

**NM OIL CONSERVATION
ARTESIA DISTRICT**

JAN 07 2019

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HEADER

Company : XTO Energy
Field : Eddy County, NM (NAD27) NMEZ
Site : Remuda South 25 State Pad
Well Name : Remuda South 25 State 123H

WELL INFORMATION

API number : 30-015-44389
Engineer :
State : NM
County : Eddy
Depth Unit : usft
Datum elevation : 3105
VSect. Azimuth : 170.79
VSect. North : 0
VSect. East : 0
Survey Name : Lateral
Survey Date : 4/20/2018
Geomagne Date: 4/13/2018
Extract Date : 10-May-18

Seq # -	Measured depth (ft)	Incl angle (deg)	Azimuth angle (deg)	Course length (ft)	TVD depth (ft)	Vertical section (ft)	Displ +N/-S- (ft)	Displ +E/W- (ft)	Total displ (ft)	At Azim (deg)	DLS (deg/ 100ft)	X (ft)	Y (ft)	Survey	Tool
1	0		0	0	0	0	0	0	0	0	0	0	621596.9 E	464639.4 N	MWD
2	295		0.5	239.1	295	295	0.48	-0.66	-1.1	1.29	239.1	0.17	621595.8 E	464638.7 N	
3	402		0.9	192.3	107	401.99	1.43	-1.72	-1.68	2.41	224.37	0.62	621595.2 E	464637.6 N	
4	496		0.8	191	94	495.98	2.73	-3.09	-1.97	3.66	212.5	0.11	621594.9 E	464636.3 N	
5	590		0.5	192.4	94	589.97	3.73	-4.13	-2.18	4.67	207.81	0.32	621594.7 E	464635.2 N	
6	684		0.3	219.9	94	683.97	4.27	-4.72	-2.43	5.31	207.19	0.29	621594.4 E	464634.6 N	
7	778		0.8	142.2	94	777.97	5.01	-5.43	-2.18	5.85	201.89	0.84	621594.7 E	464633.9 N	
8	857		1.1	138.9	79	856.96	6.14	-6.44	-1.34	6.57	191.8	0.39	621595.5 E	464632.9 N	
9	951		1.2	135.5	94	950.94	7.71	-7.82	-0.06	7.82	180.45	0.13	621596.8 E	464631.6 N	
10	1045		1.1	119.1	94	1044.92	9.07	-8.96	1.42	9.07	171.02	0.36	621598.3 E	464630.4 N	
11	1138		0.4	78.9	93	1137.91	9.61	-9.33	2.51	9.66	164.91	0.9	621599.4 E	464630 N	
12	1232		0.3	342.3	94	1231.91	9.36	-9.03	2.76	9.45	163	0.56	621599.6 E	464630.3 N	
13	1326		0.5	295.6	94	1325.91	8.88	-8.62	2.32	8.93	164.95	0.39	621599.2 E	464630.8 N	

14	1420	0.5	290.3	94	1419.9	8.44	-8.3	1.56	8.45	169.34	0.05	621598.4 E	464631.1 N
15	1514	0.6	263.5	94	1513.9	8.22	-8.22	0.69	8.24	175.2	0.29	621597.5 E	464631.2 N
16	1608	0.3	288.8	94	1607.9	8.08	-8.19	-0.03	8.19	180.23	0.38	621596.8 E	464631.2 N
17	1702	0.7	187.2	94	1701.89	8.52	-8.68	-0.34	8.69	182.23	0.87	621596.5 E	464630.7 N
18	1796	1.9	174.3	94	1795.87	10.62	-10.8	-0.25	10.81	181.35	1.31	621596.6 E	464628.6 N
19	1890	2	181.6	94	1889.81	13.79	-13.99	-0.15	13.99	180.6	0.28	621596.7 E	464625.4 N
20	1983	1.4	194.4	93	1982.77	16.42	-16.72	-0.47	16.72	181.62	0.76	621596.4 E	464622.7 N
21	2077	1	172.6	94	2076.75	18.3	-18.64	-0.65	18.65	182.01	0.64	621596.2 E	464620.7 N
22	2171	1	163.3	94	2170.74	19.93	-20.24	-0.31	20.24	180.88	0.17	621596.5 E	464619.1 N
23	2265	1.2	194.5	94	2264.72	21.64	-21.98	-0.32	21.98	180.84	0.66	621596.5 E	464617.4 N
