

30-0254470

DEC 21 2018

RECEIVED

Company:	Amerdev	North Reference:	Grid North	Calculation Method:	Minimum Curvature
Well:	State Red Bud Com 25-36-32-105H	Mag Declination:	6.69	Proposed Azimuth	359.18
AEP Job Number:	AEP 18140	Total Correction Used:	6.13	Depth Ref. (RKB Height)	27
Rig:	HP 616	Directional Driller:	Steve Loporto	Tie Into:	Assumed Vertical
Job Date:	8/11/2018	MWD Specialist:	Sean Stoner	Ground Level Elevation	3030

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth			
Tie in	0.00	0.00	0.00	0	0.00	0	0.00	N	0.00	W	0.00	0.00	0
1	161.00	1.00	143.50	161	160.99	-1.14	-1.13 S	0.84 E	1.40	143.50	0.62	0.62	89.13
2	279.00	0.10	93.60	118	278.99	-1.99	-1.96 S	1.55 E	2.50	141.70	0.80	-0.76	-42.29
3	395.00	0.40	3.20	116	394.98	-1.59	-1.57 S	1.67 E	2.29	133.07	0.36	0.26	-77.93
4	513.00	1.00	340.10	118	512.98	-0.21	-0.19 S	1.35 E	1.36	97.87	0.55	0.51	285.51
5	699.00	2.70	0.30	186	698.87	5.71	5.72 N	0.82 E	5.78	8.13	0.97	0.91	-182.69
6	886.00	3.00	10.00	187	885.64	14.92	14.94 N	1.69 E	15.04	6.45	0.30	0.16	5.19
7	1000.00	2.80	10.20	114	999.50	20.58	20.62 N	2.70 E	20.80	7.46	0.18	-0.18	0.18
8	1150.00	3.80	357.60	150	1149.25	29.15	29.20 N	3.14 E	29.36	6.14	0.82	0.67	231.60
9	1442.00	4.30	358.20	292	1440.52	49.77	49.80 N	2.39 E	49.86	2.75	0.17	0.17	0.21
10	1631.00	2.00	31.30	189	1629.23	59.64	59.71 N	3.88 E	59.83	3.72	1.50	-1.22	-172.96
11	1821.00	0.60	165.30	190	1819.20	61.49	61.58 N	5.86 E	61.86	5.44	1.29	-0.74	70.53
12	2010.00	2.00	164.80	189	2008.15	57.33	57.44 N	6.98 E	57.86	6.92	0.74	0.74	-0.26
13	2199.00	2.20	180.60	189	2197.02	50.51	50.63 N	7.80 E	51.23	8.76	0.32	0.11	8.36
14	2293.00	2.00	172.00	94	2290.96	47.08	47.20 N	8.01 E	47.87	9.63	0.40	-0.21	-9.15
15	2482.00	2.20	177.00	189	2479.83	40.18	40.31 N	8.66 E	41.23	12.13	0.14	0.11	2.65
16	2672.00	2.40	152.00	190	2669.68	33.00	33.16 N	10.72 E	34.85	17.92	0.53	0.11	-13.16
17	2861.00	4.10	167.10	189	2858.37	22.87	23.07 N	14.09 E	27.03	31.40	1.00	0.90	7.99
18	3050.00	4.70	161.00	189	3046.82	8.91	9.17 N	18.11 E	20.30	63.16	0.40	0.32	-3.23
19	3239.00	3.10	184.00	189	3235.38	-3.54	-3.25 S	20.28 E	20.54	99.11	1.17	-0.85	12.17
20	3428.00	2.50	178.20	189	3424.16	-12.76	-12.47 S	20.05 E	23.61	121.88	0.35	-0.32	-3.07
21	3617.00	2.50	179.30	189	3612.98	-21.00	-20.71 S	20.23 E	28.95	135.67	0.03	0.00	0.58
22	3806.00	2.60	152.70	189	3801.80	-28.96	-28.64 S	22.25 E	36.27	142.16	0.62	0.05	-14.07
23	3996.00	1.60	128.00	190	3991.67	-34.48	-34.11 S	26.32 E	43.08	142.35	0.70	-0.53	-13.00
24	4185.00	2.30	131.60	189	4180.56	-38.69	-38.25 S	31.23 E	49.38	140.77	0.38	0.37	1.90
25	4374.00	3.40	162.50	189	4369.34	-46.62	-46.11 S	35.75 E	58.35	142.21	0.98	0.58	16.35
26	4563.00	3.40	162.10	189	4558.00	-57.35	-56.79 S	39.16 E	68.98	145.41	0.01	0.00	-0.21
27	4752.00	2.80	162.50	189	4746.72	-67.13	-66.53 S	42.27 E	78.82	147.57	0.32	-0.32	0.21

