

**NM OIL CONSERVATION
ARTESIA DISTRICT**

FEB 19 2019

RECEIVED

COMPANY: WPX Energy
PROJECT: Eddy County, New Mexico (NAD 83)
SITE: Bindel 4 Fee
WELL: Bindel 4 Fee 1H
MAP SYSTE US State Plane 1983
MAP ZONE New Mexico Eastern Zone
NORTH REI Grid
KB-MSL: 3151
GLE: 3126

30-015-45042

WELLBORE Wellbore #1
DESIGN: Surveys
VS AZI: 268.89

SURVEY TOOL PROGRAM:
H 156.00 - 8911.00 MS MWD : MWD
H 8953.00 - 14731.00 MS MWD : MWD

MD	INC	AZI	Course Length	TVD	Subsea Depth	Local N/S	Local E/W	Map Northing	Map Easting	Lat	Long	Dogleg Severity	T.Face	Vert Sec	Annotation
	0	0	0	0	3151	0	0	486168.4	585969.5	32° 20' 11.104° 11' 19"		0	0	0	
156	0.8	297.7	156	155.9949	2995.005	0.5062	-0.9643	486168.9	585968.5	32° 20' 11.104° 11' 19"		0.5128	297.7	0.95	
246	0.6	298.4	90	245.9882	2905.012	1.0224	-1.9351	486169.4	585967.6	32° 20' 11.104° 11' 19"		0.2224	177.9015	1.91	
325	0.6	297.8	79	324.9838	2826.016	1.4121	-2.6648	486169.8	585966.8	32° 20' 11.104° 11' 19"		0.008	269.7	2.64	
429	0.6	279.6	104	428.9782	2722.022	1.7569	-3.6834	486170.2	585965.8	32° 20' 11.104° 11' 19"		0.1825	260.9005	3.65	
522	0.5	271.5	93	521.9739	2629.026	1.8487	-4.5692	486170.2	585964.9	32° 20' 11.104° 11' 19"		0.136	213.8627	4.53	
613	0.3	261.4	91	612.9717	2538.028	1.8235	-5.2016	486170.2	585964.3	32° 20' 11.104° 11' 19"		0.2322	194.4171	5.17	
703	0.2	236	90	702.9709	2448.029	1.7004	-5.5648	486170.1	585963.9	32° 20' 11.104° 11' 19"		0.1633	215.7119	5.53	
792	0.3	213.6	89	791.97	2359.03	1.4194	-5.8226	486169.8	585963.7	32° 20' 11.104° 11' 19"		0.1551	304.0873	5.79	
882	0.3	209.7	90	881.9688	2269.031	1.0185	-6.0697	486169.4	585963.4	32° 20' 11.104° 11' 19"		0.0227	268.05	6.05	
972	0.3	199.3	90	971.9676	2179.032	0.5915	-6.2643	486169	585963.2	32° 20' 11.104° 11' 19"		0.0604	264.8001	6.25	
1061	0.5	223	89	1060.965	2090.035	0.0876	-6.6062	486168.5	585962.9	32° 20' 11.104° 11' 19"		0.2871	51.8558	6.6	
1151	0.6	171.2	90	1150.962	2000.038	-0.6653	-6.8019	486167.7	585962.7	32° 20' 11.104° 11' 19"		0.5431	254.7053	6.81	
1241	1.2	162.9	90	1240.95	1910.05	-2.0318	-6.4527	486166.4	585963	32° 20' 11.104° 11' 19"		0.6805	343.5706	6.49	
1330	1.9	144.8	89	1329.918	1821.082	-4.1282	-5.3282	486164.3	585964.2	32° 20' 11.104° 11' 19"		0.9505	315.7579	5.41	
1420	1	100.1	90	1419.89	1731.11	-5.4851	-3.6949	486162.9	585965.8	32° 20' 11.104° 11' 19"		1.5351	210.6069	3.8	
1511	1.3	86.6	91	1510.872	1640.128	-5.5631	-1.8826	486162.8	585967.6	32° 20' 11.104° 11' 19"		0.4421	311.0323	1.99	
1602	1.9	102.8	91	1601.837	1549.163	-5.8361	0.6189	486162.6	585970.1	32° 20' 11.104° 11' 19"		0.8195	45.2937	-0.51	
