COMPANY: Kaiser-Francis
PROJECT: Eddy County, New Mexico (NAD 83)
SITE: Loving Townsite WC
WELL: Loving Townsite WC 2H
MAP SYSTE US State Plane 1983
MAP ZONE New Mexico Eastern Zone
NORTH RE Grid
KB-MSL: 3092.70
GLE: 3069.70

WELLBORE Wellbore #1
DESIGN: Surveys
VS AZI: 89.74

SURVEY TOOL PROGRAM:
H 143.00 - 15353.00 MS MWD : MWD

MD	INC	AZI	Course Length	TVD	Subsea Depth	Local N/S	Local E/W	Map Northing	Map Easting
0.00	0.00	0.00	0.00	0.00	3092.70	0.00	0.00	########	########
143.00	0.50	235.20	143.00	143.00	2949.70	-0.36	-0.51	########	########
243.00	0.20	242.10	100.00	243.00	2849.70	-0.69	-1.02	########	########
336.00	1.50	356.40	93.00	335.99	2756.71	0.45	-1.24	########	########
391.00	1.80	345.90	55.00	390.96	2701.74	2.01	-1.50	########	########
520.00	2.00	354.50	129.00	519.89	2572.81	6.21	-2.21	########	########
614.00	1.90	355.60	94.00	613.84	2478.86	9.40	-2.49	########	########
708.00	2.20	2.00	94.00	707.78	2384.92	12.76	-2.54	########	########
801.00	2.40	349.20	93.00	800.70	2292.00	16.45	-2.85	########	########
895.00	2.00	349.10	94.00	894.63	2198.07	20.00	-3.52	########	########
988.00	2.00	1.60	93.00	987.58	2105.12	23.21	-3.79	########	########
1082.00	1.80	355.90	94.00	1081.53	2011.17	26.33	-3.85	########	########
1176.00	2.00	359.60	94.00	1175.47	1917.23	29.44	-3.96	########	########
1270.00	1.70	358.70	94.00	1269.43	1823.27	32.47	-4.01	########	########
1364.00	0.30	296.40	94.00	1363.41	1729.29	33.98	-4.26	########	########
1457.00	0.40	208.90	93.00	1456.41	1636.29	33.80	-4.63	########	########
1551.00	0.60	277.20	94.00	1550.41	1542.29	33.57	-5.28	########	########
1644.00	0.30	237.60	93.00	1643.40	1449.30	33.51	-5.97	########	########
1738.00	0.30	303.40	94.00	1737.40	1355.30	33.51	-6.38	########	########
1833.00	0.40	122.90	95.00	1832.40	1260.30	33.47	-6.31	########	########
1896.00	0.90	146.60	63.00	1895.40	1197.30	32.93	-5.85	########	########
1959.00	0.90	116.90	63.00	1958.39	1134.31	32.30	-5.14	########	########
2022.00	0.70	143.20	63.00	2021.38	1071.32	31.76	-4.47	########	########
2085.00	1.30	126.50	63.00	2084.37	1008.33	31.03	-3.66	########	########
2148.00	1.40	131.10	63.00	2147.36	945.34	30.10	-2.51	########	########
2211.00	2.00	126.10	63.00	2210.33	882.37	28.95	-1.04	########	########
2274.00	2.40	118.70	63.00	2273.28	819.42	27.67	1.00	########	########

Lat	Long	Dogleg Severity	T.Face	Vert Sec	Annotation
32° 17' 10..	104° 6' 32.:	0.00	0.00	0.00	
32° 17' 10..	104° 6' 32.:	0.35	235.20	-0.51	
32° 17' 10..	104° 6' 32.:	0.30	175.44	-1.03	
32° 17' 10..	104° 6' 32.:	1.71	120.87	-1.24	
32° 17' 10..	104° 6' 32.:	0.77	309.45	-1.49	
32° 17' 10..	104° 6' 32.:	0.27	59.30	-2.18	
32° 17' 10..	104° 6' 32.:	0.11	160.03	-2.44	
