

Job:	DINO JUICE 18-40-45 WB No. 1H (Job #16471)
Declination:	6.41°, This value was ADDED to the magnetic azimuth values sent by the tool to arrive at the Survey Azimuth values shown below.
Job Notes:	Transcend Rig 4 DINO JUICE 18-40-45 WB No. 1H Corrected to ground level and true north
Created On:	04 Jun 2021 at 21:05:14
File Contents:	57 Total Surveys in File. 40 are tagged as Accepted

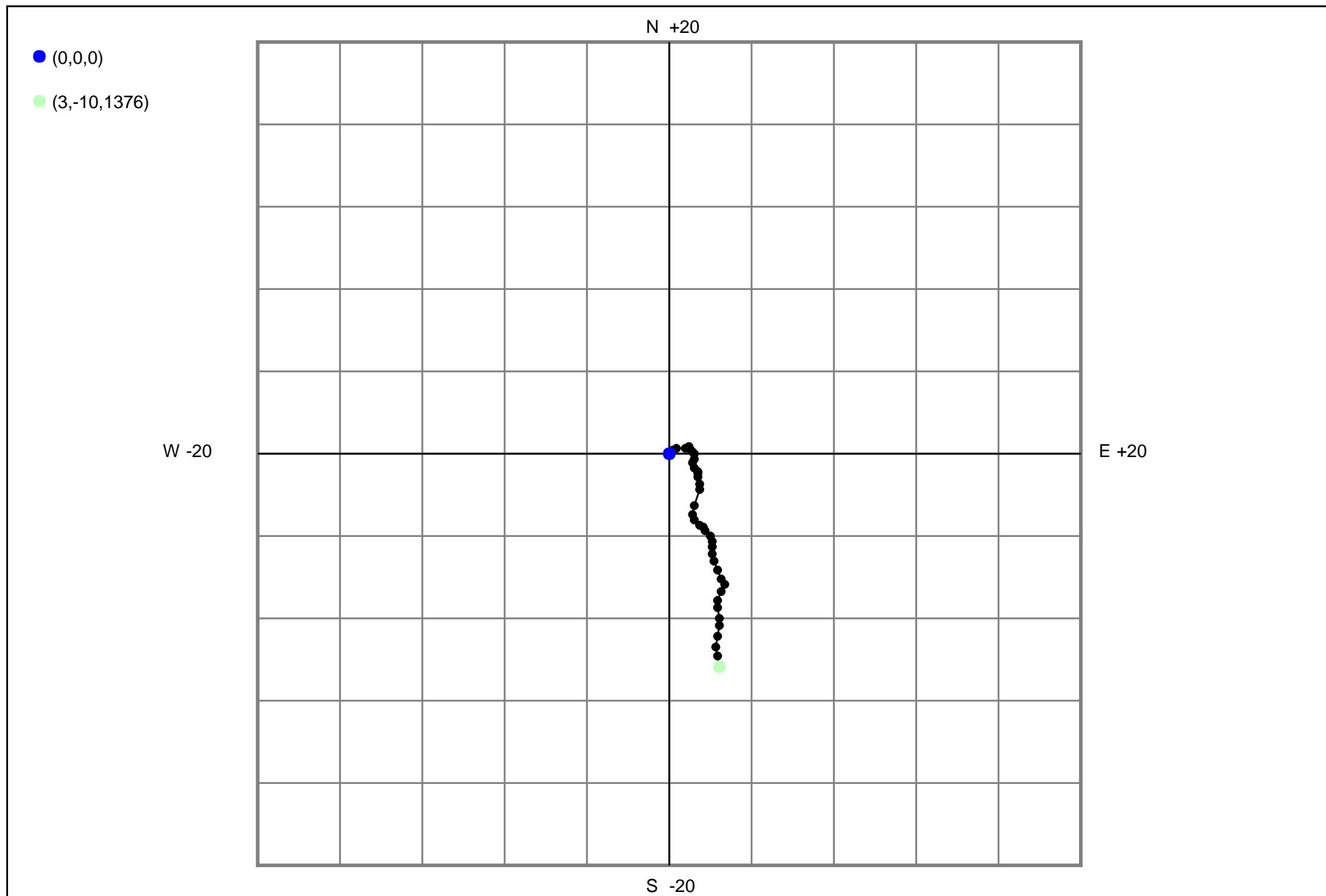
The Vertical Depth and Departure values below were calculated using the Minimum Curvature Model. This information is intended for reference purposes ONLY. It is NOT intended to replace professional oversight or sound judgement. For more detail on the data and algorithms used to compute this information, contact INVICTUS TOOLS.

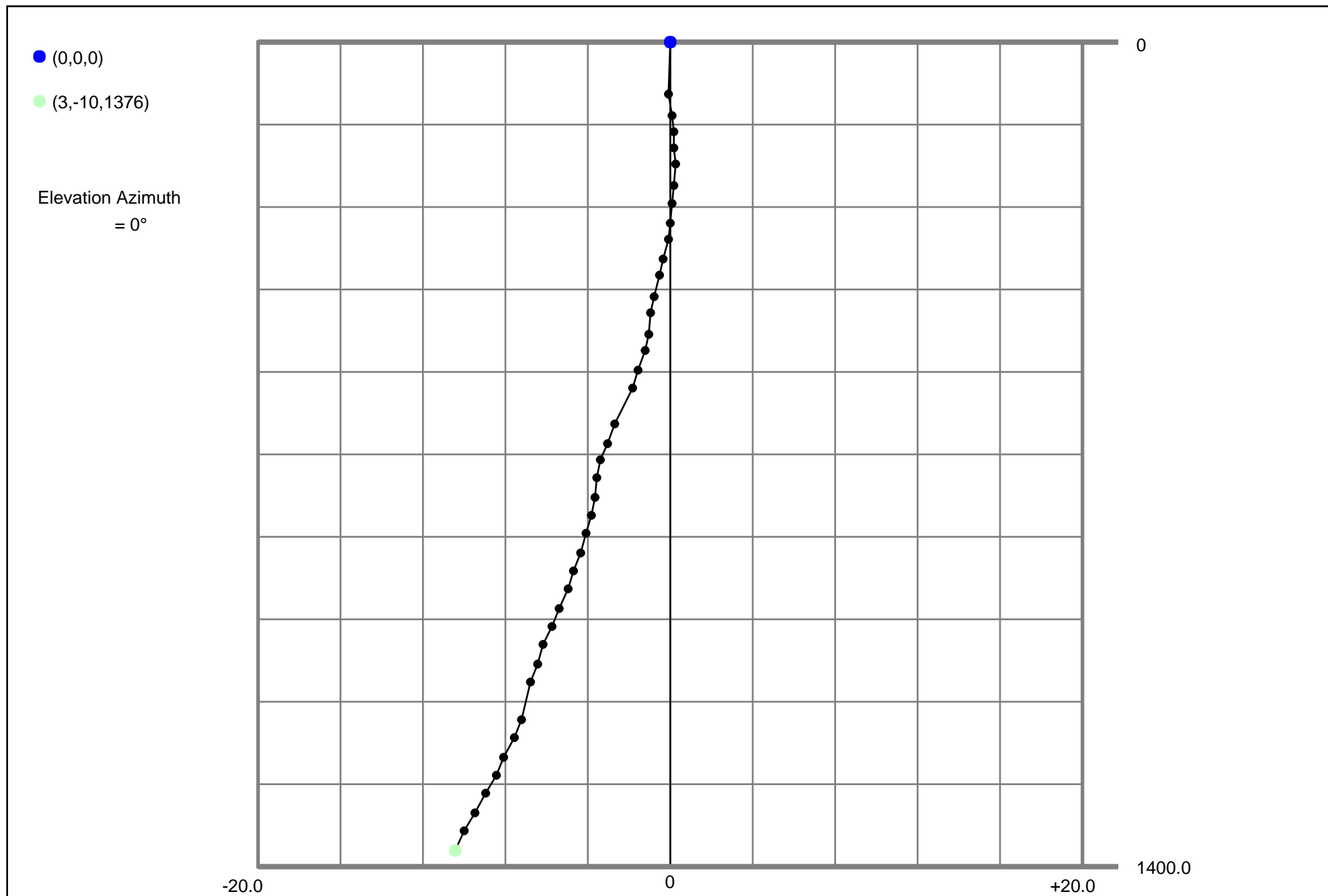
REPORT OF ALL ACCEPTED SURVEYS SORTED BY SURVEY DEPTH

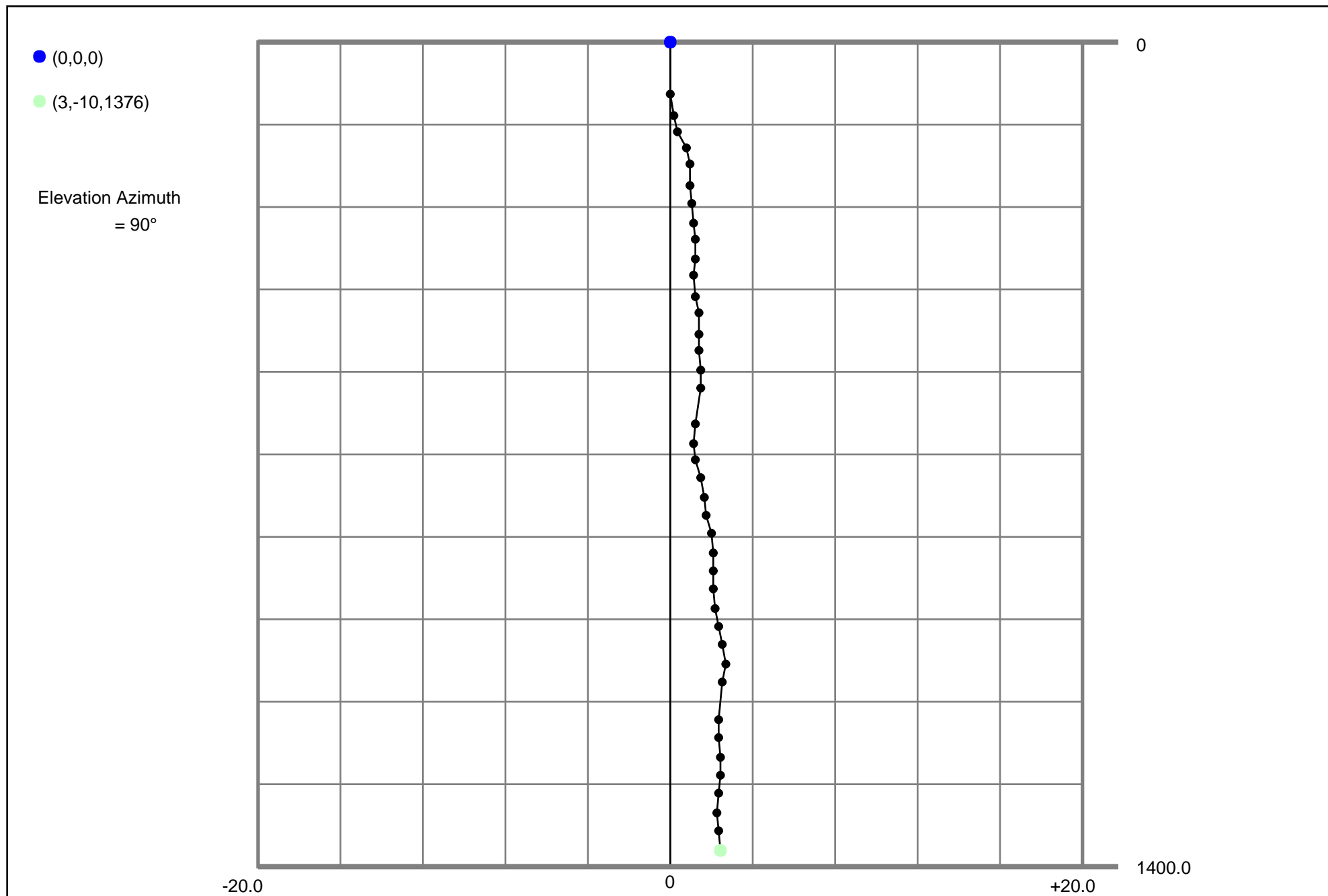
SURVEY DEPTH	SURVEY ANGLE	SURVEY AZIMUTH	VERT DEPTH	N-S DEPART	E-W DEPART	TGF	TMF	DIP ANGLE	SURVEY #	SURVEY TYPE	SURVEY DATE & TIME
0.0	0.00	0.00	0.00	0.0	0.0	0.000	0.000	0.0	0	Tie-In	04 Jun 2021 21:23
90.0	0.10	99.41	90.00	0.0	0.1	1.000	0.704	70.5	3	Survey	05 Jun 2021 21:34
124.0	0.60	39.41	124.00	0.1	0.2	1.000	0.700	69.5	4	Survey	05 Jun 2021 22:15
152.0	0.70	91.41	152.00	0.2	0.5	1.000	0.700	70.5	5	Survey	05 Jun 2021 22:45
180.0	0.70	66.41	180.00	0.3	0.8	0.998	0.696	70.0	6	Survey	05 Jun 2021 23:24
210.0	0.10	96.41	209.99	0.4	1.0	1.000	0.700	69.5	8	Survey	06 Jun 2021 11:51
242.0	0.40	159.41	241.99	0.3	1.1	1.000	0.700	70.0	9	Survey	06 Jun 2021 12:39
274.0	0.10	165.41	273.99	0.1	1.1	1.000	0.700	69.5	10	Survey	06 Jun 2021 13:15
305.0	0.40	97.41	304.99	0.1	1.2	1.000	0.696	70.0	11	Survey	06 Jun 2021 13:55

