

Results of Directional Survey

LATERAL 1

30-025-37032-01

PLATINUM EXPLORATION INC
T D POPE 35 # 2

	MD	N/S	E/W	VD
	12803	104.25	-480.55	12420.22
TOP PERFS/OH	12830	113.04	-505.82	12416.71
	12835	114.67	-510.50	12416.06
	14169	579.04	-1750.13	12416
BOT PERFS/OH	14218	591.00	-1797.65	12415.28
	14218	591.00	-1797.65	12415.28

NEXT TO LAST	14169	579.04	-1750.13	12416
LAST READING	14218	591.00	-1797.65	12415.28
TD	14218	591.00	-1797.65	12415.28

Surface Location	2550	FN	330	FE
Projected BHL	1959	FN	2128	FE
Location of				
Top Perfs/OH	2437	FN	836	FE
Bottom Perfs/OH	1959	FN	2128	FE

SUMMARY of Subsurface Locations

Surface Location	H-35-14S-37E	2550	FN	330	FE	Vert. Depth
Top Perfs/OH	H-35-14S-37E	2437	FN	836	FE	12416.71
Bottom Perfs/OH	G-35-14S-37E	1959	FN	2128	FE	12415.28
Projected TD	G-35-14S-37E	1959	FN	2128	FE	12415.28