32° 17' 10..	104° 6' 32.:	0.40	40.58	-2.49	
32° 17' 10..	104° 6' 32.:	0.59	284.80	-2.77	
32° 17' 10..	104° 6' 32.:	0.43	180.50	-3.43	
32° 17' 10..	104° 6' 32.:	0.47	96.25	-3.68	
32° 17' 10..	104° 6' 32.:	0.29	220.55	-3.73	
32° 17' 10..	104° 6' 32.:	0.25	33.38	-3.83	
32° 17' 10..	104° 6' 32.:	0.32	185.08	-3.86	
32° 17' 10..	104° 6' 32.:	1.68	189.66	-4.10	
32° 17' 10..	104° 6' 32.:	0.53	234.74	-4.48	
32° 17' 10..	104° 6' 32.:	0.62	107.72	-5.13	
32° 17' 10..	104° 6' 32.:	0.45	207.40	-5.82	
32° 17' 10..	104° 6' 32.:	0.35	122.90	-6.23	
32° 17' 10..	104° 6' 32.:	0.74	179.71	-6.16	
32° 17' 10..	104° 6' 32.:	0.88	40.46	-5.70	
32° 17' 10..	104° 6' 32.:	0.73	255.15	-4.99	
32° 17' 10..	104° 6' 32.:	0.66	131.30	-4.32	
32° 17' 10..	104° 6' 32.:	1.05	325.58	-3.52	
32° 17' 10..	104° 6' 32.:	0.23	49.62	-2.37	
32° 17' 10..	104° 6' 32.:	0.98	343.61	-0.91	
32° 17' 10..	104° 6' 32.:	0.78	320.88	1.13	

2336.00	2.00	125.00	62.00	2335.24	757.46	26.42	3.03	########	########
2370.00	1.80	117.20	34.00	2369.22	723.48	25.84	3.99	########	########
2524.00	1.50	116.50	154.00	2523.15	569.55	23.83	7.95	########	########
2619.00	1.90	149.00	95.00	2618.11	474.59	21.93	9.87	########	########
2713.00	2.20	157.40	94.00	2712.05	380.65	18.93	11.37	########	########
2807.00	2.10	159.70	94.00	2805.99	286.71	15.64	12.66	########	########
2901.00	2.00	158.40	94.00	2899.93	192.77	12.50	13.86	########	########
2996.00	2.00	162.10	95.00	2994.87	97.83	9.39	14.98	########	########
3090.00	2.10	163.40	94.00	3088.81	3.89	6.17	15.97	########	########
3185.00	1.90	166.20	95.00	3183.75	-91.05	2.98	16.85	########	########
3279.00	1.30	212.00	94.00	3277.72	-185.02	0.56	16.65	########	########
3373.00	1.30	232.10	94.00	3371.69	-278.99	-1.00	15.25	########	########
3467.00	1.40	231.60	94.00	3465.67	-372.97	-2.37	13.50	########	########
3562.00	1.50	225.30	95.00	3560.64	-467.94	-3.96	11.71	########	########
3656.00	1.30	229.30	94.00	3654.61	-561.91	-5.52	10.03	########	########
3751.00	1.40	231.50	95.00	3749.58	-656.88	-6.95	8.30	########	########
3846.00	1.40	228.30	95.00	3844.56	-751.86	-8.44	6.53	########	########
3940.00	0.80	221.60	94.00	3938.54	-845.84	-9.70	5.24	########	########
4035.00	0.40	227.10	95.00	4033.53	-940.83	-10.42	4.55	########	########
4129.00	0.50	214.10	94.00	4127.53	-1034.83	-10.98	4.08	########	########
4224.00	0.40	202.00	95.00	4222.53	-1129.83	-11.63	3.73	########	########
4318.00	0.40	211.80	94.00	4316.52	-1223.82	-12.22	3.43	########	########
4412.00	0.50	216.30	94.00	4410.52	-1317.82	-12.83	3.01	########	########
4507.00	0.30	244.20	95.00	4505.52	-1412.82	-13.27	2.54	########	########
4601.00	0.40	268.60	94.00	4599.52	-1506.82	-13.38	2.00	########	########