Company: Amerdev
 Well: State Red Bud Com 25-36-32-105H
 AEP Job Number: AEP 18140
 Rig: HP 616
 Job Date: 8/11/2018

North Reference: Grid North
 Mag Declination: 6.69
 Total Correction Used: 6.13
 Directional Driller: Steve Lopoerto
 MWD Specialist: Sean Stoner

Calculation Method: Minimum Curvature
 Proposed Azimuth: 359.18
 Depth Ref. (RKB Height): 27
 Tie Into: Assumed Vertical
 Ground Level Elevation: 3030

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth			
28	4941.00	2.70	152.00	189	4935.51	-75.51	-74.86 S	45.75 E	87.73	148.57	0.27	-0.05	-5.56
29	5036.00	2.30	152.50	95	5030.42	-79.20	-78.53 S	47.68 E	91.87	148.73	0.42	-0.42	0.53
30	5129.00	1.90	152.00	93	5123.36	-82.24	-81.54 S	49.27 E	95.27	148.86	0.43	-0.43	-0.54
31	5318.00	3.90	172.20	189	5312.11	-91.41	-90.68 S	51.61 E	104.34	150.35	1.17	1.06	10.69
32	5507.00	4.00	172.70	189	5500.66	-104.34	-103.59 S	53.32 E	116.50	152.76	0.06	0.05	0.26
33	5696.00	2.30	160.90	189	5689.37	-114.49	-113.71 S	55.40 E	126.49	154.03	0.96	-0.90	-6.24
34	5885.00	1.20	166.70	189	5878.28	-120.02	-119.22 S	57.09 E	132.19	154.41	0.59	-0.58	3.07

ROBERT L. LEE

DEC 21 2018

RECEIVED

Company:	Amerdev	North Reference:	Grid North	Calculation Method:	Minimum Curvature
Well:	State Red Bud Com 25-36-32-105H	Mag Declination:	6.69	Proposed Azimuth	359.18
AEP Job Number:	AEP 18140	Total Correction Used:	6.13	Depth Ref. (RKB Height)	27
Rig:	HP 616	Directional Driller:	Steve Loporto	Tie Into:	Assumed Vertical
Job Date:	8/11/2018	MWD Specialist:	Sean Stoner	Ground Level Elevation	3030