1693	0.4	148.3	91	1692.817	1458.183	-6.4407	2.257	486162	585971.8	32° 20' 11.104° 11' 19"		1.8072	170.0084	-2.13	
1787	0.3	237.3	94	1786.816	1364.184	-6.8528	2.2224	486161.5	585971.7	32° 20' 11.104° 11' 19"		0.5274	142.7708	-2.09	
1882	0.4	265.9	95	1881.814	1269.186	-7.0109	1.6823	486161.4	585971.2	32° 20' 11.104° 11' 19"		0.2086	75.0311	-1.55	
1977	0.4	255.1	95	1976.812	1174.188	-7.1198	1.0311	486161.3	585970.5	32° 20' 11.104° 11' 19"		0.0792	264.6001	-0.89	
2072	0.3	246.2	95	2071.81	1079.19	-7.3055	0.4831	486161.1	585970	32° 20' 11.104° 11' 19"		0.1195	204.13	-0.34	
2167	2.1	141.7	95	2166.789	984.2111	-8.772	1.3344	486159.6	585970.8	32° 20' 11.104° 11' 19"		2.3099	247.8977	-1.16	
2261	4.4	121.8	94	2260.634	890.3659	-12.0242	5.467	486156.4	585975	32° 20' 11.104° 11' 19"		2.6897	323.7035	-5.23	

2355	5.8	102.9	94	2354.266	796.7339	-14.985	13.1623	486153.4	585982.7	32° 20' 11.1" 104° 11' 19"	2.3075	300.1323	-12.87
2450	5.7	98.8	95	2448.789	702.2115	-16.7784	22.5035	486151.6	585992	32° 20' 11.1" 104° 11' 19"	0.4449	254.2837	-22.17
2545	6	109.1	95	2543.296	607.7037	-19.1249	31.8577	486149.3	586001.4	32° 20' 11.1" 104° 11' 19"	1.1475	79.2162	-31.48
2641	7	114.2	96	2638.679	512.3212	-23.1647	41.9348	486145.2	586011.4	32° 20' 11.1" 104° 11' 19"	1.2018	32.5498	-41.48
2736	8.5	117.5	95	2732.809	418.1912	-28.7799	53.4433	486139.6	586022.9	32° 20' 10.1" 104° 11' 19"	1.6463	18.164	-52.88
2831	10.6	120.5	95	2826.488	324.5124	-36.4575	67.2012	486131.9	586036.7	32° 20' 10.1" 104° 11' 18"	2.271	14.8169	-66.48
2926	10.9	120	95	2919.82	231.1797	-45.3832	82.5086	486123	586052	32° 20' 10.1" 104° 11' 18"	0.3307	342.4852	-81.61
3020	10	118.5	94	3012.26	138.7396	-53.7215	97.3781	486114.7	586066.9	32° 20' 10.1" 104° 11' 18"	1.0002	196.0833	-96.32
3116	9.6	118.2	96	3106.859	44.1405	-61.4814	111.758	486106.9	586081.3	32° 20' 10.1" 104° 11' 18"	0.42	187.1271	-110.55
3211	9.1	117.5	95	3200.597	-49.5969	-68.6936	125.403	486099.7	586094.9	32° 20' 10.1" 104° 11' 18"	0.5397	192.4688	-124.05
3307	8.7	115.7	96	3295.441	-144.441	-75.3477	138.6792	486093.1	586108.2	32° 20' 10.1" 104° 11' 18"	0.5077	213.9586	-137.19
3402	9.1	115.2	95	3389.297	-238.297	-81.6622	151.9509	486086.7	586121.5	32° 20' 10.1" 104° 11' 17"	0.4288	348.8077	-150.34
3497	10.7	115.6	95	3482.88	-331.88	-88.6719	166.7028	486079.7	586136.2	32° 20' 10.1" 104° 11' 17"	1.6858	2.6583	-164.95
3593	11.5	115.4	96	3577.083	-426.083	-96.6276	183.3848	486071.8	586152.9	32° 20' 10.1" 104° 11' 17"	0.8343	357.1463	-181.48
3688	11	115	95	3670.257	-519.257	-104.52	200.1537	486063.9	586169.7	32° 20' 10.1" 104° 11' 17"	0.5327	188.6746	-198.09
3782	10.5	114.2	94	3762.607	-611.607	-111.821	216.094	486056.6	586185.6	32° 20' 10.1" 104° 11' 17"	0.5551	196.2244	-213.89