4695.00	0.50	225.60	94.00	4693.51	-1600.81	-13.68	1.37	########	########
4790.00	0.50	216.90	95.00	4788.51	-1695.81	-14.30	0.83	########	########
4884.00	0.60	210.50	94.00	4882.51	-1789.81	-15.05	0.33	########	########
4978.00	0.60	208.30	94.00	4976.50	-1883.80	-15.91	-0.15	########	########
5073.00	0.60	202.90	95.00	5071.50	-1978.80	-16.81	-0.58	########	########
5167.00	0.60	214.50	94.00	5165.49	-2072.79	-17.67	-1.05	########	########
5262.00	0.80	206.90	95.00	5260.48	-2167.78	-18.67	-1.63	########	########
5357.00	0.70	194.50	95.00	5355.48	-2262.78	-19.82	-2.08	########	########
5451.00	0.90	158.80	94.00	5449.47	-2356.77	-21.06	-1.95	########	########
5546.00	1.00	181.50	95.00	5544.45	-2451.75	-22.59	-1.71	########	########
5641.00	0.70	192.40	95.00	5639.44	-2546.74	-23.98	-1.85	########	########
5735.00	0.20	177.30	94.00	5733.44	-2640.74	-24.71	-1.97	########	########
5829.00	0.10	58.10	94.00	5827.44	-2734.74	-24.83	-1.89	########	########
5924.00	0.40	13.80	95.00	5922.44	-2829.74	-24.46	-1.74	########	########
6019.00	0.50	35.50	95.00	6017.44	-2924.74	-23.80	-1.42	########	########
6113.00	0.30	293.20	94.00	6111.44	-3018.74	-23.37	-1.41	########	########
6208.00	3.10	258.00	95.00	6206.38	-3113.68	-23.81	-4.15	########	########
6302.00	4.50	248.20	94.00	6300.18	-3207.48	-25.71	-10.06	########	########
6397.00	4.20	247.60	95.00	6394.90	-3302.20	-28.42	-16.74	########	########
6491.00	2.50	236.90	94.00	6488.74	-3396.04	-30.85	-21.64	########	########
6586.00	2.90	221.20	95.00	6583.64	-3490.94	-33.79	-24.96	########	########
6681.00	2.90	206.20	95.00	6678.52	-3585.82	-37.75	-27.60	########	########

32° 17' 10.	104° 6' 32.	0.75	151.96	3.15
32° 17' 10.	104° 6' 32.	0.96	228.43	4.11
32° 17' 10.	104° 6' 32.	0.20	183.49	8.05
32° 17' 10.	104° 6' 32.	1.08	84.26	9.97
32° 17' 10.	104° 6' 32.	0.45	49.29	11.45
32° 17' 10.	104° 6' 32.	0.14	140.36	12.73
32° 17' 10.	104° 6' 32.	0.12	204.29	13.91
32° 17' 10.	104° 6' 32.	0.14	91.85	15.02
32° 17' 10.	104° 6' 32.	0.12	25.59	16.00
32° 17' 10.	104° 6' 32.	0.23	155.35	16.86
32° 17' 10.	104° 6' 32.	1.45	136.83	16.66
32° 17' 10.	104° 6' 32.	0.48	100.05	15.24
32° 17' 10.	104° 6' 32.	0.11	353.03	13.49
32° 17' 10.	104° 6' 32.	0.20	298.92	11.69
32° 17' 10.	104° 6' 32.	0.24	155.95	10.00
32° 17' 10.	104° 6' 32.	0.12	28.50	8.27
32° 17' 10.	104° 6' 32.	0.08	268.40	6.49
32° 17' 10.	104° 6' 32.	0.65	188.76	5.19
32° 17' 10.	104° 6' 32.	0.42	174.55	4.51
32° 17' 10.	104° 6' 32.	0.15	307.78	4.03
32° 17' 10.	104° 6' 32.	0.14	217.60	3.67
32° 17' 10.	104° 6' 32.	0.07	94.90	3.37
32° 17' 10.	104° 6' 32.	0.11	21.72	2.96
32° 17' 10.	104° 6' 32.	0.29	149.13	2.48
32° 17' 10.	104° 6' 32.	0.19	68.75	1.93
32° 17' 10.	104° 6' 32.	0.36	264.25	1.31
32° 17' 10.	104° 6' 32.	0.08	265.65	0.76