24	2358	1.2	206.7	93	2357.7	23.32	-23.79	-1	23.81	182.42	0.27	621595.9 E	464615.6 N
25	2452	1.6	195.1	94	2451.67	25.32	-25.94	-1.79	26	183.94	0.52	621595.1 E	464613.4 N
26	2546	1.9	179.6	94	2545.63	28.05	-28.76	-2.12	28.84	184.21	0.59	621594.7 E	464610.6 N
27	2640	1.3	196.2	94	2639.59	30.56	-31.35	-2.41	31.44	184.39	0.8	621594.5 E	464608 N
28	2734	1.1	121.2	94	2733.58	32.1	-32.84	-1.93	32.89	183.37	1.56	621594.9 E	464606.5 N
29	2828	2.2	110.4	94	2827.54	33.58	-33.93	0.53	33.94	179.1	1.21	621597.4 E	464605.4 N
30	2921	2.1	119.9	93	2920.47	35.54	-35.4	3.68	35.6	174.06	0.4	621600.5 E	464604 N
31	3015	2.4	150	94	3014.4	38.46	-37.97	6.16	38.46	170.79	1.28	621603 E	464601.4 N
32	3109	1.4	186.6	94	3108.35	41.41	-40.81	7.01	41.41	170.25	1.62	621603.9 E	464598.6 N
33	3203	2.2	279.6	94	3202.32	41.93	-41.65	5.1	41.96	173.02	2.84	621602 E	464597.7 N
34	3297	2.9	280.9	94	3296.23	40.53	-40.9	0.99	40.91	178.62	0.75	621597.8 E	464598.5 N
35	3390	2.9	286.4	93	3389.11	38.71	-39.79	-3.58	39.95	185.14	0.3	621593.3 E	464599.6 N
36	3484	2.2	278	94	3483.02	37.14	-38.87	-7.65	39.62	191.13	0.84	621589.2 E	464600.5 N
37	3578	1.3	274.3	94	3576.97	36.36	-38.54	-10.5	39.94	195.24	0.96	621586.4 E	464600.8 N
38	3672	1.3	271.3	94	3670.95	35.92	-38.44	-12.63	40.46	198.19	0.07	621584.2 E	464600.9 N
39	3766	0.9	279.4	94	3764.93	35.49	-38.29	-14.42	40.92	200.64	0.46	621582.4 E	464601.1 N
40	3859	0.7	294.7	93	3857.92	34.94	-37.93	-15.66	41.04	202.43	0.31	621581.2 E	464601.4 N
41	3953	1	323.2	94	3951.91	33.89	-37.04	-16.67	40.62	204.24	0.54	621580.2 E	464602.3 N
42	4047	1.1	325.7	94	4045.89	32.35	-35.64	-17.67	39.78	206.38	0.12	621579.2 E	464603.7 N
43	4141	1.1	326.4	94	4139.88	30.71	-34.14	-18.68	38.92	208.69	0.01	621578.2 E	464605.2 N
44	4234	1.2	314.4	93	4232.86	29.11	-32.71	-19.87	38.28	211.27	0.28	621577 E	464606.7 N
45	4328	1.1	308.3	94	4326.84	27.65	-31.47	-21.28	37.99	214.07	0.17	621575.6 E	464607.9 N
46	4422	1.1	335.1	94	4420.82	26.12	-30.09	-22.37	37.49	216.63	0.54	621574.5 E	464609.3 N
47	4516	1.2	346.2	94	4514.8	24.27	-28.31	-22.98	36.47	219.07	0.26	621573.9 E	464611.1 N
48	4610	1.1	355.6	94	4608.78	22.39	-26.46	-23.29	35.25	221.35	0.23	621573.6 E	464612.9 N
49	4704	1.3	357.3	94	4702.76	20.43	-24.49	-23.41	33.88	223.7	0.22	621573.4 E	464614.9 N
50	4798	1.2	354.8	94	4796.74	18.39	-22.45	-23.55	32.53	226.37	0.12	621573.3 E	464616.9 N
51	4891	0.9	22	93	4889.73	16.79	-20.8	-23.36	31.28	228.32	0.62	621573.5 E	464618.6 N
52	4985	1.1	42.9	94	4983.71	15.61	-19.46	-22.47	29.72	229.11	0.44	621574.4 E	464619.9 N
53	5079	1.1	43.3	94	5077.69	14.5	-18.14	-21.24	27.93	229.5	0.01	621575.6 E	464621.2 N