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth			
35	6073.00	1.10	165.30	188	6066.24	-123.70	-122.88 S	58.00 E	135.88	154.73	0.06	-0.05	-0.74
36	6262.00	0.40	137.90	189	6255.22	-125.95	-125.12 S	58.91 E	138.30	154.79	0.41	-0.37	-14.50
37	6451.00	1.10	338.70	189	6444.21	-124.75	-123.92 S	58.69 E	137.12	154.66	0.78	0.37	106.24
38	6640.00	1.20	346.20	189	6633.18	-121.12	-120.31 S	57.56 E	133.37	154.43	0.10	0.05	3.97
39	6829.00	1.30	0.50	189	6822.13	-117.05	-116.25 S	57.11 E	129.52	153.84	0.17	0.05	-182.91
40	7018.00	1.30	11.60	189	7011.08	-112.81	-112.00 S	57.56 E	125.92	152.80	0.13	0.00	5.87
41	7207.00	1.50	354.20	189	7200.03	-108.26	-107.44 S	57.74 E	121.97	151.75	0.25	0.11	181.27
42	7396.00	2.30	269.10	189	7388.95	-105.80	-105.04 S	53.69 E	117.97	152.92	1.39	0.42	-45.03
43	7586.00	1.50	162.80	190	7578.89	-108.19	-107.47 S	50.62 E	118.80	154.78	1.62	-0.42	-55.95
44	7775.00	1.50	146.70	189	7767.82	-112.65	-111.91 S	52.71 E	123.70	154.78	0.22	0.00	-8.52
45	7964.00	1.10	115.50	189	7956.78	-115.54	-114.75 S	55.70 E	127.56	154.11	0.42	-0.21	-16.51
46	8153.00	1.30	101.70	189	8145.74	-116.81	-115.97 S	59.44 E	130.32	152.86	0.19	0.11	-7.30
47	8342.00	0.50	86.10	189	8334.71	-117.23	-116.35 S	62.36 E	132.01	151.81	0.44	-0.42	-8.25
48	8532.00	0.60	50.20	190	8524.70	-116.56	-115.66 S	63.95 E	132.16	151.06	0.19	0.05	-18.89
49	8705.00	0.70	57.50	173	8697.69	-115.43	-114.51 S	65.54 E	131.94	150.21	0.07	0.06	4.22
50	8911.00	0.80	90.10	206	8903.68	-114.80	-113.83 S	68.04 E	132.62	149.13	0.21	0.05	15.83
51	9100.00	1.10	88.50	189	9092.65	-114.80	-113.79 S	71.17 E	134.21	147.97	0.16	0.16	-0.85
52	9288.00	0.80	73.30	188	9280.62	-114.42	-113.36 S	74.23 E	135.51	146.78	0.21	-0.16	-8.09
53	9477.00	0.50	308.30	189	9469.62	-113.53	-112.47 S	74.85 E	135.10	146.36	0.61	-0.16	124.34
54	9667.00	1.80	302.20	190	9659.57	-111.38	-110.37 S	71.67 E	131.60	147.00	0.69	0.68	-3.21
55	9857.00	1.20	229.70	190	9849.52	-111.02	-110.07 S	67.63 E	129.18	148.43	0.97	-0.32	-38.16
56	10046.00	0.50	290.10	189	10038.50	-111.99	-111.06 S	65.35 E	128.86	149.53	0.55	-0.37	31.96
57	10236.00	0.70	4.20	190	10228.50	-110.54	-109.62 S	64.65 E	127.27	149.47	0.39	0.11	-150.47
58	10425.00	1.00	203.60	189	10417.49	-110.89	-109.98 S	64.08 E	127.29	149.77	0.89	0.16	105.50
59	10614.00	0.80	218.50	189	10606.47	-113.41	-112.52 S	62.60 E	128.76	150.91	0.16	-0.11	7.88
60	10803.00	1.20	283.20	189	10795.44	-113.95	-113.11 S	59.85 E	127.96	152.11	0.59	0.21	34.23
61	10857.00	0.90	287.10	54	10849.43	-113.68	-112.85 S	58.89 E	127.29	152.44	0.57	-0.56	7.22
62	10968.00	0.70	324.21	111	10960.42	-112.86	-112.05 S	57.66 E	126.01	152.77	0.49	-0.18	33.43

Company:	<u>Amerdev</u>	North Reference:	<u>Grid North</u>	Calculation Method:	<u>Minimum Curvature</u>
Well:	<u>State Red Bud Com 25-36-32-105H</u>	Mag Declination:	<u>6.69</u>	Proposed Azimuth	<u>359.18</u>
AEP Job Number:	<u>AEP 18140</u>	Total Correction Used:	<u>6.13</u>	Depth Ref. (RKB Height)	<u>27</u>
Rlg:	<u>HP 616</u>	Directional Driller:	<u>Steve Loporto</u>	Tie Into:	<u>Assumed Vertical</u>
Job Date:	<u>8/11/2018</u>	MWD Specialist:	<u>Sean Stoner</u>	Ground Level Elevation	<u>3030</u>