32° 17' 10.	104° 6' 32.	0.12	325.21	0.26
32° 17' 10.	104° 6' 32.	0.02	268.90	-0.22
32° 17' 10.	104° 6' 32.	0.06	267.30	-0.66
32° 17' 10.	104° 6' 32.	0.13	95.80	-1.13
32° 17' 10.	104° 6' 32.	0.23	331.27	-1.72
32° 17' 10.	104° 6' 32.	0.20	232.26	-2.17
32° 17' 10.	104° 6' 32.	0.56	273.37	-2.05
32° 17' 10.	104° 6' 32.	0.41	86.66	-1.81
32° 17' 10.	104° 6' 32.	0.36	157.05	-1.96
32° 17' 10.	104° 6' 32.	0.54	185.87	-2.08
32° 17' 10.	104° 6' 32.	0.28	199.33	-2.00
32° 17' 10.	104° 6' 32.	0.35	303.69	-1.85
32° 17' 10.	104° 6' 32.	0.21	70.75	-1.53
32° 17' 10.	104° 6' 32.	0.68	207.47	-1.51
32° 17' 10.	104° 6' 32.	3.01	321.34	-4.26
32° 17' 10.	104° 6' 33.	1.64	330.17	-10.18
32° 17' 10.	104° 6' 33.	0.32	188.33	-16.87
32° 17' 9.9	104° 6' 33.	1.92	194.91	-21.78
32° 17' 9.9	104° 6' 33.	0.88	290.42	-25.11
32° 17' 9.9	104° 6' 33.	0.80	262.51	-27.77

6775.00	2.70	194.70	94.00	6772.40	-3679.70	-42.03	-29.21	########	########
6870.00	2.20	189.30	95.00	6867.32	-3774.62	-45.99	-30.07	########	########
6965.00	2.70	199.10	95.00	6962.23	-3869.53	-49.91	-31.10	########	########
7060.00	4.40	204.80	95.00	7057.04	-3964.34	-55.33	-33.36	########	########
7155.00	5.70	205.00	95.00	7151.67	-4058.97	-62.91	-36.89	########	########
7249.00	6.50	196.00	94.00	7245.14	-4152.44	-72.26	-40.32	########	########
7344.00	8.10	191.70	95.00	7339.37	-4246.67	-83.98	-43.16	########	########
7438.00	9.10	189.50	94.00	7432.31	-4339.61	-97.80	-45.73	########	########
7533.00	10.30	184.20	95.00	7525.95	-4433.25	-113.68	-47.60	########	########
7628.00	9.30	182.20	95.00	7619.57	-4526.87	-129.82	-48.51	########	########
7723.00	9.80	181.50	95.00	7713.25	-4620.55	-145.57	-49.02	########	########
7817.00	11.00	185.60	94.00	7805.71	-4713.01	-162.50	-50.10	########	########
7912.00	10.20	188.00	95.00	7899.08	-4806.38	-179.85	-52.16	########	########
8006.00	11.10	189.70	94.00	7991.46	-4898.76	-197.01	-54.84	########	########
8101.00	8.30	193.20	95.00	8085.10	-4992.40	-212.70	-57.95	########	########
8195.00	6.60	192.40	94.00	8178.30	-5085.60	-224.58	-60.66	########	########
8290.00	6.20	190.30	95.00	8272.71	-5180.01	-234.96	-62.75	########	########
8384.00	7.60	183.70	94.00	8366.03	-5273.33	-246.16	-64.06	########	########
8479.00	8.80	184.50	95.00	8460.05	-5367.35	-259.67	-65.03	########	########
8574.00	10.30	191.60	95.00	8553.74	-5461.04	-275.24	-67.31	########	########
8669.00	11.00	191.50	95.00	8647.10	-5554.40	-292.44	-70.83	########	########
8763.00	10.30	196.00	94.00	8739.48	-5646.78	-309.31	-74.93	########	########
8858.00	8.40	202.50	95.00	8833.22	-5740.52	-323.88	-79.93	########	########
8953.00	7.70	195.40	95.00	8927.29	-5834.59	-336.43	-84.27	########	########