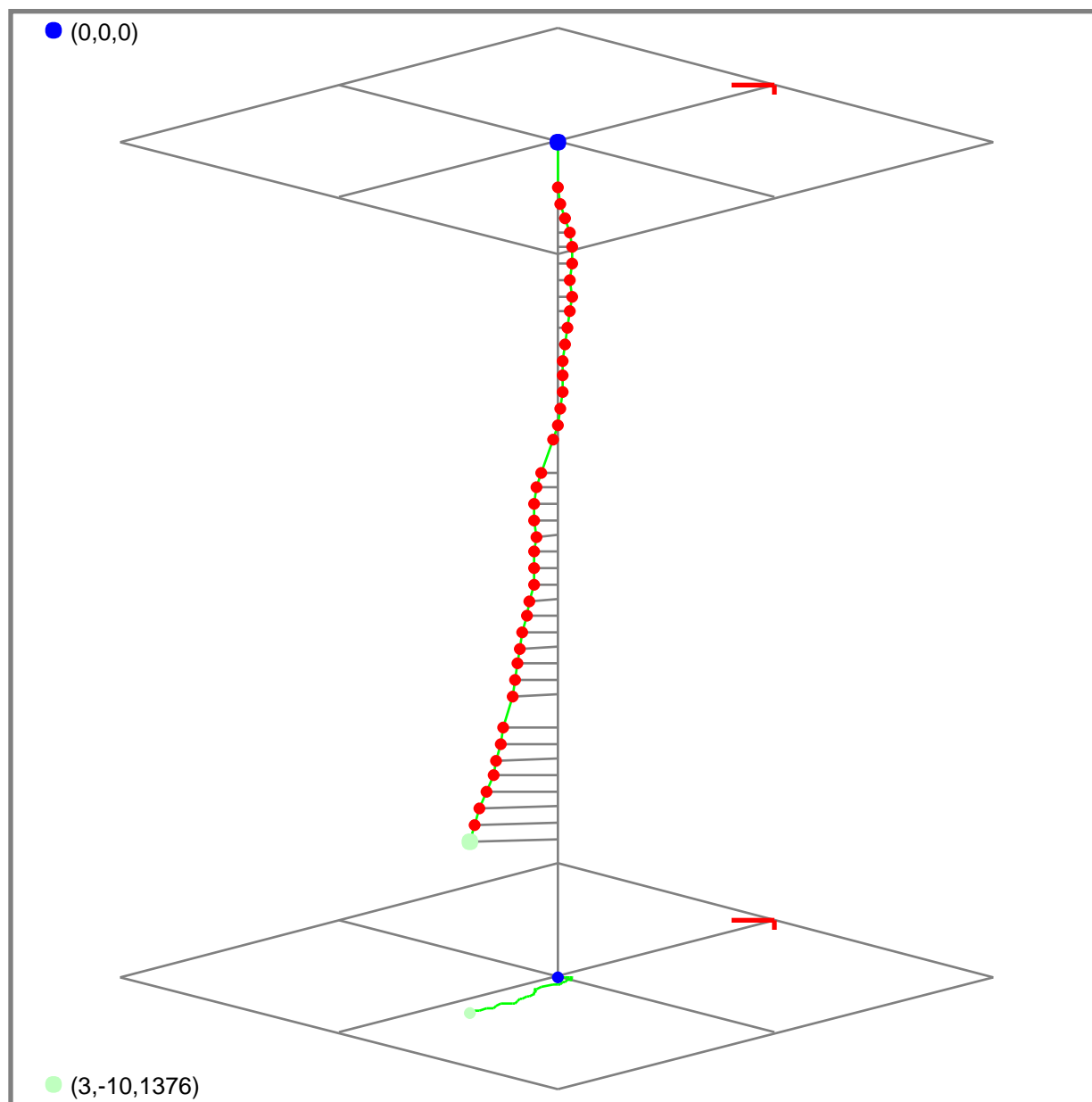
SURVEY DEPTH	SURVEY ANGLE	SURVEY AZIMUTH	VERT DEPTH	N-S DEPART	E-W DEPART	TGF	TMF	DIP ANGLE	SURVEY #	TYPE	SURVEY DATE & TIME		
336.0	0.60	164.41	335.99	-0.1	1.4	1.000	0.696	70.5	12	Survey	06 Jun 2021	14:41	
368.0	0.60	224.41	367.99	-0.4	1.3	0.998	0.700	70.0	13	Survey	06 Jun 2021	15:24	
399.0	0.30	117.41	398.99	-0.5	1.3	0.998	0.696	70.0	14	Survey	06 Jun 2021	16:16	
431.0	0.60	171.41	430.99	-0.7	1.4	1.000	0.696	70.5	15	Survey	06 Jun 2021	17:03	
462.0	0.10	142.41	461.99	-0.9	1.4	0.998	0.696	69.5	16	Survey	06 Jun 2021	17:51	
494.0	0.40	144.41	493.99	-1.0	1.5	1.000	0.696	70.0	17	Survey	06 Jun 2021	18:33	
525.0	0.50	206.41	524.99	-1.2	1.5	1.000	0.700	69.5	18	Survey	06 Jun 2021	19:16	
557.0	0.60	154.41	556.99	-1.5	1.5	1.000	0.696	70.5	19	Survey	06 Jun 2021	20:05	
588.0	0.70	199.41	587.98	-1.8	1.5	1.000	0.700	70.0	21	Survey	06 Jun 2021	21:24	
651.0	0.80	190.41	650.98	-2.6	1.3	0.998	0.700	70.0	22	Survey	06 Jun 2021	22:08	
682.0	0.80	181.41	681.98	-3.1	1.3	1.000	0.700	70.0	23	Survey	06 Jun 2021	22:44	
714.0	0.50	125.41	713.97	-3.4	1.4	1.000	0.696	70.0	24	Survey	06 Jun 2021	23:26	
745.0	0.30	151.41	744.97	-3.5	1.5	1.000	0.696	70.0	25	Survey	07 Jun 2021	00:02	
777.0	0.60	118.41	776.97	-3.7	1.7	0.998	0.696	70.0	26	Survey	07 Jun 2021	00:35	
808.0	0.50	190.41	807.97	-3.9	1.8	1.000	0.700	69.5	27	Survey	07 Jun 2021	02:17	
840.0	0.80	113.41	839.97	-4.1	2.0	1.000	0.696	70.0	28	Survey	07 Jun 2021	03:43	
871.0	0.50	182.41	870.97	-4.3	2.2	1.000	0.700	69.5	29	Survey	07 Jun 2021	05:51	
903.0	0.70	182.41	902.97	-4.7	2.2	1.000	0.700	70.0	30	Survey	07 Jun 2021	07:40	
934.0	0.50	183.41	933.97	-5.0	2.2	1.000	0.700	69.5	31	Survey	07 Jun 2021	08:31	
965.0	0.90	150.41	964.96	-5.3	2.3	1.000	0.696	70.5	33	Survey	07 Jun 2021	10:23	
997.0	0.90	161.41	996.96	-5.8	2.5	1.000	0.696	70.5	37	Survey	07 Jun 2021	12:33	
1028.0	0.80	146.41	1027.96	-6.2	2.7	1.000	0.696	70.5	38	Survey	07 Jun 2021	13:20	
1060.0	0.40	198.41	1059.95	-6.5	2.8	1.000	0.700	69.5	39	Survey	07 Jun 2021	14:02	
1091.0	0.60	209.41	1090.95	-6.7	2.7	0.998	0.700	69.5	40	Survey	07 Jun 2021	14:41	
1154.0	0.40	200.41	1153.95	-7.2	2.4	1.000	0.700	69.5	42	Survey	07 Jun 2021	16:21	
1185.0	0.90	172.41	1184.95	-7.6	2.4	1.000	0.696	70.5	43	Survey	07 Jun 2021	17:11	

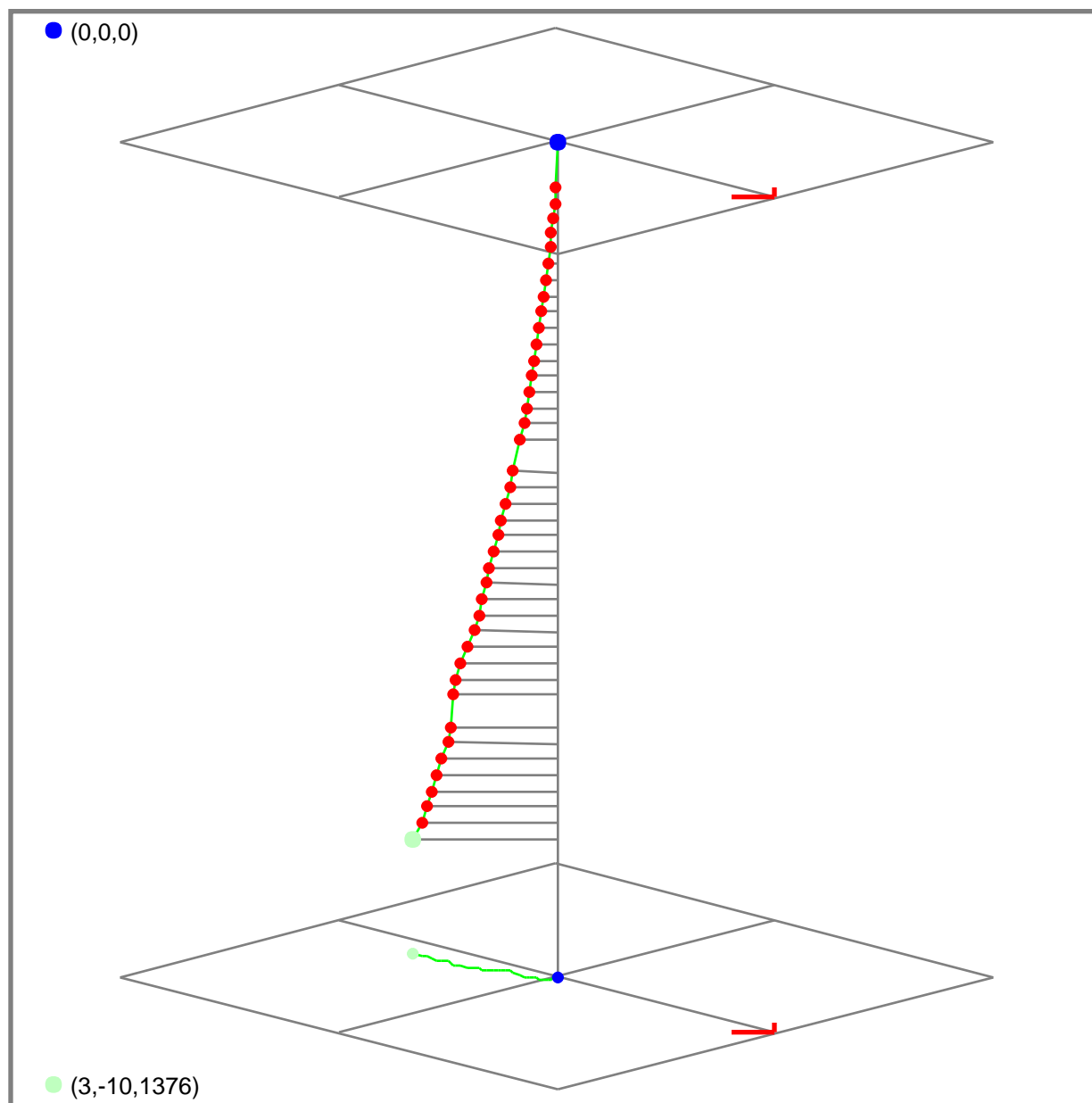
SURVEY DEPTH	SURVEY ANGLE	SURVEY AZIMUTH	VERT DEPTH	N-S DEPART	E-W DEPART	TGF	TMF	DIP ANGLE	SURVEY #	TYPE	SURVEY DATE & TIME		
1217.0	0.80	154.41	1216.95	-8.0	2.5	1.000	0.696	70.5	44	Survey	07 Jun 2021	17:47	
1248.0	0.80	196.41	1247.94	-8.4	2.6	1.000	0.700	70.0	46	Survey	07 Jun 2021	20:20	
1280.0	1.00	190.41	1279.94	-8.9	2.5	1.000	0.700	70.0	48	Survey	07 Jun 2021	21:03	
1311.0	1.00	185.41	1310.93	-9.4	2.4	1.000	0.700	70.0	51	Survey	07 Jun 2021	22:23	
1342.0	0.80	153.41	1341.93	-9.9	2.5	-----	-----	-----	53	Survey	08 Jun 2021	00:14	
1376.0	1.20	176.41	1375.93	-10.5	2.6	1.000	0.700	70.0	56	Survey	08 Jun 2021	01:21	