3878	10	114.5	96	3857.075	-706.075	-118.863	231.6573	486049.5	586201.2	32° 20' 10.1" 104° 11' 17"	0.5238	174.0534	-229.31
3973	9.4	113.9	95	3950.716	-799.716	-125.427	246.2558	486043	586215.8	32° 20' 10.1" 104° 11' 16"	0.6405	189.2683	-243.78
4067	10	116.3	94	4043.372	-892.372	-132.153	260.5908	486036.2	586230.1	32° 20' 9.9" 104° 11' 16"	0.7696	35.1652	-257.98
4163	11.2	118.8	96	4137.733	-986.733	-140.338	276.2338	486028.1	586245.7	32° 20' 9.8" 104° 11' 16"	1.3384	22.2006	-273.46
4259	11.1	119	96	4231.921	-1080.92	-149.31	292.4862	486019.1	586262	32° 20' 9.7" 104° 11' 16"	0.1117	158.9538	-289.54
4354	10.2	119.9	95	4325.284	-1174.28	-157.937	307.7767	486010.5	586277.3	32° 20' 9.7" 104° 11' 16"	0.9634	169.9713	-304.66
4449	9.5	119.2	95	4418.883	-1267.88	-165.954	321.9123	486002.4	586291.4	32° 20' 9.6" 104° 11' 16"	0.7475	189.3629	-318.64
4543	8.8	118.5	94	4511.686	-1360.69	-173.17	335.0029	485995.2	586304.5	32° 20' 9.5" 104° 11' 15"	0.754	188.6901	-331.59
4639	9.4	117.7	96	4606.477	-1455.48	-180.318	348.3976	485988.1	586317.9	32° 20' 9.4" 104° 11' 15"	0.6387	347.6969	-344.84
4734	9.3	117.8	95	4700.215	-1549.22	-187.504	362.0567	485980.9	586331.6	32° 20' 9.4" 104° 11' 15"	0.1066	170.8214	-358.36
4828	8.8	118.3	94	4793.045	-1642.04	-194.456	375.1065	485973.9	586344.6	32° 20' 9.3" 104° 11' 15"	0.5385	171.3076	-371.27
4922	9.7	119.2	94	4885.821	-1734.82	-201.728	388.3503	485966.7	586357.9	32° 20' 9.2" 104° 11' 15"	0.9697	9.5762	-384.37
5017	11.1	119.1	95	4979.258	-1828.26	-210.08	403.3278	485958.3	586372.8	32° 20' 9.1" 104° 11' 15"	1.4738	359.2121	-399.18
5112	11.3	117.8	95	5072.449	-1921.45	-218.869	419.5514	485949.5	586389.1	32° 20' 9.1" 104° 11' 14"	0.3391	307.7427	-415.23
5207	10.8	117.9	95	5165.688	-2014.69	-227.374	435.6508	485941	586405.2	32° 20' 9.0" 104° 11' 14"	0.5267	177.8538	-431.16
5303	10.4	118.3	96	5260.049	-2109.05	-235.691	451.229	485932.7	586420.7	32° 20' 8.9" 104° 11' 14"	0.4237	169.7734	-446.58
5399	10.1	117.8	96	5354.517	-2203.52	-243.725	466.3043	485924.7	586435.8	32° 20' 8.8" 104° 11' 14"	0.326	196.273	-461.5
5494	9.8	118.9	95	5448.088	-2297.09	-251.517	480.751	485916.9	586450.3	32° 20' 8.7" 104° 11' 14"	0.3738	148.1843	-475.79
5588	9.5	118.5	94	5540.758	-2389.76	-259.085	494.5718	485909.3	586464.1	32° 20' 8.7" 104° 11' 14"	0.327	192.4017	-489.46
5637	9.3	119.5	49	5589.1	-2438.1	-262.964	501.5714	485905.4	586471.1	32° 20' 8.6" 104° 11' 13"	0.527	141.2565	-496.38
5776	7.6	121	139	5726.586	-2575.59	-273.23	519.227	485895.2	586488.7	32° 20' 8.5" 104° 11' 13"	1.2332	173.3536	-513.84