HEADER INFORMATION											
Company:	Platinum Exploration										
Field:	Denton (Devonian)										
Site Name:	T.D. Pope "35" #2-H		Mag Dec.Corr.		+7.54 EAST		TO G				
Well Name:	T.D. Pope "35" #2-H										
Survey Name:	PathFinder MWD Survey			Survey Date:		5/24/2005					
Survey Type:	100 - 12260 Scientific Gyro Survey : Gyro Survey										
12286- 14218 PathFinder MWD Survey : MWD											
Depth Units:	ft										
SURFACE LOCATION				BOTTOM HOLE LOCATION				WELL INFORMATION			
Site Northing	751719			BHL MD	14218			Well Northing:	751719		
Site Easting	858611			BHL TVD	12415.3			Well Easting:	858611.1		
								Rig K.B:	0		
								Vsec Angle:	288.39		
SURVEY LIST											
MD	INC	AZI	TVD	NS	EW	VSEC	DLS	Northing	Easting	Latitude	Longitude
0	0.53	334.96	0	0	0	0	0	751719	858611.1	33°03'39.748N	103°09'46.288W
100	0.15	280.83	100	0.44	-0.32	0.45	0.46	751719.44	858610.78	33°03'39.753N	103°09'46.292W
200	0.43	189.38	200	0.1	-0.51	0.52	0.46	751719.1	858610.59	33°03'39.749N	103°09'46.294W
300	0.49	161.97	299.99	-0.68	-0.44	0.21	0.23	751718.32	858610.66	33°03'39.741N	103°09'46.293W
400	0.43	118.86	399.99	-1.27	0.02	-0.42	0.34	751717.73	858611.12	33°03'39.736N	103°09'46.288W
500	0.51	148.18	499.99	-1.83	0.58	-1.13	0.25	751717.17	858611.68	33°03'39.730N	103°09'46.282W
600	0.55	137.12	599.98	-2.56	1.14	-1.89	0.11	751716.44	858612.24	33°03'39.723N	103°09'46.275W
700	0.38	187.7	699.98	-3.24	1.42	-2.37	0.43	751715.76	858612.52	33°03'39.716N	103°09'46.272W
800	0.18	180.14	799.98	-3.72	1.38	-2.48	0.2	751715.28	858612.48	33°03'39.711N	103°09'46.272W
900	0.25	191.9	899.98	-4.09	1.33	-2.56	0.08	751714.91	858612.43	33°03'39.707N	103°09'46.273W
1000	0.33	181.11	999.98	-4.59	1.28	-2.67	0.1	751714.41	858612.38	33°03'39.703N	103°09'46.274W
1100	0.07	228.86	1099.98	-4.92	1.23	-2.72	0.29	751714.08	858612.33	33°03'39.699N	103°09'46.274W
1200	0.29	252.97	1199.98	-5.04	0.94	-2.49	0.23	751713.96	858612.04	33°03'39.698N	103°09'46.278W
1300	0.05	240.47	1299.98	-5.13	0.66	-2.25	0.24	751713.87	858611.76	33°03'39.697N	103°09'46.281W
1400	0.23	289.91	1399.98	-5.08	0.44	-2.02	0.2	751713.92	858611.54	33°03'39.698N	103°09'46.284W
1500	0.2	286.34	1499.97	-4.97	0.08	-1.64	0.03	751714.03	858611.18	33°03'39.699N	103°09'46.288W
1600	0.15	298.94	1599.97	-4.85	-0.2	-1.34	0.06	751714.15	858610.9	33°03'39.700N	103°09'46.291W
1700	0.21	293.49	1699.97	-4.72	-0.48	-1.03	0.06	751714.28	858610.62	33°03'39.701N	103°09'46.294W
1800	0.58	253.62	1799.97	-4.79	-1.14	-0.43	0.44	751714.21	858609.96	33°03'39.701N	103°09'46.302W
1900	0.69	232.22	1899.97	-5.3	-2.1	0.32	0.26	751713.7	858609.33	33°03'39.696N	103°09'46.313W