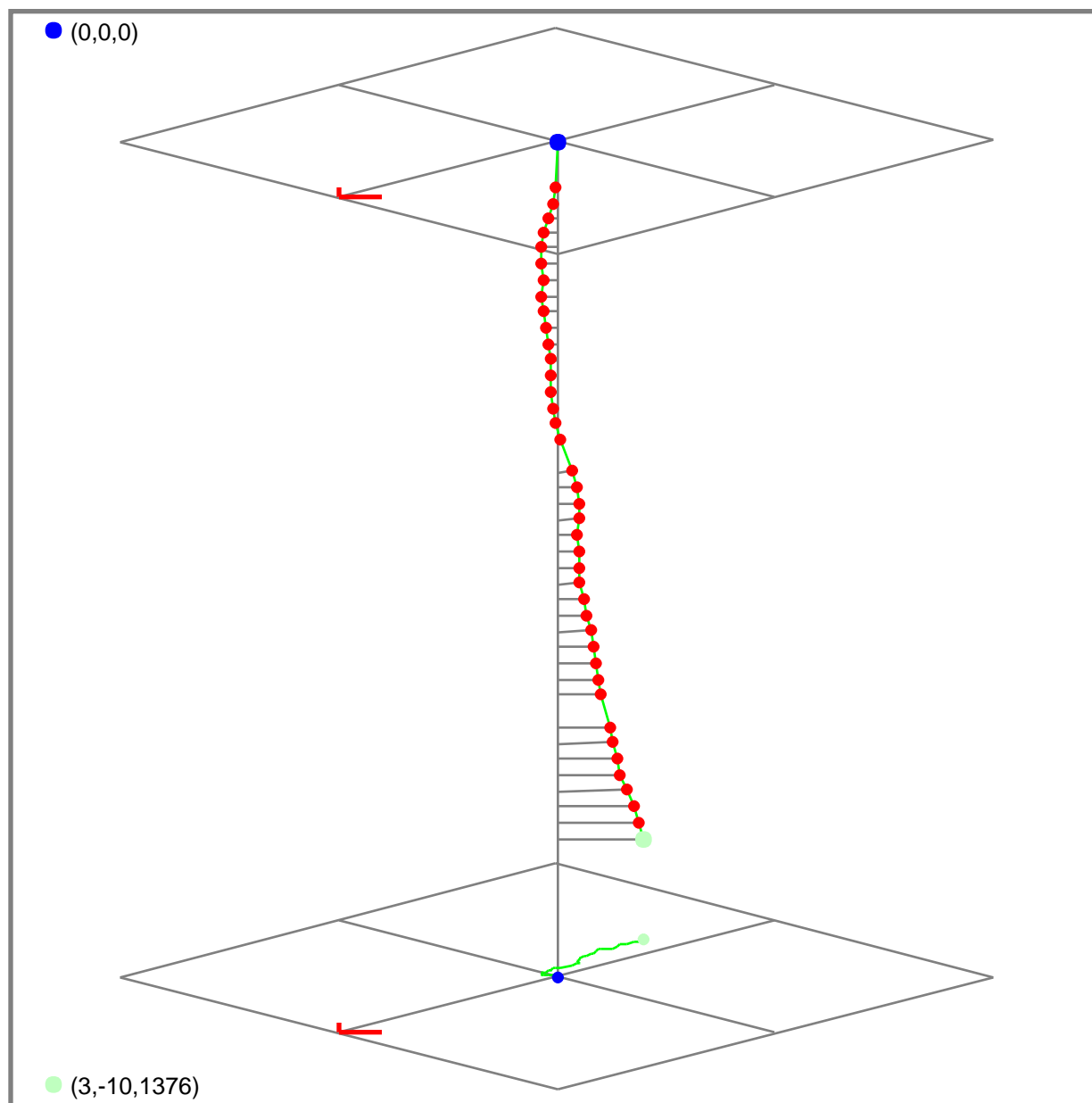


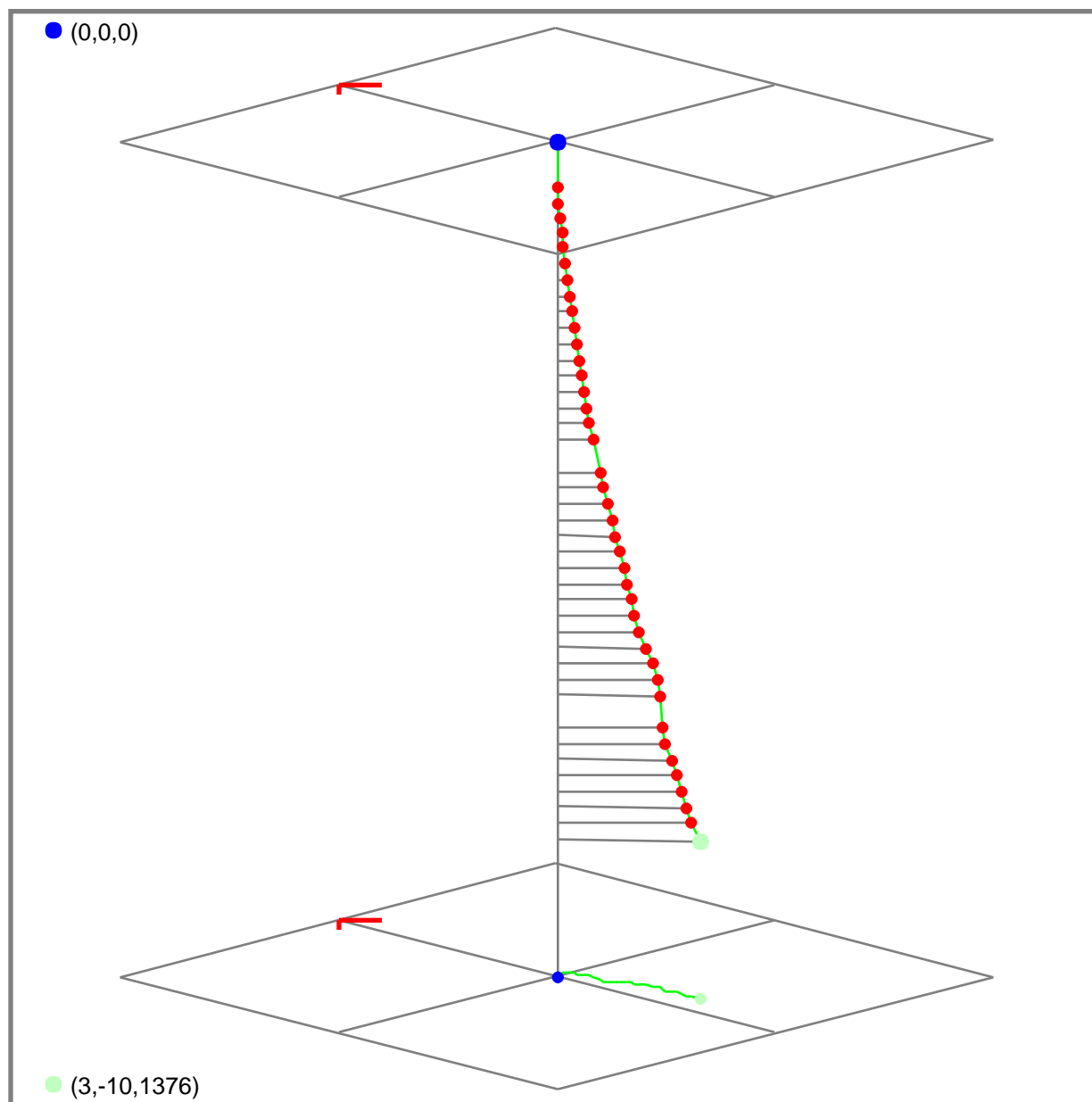














Invictus Tools LLC
501 Winscott Rd
Benbrook, TX 76126

Aug 25, 2021

State of TX

Ward County, TX

I, A. Hurt, certify that: I represent Invictus Tools, LLC; that I did on the day(s) of 06/05/2021 through 06/08/2021 conduct or supervise the taking of MWD surveys from a depth of 90.0 feet measured depth to a depth of 1376.0 feet measured depth; that the data is true, correct, complete, and within the limitations of the tool as set forth by Invictus Tools LLC; that I am authorized and qualified to make this report; that the survey was conducted at the request of Transcend Drilling for the UL DINO JUICE 18-40-45 WB No. 1H Lease (API 42-475-38203), drilled by Transcend 4 in Ward County, Texas and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Invictus Tools LLC.

A. Hurt
Invictus Tools LLC



DrilTech, LLC

MWD Survey Report

Job No: M-2021-154-MSDT-TX

Operator: **Point Energy Partners Petro, LLC**
Well Name: **UL Dino Juice 18-40-45 WB1 #3H**
Location: **Ward Co., TX**
Rig: **Precision 582**
Directional Drilling Co: **MS Directional**
Well API #: **42-475-38203**
Tie Into: **Invictus Wildfire MWD Surveys**
Tie-In Date: **7/25/2021**
Date Completed: **8/15/2021**

Reference Coordinates: LAT:

31	°	36	'	29.5110	"	N
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LON:

103	°	20	'	28.0230	"	W
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Reference Grid Coordinates: X: **1063747.42 (ft)**
Y: **718779.06 (ft)**

Reference Datum: **NAD 27**
Zone: **Texas Central**
Coordinate System: **State Plane - Lambert Projection**

Survey Vertical Reference: **27.00 (ft)** Rotary Table to Ground Level
Elevation: **2844.00 (ft)** Ground Level to Mean Sea Level
Vertical Section Plane: **163.71 (deg)**

North Alignment: **Grid North**

<u>Magnetic Data</u>	<u>Section 1</u>	<u>Section 2</u>	<u>Section 3</u>	<u>Section 4</u>
Magnetic Declination (deg)	6.78			
Grid (deg)	1.55			
TOTAL CORRECTION (deg)	8.22			
Depth Start (MD Ft)	1403.00			
Depth End (MD Ft)	13399.00			

REMARKS:

Drilled to 13,460 ft MD. DrilTech, LLC MWD will not be utilized for the curve and lateral.
Invictus Wildfire MWD survey azimuths adjusted from a True North reference to a Grid North reference by MS Directional.

DrilTech, LLC MWD Survey Report



Company: Point Energy Partners Petro, LLC
 Well: UL Dino Juice 18-40-45 WB1 #3H
 Location: Ward Co., TX
 Rig: Precision 582

Job Number: M-2021-154-MSDT-TX
 Vertical Section Plane: 163.71
 Well API Number: 42-475-38203
 Tie Into: Invictus Wildfire MWD Surveys