54	5173	1.1	53.7	94	5171.68	13.54	-16.95	-19.89	26.13	229.57	0.21	621577 E	464622.4 N
55	5266	1.1	53.7	93	5264.66	12.73	-15.89	-18.45	24.35	229.27	0	621578.4 E	464623.5 N
56	5360	1.2	46	94	5358.64	11.76	-14.67	-17.02	22.47	229.23	0.2	621579.8 E	464624.7 N
57	5454	1.1	39.7	94	5452.62	10.6	-13.29	-15.73	20.6	229.8	0.17	621581.1 E	464626.1 N
58	5548	0.4	90.3	94	5546.61	10.06	-12.6	-14.83	19.46	229.64	0.96	621582 E	464626.8 N
59	5642	1.3	177.4	94	5640.61	11.18	-13.67	-14.45	19.89	226.6	1.43	621582.4 E	464625.7 N
60	5735	1.9	180.1	93	5733.57	13.75	-16.26	-14.41	21.73	221.54	0.65	621582.4 E	464623.1 N
61	5829	2	186	94	5827.51	16.87	-19.45	-14.58	24.31	216.85	0.24	621582.3 E	464619.9 N

62	5923	2.3	193.3	94	5921.45	20.19	-22.92	-15.19	27.5	213.53	0.43	621581.7 E	464616.5 N
63	6017	2.5	204	94	6015.37	23.65	-26.63	-16.45	31.3	211.71	0.52	621580.4 E	464612.7 N
64	6111	2.6	200.2	94	6109.27	27.22	-30.5	-18.02	35.43	210.58	0.21	621578.8 E	464608.9 N
65	6205	2.9	213.9	94	6203.17	30.82	-34.48	-20.09	39.9	210.23	0.77	621576.8 E	464604.9 N
66	6299	3.4	222.5	94	6297.02	34.28	-38.51	-23.3	45.01	211.17	0.73	621573.6 E	464600.9 N
67	6392	3.4	228.8	93	6389.86	37.45	-42.36	-27.23	50.36	212.74	0.4	621569.6 E	464597 N
68	6486	3.7	239.5	94	6483.68	40.03	-45.73	-31.95	55.78	214.94	0.77	621564.9 E	464593.6 N
69	6580	3.8	243.9	94	6577.48	42.03	-48.64	-37.36	61.33	217.52	0.32	621559.5 E	464590.7 N
70	6674	3.8	255.2	94	6671.28	43.24	-50.81	-43.17	66.67	220.35	0.8	621553.7 E	464588.6 N
71	6768	3.7	256.2	94	6765.07	43.79	-52.33	-49.12	71.77	223.19	0.13	621547.7 E	464587 N
72	6861	3.8	247.8	93	6857.88	44.72	-54.21	-54.89	77.14	225.36	0.6	621542 E	464585.2 N
73	6955	3.9	244.2	94	6951.66	46.33	-56.78	-60.65	83.08	226.89	0.28	621536.2 E	464582.6 N
74	7049	4	245.5	94	7045.44	48.11	-59.53	-66.51	89.26	228.17	0.14	621530.3 E	464579.8 N
75	7137	4.1	246.9	88	7133.22	49.67	-62.03	-72.2	95.19	229.33	0.16	621524.7 E	464577.3 N
76	7231	3.5	249.9	94	7227.01	51.02	-64.34	-77.99	101.1	230.48	0.67	621518.9 E	464575 N
77	7325	3.3	261.4	94	7320.85	51.53	-65.73	-83.35	106.15	231.74	0.75	621513.5 E	464573.6 N
78	7419	2.7	261	94	7414.72	51.5	-66.48	-88.22	110.46	233	0.64	621508.6 E	464572.9 N
79	7513	2.9	263.3	94	7508.61	51.38	-67.1	-92.77	114.49	234.12	0.24	621504.1 E	464572.3 N
80	7607	2.9	262.1	94	7602.49	51.23	-67.71	-97.48	118.69	235.22	0.06	621499.4 E	464571.7 N
81	7701	3.2	259.3	94	7696.35	51.24	-68.52	-102.42	123.22	236.22	0.36	621494.4 E	464570.9 N
82	7795	3.8	257	94	7790.18	51.51	-69.71	-108.03	128.57	237.17	0.66	621488.8 E	464569.7 N
83	7888	3.1	253.8	93	7883.01	52.02	-71.1	-113.45	133.89	237.92	0.78	621483.4 E	464568.3 N