9047.00	7.50	194.90	94.00	9020.46	-5927.76	-348.43	-87.52	########	########
9142.00	6.90	199.10	95.00	9114.71	-6022.01	-359.82	-90.98	########	########
9237.00	6.20	195.40	95.00	9209.09	-6116.39	-370.15	-94.21	########	########
9331.00	5.70	191.70	94.00	9302.58	-6209.88	-379.62	-96.51	########	########
9426.00	4.40	187.50	95.00	9397.21	-6304.51	-387.85	-97.94	########	########
9521.00	4.20	175.20	95.00	9491.95	-6399.25	-394.93	-98.13	########	########
9615.00	3.40	178.80	94.00	9585.74	-6493.04	-401.15	-97.78	########	########
9709.00	1.90	201.00	94.00	9679.64	-6586.94	-405.39	-98.28	########	########
9772.00	1.50	221.60	63.00	9742.61	-6649.91	-406.98	-99.20	########	########
9813.00	1.40	231.90	41.00	9783.60	-6690.90	-407.69	-99.95	########	########
9860.00	2.80	116.80	47.00	9830.58	-6737.88	-408.56	-99.38	########	########
9907.00	12.30	102.00	47.00	9877.12	-6784.42	-410.13	-93.44	########	########
9954.00	20.90	88.20	47.00	9922.14	-6829.44	-410.91	-80.14	########	########
10002.00	24.60	79.80	48.00	9966.41	-6873.71	-408.87	-61.73	########	########
10049.00	28.30	76.30	47.00	10008.48	-6915.78	-404.49	-41.27	########	########
10096.00	31.10	77.40	47.00	10049.30	-6956.60	-399.21	-18.60	########	########
10143.00	33.90	77.70	47.00	10088.94	-6996.24	-393.76	6.06	########	########
10191.00	37.30	79.40	48.00	10127.96	-7035.26	-388.24	33.44	########	########
10238.00	41.70	82.00	47.00	10164.22	-7071.52	-383.44	62.94	########	########
10285.00	46.10	82.40	47.00	10198.08	-7105.38	-379.02	95.22	########	########
10332.00	49.90	83.50	47.00	10229.53	-7136.83	-374.74	129.87	########	########
10380.00	52.50	85.60	48.00	10259.60	-7166.90	-371.21	167.11	########	########
10427.00	55.40	88.40	47.00	10287.26	-7194.56	-369.23	205.05	########	########

32° 17' 9.8	104° 6' 33..	0.63	244.72	-29.40
32° 17' 9.8	104° 6' 33..	0.58	202.10	-30.28
32° 17' 9.8	104° 6' 33..	0.68	44.92	-31.33
32° 17' 9.7	104° 6' 33..	1.83	14.58	-33.61
32° 17' 9.6	104° 6' 33..	1.37	0.88	-37.17
32° 17' 9.5	104° 6' 33..	1.32	305.38	-40.65
32° 17' 9.4	104° 6' 33..	1.78	339.00	-43.54
32° 17' 9.3	104° 6' 33..	1.12	340.70	-46.18
32° 17' 9.1	104° 6' 33..	1.57	320.71	-48.11
32° 17' 9.0	104° 6' 33..	1.11	197.82	-49.10
32° 17' 8.8	104° 6' 33..	0.54	346.58	-49.68
32° 17' 8.6	104° 6' 33..	1.50	33.69	-50.84
32° 17' 8.5	104° 6' 33..	0.96	152.28	-52.97
32° 17' 8.3	104° 6' 33..	1.01	20.08	-55.74
32° 17' 8.1	104° 6' 33..	3.01	169.83	-58.91
32° 17' 8.0	104° 6' 33..	1.81	183.10	-61.68
32° 17' 7.9	104° 6' 33..	0.49	209.30	-63.81
32° 17' 7.8	104° 6' 33..	1.71	327.17	-65.17
32° 17' 7.7	104° 6' 33..	1.27	5.83	-66.21
32° 17' 7.5	104° 6' 33..	2.00	41.68	-68.56
32° 17' 7.4	104° 6' 33..	0.74	358.44	-72.15
32° 17' 7.2	104° 6' 33..	1.16	132.28	-76.33