All Azimuths
 Corrected To: **Grid North**

Calculation Method: Minimum Curvature

Survey #	Survey Tool Type	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)	Angle (deg)			
Tie In	MWD	1403.00	1.20	177.96	0.00	1402.92	0.00	10.54 S	2.30 E	0.00	0.00	0.00	0.00	0.00
1	MWD	1489.00	0.62	150.98	86	1488.91	12.09	11.85 S	2.56 E	12.12	167.82	0.82	-0.67	-31.37
2	MWD	1552.00	0.00	307.77	63	1551.91	12.42	12.14 S	2.72 E	12.45	167.36	0.98	-0.98	248.87
3	MWD	1679.00	0.00	262.60	127	1678.91	12.42	12.14 S	2.72 E	12.45	167.36	0.00	0.00	-35.57
4	MWD	1773.00	0.00	263.04	94	1772.91	12.42	12.14 S	2.72 E	12.45	167.36	0.00	0.00	0.47
5	MWD	1868.00	0.26	48.94	95	1867.91	12.33	12.00 S	2.89 E	12.35	166.48	0.27	0.27	153.58
6	MWD	1963.00	2.37	68.45	95	1962.88	12.06	11.14 S	4.88 E	12.16	156.36	2.24	2.22	20.54
7	MWD	2057.00	4.48	63.96	94	2056.70	11.26	8.81 S	9.98 E	13.32	131.44	2.26	2.24	-4.78
8	MWD	2152.00	5.72	45.07	95	2151.33	8.36	3.84 S	16.67 E	17.11	102.98	2.18	1.31	-19.88
9	MWD	2246.00	6.68	31.88	94	2244.79	2.47	4.11 N	22.87 E	23.24	79.81	1.82	1.02	-14.03
10	MWD	2340.00	7.65	28.90	94	2338.05	-5.59	14.23 N	28.78 E	32.11	63.69	1.10	1.03	-3.17
11	MWD	2434.00	8.62	35.05	94	2431.11	-14.40	25.48 N	35.85 E	43.98	54.60	1.38	1.03	6.54
12	MWD	2529.00	8.97	31.80	95	2524.99	-23.79	37.60 N	43.84 E	57.76	49.39	0.64	0.37	-3.42
13	MWD	2624.00	9.76	25.12	95	2618.73	-34.78	51.18 N	51.17 E	72.37	44.99	1.41	0.83	-7.03
14	MWD	2718.00	10.64	21.25	94	2711.24	-47.63	66.49 N	57.69 E	88.03	40.95	1.19	0.94	-4.12
15	MWD	2812.00	11.61	21.16	94	2803.47	-62.02	83.40 N	64.25 E	105.28	37.61	1.03	1.03	-0.10
16	MWD	2907.00	12.22	22.83	95	2896.43	-77.41	101.58 N	71.61 E	124.28	35.18	0.74	0.64	1.76
17	MWD	3002.00	12.22	21.34	95	2989.27	-93.18	120.21 N	79.17 E	143.93	33.37	0.33	0.00	-1.57
18	MWD	3097.00	12.40	21.34	95	3082.09	-109.22	139.07 N	86.54 E	163.80	31.89	0.19	0.19	0.00
19	MWD	3191.00	12.57	20.20	94	3173.87	-125.43	158.07 N	93.74 E	183.78	30.67	0.32	0.18	-1.21
20	MWD	3286.00	11.96	20.55	95	3266.70	-141.62	176.99 N	100.77 E	203.67	29.65	0.65	-0.64	0.37
21	MWD	3381.00	11.96	21.51	95	3359.64	-157.28	195.37 N	107.83 E	223.15	28.90	0.21	0.00	1.01
22	MWD	3475.00	11.78	21.25	94	3451.63	-172.58	213.37 N	114.88 E	242.33	28.30	0.20	-0.19	-0.28
23	MWD	3571.00	11.26	23.45	96	3545.69	-187.56	231.10 N	122.16 E	261.40	27.86	0.71	-0.54	2.29
24	MWD	3665.00	11.87	24.24	94	3637.78	-201.96	248.34 N	129.78 E	280.21	27.59	0.67	0.65	0.84
25	MWD	3761.00	12.57	28.90	96	3731.61	-216.83	266.49 N	138.88 E	300.51	27.53	1.26	0.73	4.85
26	MWD	3856.00	13.45	33.64	95	3824.17	-231.23	284.74 N	150.00 E	321.83	27.78	1.46	0.93	4.99
27	MWD	3951.00	13.81	31.45	95	3916.50	-245.97	303.61 N	162.04 E	344.14	28.09	0.66	0.38	-2.31
28	MWD	4046.00	12.75	29.07	95	4008.96	-260.96	322.44 N	173.05 E	365.94	28.22	1.26	-1.12	-2.51
29	MWD	4141.00	13.10	26.96	95	4101.55	-276.17	341.20 N	183.02 E	387.19	28.21	0.62	0.37	-2.22
30	MWD	4235.00	14.60	26.00	94	4192.82	-292.69	361.35 N	193.05 E	409.68	28.11	1.61	1.60	-1.02
31	MWD	4330.00	15.12	24.85	95	4284.64	-310.88	383.35 N	203.50 E	434.02	27.96	0.63	0.55	-1.21
32	MWD	4426.00	14.16	24.77	96	4377.52	-329.16	405.37 N	213.68 E	458.24	27.79	1.00	-1.00	-0.08
33	MWD	4520.00	13.89	23.27	94	4468.72	-346.53	426.18 N	222.96 E	480.98	27.62	0.48	-0.29	-1.60



DrilTech, LLC MWD Survey Report

Company: Point Energy Partners Petro, LLC
 Well: UL Dino Juice 18-40-45 WB1 #3H
 Location: Ward Co., TX
 Rig: Precision 582

Job Number: M-2021-154-MSDT-TX
 Vertical Section Plane: 163.71
 Well API Number: 42-475-38203
 Tie Into: Invictus Wildfire MWD Surveys

All Azimuths
 Corrected To: Grid North
 Calculation Method: Minimum Curvature

Survey #	Survey Tool Type	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)	Angle (deg)			
34	MWD	4615.00	13.89	20.28	95	4560.94	-364.48	447.35	N 231.41 E	503.66	27.35	0.76	0.00	-3.15
35	MWD	4711.00	13.63	19.32	96	4654.19	-382.93	468.83	N 239.15 E	526.31	27.03	0.36	-0.27	-1.00
36	MWD	4806.00	14.42	25.20	95	4746.36	-400.89	490.10	N 247.89 E	549.23	26.83	1.71	0.83	6.19
37	MWD	4900.00	14.25	26.87	94	4837.43	-418.10	511.01	N 258.10 E	572.49	26.80	0.48	-0.18	1.78
38	MWD	4996.00	15.48	25.47	96	4930.22	-436.27	533.12	N 268.95 E	597.12	26.77	1.33	1.28	-1.46
39	MWD	5091.00	16.53	24.33	95	5021.53	-455.99	556.88	N 279.97 E	623.30	26.69	1.15	1.11	-1.20
40	MWD	5185.00	15.65	22.48	94	5111.85	-476.03	580.78	N 290.33 E	649.30	26.56	1.08	-0.94	-1.97
41	MWD	5280.00	14.86	21.87	95	5203.50	-495.60	603.92	N 299.77 E	674.23	26.40	0.85	-0.83	-0.64
42	MWD	5376.00	15.21	22.39	96	5296.22	-515.11	626.99	N 309.15 E	699.07	26.25	0.39	0.36	0.54
43	MWD	5471.00	15.48	22.48	95	5387.83	-534.72	650.23	N 318.74 E	724.15	26.11	0.29	0.28	0.09
44	MWD	5566.00	15.39	23.27	95	5479.40	-554.32	673.52	N 328.57 E	749.40	26.00	0.24	-0.09	0.83
45	MWD	5661.00	15.39	24.15	95	5571.00	-573.63	696.61	N 338.71 E	774.59	25.93	0.25	0.00	0.93
46	MWD	5756.00	15.48	23.80	95	5662.57	-592.93	719.71	N 348.98 E	799.86	25.87	0.14	0.09	-0.37
47	MWD	5850.00	15.04	23.71	94	5753.26	-611.87	742.35	N 358.95 E	824.58	25.81	0.47	-0.47	-0.10
48	MWD	5945.00	14.33	24.33	95	5845.15	-630.23	764.35	N 368.75 E	848.65	25.75	0.77	-0.75	0.65
49	MWD	6039.00	14.33	24.59	94	5936.23	-647.86	785.53	N 378.38 E	871.91	25.72	0.07	0.00	0.28
50	MWD	6135.00	14.33	24.41	96	6029.24	-665.85	807.15	N 388.24 E	895.67	25.69	0.05	0.00	-0.19
51	MWD	6231.00	14.33	23.80	96	6122.25	-683.94	828.84	N 397.94 E	919.42	25.65	0.16	0.00	-0.64
52	MWD	6326.00	13.45	24.59	95	6214.48	-701.29	849.64	N 407.28 E	942.22	25.61	0.95	-0.93	0.83
53	MWD	6422.00	14.33	25.64	96	6307.67	-718.57	870.51	N 417.07 E	965.26	25.60	0.95	0.92	1.09
54	MWD	6517.00	14.42	25.64	95	6399.69	-736.12	891.77	N 427.28 E	988.85	25.60	0.09	0.09	0.00
55	MWD	6612.00	14.51	25.21	95	6491.68	-753.83	913.20	N 437.46 E	1012.58	25.60	0.15	0.09	-0.45
56	MWD	6707.00	14.51	25.64	95	6583.65	-771.60	934.70	N 447.68 E	1036.38	25.59	0.11	0.00	0.45
57	MWD	6803.00	14.25	25.29	96	6676.64	-789.38	956.22	N 457.93 E	1060.22	25.59	0.29	-0.27	-0.36
58	MWD	6897.00	13.89	26.79	94	6767.82	-806.28	976.76	N 467.96 E	1083.07	25.60	0.55	-0.38	1.60
59	MWD	6993.00	13.81	28.11	96	6861.03	-822.88	997.15	N 478.55 E	1106.04	25.64	0.34	-0.08	1.38
60	MWD	7089.00	13.28	27.75	96	6954.36	-838.99	1017.01	N 489.09 E	1128.50	25.68	0.56	-0.55	-0.37
61	MWD	7183.00	13.37	27.67	94	7045.83	-854.58	1036.19	N 499.16 E	1150.15	25.72	0.10	0.10	-0.09
62	MWD	7278.00	12.93	27.49	95	7138.34	-870.16	1055.35	N 509.17 E	1171.76	25.76	0.47	-0.46	-0.19
63	MWD	7374.00	12.93	26.35	96	7231.91	-885.82	1074.50	N 518.89 E	1193.23	25.78	0.27	0.00	-1.19
64	MWD	7470.00	13.37	25.47	96	7325.39	-902.00	1094.15	N 528.43 E	1215.07	25.78	0.50	0.46	-0.92
65	MWD	7565.00	12.93	25.20	95	7417.90	-918.15	1113.68	N 537.68 E	1236.68	25.77	0.47	-0.46	-0.28
66	MWD	7661.00	11.61	22.57	96	7511.70	-933.72	1132.32	N 545.96 E	1257.07	25.74	1.49	-1.38	-2.74
67	MWD	7756.00	10.55	22.30	95	7604.93	-947.96	1149.19	N 552.93 E	1275.29	25.69	1.12	-1.12	-0.28
68	MWD	7852.00	9.58	21.87	96	7699.45	-961.11	1164.74	N 559.24 E	1292.04	25.65	1.01	-1.01	-0.45
69	MWD	7905.00	9.32	20.99	53	7751.73	-967.99	1172.84	N 562.42 E	1300.72	25.62	0.56	-0.49	-1.66
70	MWD	7999.00	8.79	20.81	94	7844.56	-979.78	1186.66	N 567.70 E	1315.46	25.57	0.56	-0.56	-0.19



DrilTech, LLC MWD Survey Report

Company: Point Energy Partners Petro, LLC
 Well: UL Dino Juice 18-40-45 WB1 #3H
 Location: Ward Co., TX
 Rig: Precision 582

Job Number: M-2021-154-MSDT-TX
 Vertical Section Plane: 163.71
 Well API Number: 42-475-38203
 Tie Into: Invictus Wildfire MWD Surveys