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth			
63	11000.00	2.15	0.33	32	10992.41	-112.10	-111.29 S	57.55 E	125.29	152.65	5.12	4.53	-1012.13
64	11031.00	5.23	6.39	31	11023.34	-110.12	-109.30 S	57.71 E	123.60	152.17	10.00	9.94	19.55
65	11063.00	8.66	6.22	32	11055.10	-106.28	-105.45 S	58.14 E	120.42	151.13	10.72	10.72	-0.53
66	11094.00	11.69	3.58	31	11085.61	-100.83	-100.00 S	58.59 E	115.90	149.64	9.89	9.77	-8.52
67	11126.00	15.56	1.65	32	11116.71	-93.30	-92.47 S	58.91 E	109.64	147.50	12.18	12.09	-6.03
68	11157.00	19.03	1.91	31	11146.30	-84.10	-83.26 S	59.20 E	102.16	144.59	11.20	11.19	0.84
69	11189.00	22.95	3.58	32	11176.17	-72.66	-71.82 S	59.76 E	93.43	140.23	12.39	12.25	5.22
70	11220.00	26.77	5.16	31	11204.29	-59.69	-58.82 S	60.77 E	84.58	134.07	12.51	12.32	5.10
71	11252.00	30.86	4.81	32	11232.33	-44.35	-43.46 S	62.11 E	75.80	124.99	12.79	12.78	-1.09
72	11283.00	34.33	3.41	31	11258.44	-27.71	-26.81 S	63.29 E	68.74	112.96	11.45	11.19	-4.52
73	11315.00	38.42	1.56	32	11284.20	-8.77	-7.85 S	64.10 E	64.58	96.99	13.23	12.78	-5.78
74	11346.00	42.59	0.86	31	11307.77	11.35	12.27 N	64.52 E	65.68	79.23	13.53	13.45	-2.26
75	11378.00	45.93	0.33	32	11330.68	33.67	34.60 N	64.75 E	73.41	61.88	10.50	10.44	-1.66
76	11409.00	49.80	359.19	31	11351.47	56.65	57.58 N	64.65 E	86.57	48.31	12.78	12.48	1157.61
77	11441.00	53.27	356.37	32	11371.38	81.69	82.61 N	63.66 E	104.29	37.62	12.85	10.84	-8.81
78	11472.00	56.57	356.11	31	11389.19	107.02	107.92 N	62.00 E	124.46	29.88	10.67	10.65	-0.84
79	11504.00	59.91	355.67	32	11406.03	134.18	135.06 N	60.04 E	147.80	23.97	10.50	10.44	-1.37
80	11536.00	64.18	355.67	32	11421.03	162.39	163.24 N	57.91 E	173.20	19.53	13.34	13.34	0.00
81	11567.00	67.87	356.20	31	11433.63	190.67	191.48 N	55.91 E	199.48	16.28	12.01	11.90	1.71
82	11599.00	71.38	356.37	32	11444.77	220.62	221.42 N	53.96 E	227.90	13.70	10.98	10.97	0.53
83	11630.00	75.82	356.55	31	11453.52	250.32	251.09 N	52.13 E	256.44	11.73	14.33	14.32	0.58
84	11662.00	79.69	356.81	32	11460.30	281.55	282.30 N	50.32 E	286.75	10.11	12.12	12.09	0.81
85	11693.00	83.38	356.99	31	11464.86	312.19	312.92 N	48.66 E	316.68	8.84	11.92	11.90	0.58
86	11725.00	87.34	357.43	32	11467.45	344.06	344.77 N	47.11 E	347.97	7.78	12.45	12.38	1.37
87	11756.00	89.58	356.64	31	11468.29	375.02	375.71 N	45.50 E	378.46	6.91	7.66	7.23	-2.55
88	11788.00	91.43	353.30	32	11468.00	406.93	407.58 N	42.70 E	409.81	5.98	11.93	5.78	-10.44
89	11819.00	92.66	351.89	31	11466.90	437.70	438.30 N	38.71 E	440.01	5.05	6.03	3.97	-4.55
90	11851.00	92.31	351.45	32	11465.51	469.40	469.93 N	34.08 E	471.17	4.15	1.76	-1.09	-1.37