5871	7.3	116	95	5820.785	-2669.79	-279.111	530.0368	485889.3	586499.5	32° 20' 8.5" 104° 11' 13"	0.7516	242.7028	-524.53
5966	7.5	115.3	95	5914.994	-2763.99	-284.406	541.0668	485884	586510.6	32° 20' 8.4" 104° 11' 13"	0.2309	335.3875	-535.46
6061	8.5	119.9	95	6009.069	-2858.07	-290.556	552.759	485877.8	586522.3	32° 20' 8.3" 104° 11' 13"	1.2491	34.9193	-547.03
6156	12.3	114.2	95	6102.494	-2951.49	-298.207	568.0811	485870.2	586537.6	32° 20' 8.3" 104° 11' 13"	4.1393	342.0295	-562.2
6251	11.5	114.4	95	6195.451	-3044.45	-306.267	585.9353	485862.1	586555.4	32° 20' 8.2" 104° 11' 12"	0.8432	177.1468	-579.89
6346	10	115.5	95	6288.782	-3137.78	-313.731	602.0051	485854.7	586571.5	32° 20' 8.1" 104° 11' 12"	1.5936	172.7511	-595.81
6440	11.4	114.9	94	6381.145	-3230.14	-321.156	617.7987	485847.2	586587.3	32° 20' 8.0" 104° 11' 12"	1.494	355.1555	-611.46
6536	10.5	114	96	6475.396	-3324.4	-328.709	634.3957	485839.7	586603.9	32° 20' 8.0" 104° 11' 12"	0.9542	190.3138	-627.91
6631	9.5	113.1	95	6568.952	-3417.95	-335.305	649.5151	485833.1	586619	32° 20' 7.9" 104° 11' 12"	1.0654	188.4396	-642.9

6725	9.6	111.8	94	6661.649	-3510.65	-341.26	663.928	485827.1	586633.4	32° 20' 7.8" 104° 11' 12	0.2529	294.2328	-657.19
6821	8.2	104.7	96	6756.494	-3605.49	-345.97	677.9837	485822.4	586647.5	32° 20' 7.8" 104° 11' 11	1.851	214.6465	-671.15
6915	8.2	106.2	94	6849.533	-3698.53	-349.541	690.9052	485818.9	586660.4	32° 20' 7.8" 104° 11' 11	0.2276	90.7423	-684
7011	10.4	120.5	96	6944.278	-3793.28	-355.851	704.9491	485812.5	586674.4	32° 20' 7.7" 104° 11' 11	3.3072	53.6178	-697.92
7105	9.7	123.3	94	7036.835	-3885.84	-364.505	718.8785	485803.9	586688.4	32° 20' 7.6" 104° 11' 11	0.908	146.4568	-711.68
7200	8.7	117	95	7130.615	-3979.61	-372.161	731.9702	485796.2	586701.5	32° 20' 7.5" 104° 11' 11	1.4926	222.1266	-724.62
7295	11.9	114	95	7224.072	-4073.07	-379.409	747.3239	485789	586716.8	32° 20' 7.5" 104° 11' 11	3.4143	349.0044	-739.83
7390	12.7	115.5	95	7316.891	-4165.89	-387.889	765.6976	485780.5	586735.2	32° 20' 7.4" 104° 11' 10	0.9067	22.5074	-758.04
7485	10.1	114.2	95	7410.009	-4259.01	-395.8	782.7239	485772.6	586752.2	32° 20' 7.3" 104° 11' 10	2.75	185.0075	-774.91
7581	8.7	118.3	96	7504.719	-4353.72	-402.693	796.7953	485765.7	586766.3	32° 20' 7.2" 104° 11' 10	1.6157	156.4502	-788.84
7676	7.9	119.8	95	7598.723	-4447.72	-409.344	808.787	485759.1	586778.3	32° 20' 7.2" 104° 11' 10	0.8723	165.596	-800.71
7771	10.1	122.1	95	7692.548	-4541.55	-417.016	821.5103	485751.4	586791	32° 20' 7.1" 104° 11' 10	2.3461	10.4261	-813.28
7865	9.8	126.3	94	7785.135	-4634.14	-426.132	834.94	485742.3	586804.4	32° 20' 7.0" 104° 11' 10	0.8352	114.5189	-826.53