32° 17' 7.0	104° 6' 33..	2.29	154.11	-81.40
32° 17' 6.9	104° 6' 33..	1.28	231.37	-85.80
32° 17' 6.8	104° 6' 33..	0.22	198.05	-89.10
32° 17' 6.7	104° 6' 33..	0.84	140.81	-92.62
32° 17' 6.6	104° 6' 34..	0.86	209.26	-95.89
32° 17' 6.5	104° 6' 34..	0.67	215.66	-98.23
32° 17' 6.4	104° 6' 34..	1.42	193.79	-99.70
32° 17' 6.3	104° 6' 34..	0.99	251.68	-99.92
32° 17' 6.3	104° 6' 34..	0.89	165.18	-99.60
32° 17' 6.2	104° 6' 34..	1.91	156.37	-100.12
32° 17' 6.2	104° 6' 34..	1.15	133.22	-101.05
32° 17' 6.2	104° 6' 34..	0.68	116.09	-101.80
32° 17' 6.2	104° 6' 34..	7.71	224.43	-101.23
32° 17' 6.2	104° 6' 33..	20.47	340.99	-95.30
32° 17' 6.2	104° 6' 33..	20.01	328.61	-82.00
32° 17' 6.2	104° 6' 33..	10.24	314.79	-63.59
32° 17' 6.2	104° 6' 33..	8.54	335.57	-43.11
32° 17' 6.3	104° 6' 33.	6.07	11.49	-20.41
32° 17' 6.4	104° 6' 32..	5.97	3.42	4.27
32° 17' 6.4	104° 6' 32..	7.38	16.92	31.68
32° 17' 6.5	104° 6' 32.	10.00	21.61	61.20
32° 17' 6.5	104° 6' 31.	9.38	3.75	93.50
32° 17' 6.5	104° 6' 31..	8.27	12.51	128.17
32° 17' 6.6	104° 6' 30..	6.40	32.85	165.42
32° 17' 6.6	104° 6' 30..	7.83	38.81	203.37

10475.00	59.40	90.80	48.00	10313.12	-7220.42	-368.97	245.47	########	########
10522.00	63.90	90.90	47.00	10335.43	-7242.73	-369.58	286.82	########	########
10569.00	70.60	91.60	47.00	10353.60	-7260.90	-370.54	330.13	########	########
10616.00	81.60	93.80	47.00	10364.87	-7272.17	-372.70	375.62	########	########
10664.00	90.60	94.10	48.00	10368.13	-7275.43	-376.00	423.35	########	########
10711.00	93.50	92.80	47.00	10366.45	-7273.75	-378.83	470.23	########	########
10759.00	94.50	91.20	48.00	10363.10	-7270.40	-380.50	518.08	########	########
10853.00	93.40	90.00	94.00	10356.63	-7263.93	-381.48	611.85	########	########
10948.00	92.50	91.80	95.00	10351.74	-7259.04	-382.97	706.71	########	########
11043.00	91.50	91.80	95.00	10348.42	-7255.72	-385.95	801.60	########	########
11137.00	90.00	92.10	94.00	10347.19	-7254.49	-389.15	895.54	########	########
11232.00	87.90	91.30	95.00	10348.93	-7256.23	-391.97	990.47	########	########
11327.00	87.50	89.00	95.00	10352.75	-7260.05	-392.22	1085.39	########	########
11421.00	88.90	89.10	94.00	10355.70	-7263.00	-390.66	1179.33	########	########
11515.00	88.00	88.20	94.00	10358.24	-7265.54	-388.44	1273.26	########	########
11610.00	90.10	90.30	95.00	10359.82	-7267.12	-387.20	1368.23	########	########
11705.00	88.40	88.70	95.00	10361.06	-7268.36	-386.37	1463.21	########	########
11800.00	86.50	87.40	95.00	10365.29	-7272.59	-383.15	1558.06	########	########
11894.00	86.90	87.10	94.00	10370.70	-7278.00	-378.64	1651.79	########	########
11989.00	91.60	92.10	95.00	10371.94	-7279.24	-377.98	1746.73	########	########
12083.00	91.70	93.00	94.00	10369.24	-7276.54	-382.16	1840.59	########	########