2000	0.53	237.88	1999.96	-5.91	-2.97	0.95	0.17	751713.09	858608.13	33°03'39.690N	103°09'46.324W
2100	1.01	229.91	2099.95	-6.73	-4.03	1.7	0.49	751712.27	858607.07	33°03'39.682N	103°09'46.336W
2200	1.02	222.03	2199.93	-7.96	-5.3	2.52	0.14	751711.04	858605.82	33°03'39.670N	103°09'46.351W
2300	0.98	244.8	2299.92	-8.98	-6.67	3.5	0.4	751710.02	858604.43	33°03'39.660N	103°09'46.368W
2400	0.78	271.74	2399.91	-9.33	-8.13	4.77	0.45	751709.67	858602.97	33°03'39.657N	103°09'46.385W
2500	0.83	262.36	2499.9	-9.4	-9.52	6.07	0.14	751709.6	858601.58	33°03'39.656N	103°09'46.401W
2600	0.63	252.18	2599.89	-9.67	-10.77	7.17	0.24	751709.33	858600.33	33°03'39.654N	103°09'46.416W
2700	0.66	273.76	2699.88	-9.8	-11.86	8.17	0.24	751709.2	858599.24	33°03'39.652N	103°09'46.429W
2800	0.61	260.15	2799.88	-9.85	-12.96	9.19	0.16	751709.15	858598.14	33°03'39.652N	103°09'46.442W
2900	0.4	254.05	2899.87	-10.04	-13.82	9.95	0.22	751708.96	858597.28	33°03'39.650N	103°09'46.452W
3000	0.36	256.79	2999.87	-10.2	-14.46	10.51	0.04	751708.8	858596.64	33°03'39.649N	103°09'46.459W
3100	0.6	258.52	3099.87	-10.38	-15.28	11.23	0.24	751708.62	858595.82	33°03'39.647N	103°09'46.469W
3200	0.26	226.42	3199.87	-10.64	-15.96	11.79	0.4	751708.36	858595.14	33°03'39.645N	103°09'46.477W
3300	0.13	0.94	3299.87	-10.68	-16.12	11.93	0.36	751708.32	858594.98	33°03'39.644N	103°09'46.479W
3400	0.25	21.89	3399.86	-10.37	-16.04	11.95	0.14	751708.63	858595.06	33°03'39.647N	103°09'46.478W
3500	0.36	342.16	3499.86	-9.87	-16.05	12.12	0.23	751709.13	858595.05	33°03'39.652N	103°09'46.478W
3600	0.39	333.44	3599.86	-9.26	-16.3	12.55	0.06	751709.74	858594.8	33°03'39.658N	103°09'46.481W
3700	0.41	346.77	3699.86	-8.61	-16.54	12.98	0.09	751710.39	858594.56	33°03'39.665N	103°09'46.484W
3800	0.44	347.12	3799.86	-7.89	-16.7	13.36	0.03	751711.11	858594.4	33°03'39.672N	103°09'46.485W
3900	0.27	4.5	3899.85	-7.28	-16.77	13.62	0.2	751711.72	858594.33	33°03'39.678N	103°09'46.486W
4000	0.48	356.51	3999.85	-6.63	-16.78	13.83	0.22	751712.37	858594.32	33°03'39.684N	103°09'46.486W
4100	0.48	344.68	4099.85	-5.8	-16.91	14.22	0.1	751713.2	858594.19	33°03'39.693N	103°09'46.488W
4200	0.32	322.59	4199.85	-5.18	-17.2	14.68	0.22	751713.82	858593.9	33°03'39.699N	103°09'46.491W
4300	0.42	346.25	4299.84	-4.6	-17.45	15.11	0.18	751714.4	858593.65	33°03'39.705N	103°09'46.494W
4400	0.42	318.92	4399.84	-3.97	-17.78	15.62	0.2	751715.03	858593.32	33°03'39.711N	103°09'46.498W
4500	0.37	351.28	4499.84	-3.37	-18.07	16.08	0.23	751715.63	858593.03	33°03'39.717N	103°09'46.501W
4600	0.29	359.38	4599.84	-2.8	-18.12	16.31	0.09	751716.2	858592.98	33°03'39.722N	103°09'46.501W