7962	9.8	124.4	97	7880.72	-4729.72	-435.683	848.4046	485732.7	586817.9	32° 20' 6.9" 104° 11' 9	0.3334	269.0639	-839.81
8057	9.5	116.8	95	7974.379	-4823.38	-443.786	862.0738	485724.6	586831.6	32° 20' 6.8" 104° 11' 9	1.3766	253.0216	-853.32
8152	9.7	115.7	95	8068.049	-4917.05	-450.792	876.2831	485717.6	586845.8	32° 20' 6.8" 104° 11' 9	0.2857	316.9289	-867.39
8247	8.5	136.2	95	8161.876	-5010.88	-459.332	888.3577	485709.1	586857.9	32° 20' 6.7" 104° 11' 9	3.6157	120.2345	-879.29
8342	7.9	130.2	95	8255.906	-5104.91	-468.614	898.204	485699.8	586867.7	32° 20' 6.6" 104° 11' 9	1.0993	232.0203	-888.96
8437	7	109.4	95	8350.121	-5199.12	-474.752	908.6528	485693.6	586878.2	32° 20' 6.5" 104° 11' 9	2.9734	241.4209	-899.29
8532	4.9	93.8	95	8444.61	-5293.61	-476.944	918.163	485691.5	586887.7	32° 20' 6.5" 104° 11' 9	2.7707	210.0118	-908.75
8627	3.4	76.3	95	8539.362	-5388.36	-476.546	924.9489	485691.9	586894.4	32° 20' 6.5" 104° 11' 8	2.0491	211.6677	-915.54
8722	2	64.4	95	8634.254	-5483.25	-475.162	929.181	485693.2	586898.7	32° 20' 6.5" 104° 11' 8	1.5797	195.9494	-919.8
8816	1.1	30.6	94	8728.221	-5577.22	-473.677	931.1197	485694.7	586900.6	32° 20' 6.5" 104° 11' 8	1.326	209.4038	-921.77
8911	1	45.7	95	8823.205	-5672.21	-472.313	932.1772	485696.1	586901.7	32° 20' 6.5" 104° 11' 8	0.3086	117.3121	-922.85 Tie-In to MS MWD Surveys - 8911.00' MD
8953	9	270.3	42	8865.044	-5714.04	-472.039	929.1471	485696.4	586898.6	32° 20' 6.5" 104° 11' 8	23.1837	220.5003	-919.83
8985	10.5	274.4	32	8896.581	-5745.58	-471.802	923.7366	485696.6	586893.2	32° 20' 6.5" 104° 11' 9	5.1625	26.8694	-914.42
9017	10	274	32	8928.071	-5777.07	-471.385	918.0578	485697	586887.6	32° 20' 6.5" 104° 11' 9	1.5782	187.9051	-908.75
9112	9.2	270.5	95	9021.74	-5870.74	-470.743	902.2352	485697.7	586871.7	32° 20' 6.6" 104° 11' 9	1.0421	214.3981	-892.95
9208	8.5	267.6	96	9116.597	-5965.6	-470.973	887.4723	485697.4	586857	32° 20' 6.6" 104° 11' 9	0.8645	211.0852	-878.18
9260	14.6	269.6	52	9167.52	-6016.52	-471.18	877.0691	485697.2	586846.6	32° 20' 6.6" 104° 11' 9	11.7543	4.7392	-867.78
9302	20.1	272.4	42	9207.595	-6056.59	-470.915	864.5554	485697.5	586834.1	32° 20' 6.6" 104° 11' 9	13.2416	9.9753	-855.27
9397	26.8	275.7	95	9294.702	-6143.7	-468.101	826.8905	485700.3	586796.4	32° 20' 6.6" 104° 11' 10	7.1842	12.6152	-817.67
9492	31.8	272.6	95	9377.528	-6226.53	-464.836	780.543	485703.6	586750	32° 20' 6.6" 104° 11' 10	5.4985	341.7593	-771.39
9586	39.6	262.9	94	9453.866	-6302.87	-467.421	725.9441	485701	586695.4	32° 20' 6.6" 104° 11' 11	10.2311	319.995	-716.75
9681	50.5	265.1	95	9520.885	-6369.89	-474.316	659.1749	485694.1	586628.7	32° 20' 6.5" 104° 11' 12	11.5887	8.9231	-649.86