84	7982	2.2	256.1	94	7976.91	52.48	-72.25	-117.64	138.05	238.44	0.96	621479.2 E	464567.1 N
85	8076	3.1	257.9	94	8070.81	52.75	-73.21	-121.88	142.17	239.01	0.96	621475 E	464566.2 N
86	8170	4.6	259.8	94	8164.59	52.95	-74.41	-128.07	148.12	239.84	1.6	621468.8 E	464565 N
87	8264	4.4	264.2	94	8258.3	52.8	-75.44	-135.37	154.97	240.87	0.42	621461.5 E	464563.9 N
88	8358	4	264.4	94	8352.05	52.38	-76.13	-142.22	161.31	241.84	0.43	621454.6 E	464563.2 N
89	8451	3.6	258.6	93	8444.85	52.28	-77.02	-148.31	167.12	242.56	0.6	621448.5 E	464562.3 N
90	8545	3.4	253.2	94	8538.67	52.76	-78.41	-153.87	172.7	243	0.41	621443 E	464561 N
91	8639	3.7	252.8	94	8632.49	53.55	-80.11	-159.44	178.43	243.32	0.32	621437.4 E	464559.3 N
92	8733	3.8	259.5	94	8726.29	54.05	-81.58	-165.4	184.42	243.75	0.48	621431.5 E	464557.8 N
93	8827	3.5	257.4	94	8820.1	54.28	-82.77	-171.26	190.21	244.2	0.35	621425.6 E	464556.6 N
94	8920	3	254.2	93	8912.95	54.73	-84.05	-176.37	195.38	244.52	0.57	621420.5 E	464555.3 N
95	9014	3.3	259.7	94	9006.81	55.06	-85.21	-181.4	200.41	244.84	0.45	621415.5 E	464554.2 N
96	9108	3.4	261.5	94	9100.65	55.08	-86.1	-186.82	205.71	245.26	0.15	621410 E	464553.3 N
97	9202	3.3	262.9	94	9194.49	54.95	-86.85	-192.26	210.97	245.69	0.14	621404.6 E	464552.5 N
98	9248	3.3	260.8	46	9240.41	54.9	-87.23	-194.88	213.51	245.89	0.26	621402 E	464552.1 N
99	9326	3	255.8	78	9318.29	55.07	-88.08	-199.08	217.69	246.13	0.52	621397.8 E	464551.3 N
100	9420	3	270.5	94	9412.16	54.87	-88.67	-203.92	222.36	246.5	0.82	621392.9 E	464550.7 N
101	9514	4.7	277.9	94	9505.95	53.33	-88.12	-210.19	227.92	247.26	1.88	621386.7 E	464551.3 N
102	9608	4.5	267.5	94	9599.65	51.76	-87.75	-217.69	234.71	248.05	0.91	621379.2 E	464551.6 N
103	9702	4.3	249.3	94	9693.38	52.03	-89.15	-224.67	241.72	248.36	1.49	621372.2 E	464550.2 N
104	9796	2.9	259.6	94	9787.19	52.78	-90.83	-230.31	247.57	248.48	1.63	621366.5 E	464548.5 N
105	9889	2.8	267.3	93	9880.07	52.57	-91.36	-234.89	252.03	248.75	0.43	621362 E	464548 N
106	9928	3	265.8	39	9919.02	52.38	-91.48	-236.86	253.91	248.88	0.55	621360 E	464547.9 N
107	9959	4.6	254.2	31	9949.95	52.45	-91.88	-238.87	255.93	248.96	5.7	621358 E	464547.5 N
108	9990	7.4	245.6	31	9980.78	53.11	-93.04	-241.88	259.16	248.96	9.46	621355 E	464546.3 N
109	10022	11	240.9	32	10012.37	54.69	-95.38	-246.43	264.24	248.84	11.48	621350.4 E	464544 N

110	10053	14.5	235.2	31	10042.6	57.38	-99.03	-252.2	270.95	248.56	11.98	621344.7 E	464540.3 N
111	10084	18.2	230.9	31	10072.34	61.47	-104.3	-259.15	279.35	248.08	12.55	621337.7 E	464535.1 N
112	10115	21.5	223.6	31	10101.5	67.31	-111.47	-266.83	289.17	247.33	13.29	621330 E	464527.9 N