1st. Lateral
SUR: H-35-14S-37E, 2550/N & 330/E
BHL: G-35-14S-37E, 1959/N & 2128/E
API #30-025-37032

1st. Lateral
SUR: H-35-14S-37E, 2550/N & 330/E
BHL: G-35-14S-37E, 1959/N & 2128/E
API #30-025-37032

4700	0.27	54.64	4699.84	-2.41	-17.93	16.26	0.26	751716.59	858593.17	33°03'39.726N	103°09'46.499W
4800	0.2	62.01	4799.84	-2.19	-17.59	16	0.08	751716.81	858593.51	33°03'39.728N	103°09'46.495W
4900	0.28	43.13	4899.83	-1.93	-17.26	15.77	0.11	751717.07	858593.84	33°03'39.731N	103°09'46.491W
5000	0.26	17.12	4999.83	-1.54	-17.03	15.68	0.12	751717.46	858594.07	33°03'39.735N	103°09'46.488W
5100	0.19	53.69	5099.83	-1.22	-16.83	15.59	0.16	751717.78	858594.27	33°03'39.738N	103°09'46.486W
5200	0.1	316.14	5199.83	-1.06	-16.76	15.57	0.23	751717.94	858594.34	33°03'39.739N	103°09'46.485W
5300	0.2	2.74	5299.83	-0.82	-16.81	15.69	0.15	751718.18	858594.29	33°03'39.742N	103°09'46.486W
5400	0.09	97	5399.83	-0.66	-16.72	15.66	0.23	751718.34	858594.38	33°03'39.743N	103°09'46.485W
5500	0.14	327.12	5499.83	-0.57	-16.71	15.68	0.21	751718.43	858594.39	33°03'39.744N	103°09'46.485W
5600	0.17	28.66	5599.83	-0.33	-16.71	15.75	0.16	751718.67	858594.39	33°03'39.747N	103°09'46.484W
5700	0.09	88.48	5699.83	-0.2	-16.56	15.65	0.15	751718.8	858594.54	33°03'39.748N	103°09'46.483W
5800	0.09	277	5799.83	-0.19	-16.56	15.65	0.18	751718.81	858594.54	33°03'39.748N	103°09'46.483W
5900	0.06	321.22	5899.83	-0.14	-16.67	15.77	0.06	751718.86	858594.43	33°03'39.749N	103°09'46.484W
6000	0.23	166.27	5999.83	-0.29	-16.65	15.71	0.29	751718.71	858594.45	33°03'39.747N	103°09'46.484W
6100	0.15	231.52	6099.83	-0.57	-16.71	15.67	0.22	751718.43	858594.39	33°03'39.744N	103°09'46.484W
6200	0.13	117.97	6199.83	-0.7	-16.71	15.63	0.23	751718.3	858594.39	33°03'39.743N	103°09'46.485W
6300	0.2	181.17	6299.83	-0.93	-16.61	15.47	0.18	751718.07	858594.49	33°03'39.741N	103°09'46.483W
6400	0.18	229.64	6399.83	-1.21	-16.74	15.5	0.16	751717.79	858594.36	33°03'39.738N	103°09'46.485W
6500	0.16	234.96	6499.83	-1.39	-16.97	15.66	0.03	751717.61	858594.13	33°03'39.736N	103°09'46.488W
6600	0.12	259.15	6599.83	-1.49	-17.19	15.84	0.07	751717.51	858593.91	33°03'39.735N	103°09'46.490W
6700	0.09	285.81	6699.83	-1.49	-17.37	16.01	0.06	751717.51	858593.73	33°03'39.735N	103°09'46.492W
6800	0.11	250.42	6799.83	-1.5	-17.53	16.16	0.06	751717.5	858593.57	33°03'39.735N	103°09'46.494W
6900	0.19	217.33	6899.83	-1.66	-17.72	16.29	0.11	751717.34	858593.38	33°03'39.734N	103°09'46.497W
7000	0.43	253.55	6999.83	-1.9	-18.18	16.65	0.3	751717.1	858592.92	33°03'39.731N	103°09'46.502W
7100	0.46	257.47	7099.82	-2.09	-18.93	17.31	0.04	751716.91	858592.17	33°03'39.729N	103°09'46.511W
7200	0.43	276.05	7199.82	-2.14	-19.7	18.02	0.15	751716.86	858591.4	33°03'39.729N	103°09'46.520W
7300	0.26	258.28	7299.82	-2.15	-20.3	18.58	0.2	751716.85	858590.8	33°03'39.729N	103°09'46.527W
7400	0.35	248.23	7399.82	-2.31	-20.8	19.01	0.1	751716.69	858590.3	33°03'39.728N	103°09'46.533W
7500	0.54	258.37	7499.81	-2.52	-21.55	19.65	0.2	751716.48	858589.55	33°03'39.726N	103°09'46.542W
7600	0.51	272.92	7599.81	-2.59	-22.45	20.49	0.14	751716.41	858588.65	33°03'39.725N	103°09'46.552W
7700	0.37	267.95	7699.81	-2.58	-23.22	21.22	0.14	751716.42	858587.88	33°03'39.725N	103°09'46.561W