All Azimuths
 Corrected To: Grid North
 Calculation Method: Minimum Curvature

Survey #	Survey Tool Type	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)	Angle (deg)			
71	MWD	8094.00	8.18	19.67	95	7938.52	-991.04	1199.81 N	572.55 E	1329.42	25.51	0.67	-0.64	-1.20
72	MWD	8189.00	7.47	20.02	95	8032.64	-1001.49	1211.97 N	576.94 E	1342.29	25.46	0.75	-0.75	0.37
73	MWD	8283.00	7.12	19.93	94	8125.88	-1011.11	1223.19 N	581.02 E	1354.17	25.41	0.37	-0.37	-0.10
74	MWD	8378.00	6.68	20.90	95	8220.19	-1020.26	1233.89 N	585.00 E	1365.54	25.37	0.48	-0.46	1.02
75	MWD	8474.00	6.07	19.40	96	8315.59	-1028.83	1243.89 N	588.68 E	1376.16	25.33	0.66	-0.64	-1.56
76	MWD	8569.00	5.80	19.67	95	8410.08	-1036.80	1253.15 N	591.96 E	1385.93	25.29	0.29	-0.28	0.28
77	MWD	8663.00	5.36	20.63	94	8503.64	-1044.15	1261.73 N	595.11 E	1395.03	25.25	0.48	-0.47	1.02
78	MWD	8758.00	4.84	17.29	95	8598.26	-1051.04	1269.71 N	597.86 E	1403.43	25.21	0.63	-0.55	-3.52
79	MWD	8853.00	2.02	26.61	95	8693.08	-1055.60	1275.04 N	599.80 E	1409.07	25.19	3.02	-2.97	9.81
80	MWD	8949.00	1.06	103.87	96	8789.05	-1056.40	1276.34 N	601.42 E	1410.94	25.23	2.15	-1.00	80.48
81	MWD	9045.00	1.49	113.27	96	8885.03	-1055.16	1275.63 N	603.43 E	1411.16	25.32	0.50	0.45	9.79
82	MWD	9140.00	1.58	97.36	95	8980.00	-1053.84	1274.97 N	605.86 E	1411.61	25.42	0.46	0.09	-16.75
83	MWD	9235.00	1.32	89.45	95	9074.97	-1053.02	1274.82 N	608.26 E	1412.49	25.51	0.34	-0.27	-8.33
84	MWD	9330.00	0.97	103.08	95	9169.95	-1052.33	1274.64 N	610.14 E	1413.15	25.58	0.46	-0.37	14.35
85	MWD	9427.00	1.06	100.18	97	9266.93	-1051.53	1274.30 N	611.82 E	1413.56	25.65	0.11	0.09	-2.99
86	MWD	9522.00	1.06	98.07	95	9361.92	-1050.77	1274.02 N	613.55 E	1414.06	25.71	0.04	0.00	-2.22
87	MWD	9617.00	0.79	101.58	95	9456.90	-1050.11	1273.77 N	615.06 E	1414.49	25.77	0.29	-0.28	3.69
88	MWD	9712.00	0.97	93.50	95	9551.89	-1049.53	1273.59 N	616.51 E	1414.96	25.83	0.23	0.19	-8.51
89	MWD	9807.00	0.97	92.00	95	9646.88	-1049.00	1273.51 N	618.12 E	1415.59	25.89	0.03	0.00	-1.58
90	MWD	9903.00	1.14	95.25	96	9742.86	-1048.40	1273.39 N	619.88 E	1416.26	25.96	0.19	0.18	3.39
91	MWD	9998.00	0.88	82.42	95	9837.85	-1047.94	1273.40 N	621.54 E	1416.99	26.02	0.36	-0.27	-13.51
92	MWD	10093.00	0.79	63.61	95	9932.84	-1047.94	1273.79 N	622.85 E	1417.92	26.06	0.30	-0.09	-19.80
93	MWD	10189.00	0.44	47.35	96	10028.83	-1048.22	1274.33 N	623.72 E	1418.78	26.08	0.40	-0.36	-16.94
94	MWD	10284.00	0.26	24.41	95	10123.83	-1048.55	1274.78 N	624.07 E	1419.34	26.08	0.24	-0.19	-24.15
95	MWD	10378.00	0.35	62.38	94	10217.83	-1048.77	1275.11 N	624.42 E	1419.78	26.09	0.23	0.10	40.39
96	MWD	10473.00	0.18	89.98	95	10312.83	-1048.78	1275.24 N	624.82 E	1420.08	26.10	0.22	-0.18	29.05
97	MWD	10567.00	0.26	108.79	94	10406.83	-1048.62	1275.17 N	625.17 E	1420.18	26.12	0.11	0.09	20.01
98	MWD	10662.00	0.18	166.45	95	10501.83	-1048.35	1274.96 N	625.41 E	1420.09	26.13	0.24	-0.08	60.69
99	MWD	10758.00	0.26	124.43	96	10597.83	-1048.03	1274.69 N	625.63 E	1419.94	26.14	0.18	0.08	-43.77
100	MWD	10854.00	0.44	194.04	96	10693.82	-1047.54	1274.21 N	625.72 E	1419.55	26.15	0.44	0.19	72.51
101	MWD	10948.00	0.26	203.89	94	10787.82	-1047.06	1273.66 N	625.54 E	1418.98	26.16	0.20	-0.19	10.48
102	MWD	11043.00	0.35	236.23	95	10882.82	-1046.81	1273.30 N	625.21 E	1418.52	26.15	0.20	0.09	34.04
103	MWD	11138.00	0.44	267.96	95	10977.82	-1046.82	1273.13 N	624.61 E	1418.09	26.13	0.24	0.09	33.40
104	MWD	11234.00	0.44	276.66	96	11073.82	-1047.05	1273.16 N	623.87 E	1417.80	26.11	0.07	0.00	9.06
105	MWD	11330.00	0.44	265.59	96	11169.81	-1047.27	1273.17 N	623.14 E	1417.49	26.08	0.09	0.00	-11.53
106	MWD	11424.00	0.44	281.85	94	11263.81	-1047.51	1273.22 N	622.43 E	1417.22	26.05	0.13	0.00	17.30
107	MWD	11506.00	0.35	272.62	82	11345.81	-1047.74	1273.29 N	621.87 E	1417.04	26.03	0.13	-0.11	-11.26



State of Texas

County of [Ward](#)

I, [Phil LeBlanc](#), certify that I am employed by DrilTech MWD Rentals, LLC. I did on the days of [07/25/2021](#) through [08/15/2021](#) conduct or supervise the taking of the [129](#) surveys from a measured depth of [1,403](#) feet to a measured depth of [13,399](#) feet. The data is true, correct, complete, and within the limitations of the tool as set forth by DrilTech MWD Rentals, LLC. I am authorized and qualified to make this report, and these surveys were conducted at the request of [Point Energy Partners Petro, LLC](#) for the [UL Dino Juice 18-40-45 WB1 #3H](#), API No. [42-475-38203](#) in [Ward](#) County, Texas. I have reviewed this report and find that it conforms to the principles and procedures as set forth by DrilTech MWD Rentals, LLC.

Signature

Phil LeBlanc

Date

08/17/2021



Actual Wellpath Report

UL Dino Juice 18-40-45 WB1 #3H FINAL 9998' - 16166' Proj: 16231'

Page 1 of 9



REFERENCE WELLPATH IDENTIFICATION			
Operator	POINT ENERGY PARTNERS PETRO, LLC	Well	UL Dino Juice 18-40-45 WB1 #3H
Field	Phantom (Wolfcamp) - Ward County, TX	API	42-475-38203
Facility	UL Dino Juice 18-40-45 Pad	Wellbore	UL Dino Juice 18-40-45 WB1 #3H
Slot	UL Dino Juice 18-40-45 WB1 #3H	Sidetrack from	UL Dino Juice 18-40-45 WB1 #3H Pilot Hole Final 117' - 13399' Proj: 13460' at 9903.00 MD

REPORT SETUP INFORMATION			
Projection System	NAD27 / Lambert Texas SP, Central Zone (4203), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Gail Deering
Scale	0.999938	Report Generated	09/Dec/2021 at 07:34
Convergence at slot	1.55° West	Database	WA-STX

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	38.30	-11.36	1063747.42	718779.06	31°36'29.5110"N	103°20'28.0225"W
Facility Reference Pt			1063758.78	718740.76	31°36'29.1351"N	103°20'27.8792"W
Field Reference Pt			2082485.83	492283.04	31°01'12.0000"N	100°04'12.0000"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Precision 582 (RKB) to Facility Vertical Datum	2872.00ft
Horizontal Reference Pt	Slot	Precision 582 (RKB) to Mean Sea Level	2872.00ft
Vertical Reference Pt	Precision 582 (RKB)	Precision 582 (RKB) to Mud Line at Slot (UL Dino Juice 18-40-45 WB1 #3H)	27.00ft
MD Reference Pt	Precision 582 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	163.71°



Actual Wellpath Report

UL Dino Juice 18-40-45 WB1 #3H FINAL 9998' - 16166' Proj: 16231'

Page 2 of 9



REFERENCE WELLPATH IDENTIFICATION			
Operator	POINT ENERGY PARTNERS PETRO, LLC	Well	UL Dino Juice 18-40-45 WB1 #3H
Field	Phantom (Wolfcamp) - Ward County, TX	API	42-475-38203
Facility	UL Dino Juice 18-40-45 Pad	Wellbore	UL Dino Juice 18-40-45 WB1 #3H
Slot	UL Dino Juice 18-40-45 WB1 #3H	Sidetrack from	UL Dino Juice 18-40-45 WB1 #3H Pilot Hole Final 117' - 13399' Proj: 13460' at 9903.00 MD

WELLPATH DATA (203 stations) † = interpolated, ‡ = extrapolated station														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
0.00†	0.000	100.960	0.00	0.00	0.00	0.00	1063747.42	718779.06	31°36'29.5110"N	103°20'28.0225"W	0.00	0.00	0.00	
27.00	0.000	100.960	27.00	0.00	0.00	0.00	1063747.42	718779.06	31°36'29.5110"N	103°20'28.0225"W	0.00	0.00	0.00	
117.00	0.100	100.960	117.00	0.04	-0.01	0.08	1063747.50	718779.05	31°36'29.5109"N	103°20'28.0216"W	0.11	0.11	0.00	
151.00	0.600	40.960	151.00	-0.05	0.11	0.22	1063747.64	718779.17	31°36'29.5122"N	103°20'28.0200"W	1.64	1.47	-176.47	
179.00	0.700	92.960	179.00	-0.07	0.22	0.49	1063747.91	718779.28	31°36'29.5133"N	103°20'28.0169"W	2.06	0.36	185.71	
207.00	0.700	67.960	207.00	-0.03	0.27	0.82	1063748.24	718779.33	31°36'29.5139"N	103°20'28.0131"W	1.08	0.00	-89.29	
237.00	0.100	97.960	236.99	-0.04	0.34	1.01	1063748.43	718779.40	31°36'29.5146"N	103°20'28.0109"W	2.05	-2.00	100.00	
269.00	0.400	160.960	268.99	0.08	0.23	1.08	1063748.50	718779.29	31°36'29.5135"N	103°20'28.0101"W	1.14	0.94	196.87	
301.00	0.100	166.960	300.99	0.22	0.09	1.12	1063748.54	718779.15	31°36'29.5122"N	103°20'28.0096"W	0.94	-0.94	18.75	
332.00	0.400	98.960	331.99	0.30	0.05	1.23	1063748.65	718779.11	31°36'29.5118"N	103°20'28.0083"W	1.21	0.97	-219.35	
363.00	0.600	165.960	362.99	0.51	-0.12	1.38	1063748.80	718778.94	31°36'29.5101"N	103°20'28.0065"W	1.86	0.65	216.13	
395.00	0.600	225.960	394.99	0.75	-0.40	1.30	1063748.72	718778.66	31°36'29.5074"N	103°20'28.0074"W	1.87	0.00	187.50	
426.00	0.300	118.960	425.99	0.88	-0.55	1.26	1063748.68	718778.51	31°36'29.5058"N	103°20'28.0078"W	2.40	-0.97	-345.16	
458.00	0.600	172.960	457.99	1.11	-0.76	1.35	1063748.77	718778.30	31°36'29.5038"N	103°20'28.0067"W	1.53	0.94	168.75	
489.00	0.100	143.960	488.99	1.30	-0.94	1.39	1063748.81	718778.12	31°36'29.5020"N	103°20'28.0062"W	1.66	-1.61	-93.55	
521.00	0.400	145.960	520.99	1.43	-1.06	1.46	1063748.88	718778.00	31°36'29.5009"N	103°20'28.0053"W	0.94	0.94	6.25	
552.00	0.500	207.960	551.99	1.63	-1.27	1.46	1063748.88	718777.79	31°36'29.4988"N	103°20'28.0052"W	1.52	0.32	200.00	
584.00	0.600	155.960	583.99	1.89	-1.55	1.46	1063748.88	718777.51	31°36'29.4961"N	103°20'28.0051"W	1.53	0.31	-162.50	
615.00	0.700	200.960	614.99	2.21	-1.87	1.46	1063748.88	718777.19	31°36'29.4929"N	103°20'28.0050"W	1.63	0.32	145.16	
678.00	0.800	191.960	677.98	2.90	-2.66	1.23	1063748.65	718776.40	31°36'29.4850"N	103°20'28.0074"W	0.24	0.16	-14.29	
709.00	0.800	182.960	708.98	3.29	-3.09	1.18	1063748.60	718775.97	31°36'29.4808"N	103°20'28.0079"W	0.40	0.00	-29.03	
741.00	0.500	126.960	740.97	3.62	-3.39	1.28	1063748.70	718775.67	31°36'29.4777"N	103°20'28.0067"W	2.08	-0.94	-175.00	
772.00	0.300	152.960	771.97	3.80	-3.55	1.42	1063748.84	718775.51	31°36'29.4763"N	103°20'28.0050"W	0.86	-0.65	83.87	
804.00	0.600	119.960	803.97	4.01	-3.71	1.61	1063749.03	718775.35	31°36'29.4747"N	103°20'28.0028"W	1.20	0.94	-103.12	
835.00	0.500	191.960	834.97	4.24	-3.92	1.72	1063749.14	718775.14	31°36'29.4727"N	103°20'28.0014"W	2.10	-0.32	232.26	
867.00	0.800	114.960	866.97	4.51	-4.15	1.89	1063749.31	718774.91	31°36'29.4704"N	103°20'27.9994"W	2.63	0.94	-240.63	
898.00	0.500	183.960	897.97	4.78	-4.38	2.08	1063749.50	718774.68	31°36'29.4682"N	103°20'27.9971"W	2.51	-0.97	222.58	
930.00	0.700	183.960	929.97	5.10	-4.71	2.06	1063749.48	718774.35	31°36'29.4649"N	103°20'27.9973"W	0.62	0.62	0.00	
961.00	0.500	184.960	960.97	5.40	-5.04	2.03	1063749.45	718774.03	31°36'29.4617"N	103°20'27.9975"W	0.65	-0.65	3.23	
992.00	0.900	151.960	991.96	5.77	-5.38	2.13	1063749.55	718773.68	31°36'29.4583"N	103°20'27.9962"W	1.78	1.29	-106.45	



Actual Wellpath Report

UL Dino Juice 18-40-45 WB1 #3H FINAL 9998' - 16166' Proj: 16231'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	POINT ENERGY PARTNERS PETRO, LLC	Well	UL Dino Juice 18-40-45 WB1 #3H
Field	Phantom (Wolfcamp) - Ward County, TX	API	42-475-38203
Facility	UL Dino Juice 18-40-45 Pad	Wellbore	UL Dino Juice 18-40-45 WB1 #3H
Slot	UL Dino Juice 18-40-45 WB1 #3H	Sidetrack from	UL Dino Juice 18-40-45 WB1 #3H Pilot Hole Final 117' - 13399' Proj: 13460' at 9903.00 MD