113	10147	24.2	216.4	32	10130.99	75.45	-121	-274.76	300.23	246.23	12.13	621322.1 E	464518.4 N
114	10178	26.4	210.6	31	10159.02	85.19	-132.05	-282.05	311.43	244.91	10.68	621314.8 E	464507.3 N
115	10209	28.6	205.4	31	10186.52	96.59	-144.69	-288.74	322.96	243.38	10.5	621308.1 E	464494.7 N
116	10241	30.3	200.6	32	10214.39	109.9	-159.17	-294.86	335.08	241.64	9.09	621302 E	464480.2 N
117	10272	31.4	195.6	31	10241.01	124.02	-174.27	-299.79	346.76	239.83	9	621297.1 E	464465.1 N
118	10303	32.8	190.5	31	10267.27	139.26	-190.31	-303.49	358.22	237.91	9.84	621293.4 E	464449.1 N
119	10334	33.8	186.1	31	10293.18	155.48	-207.14	-305.94	369.47	235.9	8.43	621290.9 E	464432.2 N
120	10366	34.9	181.6	32	10319.61	173.06	-225.14	-307.14	380.82	233.76	8.65	621289.7 E	464414.2 N
121	10397	37	180.8	31	10344.7	190.96	-243.34	-307.52	392.15	231.65	6.94	621289.3 E	464396 N
122	10428	38.5	180.7	31	10369.21	209.65	-262.32	-307.77	404.39	229.56	4.84	621289.1 E	464377.1 N
123	10459	40	180.9	31	10393.22	228.97	-281.93	-308.04	417.58	227.53	4.86	621288.8 E	464357.4 N
124	10491	42.7	179.9	32	10417.24	249.81	-303.06	-308.18	432.23	225.48	8.69	621288.7 E	464336.3 N
125	10522	46.3	178.3	31	10439.35	271.31	-324.78	-307.83	447.49	223.46	12.16	621289 E	464314.6 N
126	10553	49.7	176	31	10460.09	294.2	-347.79	-306.67	463.69	221.41	12.27	621290.2 E	464291.6 N
127	10585	52.5	174.7	32	10480.18	319.02	-372.6	-304.65	481.3	219.27	9.3	621292.2 E	464266.8 N
128	10616	54.9	174	31	10498.53	343.95	-397.47	-302.19	499.3	217.25	7.95	621294.7 E	464241.9 N
129	10647	57.4	173.1	31	10515.8	369.67	-423.04	-299.29	518.21	215.28	8.42	621297.6 E	464216.3 N
130	10678	60.4	172.9	31	10531.81	396.19	-449.39	-296.06	538.15	213.38	9.69	621300.8 E	464190 N
131	10710	64	173.7	32	10546.73	424.46	-477.5	-292.76	560.1	211.51	11.47	621304.1 E	464161.9 N
132	10741	68.1	174.9	31	10559.31	452.73	-505.68	-289.95	582.91	209.83	13.69	621306.9 E	464133.7 N
133	10772	72.5	175.5	31	10569.76	481.83	-534.76	-287.51	607.15	208.26	14.31	621309.3 E	464104.6 N
134	10803	75.8	176.4	31	10578.23	511.52	-564.5	-285.41	632.55	206.82	11.01	621311.4 E	464074.9 N
135	10834	79.1	177.2	31	10584.96	541.61	-594.71	-283.72	658.92	205.5	10.94	621313.1 E	464044.7 N
136	10866	82.1	178.4	32	10590.19	572.94	-626.25	-282.51	687.02	204.28	10.08	621314.3 E	464013.1 N
137	10897	84.9	178.9	31	10593.7	603.45	-657.04	-281.78	714.92	203.21	9.17	621315.1 E	463982.3 N
138	10928	87.6	179.3	31	10595.72	634.05	-687.97	-281.3	743.25	202.24	8.8	621315.6 E	463951.4 N
139	10960	89.9	179.5	32	10596.42	665.68	-719.96	-280.96	772.84	201.32	7.21	621315.9 E	463919.4 N
140	11022	91.1	179.3	62	10595.88	726.98	-781.95	-280.31	830.67	199.72	1.96	621316.5 E	463857.4 N