7800	0.46	247.37	7799.81	-2.74	-23.91	21.83	0.17	751716.26	858587.19	33°03'39.724N	103°09'46.569W
7900	0.65	263.9	7899.8	-2.96	-24.85	22.64	0.25	751716.04	858586.25	33°03'39.722N	103°09'46.580W
8000	0.4	279.35	7999.8	-2.96	-25.76	23.51	0.29	751716.04	858585.34	33°03'39.722N	103°09'46.591W
8100	0.55	256.91	8099.79	-3.01	-26.57	24.26	0.24	751715.99	858584.53	33°03'39.721N	103°09'46.601W
8200	0.61	275.01	8199.79	-3.08	-27.57	25.19	0.19	751715.92	858583.53	33°03'39.721N	103°09'46.612W
8300	0.64	278.81	8299.78	-2.94	-28.65	26.26	0.05	751716.06	858582.45	33°03'39.722N	103°09'46.625W
8400	0.62	273.27	8399.78	-2.83	-29.74	27.33	0.06	751716.17	858581.36	33°03'39.723N	103°09'46.638W
8500	0.82	263.04	8499.77	-2.88	-30.99	28.5	0.24	751716.12	858580.11	33°03'39.723N	103°09'46.653W
8600	0.88	274.01	8599.76	-2.92	-32.47	29.89	0.17	751716.08	858578.63	33°03'39.723N	103°09'46.670W
8700	0.6	268.78	8699.75	-2.87	-33.76	31.13	0.29	751716.13	858577.34	33°03'39.723N	103°09'46.685W
8800	0.6	263.78	8799.74	-2.94	-34.8	32.09	0.05	751716.06	858576.3	33°03'39.723N	103°09'46.697W
8900	0.83	263.66	8899.74	-3.08	-36.04	33.23	0.23	751715.92	858575.06	33°03'39.722N	103°09'46.712W
9000	0.77	264.03	8999.73	-3.23	-37.43	34.5	0.06	751715.77	858573.67	33°03'39.720N	103°09'46.728W
9100	0.77	268.02	9099.72	-3.32	-38.77	35.74	0.05	751715.68	858572.33	33°03'39.720N	103°09'46.744W
9200	0.7	275.04	9199.71	-3.29	-40.05	36.96	0.11	751715.71	858571.05	33°03'39.720N	103°09'46.759W
9300	0.75	272.85	9299.7	-3.2	-41.31	38.19	0.06	751715.8	858569.79	33°03'39.721N	103°09'46.774W
9400	0.64	279.6	9399.69	-3.08	-42.51	39.37	0.14	751715.92	858568.59	33°03'39.722N	103°09'46.788W
9500	0.49	269.6	9499.69	-2.99	-43.49	40.33	0.18	751716.01	858567.61	33°03'39.723N	103°09'46.799W
9600	0.62	247.87	9599.68	-3.2	-44.42	41.14	0.25	751715.8	858566.68	33°03'39.721N	103°09'46.810W
9700	0.76	256.92	9699.68	-3.55	-45.57	42.12	0.18	751715.45	858565.53	33°03'39.718N	103°09'46.824W
9800	0.65	258.84	9799.67	-3.81	-46.77	43.18	0.11	751715.19	858564.33	33°03'39.716N	103°09'46.838W
9900	0.62	225.64	9899.66	-4.3	-47.71	43.92	0.36	751714.7	858563.39	33°03'39.711N	103°09'46.849W
10000	0.82	223.52	9999.65	-5.19	-48.59	44.47	0.2	751713.81	858562.51	33°03'39.702N	103°09'46.860W
10100	1.05	218.5	10099.64	-6.43	-49.66	45.09	0.24	751712.57	858561.44	33°03'39.690N	103°09'46.872W
10200	1.45	207.35	10199.62	-8.27	-50.81	45.6	0.47	751710.73	858560.29	33°03'39.672N	103°09'46.886W
10300	1.57	210.57	10299.58	-10.57	-52.09	46.09	0.15	751708.43	858559.01	33°03'39.649N	103°09'46.901W
10400	1.33	203.75	10399.55	-12.82	-53.25	46.49	0.3	751706.18	858557.85	33°03'39.627N	103°09'46.915W
10500	1.47	198.04	10499.52	-15.1	-54.12	46.59	0.2	751703.9	858556.98	33°03'39.605N	103°09'46.926W
10600	1.48	213.44	10599.49	-17.4	-55.22	46.92	0.4	751701.6	858555.88	33°03'39.582N	103°09'46.939W
10700	1.31	219.58	10699.46	-19.35	-56.66	47.66	0.23	751699.65	858554.44	33°03'39.563N	103°09'46.956W
10800	0.95	215.26	10799.44	-20.91	-57.87	48.32	0.37	751698.09	858553.23	33°03'39.548N	103°09'46.971W
10900	0.94	208.83	10899.43	-22.31	-58.75	48.71	0.11	751696.69	858552.35	33°03'39.534N	103°09'46.981W
11000	0.81	209.8	10999.41	-23.64	-59.49	49	0.13	751695.36	858551.61	33°03'39.521N	103°09'46.990W