WELLPATH DATA (203 stations)														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
1024.00	0.900	162.960	1023.96	6.26	-5.85	2.33	1063749.75	718773.21	31°36'29.4538"N	103°20'27.9938"W	0.54	0.00	34.38	
1055.00	0.800	147.960	1054.96	6.72	-6.26	2.51	1063749.93	718772.80	31°36'29.4497"N	103°20'27.9915"W	0.78	-0.32	-48.39	
1087.00	0.400	199.960	1086.95	7.02	-6.56	2.59	1063750.01	718772.50	31°36'29.4468"N	103°20'27.9905"W	1.99	-1.25	162.50	
1118.00	0.600	210.960	1117.95	7.22	-6.80	2.47	1063749.89	718772.26	31°36'29.4444"N	103°20'27.9918"W	0.71	0.65	35.48	
1181.00	0.400	201.960	1180.95	7.62	-7.29	2.22	1063749.64	718771.78	31°36'29.4395"N	103°20'27.9946"W	0.34	-0.32	-14.29	
1212.00	0.900	173.960	1211.95	7.94	-7.63	2.20	1063749.62	718771.43	31°36'29.4361"N	103°20'27.9946"W	1.87	1.61	-90.32	
1244.00	0.800	155.960	1243.94	8.41	-8.08	2.32	1063749.74	718770.98	31°36'29.4317"N	103°20'27.9932"W	0.89	-0.31	-56.25	
1275.00	0.800	197.960	1274.94	8.80	-8.49	2.34	1063749.76	718770.58	31°36'29.4277"N	103°20'27.9928"W	1.85	0.00	135.48	
1307.00	1.000	191.960	1306.94	9.23	-8.97	2.22	1063749.64	718770.09	31°36'29.4228"N	103°20'27.9941"W	0.69	0.62	-18.75	
1338.00	1.000	186.960	1337.93	9.72	-9.50	2.13	1063749.55	718769.56	31°36'29.4175"N	103°20'27.9949"W	0.28	0.00	-16.13	
1369.00	0.800	154.960	1368.93	10.18	-9.97	2.19	1063749.61	718769.09	31°36'29.4130"N	103°20'27.9941"W	1.72	-0.65	-103.23	
1403.00	1.200	177.960	1402.92	10.76	-10.54	2.30	1063749.72	718768.52	31°36'29.4073"N	103°20'27.9926"W	1.64	1.18	67.65	
1489.00	0.620	150.980	1488.91	12.09	-11.85	2.56	1063749.98	718767.21	31°36'29.3945"N	103°20'27.9893"W	0.82	-0.67	-31.37	
1552.00	0.000	307.770	1551.91	12.42	-12.14	2.72	1063750.14	718766.92	31°36'29.3916"N	103°20'27.9872"W	0.98	-0.98	0.00	
1679.00	0.000	262.600	1678.91	12.42	-12.14	2.72	1063750.14	718766.92	31°36'29.3916"N	103°20'27.9872"W	0.00	0.00	0.00	
1773.00	0.000	263.040	1772.91	12.42	-12.14	2.72	1063750.14	718766.92	31°36'29.3916"N	103°20'27.9872"W	0.00	0.00	0.00	
1868.00	0.260	48.940	1867.91	12.33	-12.00	2.89	1063750.31	718767.06	31°36'29.3930"N	103°20'27.9854"W	0.27	0.27	0.00	
1963.00	2.370	68.450	1962.88	12.06	-11.14	4.88	1063752.30	718767.92	31°36'29.4021"N	103°20'27.9627"W	2.24	2.22	20.54	
2057.00	4.480	63.960	2056.71	11.26	-8.81	9.98	1063757.40	718770.25	31°36'29.4265"N	103°20'27.9044"W	2.26	2.24	-4.78	
2152.00	5.720	45.070	2151.34	8.36	-3.84	16.67	1063764.09	718775.22	31°36'29.4774"N	103°20'27.8287"W	2.18	1.31	-19.88	
2246.00	6.680	31.880	2244.79	2.47	4.11	22.87	1063770.29	718783.17	31°36'29.5578"N	103°20'27.7594"W	1.82	1.02	-14.03	
2340.00	7.650	28.900	2338.06	-5.59	14.23	28.78	1063776.20	718793.29	31°36'29.6595"N	103°20'27.6943"W	1.10	1.03	-3.17	
2434.00	8.620	35.050	2431.11	-14.40	25.48	35.85	1063783.27	718804.53	31°36'29.7726"N	103°20'27.6161"W	1.38	1.03	6.54	
2529.00	8.970	31.800	2525.00	-23.79	37.60	43.85	1063791.26	718816.66	31°36'29.8947"N	103°20'27.5275"W	0.64	0.37	-3.42	
2624.00	9.760	25.120	2618.73	-34.78	51.18	51.17	1063798.58	718830.24	31°36'30.0310"N	103°20'27.4471"W	1.41	0.83	-7.03	
2718.00	10.640	21.250	2711.25	-47.64	66.49	57.69	1063805.11	718845.54	31°36'30.1842"N	103°20'27.3764"W	1.19	0.94	-4.12	
2812.00	11.610	21.160	2803.48	-62.03	83.40	64.25	1063811.67	718862.45	31°36'30.3532"N	103°20'27.3059"W	1.03	1.03	-0.10	
2907.00	12.220	22.830	2896.43	-77.42	101.58	71.61	1063819.02	718880.63	31°36'30.5350"N	103°20'27.2266"W	0.74	0.64	1.76	
3002.00	12.220	21.340	2989.28	-93.18	120.21	79.17	1063826.58	718899.26	31°36'30.7214"N	103°20'27.1450"W	0.33	0.00	-1.57	
3097.00	12.400	21.340	3082.09	-109.23	139.07	86.54	1063833.95	718918.13	31°36'30.9100"N	103°20'27.0657"W	0.19	0.19	0.00	



Actual Wellpath Report

UL Dino Juice 18-40-45 WB1 #3H FINAL 9998' - 16166' Proj: 16231'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	POINT ENERGY PARTNERS PETRO, LLC	Well	UL Dino Juice 18-40-45 WB1 #3H
Field	Phantom (Wolfcamp) - Ward County, TX	API	42-475-38203
Facility	UL Dino Juice 18-40-45 Pad	Wellbore	UL Dino Juice 18-40-45 WB1 #3H
Slot	UL Dino Juice 18-40-45 WB1 #3H	Sidetrack from	UL Dino Juice 18-40-45 WB1 #3H Pilot Hole Final 117' - 13399' Proj: 13460' at 9903.00 MD

WELLPATH DATA (203 stations)															
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments	
3191.00	12.570	20.200	3173.87	-125.44	158.07	93.74	1063841.15	718937.12	31°36'31.0999"N	103°20'26.9884"W	0.32	0.18	-1.21		
3286.00	11.960	20.550	3266.70	-141.63	176.99	100.77	1063848.18	718956.04	31°36'31.2889"N	103°20'26.9131"W	0.65	-0.64	0.37		
3381.00	11.960	21.510	3359.64	-157.29	195.37	107.83	1063855.24	718974.42	31°36'31.4726"N	103°20'26.8372"W	0.21	0.00	1.01		
3475.00	11.780	21.250	3451.63	-172.59	213.37	114.88	1063862.29	718992.42	31°36'31.6526"N	103°20'26.7613"W	0.20	-0.19	-0.28		
3571.00	11.260	23.450	3545.70	-187.57	231.10	122.16	1063869.57	719010.15	31°36'31.8299"N	103°20'26.6827"W	0.71	-0.54	2.29		
3665.00	11.870	24.240	3637.79	-201.98	248.34	129.78	1063877.19	719027.38	31°36'32.0025"N	103°20'26.6000"W	0.67	0.65	0.84		
3761.00	12.570	28.900	3731.61	-216.85	266.49	138.88	1063886.30	719045.53	31°36'32.1845"N	103°20'26.5005"W	1.26	0.73	4.85		
3856.00	13.450	33.640	3824.18	-231.24	284.74	150.00	1063897.41	719063.78	31°36'32.3680"N	103°20'26.3777"W	1.46	0.93	4.99		
3951.00	13.810	31.450	3916.50	-245.98	303.61	162.04	1063909.45	719082.65	31°36'32.5579"N	103°20'26.2444"W	0.66	0.38	-2.31		
4046.00	12.750	29.070	4008.96	-260.98	322.44	173.05	1063920.46	719101.48	31°36'32.7472"N	103°20'26.1231"W	1.26	-1.12	-2.51		
4141.00	13.100	26.960	4101.56	-276.18	341.20	183.02	1063930.43	719120.24	31°36'32.9354"N	103°20'26.0136"W	0.62	0.37	-2.22		
4235.00	14.600	26.000	4192.82	-292.71	361.35	193.05	1063940.45	719140.38	31°36'33.1374"N	103°20'25.9041"W	1.61	1.60	-1.02		
4330.00	15.120	24.850	4284.64	-310.90	383.35	203.50	1063950.91	719162.39	31°36'33.3578"N	103°20'25.7901"W	0.63	0.55	-1.21		
4426.00	14.160	24.770	4377.52	-329.18	405.37	213.68	1063961.09	719184.41	31°36'33.5784"N	103°20'25.6793"W	1.00	-1.00	-0.08		
4520.00	13.890	23.270	4468.72	-346.55	426.18	222.96	1063970.36	719205.21	31°36'33.7867"N	103°20'25.5786"W	0.48	-0.29	-1.60		
4615.00	13.890	20.280	4560.95	-364.50	447.35	231.41	1063978.82	719226.38	31°36'33.9985"N	103°20'25.4874"W	0.76	0.00	-3.15		
4711.00	13.630	19.320	4654.19	-382.95	468.83	239.15	1063986.56	719247.86	31°36'34.2130"N	103°20'25.4047"W	0.36	-0.27	-1.00		
4806.00	14.420	25.200	4746.36	-400.92	490.10	247.89	1063995.30	719269.13	31°36'34.4258"N	103°20'25.3103"W	1.71	0.83	6.19		
4900.00	14.250	26.870	4837.44	-418.12	511.01	258.10	1064005.51	719290.04	31°36'34.6354"N	103°20'25.1988"W	0.48	-0.18	1.78		
4996.00	15.480	25.470	4930.22	-436.30	533.12	268.95	1064016.36	719312.14	31°36'34.8570"N	103°20'25.0803"W	1.33	1.28	-1.46		
5091.00	16.530	24.330	5021.54	-456.02	556.88	279.97	1064027.38	719335.90	31°36'35.0950"N	103°20'24.9604"W	1.15	1.11	-1.20		
5185.00	15.650	22.480	5111.86	-476.05	580.78	290.33	1064037.73	719359.80	31°36'35.3342"N	103°20'24.8481"W	1.08	-0.94	-1.97		
5280.00	14.860	21.870	5203.51	-495.63	603.93	299.77	1064047.17	719382.95	31°36'35.5657"N	103°20'24.7463"W	0.85	-0.83	-0.64		
5376.00	15.210	22.390	5296.22	-515.14	626.99	309.15	1064056.55	719406.01	31°36'35.7964"N	103°20'24.6450"W	0.39	0.36	0.54		
5471.00	15.480	22.480	5387.84	-534.75	650.23	318.75	1064066.14	719429.25	31°36'36.0289"N	103°20'24.5414"W	0.29	0.28	0.09		
5566.00	15.390	23.270	5479.41	-554.35	673.53	328.57	1064075.97	719452.54	31°36'36.2619"N	103°20'24.4351"W	0.24	-0.09	0.83		
5661.00	15.390	24.150	5571.00	-573.67	696.61	338.71	1064086.11	719475.62	31°36'36.4930"N	103°20'24.3251"W	0.25	0.00	0.93		
5756.00	15.480	23.800	5662.58	-592.96	719.71	348.98	1064096.38	719498.72	31°36'36.7243"N	103°20'24.2136"W	0.14	0.09	-0.37		
5850.00	15.040	23.710	5753.26	-611.90	742.36	358.95	1064106.35	719521.37	31°36'36.9510"N	103°20'24.1054"W	0.47	-0.47	-0.10		
5945.00	14.330	24.330	5845.16	-630.27	764.35	368.75	1064116.15	719543.36	31°36'37.1712"N	103°20'23.9990"W	0.77	-0.75	0.65		



Actual Wellpath Report

UL Dino Juice 18-40-45 WB1 #3H FINAL 9998' - 16166' Proj: 16231'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	POINT ENERGY PARTNERS PETRO, LLC	Well	UL Dino Juice 18-40-45 WB1 #3H
Field	Phantom (Wolfcamp) - Ward County, TX	API	42-475-38203
Facility	UL Dino Juice 18-40-45 Pad	Wellbore	UL Dino Juice 18-40-45 WB1 #3H
Slot	UL Dino Juice 18-40-45 WB1 #3H	Sidetrack from	UL Dino Juice 18-40-45 WB1 #3H Pilot Hole Final 117' - 13399' Proj: 13460' at 9903.00 MD