141	11116	89.6	179.1	94	10595.31	819.96	-875.93	-279	919.3	197.67	1.61	621317.9 E	463763.4 N
142	11210	89.5	180	94	10596.04	912.86	-969.93	-278.26	1009.05	196.01	0.96	621318.6 E	463669.4 N
143	11304	89.7	179.4	94	10596.7	1005.72	-1063.92	-277.77	1099.59	194.63	0.67	621319.1 E	463575.4 N
144	11397	90.9	179.3	93	10596.21	1097.68	-1156.91	-276.72	1189.55	193.45	1.29	621320.1 E	463482.5 N
145	11491	89.5	180.8	94	10595.89	1190.45	-1250.91	-276.8	1281.17	192.48	2.18	621320.1 E	463388.5 N
146	11585	89.7	180.6	94	10596.54	1283.05	-1344.9	-277.95	1373.32	191.68	0.3	621318.9 E	463294.5 N
147	11679	89.9	180.1	94	10596.87	1375.74	-1438.9	-278.52	1465.61	190.96	0.57	621318.3 E	463200.5 N
148	11773	90.4	181.1	94	10596.62	1468.36	-1532.89	-279.51	1558.16	190.33	1.19	621317.4 E	463106.5 N
149	11867	92	181.1	94	10594.66	1560.82	-1626.85	-281.31	1650.99	189.81	1.7	621315.5 E	463012.5 N
150	11960	88.5	180.9	93	10594.25	1652.33	-1719.82	-282.93	1742.94	189.34	3.77	621313.9 E	462919.6 N
151	12054	88.4	180.9	94	10596.79	1744.84	-1813.77	-284.41	1835.94	188.91	0.11	621312.4 E	462825.6 N
152	12148	90.8	180.9	94	10597.45	1837.37	-1907.75	-285.89	1929.05	188.52	2.55	621311 E	462731.6 N
153	12242	89.6	180.1	94	10597.12	1930.02	-2001.75	-286.71	2022.17	188.15	1.53	621310.2 E	462637.6 N
154	12336	91.4	179.2	94	10596.3	2022.89	-2095.74	-286.13	2115.18	187.77	2.14	621310.7 E	462543.6 N
155	12430	88	178.9	94	10596.79	2115.9	-2189.71	-284.57	2208.12	187.4	3.63	621312.3 E	462449.7 N
156	12523	89.3	179.4	93	10598.98	2207.88	-2282.67	-283.19	2300.17	187.07	1.5	621313.7 E	462356.7 N
157	12617	88	179.8	94	10601.2	2300.74	-2376.64	-282.54	2393.37	186.78	1.45	621314.3 E	462262.7 N

158	12711	89.7	180.3	94	10603.08	2393.49	-2470.62	-282.62	2486.73	186.53	1.89	621314.2 E	462168.8 N
159	12804	91.8	180.1	93	10601.87	2485.23	-2563.6	-282.94	2579.17	186.3	2.27	621313.9 E	462075.8 N
160	12898	91.4	178.7	94	10599.24	2578.13	-2657.56	-281.96	2672.47	186.06	1.55	621314.9 E	461981.8 N
161	12992	90.5	179	94	10597.68	2671.19	-2751.53	-280.07	2765.74	185.81	1.01	621316.8 E	461887.8 N
162	13086	88.3	177.9	94	10598.67	2764.33	-2845.48	-277.53	2858.98	185.57	2.62	621319.3 E	461793.9 N
163	13179	90.1	177.3	93	10599.97	2856.66	-2938.38	-273.64	2951.1	185.32	2.04	621323.2 E	461701 N
164	13273	89.4	178.9	94	10600.38	2949.89	-3032.33	-270.52	3044.37	185.1	1.86	621326.3 E	461607 N
165	13367	88.5	179.2	94	10602.1	3042.9	-3126.3	-268.96	3137.85	184.92	1.01	621327.9 E	461513.1 N
166	13461	89	179.1	94	10604.15	3135.88	-3220.26	-267.57	3231.36	184.75	0.54	621329.3 E	461419.1 N
167	13555	90	179.1	94	10604.97	3228.89	-3314.25	-266.09	3324.91	184.59	1.06	621330.8 E	461325.1 N