9776	59.4	268.8	95	9575.401	-6424.4	-478.312	581.6064	485690.1	586551.1	32° 20' 6.5" 104° 11' 12	9.8935	19.885	-572.23
9871	70.9	269.7	95	9615.258	-6464.26	-479.407	495.5551	485689	586465.1	32° 20' 6.5" 104° 11' 13	12.1356	4.259	-486.18
9918	77.7	272.3	47	9627.971	-6476.97	-478.6	450.3468	485689.8	586419.8	32° 20' 6.5" 104° 11' 14	15.4157	20.5746	-440.99
9942.59	78.6941	272.2475	24.59	9633	-6482	-477.645	426.2959	485690.8	586395.8	32° 20' 6.5" 104° 11' 14	4.0479	357.0361	-416.96 Wolfcamp POP - 9942.59' MD
9965	79.6	272.2	22.41	9637.22	-6486.22	-476.791	404.3036	485691.6	586373.8	32° 20' 6.5" 104° 11' 15	4.0479	357.0468	-394.99
10008.01	81.5251	271.2534	43.01	9644.272	-6493.27	-475.514	361.8974	485692.9	586331.4	32° 20' 6.5" 104° 11' 15	4.9747	334.0461	-352.62 FTP - 10008.01' MD
10061	83.9	270.1	52.99	9650.993	-6499.99	-474.895	309.3438	485693.5	586278.8	32° 20' 6.5" 104° 11' 16	4.9747	334.2013	-300.09
10079	86.9	270.2	18	9652.437	-6501.44	-474.848	291.4039	485693.6	586260.9	32° 20' 6.5" 104° 11' 16	16.6759	1.9072	-282.15
10160	92.9	269.8	81	9652.578	-6501.58	-474.848	210.4412	485693.6	586179.9	32° 20' 6.5" 104° 11' 17	7.4238	356.1838	-201.2
10255	91.3	269.5	95	9649.097	-6498.1	-475.428	115.51	485693	586085	32° 20' 6.5" 104° 11' 18	1.7135	190.6185	-106.28
10350	91.5	267.3	95	9646.776	-6495.78	-478.079	20.5812	485690.3	585990.1	32° 20' 6.5" 104° 11' 19	2.3246	275.2222	-11.32

10445	92.9	267.3	95	9643.129	-6492.13	-482.551	-74.241	485685.8	585895.3	32° 20' 6.5" 104° 11' 20	1.4737	0	83.58
10540	87.7	267	95	9642.632	-6491.63	-487.273	-169.09	485681.1	585800.4	32° 20' 6.4" 104° 11' 21	5.4828	183.3037	178.5
10634	88.7	267.9	94	9645.584	-6494.58	-491.453	-262.948	485676.9	585706.6	32° 20' 6.4" 104° 11' 22	1.4309	41.9882	272.42
10729	87.9	266.6	95	9648.403	-6497.4	-496.008	-357.794	485672.4	585611.7	32° 20' 6.3" 104° 11' 23	1.6062	238.3633	367.34
10823	89.5	268.3	94	9650.535	-6499.54	-500.189	-451.67	485668.2	585517.8	32° 20' 6.3" 104° 11' 25	2.4832	46.7507	461.28
10918	87.4	267.3	95	9653.105	-6502.11	-503.834	-546.559	485664.6	585422.9	32° 20' 6.2" 104° 11' 26	2.4482	205.4435	556.22
11012	88	268.7	94	9656.878	-6505.88	-507.111	-640.423	485661.3	585329.1	32° 20' 6.2" 104° 11' 27	1.6193	66.8139	650.13
11107	92	272.5	95	9656.878	-6505.88	-506.117	-735.381	485662.3	585234.1	32° 20' 6.2" 104° 11' 28	5.8071	43.5475	745.05
11202	91.9	272.4	95	9653.645	-6502.65	-502.058	-830.24	485666.3	585139.3	32° 20' 6.3" 104° 11' 29	0.1488	224.9851	839.81
11296	91.4	272.2	94	9650.938	-6499.94	-498.287	-924.125	485670.1	585045.4	32° 20' 6.3" 104° 11' 30	0.5729	201.7962	933.6