WELLPATH DATA (203 stations)														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
6039.00	14.330	24.590	5936.23	-647.90	785.53	378.38	1064125.78	719564.54	31°36'37.3833"N	103°20'23.8943"W	0.07	0.00	0.28	
6135.00	14.330	24.410	6029.25	-665.89	807.15	388.24	1064135.63	719586.16	31°36'37.5998"N	103°20'23.7872"W	0.05	0.00	-0.19	
6231.00	14.330	23.800	6122.26	-683.98	828.84	397.94	1064145.34	719607.85	31°36'37.8170"N	103°20'23.6818"W	0.16	0.00	-0.64	
6326.00	13.450	24.590	6214.48	-701.33	849.64	407.28	1064154.68	719628.65	31°36'38.0253"N	103°20'23.5803"W	0.95	-0.93	0.83	
6422.00	14.330	25.640	6307.67	-718.61	870.51	417.07	1064164.46	719649.51	31°36'38.2343"N	103°20'23.4737"W	0.95	0.92	1.09	
6517.00	14.420	25.640	6399.70	-736.16	891.77	427.28	1064174.67	719670.77	31°36'38.4474"N	103°20'23.3623"W	0.09	0.09	0.00	
6612.00	14.510	25.210	6491.69	-753.88	913.20	437.46	1064184.86	719692.20	31°36'38.6621"N	103°20'23.2513"W	0.15	0.09	-0.45	
6707.00	14.510	25.640	6583.66	-771.64	934.70	447.68	1064195.07	719713.70	31°36'38.8775"N	103°20'23.1399"W	0.11	0.00	0.45	
6803.00	14.250	25.290	6676.65	-789.43	956.22	457.93	1064205.32	719735.22	31°36'39.0932"N	103°20'23.0281"W	0.29	-0.27	-0.36	
6897.00	13.890	26.790	6767.83	-806.33	976.76	467.96	1064215.35	719755.75	31°36'39.2990"N	103°20'22.9186"W	0.55	-0.38	1.60	
6993.00	13.810	28.110	6861.04	-822.93	997.15	478.55	1064225.94	719776.14	31°36'39.5036"N	103°20'22.8025"W	0.34	-0.08	1.37	
7089.00	13.280	27.750	6954.37	-839.04	1017.01	489.09	1064236.47	719796.01	31°36'39.7029"N	103°20'22.6870"W	0.56	-0.55	-0.37	
7183.00	13.370	27.670	7045.84	-854.63	1036.19	499.16	1064246.55	719815.19	31°36'39.8954"N	103°20'22.5765"W	0.10	0.10	-0.09	
7278.00	12.930	27.490	7138.35	-870.21	1055.35	509.17	1064256.55	719834.34	31°36'40.0875"N	103°20'22.4669"W	0.47	-0.46	-0.19	
7374.00	12.930	26.350	7231.91	-885.87	1074.50	518.89	1064266.28	719853.49	31°36'40.2796"N	103°20'22.3604"W	0.27	0.00	-1.19	
7470.00	13.370	25.470	7325.39	-902.05	1094.15	528.43	1064275.82	719873.14	31°36'40.4765"N	103°20'22.2563"W	0.50	0.46	-0.92	
7565.00	12.930	25.200	7417.90	-918.20	1113.68	537.68	1064285.07	719892.67	31°36'40.6722"N	103°20'22.1555"W	0.47	-0.46	-0.28	
7661.00	11.610	22.570	7511.71	-933.77	1132.32	545.96	1064293.35	719911.31	31°36'40.8588"N	103°20'22.0656"W	1.49	-1.37	-2.74	
7756.00	10.550	22.300	7604.94	-948.02	1149.19	552.93	1064300.32	719928.18	31°36'41.0276"N	103°20'21.9903"W	1.12	-1.12	-0.28	
7852.00	9.580	21.870	7699.46	-961.17	1164.74	559.24	1064306.63	719943.72	31°36'41.1831"N	103°20'21.9222"W	1.01	-1.01	-0.45	
7905.00	9.320	20.990	7751.74	-968.05	1172.84	562.42	1064309.81	719951.82	31°36'41.2641"N	103°20'21.8880"W	0.56	-0.49	-1.66	
7999.00	8.790	20.810	7844.57	-979.84	1186.66	567.70	1064315.08	719965.64	31°36'41.4022"N	103°20'21.8313"W	0.56	-0.56	-0.19	
8094.00	8.180	19.670	7938.53	-991.10	1199.81	572.55	1064319.94	719978.79	31°36'41.5336"N	103°20'21.7793"W	0.67	-0.64	-1.20	
8189.00	7.470	20.020	8032.64	-1001.54	1211.97	576.94	1064324.33	719990.96	31°36'41.6551"N	103°20'21.7323"W	0.75	-0.75	0.37	
8283.00	7.120	19.930	8125.88	-1011.17	1223.19	581.02	1064328.40	720002.17	31°36'41.7672"N	103°20'21.6887"W	0.37	-0.37	-0.10	
8378.00	6.680	20.900	8220.19	-1020.32	1233.89	585.00	1064332.38	720012.87	31°36'41.8741"N	103°20'21.6461"W	0.48	-0.46	1.02	
8474.00	6.070	19.400	8315.60	-1028.89	1243.89	588.68	1064336.06	720022.87	31°36'41.9740"N	103°20'21.6067"W	0.66	-0.64	-1.56	
8569.00	5.800	19.670	8410.09	-1036.86	1253.15	591.96	1064339.34	720032.13	31°36'42.0665"N	103°20'21.5716"W	0.29	-0.28	0.28	
8663.00	5.360	20.630	8503.64	-1044.21	1261.73	595.11	1064342.49	720040.71	31°36'42.1522"N	103°20'21.5379"W	0.48	-0.47	1.02	
8758.00	4.840	17.290	8598.27	-1051.10	1269.71	597.86	1064345.24	720048.69	31°36'42.2319"N	103°20'21.5086"W	0.63	-0.55	-3.52	



Actual Wellpath Report

UL Dino Juice 18-40-45 WB1 #3H FINAL 9998' - 16166' Proj: 16231'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	POINT ENERGY PARTNERS PETRO, LLC	Well	UL Dino Juice 18-40-45 WB1 #3H
Field	Phantom (Wolfcamp) - Ward County, TX	API	42-475-38203
Facility	UL Dino Juice 18-40-45 Pad	Wellbore	UL Dino Juice 18-40-45 WB1 #3H
Slot	UL Dino Juice 18-40-45 WB1 #3H	Sidetrack from	UL Dino Juice 18-40-45 WB1 #3H Pilot Hole Final 117' - 13399' Proj: 13460' at 9903.00 MD

WELLPATH DATA (203 stations)														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
8853.00	2.020	26.610	8693.09	-1055.66	1275.04	599.80	1064347.18	720054.01	31°36'42.2851"N	103°20'21.4878"W	3.02	-2.97	9.81	
8949.00	1.060	103.870	8789.06	-1056.46	1276.34	601.42	1064348.80	720055.31	31°36'42.2984"N	103°20'21.4695"W	2.15	-1.00	80.48	
9045.00	1.490	113.270	8885.04	-1055.22	1275.63	603.43	1064350.81	720054.61	31°36'42.2920"N	103°20'21.4460"W	0.50	0.45	9.79	
9140.00	1.580	97.360	8980.00	-1053.90	1274.97	605.86	1064353.25	720053.95	31°36'42.2861"N	103°20'21.4177"W	0.46	0.09	-16.75	
9235.00	1.320	89.450	9074.97	-1053.08	1274.82	608.26	1064355.64	720053.80	31°36'42.2852"N	103°20'21.3900"W	0.34	-0.27	-8.33	
9330.00	0.970	103.080	9169.95	-1052.39	1274.65	610.14	1064357.52	720053.62	31°36'42.2840"N	103°20'21.3682"W	0.46	-0.37	14.35	
9427.00	1.060	100.180	9266.94	-1051.59	1274.30	611.82	1064359.20	720053.28	31°36'42.2811"N	103°20'21.3487"W	0.11	0.09	-2.99	
9522.00	1.060	98.070	9361.92	-1050.84	1274.02	613.55	1064360.93	720053.00	31°36'42.2788"N	103°20'21.3285"W	0.04	0.00	-2.22	
9617.00	0.790	101.580	9456.91	-1050.17	1273.77	615.06	1064362.45	720052.75	31°36'42.2766"N	103°20'21.3110"W	0.29	-0.28	3.69	
9712.00	0.970	93.500	9551.90	-1049.59	1273.59	616.51	1064363.89	720052.57	31°36'42.2752"N	103°20'21.2942"W	0.23	0.19	-8.51	
9807.00	0.970	92.000	9646.88	-1049.06	1273.51	618.12	1064365.50	720052.49	31°36'42.2749"N	103°20'21.2756"W	0.03	0.00	-1.58	
9903.00	1.140	95.250	9742.87	-1048.46	1273.39	619.88	1064367.26	720052.37	31°36'42.2742"N	103°20'21.2552"W	0.19	0.18	3.39	
9998.00	0.880	82.420	9837.85	-1048.00	1273.40	621.54	1064368.92	720052.38	31°36'42.2748"N	103°20'21.2360"W	0.36	-0.27	-13.51	DrillTech Pilot Hole MWD Surveys 9998' - 11866'
10093.00	0.790	63.610	9932.84	-1048.01	1273.79	622.85	1064370.23	720052.77	31°36'42.2790"N	103°20'21.2210"W	0.30	-0.09	-19.80	
10189.00	0.440	47.350	10028.84	-1048.29	1274.34	623.72	1064371.10	720053.31	31°36'42.2846"N	103°20'21.2112"W	0.40	-0.36	-16.94	
10284.00	0.260	24.410	10123.84	-1048.61	1274.78	624.07	1064371.45	720053.76	31°36'42.2891"N	103°20'21.2072"W	0.24	-0.19	-24.15	
10378.00	0.350	62.380	10217.84	-1048.83	1275.11	624.42	1064371.80	720054.08	31°36'42.2924"N	103°20'21.2033"W	0.23	0.10	40.39	
10473.00	0.180	89.980	10312.83	-1048.84	1275.24	624.82	1064372.20	720054.22	31°36'42.2938"N	103°20'21.1987"W	0.22	-0.18	29.05	
10567.00	0.260	108.790	10406.83	-1048.68	1275.17	625.17	1064372.55	720054.15	31°36'42.2932"N	103°20'21.1946"W	0.11	0.09	20.01	
10662.00	0.180	166.450	10501.83	-1048.41	1274.96	625.41	1064372.79	720053.94	31°36'42.2912"N	103°20'21.1918"W	0.24	-0.08	60.69	
10758.00	0.260	124.430	10597.83	-1048.09	1274.69	625.63	1064373.01	720053.67	31°36'42.2886"N	103°20'21.1892"W	0.18	0.08	-43.77	
10854.00	0.440	194.040	10693.83	-1047.60	1274.21	625.72	1064373.10	720053.18	31°36'42.2838"N	103°20'21.1880"W	0.44	0.19	72.51	
10948.00	0.260	203.890	10787.83	-1047.13	1273.66	625.54	1064372.92	720052.64	31°36'42.2784"N	103°20'21.1898"W	0.20	-0.19	10.48	
11043.00	0.350	236.230	10882.83	-1046.87	1273.30	625.21	1064372.59	720052.28	31°36'42.2748"N	103°20'21.1935"W	0.20	0.09	34.04	
11138.00	0.440	267.960	10977.83	-1046.88	1273.13	624.61	1064371.99	720052.11	31°36'42.2729"N	103°20'21.2005"W	0.24	0.09	33.40	
11234.00	0.440	276.660	11073.82	-1047.11	1273.16	623.87	1064371.25	720052.14	31°36'42.2730"N	103°20'21.2090"W	0.07	0.00	9.06	
11330.00	0.440	265.590	11169.82	-1047.33	1273.17	623.14	1064370.52	720052.15	31°36'42.2729"N	103°20'21.2175"W	0.09	0.00	-11.53	
11424.00	0.440	281.850	11263.82	-1047.58	1273.22	622.43	1064369.81	720052.20	31°36'42.2732"N	103°20'21.2257"W	0.13	0.00	17.30	
11506.00	0.350	272.620	11345.82	-1047.81	1273.30	621.87	1064369.25	720052.27	31°36'42.2738"N	103°20'21.2322"W	0.13	-0.11	-11.26	
11598.00	0.350	329.830	11437.81	-1048.17	1273.55	621.45	1064368.83	720052.53	31°36'42.2762"N	103°20'21.2372"W	0.36	0.00	62.18	



Actual Wellpath Report

UL Dino Juice 18-40-45 WB1 #3H FINAL 9998' - 16166' Proj: 16231'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	POINT ENERGY PARTNERS PETRO, LLC	Well	UL Dino Juice 18-40-45 WB1 #3H
Field	Phantom (Wolfcamp) - Ward County, TX	API	42-475-38203
Facility	UL Dino Juice 18-40-45 Pad	Wellbore	UL Dino Juice 18-40-45 WB1 #3H
Slot	UL Dino Juice 18-40-45 WB1 #3H	Sidetrack from	UL Dino Juice 18-40-45 WB1 #3H Pilot Hole Final 117' - 13399' Proj: 13460' at 9903.00 MD