168	13649	91.4	179.4	94	10603.82	3321.85	-3408.23	-264.86	3418.51	184.44	1.52	621332 E	461231.1 N
169	13743	89.6	179.9	94	10603	3414.72	-3502.22	-264.29	3512.18	184.32	1.99	621332.6 E	461137.2 N
170	13836	91.3	178.9	93	10602.27	3506.67	-3595.21	-263.31	3604.84	184.19	2.12	621333.5 E	461044.2 N
171	13930	89.4	179.5	94	10601.7	3599.65	-3689.19	-262	3698.48	184.06	2.12	621334.9 E	460950.2 N
172	14024	92	180.1	94	10600.55	3692.47	-3783.18	-261.67	3792.22	183.96	2.84	621335.2 E	460856.2 N
173	14060	92.7	180.5	36	10599.07	3727.95	-3819.15	-261.86	3828.11	183.92	2.24	621335 E	460820.2 N
174	14154	90.9	180.6	94	10596.12	3820.54	-3913.09	-262.76	3921.9	183.84	1.92	621334.1 E	460726.3 N
175	14248	89.9	179.7	94	10595.46	3913.28	-4007.09	-263.01	4015.71	183.76	1.43	621333.8 E	460632.3 N
176	14341	89	179.7	93	10596.36	4005.15	-4100.08	-262.52	4108.48	183.66	0.97	621334.3 E	460539.3 N
177	14435	88.9	179.4	94	10598.08	4098.04	-4194.06	-261.79	4202.22	183.57	0.34	621335.1 E	460445.3 N
178	14529	88.3	178.6	94	10600.38	4191.05	-4288.02	-260.15	4295.9	183.47	1.06	621336.7 E	460351.4 N
179	14623	87.9	179.7	94	10603.49	4283.99	-4381.95	-258.75	4389.59	183.38	1.24	621338.1 E	460257.4 N
180	14717	88.4	179.7	94	10606.53	4376.81	-4475.9	-258.26	4483.35	183.3	0.53	621338.6 E	460163.5 N
181	14810	89	178.5	93	10608.64	4468.81	-4568.87	-256.8	4576.08	183.22	1.44	621340.1 E	460070.5 N
182	14904	89.6	179.9	94	10609.79	4561.79	-4662.85	-255.49	4669.84	183.14	1.62	621341.4 E	459976.5 N
183	14998	90.8	179	94	10609.46	4654.71	-4756.84	-254.58	4763.65	183.06	1.6	621342.3 E	459882.5 N
184	15092	89.4	179.2	94	10609.29	4747.72	-4850.83	-253.11	4857.42	182.99	1.5	621343.7 E	459788.5 N
185	15186	89.4	179.3	94	10610.28	4840.69	-4944.81	-251.88	4951.22	182.92	0.11	621345 E	459694.6 N
186	15280	90.2	178.3	94	10610.61	4933.77	-5038.79	-249.91	5044.98	182.84	1.36	621346.9 E	459600.6 N
187	15374	91.5	178.7	94	10609.21	5026.91	-5132.74	-247.45	5138.71	182.76	1.45	621349.4 E	459506.6 N
188	15467	89.8	179.8	93	10608.16	5118.89	-5225.73	-246.23	5231.52	182.7	2.18	621350.6 E	459413.6 N
189	15561	89.8	181.6	94	10608.48	5211.48	-5319.71	-247.38	5325.46	182.66	1.91	621349.5 E	459319.7 N
190	15655	88.5	181.6	94	10609.88	5303.8	-5413.66	-250	5419.43	182.64	1.38	621346.9 E	459225.7 N
191	15748	88.2	181.9	93	10612.56	5395.06	-5506.58	-252.84	5512.38	182.63	0.46	621344 E	459132.8 N
192	15842	88	181.3	94	10615.67	5487.34	-5600.49	-255.47	5606.32	182.61	0.67	621341.4 E	459038.9 N
193	15936	89.5	181.3	94	10617.72	5579.74	-5694.44	-257.6	5700.27	182.59	1.6	621339.3 E	458944.9 N
194	16030	91.1	181.5	94	10617.23	5672.13	-5788.41	-259.9	5794.24	182.57	1.72	621337 E	458851 N