Company:	Amerdev	North Reference:	Grid North	Calculation Method:	Minimum Curvature
Well:	State Red Bud Com 25-36-32-105H	Mag Declination:	6.69	Proposed Azimuth	359.18
AEP Job Number:	AEP 18140	Total Correction Used:	6.13	Depth Ref. (RKB Height)	27
Rig:	HP 616	Directional Driller:	Steve Loporto	Tie Into:	Assumed Vertical
Job Date:	8/11/2018	MWD Specialist:	Sean Stoner	Ground Level Elevation	3030

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth			
91	11945.00	93.36	350.75	94	11460.86	562.35	562.69 N	19.55 E	563.03	1.99	1.34	1.12	-0.74
92	12040.00	93.32	349.61	95	11455.33	656.02	656.13 N	3.38 E	656.14	0.29	1.20	-0.04	-1.20
93	12135.00	93.76	350.40	95	11449.46	749.62	749.51 N	-13.08 W	749.63	359.00	0.95	0.46	0.83
94	12229.00	93.98	351.80	94	11443.11	842.48	842.17 N	-27.59 W	842.62	358.12	1.50	0.23	1.49
95	12324.00	93.80	352.95	95	11436.67	936.59	936.11 N	-40.17 W	936.97	357.54	1.22	-0.19	1.21
96	12418.00	94.02	356.02	94	11430.26	1030.04	1029.44 N	-49.18 W	1030.62	357.26	3.27	0.23	3.27
97	12513.00	95.82	355.23	95	11422.11	1124.51	1123.81 N	-56.40 W	1125.23	357.13	2.07	1.89	-0.83
98	12607.00	97.19	356.46	94	11411.46	1217.74	1216.96 N	-63.17 W	1218.60	357.03	1.95	1.46	1.31
99	12702.00	97.01	357.69	95	11399.72	1311.94	1311.11 N	-67.98 W	1312.87	357.03	1.30	-0.19	1.29
100	12797.00	96.92	357.43	95	11388.20	1406.21	1405.32 N	-71.99 W	1407.16	357.07	0.29	-0.09	-0.27
101	12891.00	96.92	357.87	94	11376.87	1499.49	1498.56 N	-75.82 W	1500.47	357.10	0.46	0.00	0.47
102	12986.00	96.26	359.71	95	11365.97	1593.85	1592.90 N	-77.81 W	1594.80	357.20	2.05	-0.69	1.94
103	13080.00	94.59	359.80	94	11357.08	1687.42	1686.48 N	-78.21 W	1688.29	357.34	1.78	-1.78	0.10
104	13175.00	94.20	359.98	95	11349.80	1782.14	1781.20 N	-78.39 W	1782.92	357.48	0.45	-0.41	0.19
105	13269.00	93.89	359.80	94	11343.17	1875.90	1874.96 N	-78.57 W	1876.61	357.60	0.38	-0.33	-0.19
106	13364.00	93.93	359.71	95	11336.69	1970.67	1969.74 N	-78.98 W	1971.32	357.70	0.10	0.04	-0.09
107	13459.00	93.76	359.45	95	11330.32	2065.45	2064.52 N	-79.67 W	2066.06	357.79	0.33	-0.18	-0.27
108	13553.00	93.89	0.07	94	11324.05	2159.24	2158.31 N	-80.06 W	2159.80	357.88	0.67	0.14	-382.32
109	13648.00	93.80	0.33	95	11317.68	2254.01	2253.10 N	-79.73 W	2254.51	357.97	0.29	-0.09	0.27
110	13742.00	95.52	0.33	94	11310.05	2347.68	2346.78 N	-79.19 W	2348.12	358.07	1.83	1.83	0.00
111	13837.00	97.10	359.98	95	11299.61	2442.08	2441.20 N	-78.94 W	2442.48	358.15	1.70	1.66	378.58
112	13931.00	96.66	359.80	94	11288.35	2535.40	2534.53 N	-79.12 W	2535.76	358.21	0.51	-0.47	-0.19
113	14026.00	96.92	359.71	95	11277.11	2629.73	2628.86 N	-79.52 W	2630.06	358.27	0.29	0.27	-0.09
114	14120.00	96.92	359.63	94	11265.79	2723.04	2722.17 N	-80.06 W	2723.35	358.32	0.08	0.00	-0.09
115	14215.00	97.01	0.07	95	11254.27	2817.33	2816.47 N	-80.30 W	2817.62	358.37	0.47	0.09	-378.48
116	14309.00	96.92	0.24	94	11242.87	2910.63	2909.78 N	-80.05 W	2910.88	358.42	0.20	-0.10	0.18
117	14404.00	96.84	359.89	95	11231.49	3004.93	3004.09 N	-79.94 W	3005.16	358.48	0.38	-0.08	378.58
118	14498.00	97.05	359.89	94	11220.12	3098.23	3097.40 N	-80.12 W	3098.44	358.52	0.22	0.22	0.00