11100	0.84	223.7	11099.4	-24.78	-60.35	49.45	0.2	751694.22	858550.75	33°03'39.510N	103°09'47.000W
11200	1.09	251	11199.39	-25.62	-61.76	50.52	0.52	751693.38	858549.34	33°03'39.501N	103°09'47.017W
11300	1.37	258.11	11299.37	-26.18	-63.82	52.31	0.32	751692.82	858547.28	33°03'39.496N	103°09'47.041W
11400	1.38	266.21	11399.34	-26.5	-66.2	54.45	0.19	751692.5	858544.9	33°03'39.493N	103°09'47.069W
11500	1.47	270.81	11499.31	-26.57	-68.68	56.79	0.15	751692.43	858542.42	33°03'39.493N	103°09'47.098W
11600	1.49	272.09	11599.27	-26.5	-71.26	59.26	0.04	751692.5	858539.84	33°03'39.494N	103°09'47.129W
11700	1.58	273.55	11699.24	-26.37	-73.94	61.84	0.1	751692.63	858537.16	33°03'39.495N	103°09'47.160W
11800	1.75	276.54	11799.2	-26.11	-76.83	64.67	0.19	751692.89	858534.27	33°03'39.498N	103°09'47.194W
11900	1.69	281.53	11899.15	-25.64	-79.79	67.63	0.16	751693.36	858531.31	33°03'39.503N	103°09'47.229W
12000	1.63	287.4	11999.11	-24.92	-82.59	70.51	0.18	751694.08	858528.51	33°03'39.511N	103°09'47.262W
12100	1.51	297.11	12099.07	-23.89	-85.12	73.24	0.29	751695.11	858525.98	33°03'39.521N	103°09'47.291W
12200	1.34	290.23	12199.04	-22.89	-87.39	75.71	0.24	751696.11	858523.71	33°03'39.531N	103°09'47.318W
12260	1.67	279.68	12259.02	-22.5	-88.91	77.28	0.72	751696.5	858522.19	33°03'39.535N	103°09'47.336W
12286	1.83	275.73	12285.01	-22.39	-89.7	78.05	0.77	751696.61	858521.4	33°03'39.536N	103°09'47.345W
12394	32.89	294.24	12386.85	-9.87	-118.88	109.69	28.85	751709.13	858492.22	33°03'39.664N	103°09'47.686W
12425	44.41	293.27	12411.02	-2.11	-136.58	128.94	37.21	751716.89	858474.52	33°03'39.742N	103°09'47.893W
12457	55.31	291.34	12431.62	7.13	-159.19	153.31	34.37	751726.13	858451.91	33°03'39.836N	103°09'48.157W
12488	66.3	291.08	12446.71	16.91	-184.38	180.29	35.46	751735.91	858426.72	33°03'39.936N	103°09'48.452W
12520	77.38	288.97	12456.67	27.28	-212.9	210.64	35.18	751746.28	858398.2	33°03'40.041N	103°09'48.786W
12550	86.35	286.24	12460.91	36.25	-241.18	240.3	31.22	751755.25	858369.92	33°03'40.133N	103°09'49.117W
12581	92.86	284.22	12461.13	44.39	-271.08	271.24	21.99	751763.39	858340.02	33°03'40.217N	103°09'49.467W
12613	97.61	283.96	12458.21	52.14	-301.97	303	14.87	751771.14	858309.13	33°03'40.297N	103°09'49.829W
12645	101.04	283.69	12453.03	59.69	-332.63	334.48	10.75	751778.69	858278.47	33°03'40.375N	103°09'50.188W
12676	102	285.01	12446.83	67.22	-362.06	364.77	5.2	751786.22	858249.04	33°03'40.453N	103°09'50.533W
12708	102.44	286.24	12440.06	75.64	-392.18	396.01	4	751794.64	858218.92	33°03'40.540N	103°09'50.886W
12740	103.06	287.91	12433	84.8	-422.01	427.21	5.45	751803.8	858189.09	33°03'40.634N	103°09'51.235W
12771	102.09	288.44	12426.25	94.24	-450.76	457.47	3.55	751813.24	858160.34	33°03'40.730N	103°09'51.571W
12803	99.63	288.7	12420.22	104.25	-480.55	488.89	7.73	751823.25	858130.55	33°03'40.832N	103°09'51.920W
12835	95.32	289.67	12416.06	114.67	-510.5	520.61	13.8	751833.67	858100.6	33°03'40.939N	103°09'52.271W
12866	95.76	291.34	12413.06	125.48	-539.4	551.44	5.55	751844.48	858071.7	33°03'41.049N	103°09'52.609W
12898	96.11	291.69	12409.76	137.15	-569.01	583.22	1.54	751856.15	858042.09	33°03'41.168N	103°09'52.955W
12929	96.73	291.87	12406.29	148.58	-597.62	613.98	2.08	751867.58	858013.48	33°03'41.284N	103°09'53.290W
