.2	592.2	56.5	5.9	39.0	391.2	446.4	
TD	9442	97.6	56.7	8872.8	645.6	0.0	2.2	50.3	421.7	466.3	

1ST
LEG