195	16124	92	181.2	94	10614.69	5764.5	-5882.35	-262.11	5888.19	182.55	1.01	621334.7 E	458757 N
196	16218	90.9	180.1	94	10612.31	5857.08	-5976.31	-263.17	5982.1	182.52	1.65	621333.7 E	458663.1 N
197	16311	89.5	179.1	93	10611.99	5948.97	-6069.31	-262.53	6074.98	182.48	1.85	621334.3 E	458570.1 N
198	16405	90.8	178.7	94	10611.74	6042.03	-6163.29	-260.72	6168.8	182.42	1.45	621336.1 E	458476.1 N
199	16499	90.7	178.2	94	10610.51	6135.18	-6257.24	-258.18	6262.57	182.36	0.54	621338.7 E	458382.1 N
200	16593	89.4	178.9	94	10610.43	6228.32	-6351.21	-255.8	6356.36	182.31	1.57	621341.1 E	458288.2 N
201	16687	89.8	179.1	94	10611.08	6321.35	-6445.19	-254.16	6450.2	182.26	0.48	621342.7 E	458194.2 N
202	16781	90	181	94	10611.25	6414.12	-6539.19	-254.24	6544.13	182.23	2.03	621342.6 E	458100.2 N
203	16874	90.1	181.2	93	10611.17	6505.62	-6632.17	-256.03	6637.11	182.21	0.24	621340.8 E	458007.2 N
204	16968	90.5	180.8	94	10610.67	6598.13	-6726.16	-257.67	6731.09	182.19	0.6	621339.2 E	457913.2 N
205	17062	90.8	180.1	94	10609.61	6690.79	-6820.15	-258.41	6825.04	182.17	0.81	621338.5 E	457819.2 N

206	17156	92.1	180.1	94	10607.23	6783.52	-6914.11	-258.57	6918.95	182.14	1.38	621338.3 E	457725.3 N	
207	17250	91.4	179.5	94	10604.36	6876.31	-7008.07	-258.24	7012.82	182.11	0.98	621338.6 E	457631.3 N	
208	17344	90.5	178.8	94	10602.8	6969.3	-7102.04	-256.85	7106.69	182.07	1.21	621340 E	457537.3 N	
209	17437	89.8	179.1	93	10602.56	7061.35	-7195.03	-255.14	7199.55	182.03	0.82	621341.7 E	457444.3 N	
210	17531	87.1	179.8	94	10605.1	7154.24	-7288.98	-254.24	7293.41	182	2.97	621342.6 E	457350.4 N	
211	17625	87.4	179.4	94	10609.61	7247.02	-7382.87	-253.59	7387.22	181.97	0.53	621343.3 E	457256.5 N	
212	17719	87.4	179.2	94	10613.87	7339.89	-7476.76	-252.44	7481.02	181.93	0.21	621344.4 E	457162.6 N	
213	17813	88.5	179.5	94	10617.24	7432.78	-7570.7	-251.37	7574.87	181.9	1.21	621345.5 E	457068.7 N	
214	17907	89.3	179.7	94	10619.04	7525.65	-7664.68	-250.72	7668.78	181.87	0.88	621346.1 E	456974.7 N	
215	18001	89.6	180.4	94	10619.94	7618.42	-7758.67	-250.8	7762.72	181.85	0.81	621346.1 E	456880.7 N	
216	18094	91.3	180.4	93	10619.21	7710.11	-7851.66	-251.45	7855.69	181.83	1.83	621345.4 E	456787.7 N	
217	18189	91.2	180.2	95	10617.14	7803.78	-7946.64	-251.95	7950.63	181.82	0.24	621344.9 E	456692.7 N	
218	18282	91.1	179.7	93	10615.27	7895.58	-8039.62	-251.86	8043.56	181.79	0.55	621345 E	456599.8 N	
219	18315	91.4	179.4	33	10614.55	7928.18	-8072.61	-251.6	8076.53	181.79	1.29	621345.3 E	456566.8 N	
220	18365	91.4	179.4	50	10613.33	7977.6	-8122.59	-251.08	8126.47	181.77	0	621345.8 E	456516.8 N	Projection