12178.00	88.10	90.10	95.00	10369.40	-7276.70	-384.73	1935.53	########	########
12273.00	87.10	90.00	95.00	10373.38	-7280.68	-384.81	2030.45	########	########
12367.00	88.00	88.20	94.00	10377.40	-7284.70	-383.34	2124.35	########	########
12462.00	87.00	87.70	95.00	10381.54	-7288.84	-379.94	2219.19	########	########
12557.00	89.10	89.60	95.00	10384.78	-7292.08	-377.71	2314.10	########	########
12651.00	91.70	89.90	94.00	10384.12	-7291.42	-377.30	2408.09	########	########
12746.00	90.60	89.40	95.00	10382.21	-7289.51	-376.72	2503.07	########	########
12841.00	87.90	90.00	95.00	10383.46	-7290.76	-376.22	2598.05	########	########
12935.00	88.90	89.70	94.00	10386.08	-7293.38	-375.97	2692.01	########	########
13030.00	85.80	88.10	95.00	10390.47	-7297.77	-374.15	2786.88	########	########
13124.00	87.30	89.20	94.00	10396.13	-7303.43	-371.94	2880.68	########	########
13219.00	85.40	88.30	95.00	10402.18	-7309.48	-369.88	2975.46	########	########
13314.00	87.00	88.30	95.00	10408.47	-7315.77	-367.07	3070.20	########	########
13408.00	88.90	89.20	94.00	10411.84	-7319.14	-365.02	3164.12	########	########
13503.00	88.50	89.40	95.00	10413.99	-7321.29	-363.86	3259.08	########	########
13598.00	86.30	88.90	95.00	10418.30	-7325.60	-362.45	3353.97	########	########
13693.00	87.60	89.30	95.00	10423.35	-7330.65	-360.96	3448.82	########	########
13787.00	88.60	89.60	94.00	10426.47	-7333.77	-360.06	3542.76	########	########
13882.00	90.70	90.50	95.00	10427.05	-7334.35	-360.14	3637.76	########	########
13977.00	89.20	92.80	95.00	10427.13	-7334.43	-362.88	3732.71	########	########
14071.00	85.60	90.00	94.00	10431.40	-7338.70	-365.17	3826.56	########	########
14166.00	88.90	89.70	95.00	10435.96	-7343.26	-364.92	3921.43	########	########
14260.00	87.70	86.90	94.00	10438.74	-7346.04	-362.14	4015.34	########	########
14355.00	89.60	87.40	95.00	10440.98	-7348.28	-357.42	4110.19	########	########
14449.00	88.00	86.50	94.00	10442.95	-7350.25	-352.42	4204.03	########	########
14544.00	87.80	85.60	95.00	10446.43	-7353.73	-345.88	4298.74	########	########

32° 17' 6.6	104° 6' 30.	9.34	27.47	243.79
32° 17' 6.6	104° 6' 29.	9.58	1.14	285.14
32° 17' 6.6	104° 6' 29.	14.32	5.64	328.44
32° 17' 6.6	104° 6' 28.	23.84	11.27	373.93
32° 17' 6.5	104° 6' 27.	18.76	1.92	421.64
32° 17' 6.5	104° 6' 27.	6.76	335.89	468.51
32° 17' 6.5	104° 6' 26.	3.92	302.12	516.35
32° 17' 6.5	104° 6' 25.	1.73	227.46	610.11
32° 17' 6.4	104° 6' 24.	2.12	116.55	704.96
32° 17' 6.4	104° 6' 23.	1.05	180.00	799.84
32° 17' 6.4	104° 6' 22.	1.63	168.69	893.76
32° 17' 6.4	104° 6' 21.	2.37	200.85	988.68
32° 17' 6.3	104° 6' 20.	2.46	260.08	1083.60
32° 17' 6.4	104° 6' 19.	1.49	4.09	1177.54