11390	93.4	272.6	94	9647.002	-6496	-494.355	-1017.95	485674	584951.5	32° 20' 6.3" 104° 11' 31	2.1697	11.2925	1027.34
11485	94.4	269.3	95	9640.539	-6489.54	-492.782	-1112.71	485675.6	584856.8	32° 20' 6.4" 104° 11' 32	3.6219	287.003	1122.04
11517	95.7	269.8	32	9637.722	-6486.72	-493.032	-1144.58	485675.4	584824.9	32° 20' 6.4" 104° 11' 33	4.3504	20.9415	1153.92
11548	96.2	269.9	31	9634.509	-6483.51	-493.113	-1175.41	485675.3	584794.1	32° 20' 6.4" 104° 11' 33	1.6445	11.2454	1184.75
11580	95.1	269.8	32	9631.358	-6480.36	-493.197	-1207.26	485675.2	584762.2	32° 20' 6.4" 104° 11' 33	3.4515	185.1743	1216.59
11611	93.2	270.2	31	9629.115	-6478.12	-493.196	-1238.18	485675.2	584731.3	32° 20' 6.4" 104° 11' 34	6.2627	168.1266	1247.5
11674	90.3	268.7	63	9627.191	-6476.19	-493.801	-1301.13	485674.6	584668.4	32° 20' 6.4" 104° 11' 34	5.1819	207.3657	1310.46
11769	88.3	267.6	95	9628.352	-6477.35	-496.868	-1396.07	485671.5	584573.4	32° 20' 6.3" 104° 11' 36	2.4026	208.8042	1405.43
11864	88.6	267.2	95	9630.922	-6479.92	-501.176	-1490.94	485667.2	584478.6	32° 20' 6.3" 104° 11' 37	0.5262	306.8744	1500.37
11958	92.1	266.7	94	9630.348	-6479.35	-506.176	-1584.79	485662.2	584384.7	32° 20' 6.2" 104° 11' 38	3.7612	351.8703	1594.3
12053	91.3	266.1	95	9627.529	-6476.53	-512.139	-1679.56	485656.3	584289.9	32° 20' 6.2" 104° 11' 39	1.0525	216.8672	1689.16
12147	92.8	266.1	94	9624.167	-6473.17	-518.528	-1773.28	485649.9	584196.2	32° 20' 6.1" 104° 11' 40	1.5957	0	1782.99
12242	87.7	264.5	95	9623.752	-6472.75	-526.309	-1867.92	485642.1	584101.6	32° 20' 6.0" 104° 11' 41	5.6262	197.4278	1877.77
12274	87.5	263.9	32	9625.092	-6474.09	-529.54	-1899.73	485638.9	584069.8	32° 20' 6.0" 104° 11' 41	1.9749	251.5376	1909.63
12305	87.8	263.9	31	9626.364	-6475.36	-532.832	-1930.53	485635.6	584039	32° 20' 6.0" 104° 11' 42	0.9677	0	1940.49
12337	88.4	264.5	32	9627.424	-6476.42	-536.064	-1962.35	485632.3	584007.2	32° 20' 5.9" 104° 11' 42	2.6509	44.9946	1972.36
12431	90.1	265.9	94	9628.655	-6477.65	-543.928	-2056.01	485624.5	583913.5	32° 20' 5.9" 104° 11' 43	2.3427	39.4816	2066.16
12525	90	266.4	94	9628.573	-6477.57	-550.24	-2149.79	485618.2	583819.7	32° 20' 5.8" 104° 11' 44	0.5424	101.3096	2160.05
12619	90.9	267.7	94	9627.835	-6476.83	-555.077	-2243.66	485613.3	583725.8	32° 20' 5.8" 104° 11' 45	1.682	55.3003	2253.99
12714	94.5	271.6	95	9623.359	-6472.36	-555.661	-2338.52	485612.7	583631	32° 20' 5.8" 104° 11' 47	5.583	47.1827	2348.85
12809	93.6	271	95	9616.649	-6465.65	-553.512	-2433.26	485614.9	583536.2	32° 20' 5.8" 104° 11' 48	1.1377	213.6457	2443.52
12903	94.8	270.9	94	9609.765	-6458.76	-551.957	-2526.99	485616.4	583442.5	32° 20' 5.8" 104° 11' 49	1.281	355.2527	2537.21