Company: Amerdev
Well: State Red Bud Com 25-36-32-105H
AEP Job Number: AEP 18140
Rig: HP 616
Job Date: 8/11/2018

North Reference: Grid North
Mag Declination: 6.69
Total Correction Used: 6.13
Directional Driller: Steve Loporto
MWD Specialist: Sean Stoner

Calculation Method: Minimum Curvature
Proposed Azimuth 359.18
Depth Ref. (RKB Height) 27
Tie Into: Assumed Vertical
Ground Level Elevation 3030

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth			
119	14593.00	96.92	359.80	95	11208.57	3192.52	3191.70 N	-80.38 W	3192.71	358.56	0.17	-0.14	-0.09
120	14688.00	96.97	0.15	95	11197.08	3286.81	3286.00 N	-80.42 W	3286.98	358.60	0.37	0.05	-378.58
121	14782.00	96.92	359.89	94	11185.72	3380.12	3379.31 N	-80.39 W	3380.27	358.64	0.28	-0.05	382.70
122	14877.00	97.01	359.80	95	11174.20	3474.41	3473.61 N	-80.64 W	3474.55	358.67	0.13	0.09	-0.09
123	14971.00	96.97	359.98	94	11162.76	3567.70	3566.91 N	-80.82 W	3567.83	358.70	0.19	-0.04	0.19
124	15066.00	96.92	0.42	95	11151.27	3661.99	3661.21 N	-80.49 W	3662.10	358.74	0.46	-0.05	-378.48
125	15160.00	97.05	359.54	94	11139.84	3755.28	3754.51 N	-80.52 W	3755.38	358.77	0.94	0.14	382.04
126	15255.00	97.19	358.57	95	11128.06	3849.55	3848.77 N	-82.08 W	3849.64	358.78	1.02	0.15	-1.02
127	15349.00	97.01	358.22	94	11116.44	3942.82	3942.01 N	-84.69 W	3942.92	358.77	0.42	-0.19	-0.37
128	15444.00	96.97	358.31	95	11104.88	4037.10	4036.26 N	-87.55 W	4037.21	358.76	0.10	-0.04	0.09
129	15538.00	97.01	358.75	94	11093.44	4130.39	4129.53 N	-89.94 W	4130.51	358.75	0.47	0.04	0.47
130	15633.00	96.97	358.31	95	11081.88	4224.68	4223.79 N	-92.36 W	4224.80	358.75	0.46	-0.04	-0.46