12961	97.87	292.04	12402.22	160.45	-627.06	645.65	3.6	751879.45	857984.04	33°03'41.405N	103°09'53.634W
12993	98.31	292.04	12397.72	172.34	-656.42	677.27	1.37	751891.34	857954.68	33°03'41.525N	103°09'53.977W
13024	98.05	291.95	12393.31	183.83	-684.88	707.9	0.89	751902.83	857926.22	33°03'41.642N	103°09'54.310W
13055	97.08	293.89	12389.23	195.8	-713.18	738.53	6.95	751914.8	857897.92	33°03'41.764N	103°09'54.641W
13087	97.17	293.89	12385.26	208.66	-742.21	770.13	0.28	751927.66	857868.89	33°03'41.894N	103°09'54.980W
13119	98.49	293.36	12380.9	221.36	-771.25	801.7	4.44	751940.36	857839.85	33°03'42.023N	103°09'55.320W
13150	98.57	293.36	12376.3	233.52	-799.4	832.25	0.26	751952.52	857811.7	33°03'42.146N	103°09'55.649W
13182	98.22	293.01	12371.63	245.98	-828.5	863.79	1.54	751964.98	857782.6	33°03'42.273N	103°09'55.989W
13213	97.87	292.48	12367.29	257.85	-856.81	894.4	2.03	751976.85	857754.29	33°03'42.393N	103°09'56.320W
13245	97.87	291.95	12362.91	269.83	-886.15	926.03	1.64	751988.83	857724.95	33°03'42.515N	103°09'56.663W
13276	96.02	292.57	12359.16	281.49	-914.63	956.73	6.29	752000.49	857696.47	33°03'42.634N	103°09'56.996W
13308	94.79	293.62	12356.15	293.99	-943.93	988.48	5.04	752012.99	857667.17	33°03'42.760N	103°09'57.339W
13340	93.47	294.5	12353.84	307	-973.08	1020.24	4.95	752026	857638.02	33°03'42.892N	103°09'57.680W
13371	92.23	295.64	12352.3	320.12	-1001.12	1050.99	5.43	752039.12	857609.98	33°03'43.025N	103°09'58.007W
13402	90.4	296	12351.59	333.62	-1029.02	1081.72	6.02	752052.62	857582.08	33°03'43.162N	103°09'58.333W
13434	88.72	294.85	12351.83	347.35	-1057.91	1113.47	6.36	752066.35	857553.19	33°03'43.301N	103°09'58.671W
13466	86.61	293.54	12353.14	360.46	-1087.08	1145.28	7.76	752079.46	857524.02	33°03'43.434N	103°09'59.012W
13497	84.68	293.36	12355.49	372.76	-1115.43	1176.07	6.25	752091.76	857495.67	33°03'43.559N	103°09'59.344W
13528	84.42	294.68	12358.44	385.32	-1143.62	1206.78	4.32	752104.32	857467.48	33°03'43.686N	103°09'59.673W
13560	84.68	293.1	12361.48	398.22	-1172.75	1238.49	4.98	752117.22	857438.35	33°03'43.817N	103°10'00.014W
13592	84.42	290.9	12364.52	410.15	-1202.28	1270.28	6.89	752129.15	857408.82	33°03'43.938N	103°10'00.359W
13624	83.62	289.4	12367.85	421.11	-1232.16	1302.09	5.29	752140.11	857378.94	33°03'44.050N	103°10'00.708W
13655	83.62	289.32	12371.29	431.33	-1261.22	1332.89	0.26	752150.33	857349.88	33°03'44.154N	103°10'01.049W
13687	83.71	289.76	12374.83	441.96	-1291.19	1364.69	1.4	752160.96	857319.91	33°03'44.263N	103°10'01.399W
13719	83.36	288.35	12378.43	452.34	-1321.25	1396.48	4.51	752171.34	857289.85	33°03'44.369N	103°10'01.751W
13750	81.95	287.12	12382.39	461.71	-1350.53	1427.22	6.01	752180.71	857260.57	33°03'44.464N	103°10'02.094W
13782	82.04	287.21	12386.85	471.06	-1380.81	1458.9	0.4	752190.06	857230.29	33°03'44.560N	103°10'02.448W
13814	81.69	286.68	12391.38	480.29	-1411.11	1490.57	1.97	752199.29	857199.99	33°03'44.655N	103°10'02.803W
13845	80.11	286.86	12396.28	489.13	-1440.42	1521.17	5.13	752208.13	857170.68	33°03'44.746N	103°10'03.146W
13876	79.32	287.12	12401.81	498.04	-1469.59	1551.66	2.68	752217.04	857141.51	33°03'44.837N	103°10'03.488W
13908	80.9	287.12	12407.31	507.32	-1499.71	1583.18	4.94	752226.32	857111.39	33°03'44.932N	103°10'03.841W
13939	83.27	287.03	12411.58	516.33	-1529.06	1613.87	7.65	752235.33	857082.04	33°03'45.024N	103°10'04.184W