12997	92.4	271.1	94	9603.863	-6452.86	-550.32	-2620.78	485618.1	583348.7	32° 20' 5.8" 104° 11' 50	2.562	175.2391	2630.95
13092	90.8	270.4	95	9601.21	-6450.21	-549.077	-2715.74	485619.3	583253.8	32° 20' 5.8" 104° 11' 51	1.8382	203.6319	2725.86
13187	90.1	269.5	95	9600.464	-6449.46	-549.16	-2810.73	485619.2	583158.8	32° 20' 5.8" 104° 11' 52	1.2002	232.1284	2820.84
13281	89.7	268.3	94	9600.628	-6449.63	-550.965	-2904.71	485617.4	583064.8	32° 20' 5.8" 104° 11' 53	1.3456	251.5646	2914.84
13376	90.1	268.4	95	9600.794	-6449.79	-553.7	-2999.67	485614.7	582969.8	32° 20' 5.8" 104° 11' 54	0.434	14.0363	3009.83
13470	90.3	268	94	9600.466	-6449.47	-556.653	-3093.62	485611.7	582875.9	32° 20' 5.8" 104° 11' 55	0.4758	296.5658	3103.83
13564	92.2	269.8	94	9598.415	-6447.42	-558.457	-3187.58	485609.9	582781.9	32° 20' 5.7" 104° 11' 56	2.7839	43.4291	3197.8
13659	93.4	268.8	95	9593.774	-6442.77	-559.616	-3282.45	485608.8	582687	32° 20' 5.7" 104° 11' 58	1.6434	320.2513	3292.68
13754	90	271	95	9590.956	-6439.96	-559.78	-3377.39	485608.6	582592.1	32° 20' 5.7" 104° 11' 59	4.2621	147.0666	3387.6
13849	90.7	270.6	95	9590.376	-6439.38	-558.454	-3472.38	485609.9	582497.1	32° 20' 5.7" 104° 12' 0	0.8487	330.2565	3482.55
13943	92.7	270.5	94	9587.587	-6436.59	-557.552	-3566.33	485610.8	582403.2	32° 20' 5.8" 104° 12' 1	2.1303	357.1402	3576.46
14038	90.3	270.9	95	9585.101	-6434.1	-556.391	-3661.28	485612	582308.2	32° 20' 5.8" 104° 12' 2	2.5611	170.5349	3671.37
14133	91.8	271.6	95	9583.36	-6432.36	-554.319	-3756.24	485614.1	582213.3	32° 20' 5.8" 104° 12' 3	1.7424	25.0077	3766.27
14227	86.5	269.5	94	9584.754	-6433.75	-553.416	-3850.19	485615	582119.3	32° 20' 5.8" 104° 12' 4	6.0644	201.6062	3860.19

14322	87.3	270.2	95	9589.892	-6438.89	-553.665	-3945.05	485614.7	582024.5	32° 20' 5.8" 104° 12' 5.1"	1.1182	41.1639	3955.03	
14416	91.4	270.3	94	9590.958	-6439.96	-553.255	-4039.02	485615.1	581930.5	32° 20' 5.8" 104° 12' 6.1"	4.363	1.398	4048.98	
14511	94.5	271.5	95	9586.069	-6435.07	-551.766	-4133.87	485616.6	581835.6	32° 20' 5.8" 104° 12' 7.1"	3.4984	21.1079	4143.78	
14605	90.9	271.2	94	9581.642	-6430.64	-549.554	-4227.72	485618.8	581741.8	32° 20' 5.8" 104° 12' 9.1"	3.843	184.7662	4237.58	
14632.38	89.6726	270.728	27.38	9581.505	-6430.5	-549.094	-4255.1	485619.3	581714.4	32° 20' 5.8" 104° 12' 9.1"	4.8028	201.0357	4264.94	LTP - 14632.38' MD
14663	88.3	270.2	30.62	9582.047	-6431.05	-548.846	-4285.71	485619.6	581683.8	32° 20' 5.8" 104° 12' 9.1"	4.8028	201.0333	4295.54	
14731	88.3	270.2	68	9584.064	-6433.06	-548.609	-4353.68	485619.8	581615.8	32° 20' 5.9" 104° 12' 10"	0	0	4363.49	Projection to TD-14731.00' MD