32° 17' 6.4	104° 6' 18.	1.35	224.98	1271.49
32° 17' 6.4	104° 6' 16.	3.13	45.02	1366.46
32° 17' 6.4	104° 6' 15.	2.46	223.25	1461.45
32° 17' 6.4	104° 6' 14.	2.42	214.33	1556.30
32° 17' 6.5	104° 6' 13.	0.53	323.17	1650.06
32° 17' 6.5	104° 6' 12.	7.22	46.83	1744.99
32° 17' 6.4	104° 6' 11.	0.96	83.64	1838.84
32° 17' 6.4	104° 6' 10.	4.87	218.86	1933.77
32° 17' 6.4	104° 6' 9.2	1.06	185.70	2028.68
32° 17' 6.4	104° 6' 8.1	2.14	296.55	2122.59
32° 17' 6.4	104° 6' 7.0	1.18	206.53	2217.45
32° 17' 6.5	104° 6' 5.9	2.98	42.16	2312.36
32° 17' 6.5	104° 6' 4.8	2.78	6.58	2406.35
32° 17' 6.5	104° 6' 3.7	1.27	204.45	2501.33
32° 17' 6.5	104° 6' 2.6	2.91	167.47	2596.32
32° 17' 6.5	104° 6' 1.5	1.11	343.30	2690.28
32° 17' 6.5	104° 6' 0.4	3.67	207.24	2785.15
32° 17' 6.5	104° 5' 59.	1.98	36.24	2878.96
32° 17' 6.5	104° 5' 58.	2.21	205.27	2973.75
32° 17' 6.6	104° 5' 57.	1.68	0.00	3068.51
32° 17' 6.6	104° 5' 56.	2.24	25.35	3162.43
32° 17' 6.6	104° 5' 54.	0.47	153.44	3257.40
32° 17' 6.6	104° 5' 53.	2.37	192.78	3352.29
32° 17' 6.6	104° 5' 52.	1.43	17.09	3447.15
32° 17' 6.6	104° 5' 51.	1.11	16.70	3541.09
32° 17' 6.6	104° 5' 50.	2.41	23.20	3636.08
32° 17' 6.6	104° 5' 49.	2.89	123.11	3731.02
32° 17' 6.6	104° 5' 48.	4.85	217.79	3824.86
32° 17' 6.6	104° 5' 47.	3.49	354.80	3919.74
32° 17' 6.6	104° 5' 46.	3.24	246.76	4013.66
32° 17' 6.6	104° 5' 45.	2.07	14.75	4108.53
32° 17' 6.7	104° 5' 43.	1.95	209.34	4202.39
32° 17' 6.7	104° 5' 42.	0.97	257.45	4297.13

14638.00	86.80	84.90	94.00	10450.86	-7358.16	-338.10	4392.32	########	########
14733.00	91.40	86.40	95.00	10452.35	-7359.65	-330.90	4487.00	########	########
14828.00	89.60	84.90	95.00	10451.52	-7358.82	-323.69	4581.72	########	########
14922.00	87.90	86.80	94.00	10453.57	-7360.87	-316.89	4675.44	########	########
15017.00	85.70	88.40	95.00	10458.88	-7366.18	-312.92	4770.20	########	########
15112.00	84.30	88.70	95.00	10467.16	-7374.46	-310.53	4864.81	########	########
15206.00	87.10	88.50	94.00	10474.20	-7381.50	-308.24	4958.51	########	########
15236.00	89.60	86.80	30.00	10475.07	-7382.37	-307.01	4988.46	########	########
15279.00	89.10	85.50	43.00	10475.56	-7382.86	-304.12	5031.36	########	########
15353.00	89.10	85.50	74.00	10476.72	-7384.02	-298.31	5105.13	########	########

32° 17' 6.8	104° 5' 41.	1.30	214.95	4390.74	
32° 17' 6.9	104° 5' 40.	5.09	18.08	4485.45	
32° 17' 6.9	104° 5' 39.	2.47	219.81	4580.20	
32° 17' 7.0	104° 5' 38.	2.71	131.84	4673.96	
32° 17' 7.1	104° 5' 37.	2.86	144.06	4768.73	
32° 17' 7.1	104° 5' 36.	1.51	167.96	4863.35	
32° 17' 7.1	104° 5' 35.	2.99	355.92	4957.06	
32° 17' 7.1	104° 5' 34.	10.08	325.77	4987.02	
32° 17' 7.1	104° 5' 34.	3.24	248.95	5029.93	
32° 17' 7.2	104° 5' 33.	0.00	0.00	5103.72	Projection to TD-15353.00' MD