13971	86.17	286.86	12414.52	525.62	-1559.54	1645.72	9.08	752244.62	857051.56	33°03'45.120N	103°10'04.541W
14002	88.55	286.33	12415.95	534.46	-1589.22	1676.67	7.87	752253.46	857021.88	33°03'45.210N	103°10'04.889W
14033	90.92	286.33	12416.09	543.18	-1618.96	1707.65	7.65	752262.18	856992.14	33°03'45.300N	103°10'05.237W
14065	90.4	285.8	12415.73	552.03	-1649.71	1739.62	2.32	752271.03	856961.39	33°03'45.391N	103°10'05.597W
14096	89.34	285.54	12415.8	560.41	-1679.56	1770.58	3.52	752279.41	856931.54	33°03'45.477N	103°10'05.946W
14128	89.34	284.83	12416.16	568.79	-1710.44	1802.53	2.22	752287.79	856900.66	33°03'45.563N	103°10'06.308W
14159	90.75	284.31	12416.14	576.59	-1740.44	1833.46	4.85	752295.59	856870.66	33°03'45.644N	103°10'06.660W
14169	90.84	284.13	12416	579.04	-1750.13	1843.43	2.01	752298.04	856860.97	33°03'45.669N	103°10'06.773W
14218	90.84	284.13	12415.28	591	-1797.65	1892.29	0	752310	856813.45	33°03'45.793N	103°10'07.330W