WELLPATH DATA (203 stations)														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
11688.00	0.350	335.900	11527.81	-1048.71	1274.04	621.20	1064368.58	720053.02	31°36'42.2810"N	103°20'21.2402"W	0.04	0.00	6.74	
11776.00	0.440	338.970	11615.81	-1049.31	1274.60	620.97	1064368.35	720053.58	31°36'42.2865"N	103°20'21.2430"W	0.11	0.10	3.49	
11866.00	0.350	335.900	11705.81	-1049.93	1275.17	620.73	1064368.11	720054.15	31°36'42.2921"N	103°20'21.2460"W	0.10	-0.10	-3.41	
11913.00	1.070	180.300	11752.81	-1049.65	1274.87	620.67	1064368.05	720053.84	31°36'42.2890"N	103°20'21.2466"W	2.97	1.53	-331.06	8 3/4" Curve/Lateral Section 11913' - 16166'
11946.00	4.880	176.520	11785.76	-1047.99	1273.16	620.75	1064368.13	720052.13	31°36'42.2721"N	103°20'21.2451"W	11.55	11.55	-11.45	
12034.00	14.580	174.270	11872.39	-1033.41	1258.36	622.09	1064369.47	720037.34	31°36'42.1261"N	103°20'21.2250"W	11.03	11.02	-2.56	
12122.00	23.240	165.240	11955.57	-1005.11	1230.50	627.63	1064375.01	720009.48	31°36'41.8519"N	103°20'21.1522"W	10.36	9.84	-10.26	
12211.00	33.670	167.830	12033.72	-962.83	1189.28	637.33	1064384.71	719968.27	31°36'41.4468"N	103°20'21.0272"W	11.80	11.72	2.91	
12300.00	40.960	168.890	12104.45	-909.10	1136.47	648.17	1064395.55	719915.46	31°36'40.9272"N	103°20'20.8855"W	8.22	8.19	1.19	
12389.00	51.320	170.540	12166.04	-845.38	1073.41	659.53	1064406.91	719852.40	31°36'40.3064"N	103°20'20.7344"W	11.72	11.64	1.85	
12478.00	61.370	170.250	12215.30	-771.89	1000.46	671.89	1064419.26	719779.45	31°36'39.5880"N	103°20'20.5688"W	11.30	11.29	-0.33	
12567.00	70.560	169.490	12251.51	-691.16	920.53	686.19	1064433.56	719699.53	31°36'38.8012"N	103°20'20.3785"W	10.36	10.33	-0.85	
12656.00	77.930	168.830	12275.66	-605.95	836.46	702.29	1064449.67	719615.47	31°36'37.9738"N	103°20'20.1661"W	8.31	8.28	-0.74	
12745.00	88.460	168.120	12286.19	-518.00	750.00	719.93	1064467.30	719529.01	31°36'37.1231"N	103°20'19.9352"W	11.86	11.83	-0.80	
12834.00	93.980	166.180	12284.30	-429.22	663.28	739.71	1064487.08	719442.30	31°36'36.2705"N	103°20'19.6795"W	6.57	6.20	-2.18	
12923.00	94.970	165.290	12277.35	-340.55	577.29	761.57	1064508.94	719356.31	31°36'35.4257"N	103°20'19.3999"W	1.49	1.11	-1.00	
13012.00	95.620	162.490	12269.14	-251.94	492.16	786.16	1064533.53	719271.19	31°36'34.5901"N	103°20'19.0891"W	3.22	0.73	-3.15	
13101.00	97.200	163.140	12259.20	-163.51	407.67	812.29	1064559.66	719186.70	31°36'33.7612"N	103°20'18.7607"W	1.92	1.78	0.73	
13190.00	97.290	163.670	12247.98	-75.22	323.06	837.50	1064584.87	719102.09	31°36'32.9309"N	103°20'18.4428"W	0.60	0.10	0.60	
13279.00	97.350	163.460	12236.64	13.05	238.39	862.48	1064609.84	719017.43	31°36'32.1000"N	103°20'18.1276"W	0.24	0.07	-0.24	
13368.00	97.660	163.410	12225.01	101.29	153.81	887.64	1064635.00	718932.86	31°36'31.2700"N	103°20'17.8104"W	0.35	0.35	-0.06	
13463.00	97.290	163.030	12212.65	195.48	63.63	914.83	1064662.19	718842.69	31°36'30.3851"N	103°20'17.4680"W	0.56	-0.39	-0.40	
13552.00	97.630	163.770	12201.10	283.72	-20.94	940.04	1064687.40	718758.12	31°36'29.5552"N	103°20'17.1501"W	0.91	0.38	0.83	
13642.00	98.160	164.090	12188.74	372.87	-106.60	964.72	1064712.08	718672.47	31°36'28.7144"N	103°20'16.8381"W	0.69	0.59	0.36	
13732.00	97.380	162.760	12176.57	462.04	-192.07	990.16	1064737.51	718587.01	31°36'27.8757"N	103°20'16.5174"W	1.70	-0.87	-1.48	
13823.00	97.820	162.300	12164.53	552.22	-278.11	1017.24	1064764.59	718500.97	31°36'27.0318"N	103°20'16.1775"W	0.70	0.48	-0.51	
13913.00	97.630	162.620	12152.44	641.38	-363.14	1044.11	1064791.47	718415.94	31°36'26.1977"N	103°20'15.8403"W	0.41	-0.21	0.36	
14002.00	97.070	162.810	12141.05	729.63	-447.42	1070.34	1064817.69	718331.67	31°36'25.3709"N	103°20'15.5109"W	0.66	-0.63	0.21	
14091.00	94.470	162.180	12132.10	818.15	-531.86	1096.97	1064844.32	718247.23	31°36'24.5427"N	103°20'15.1767"W	3.01	-2.92	-0.71	
14180.00	94.380	164.040	12125.24	906.88	-616.77	1122.75	1064870.10	718162.33	31°36'23.7096"N	103°20'14.8522"W	2.09	-0.10	2.09	



Actual Wellpath Report

UL Dino Juice 18-40-45 WB1 #3H FINAL 9998' - 16166' Proj: 16231'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	POINT ENERGY PARTNERS PETRO, LLC	Well	UL Dino Juice 18-40-45 WB1 #3H
Field	Phantom (Wolfcamp) - Ward County, TX	API	42-475-38203
Facility	UL Dino Juice 18-40-45 Pad	Wellbore	UL Dino Juice 18-40-45 WB1 #3H
Slot	UL Dino Juice 18-40-45 WB1 #3H	Sidetrack from	UL Dino Juice 18-40-45 WB1 #3H Pilot Hole Final 117' - 13399' Proj: 13460' at 9903.00 MD

WELLPATH DATA (203 stations) † = interpolated, ‡ = extrapolated station														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
14269.00	95.650	162.550	12117.45	995.53	-701.68	1148.23	1064895.58	718077.42	31°36'22.8764"N	103°20'14.5311"W	2.19	1.43	-1.67	
14358.00	92.770	163.640	12110.92	1084.28	-786.60	1174.04	1064921.38	717992.51	31°36'22.0432"N	103°20'14.2063"W	3.46	-3.24	1.22	
14447.00	91.290	164.460	12107.77	1173.22	-872.11	1198.48	1064945.82	717907.00	31°36'21.2038"N	103°20'13.8971"W	1.90	-1.66	0.92	
14536.00	90.250	163.920	12106.57	1262.20	-957.74	1222.73	1064970.07	717821.38	31°36'20.3632"N	103°20'13.5902"W	1.32	-1.17	-0.61	
14625.00	90.550	163.530	12105.95	1351.20	-1043.17	1247.67	1064995.01	717735.96	31°36'19.5247"N	103°20'13.2752"W	0.55	0.34	-0.44	
14715.00	89.480	163.990	12105.93	1441.20	-1129.58	1272.84	1065020.17	717649.56	31°36'18.6766"N	103°20'12.9573"W	1.29	-1.19	0.51	
14805.00	89.540	164.200	12106.70	1531.19	-1216.13	1297.50	1065044.84	717563.01	31°36'17.8270"N	103°20'12.6452"W	0.24	0.07	0.23	
14895.00	89.880	163.880	12107.15	1621.19	-1302.66	1322.25	1065069.58	717476.49	31°36'16.9775"N	103°20'12.3322"W	0.52	0.38	-0.36	
14986.00	89.880	164.080	12107.34	1712.19	-1390.12	1347.36	1065094.69	717389.03	31°36'16.1190"N	103°20'12.0146"W	0.22	0.00	0.22	
15076.00	88.980	162.860	12108.24	1802.18	-1476.40	1372.96	1065120.29	717302.76	31°36'15.2723"N	103°20'11.6917"W	1.68	-1.00	-1.36	
15180.00	89.080	162.740	12110.00	1906.15	-1575.73	1403.71	1065151.04	717203.43	31°36'14.2978"N	103°20'11.3053"W	0.15	0.10	-0.12	
15271.00	90.150	165.150	12110.61	1997.14	-1663.17	1428.88	1065176.20	717116.00	31°36'13.4395"N	103°20'10.9872"W	2.90	1.18	2.65	
15361.00	89.970	164.690	12110.52	2087.12	-1750.07	1452.29	1065199.62	717029.10	31°36'12.5861"N	103°20'10.6894"W	0.55	-0.20	-0.51	
15451.00	91.360	163.460	12109.47	2177.11	-1836.61	1476.98	1065224.31	716942.57	31°36'11.7366"N	103°20'10.3770"W	2.06	1.54	-1.37	
15541.00	90.890	162.260	12107.71	2267.08	-1922.59	1503.50	1065250.82	716856.59	31°36'10.8930"N	103°20'10.0437"W	1.43	-0.52	-1.33	
15632.00	91.630	163.530	12105.70	2358.05	-2009.54	1530.26	1065277.58	716769.65	31°36'10.0400"N	103°20'9.7072"W	1.61	0.81	1.40	
15721.00	90.770	163.340	12103.84	2447.03	-2094.83	1555.63	1065302.95	716684.36	31°36'9.2030"N	103°20'9.3874"W	0.99	-0.97	-0.21	
15810.00	90.490	163.200	12102.86	2536.02	-2180.06	1581.25	1065328.56	716599.14	31°36'8.3667"N	103°20'9.0647"W	0.35	-0.31	-0.16	
15899.00	90.280	163.250	12102.26	2625.01	-2265.27	1606.93	1065354.25	716513.94	31°36'7.5306"N	103°20'8.7413"W	0.24	-0.24	0.06	
15988.00	90.180	163.710	12101.91	2714.01	-2350.59	1632.24	1065379.55	716428.62	31°36'6.6933"N	103°20'8.4221"W	0.53	-0.11	0.52	
16076.00	90.590	159.240	12101.32	2801.92	-2434.01	1660.19	1065407.50	716345.21	31°36'5.8755"N	103°20'8.0730"W	5.10	0.47	-5.08	
16166.00	90.890	159.060	12100.15	2891.63	-2518.11	1692.22	1065439.53	716261.11	31°36'5.0521"N	103°20'7.6766"W	0.39	0.33	-0.20	Last BH MWD Survey @ 16166'
16231.00‡	90.890	159.060	12099.14	2956.40	-2578.81	1715.45	1065462.76	716200.42	31°36'4.4578"N	103°20'7.3892"W	0.00	0.00	0.00	Projection to TD @ 16231'



REFERENCE WELLPATH IDENTIFICATION			
Operator	POINT ENERGY PARTNERS PETRO, LLC	Well	UL Dino Juice 18-40-45 WB1 #3H
Field	Phantom (Wolfcamp) - Ward County, TX	API	42-475-38203
Facility	UL Dino Juice 18-40-45 Pad	Wellbore	UL Dino Juice 18-40-45 WB1 #3H
Slot	UL Dino Juice 18-40-45 WB1 #3H	Sidetrack from	UL Dino Juice 18-40-45 WB1 #3H Pilot Hole Final 117' - 13399' Proj: 13460' at 9903.00 MD

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
UL Dino Juice 18-40-45 WB1 #3H BTP/BHL Rev-G.0	11958.73	-12549.76	4607.05	1068354.17	706230.11	31°34'26.5869"N	103°19'30.8674"W	rectangle
	2D Rectangle 14220.8 x 40.							
UL Dino Juice 18-40-45 WB1 #3H POP/TTP Rev-G.0	12282.00	663.53	746.09	1064493.46	719442.55	31°36'36.2747"N	103°20'19.6058"W	point

WELLPATH COMPOSITION - Ref Wellbore: UL Dino Juice 18-40-45 WB1 #3H Ref Wellpath: UL Dino Juice 18-40-45 WB1 #3H FINAL 9998' - 16166' Proj: 16231'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
27.00	9903.00	OWSG MWD rev2 + HRGM	DrilTech MWD Surveys 117' - 13399'	UL Dino Juice 18-40-45 WB1 #3H Pilot Hole	03/Aug/2021
9903.00	11866.00	ISCWSA MWD, Rev. 4 (Standard)	DrillTech Pilot Hole MWD Surveys 9998' - 11866'	UL Dino Juice 18-40-45 WB1 #3H	03/Sep/2021
11866.00	16231.00	OWSG MWD rev2 + HRGM	8 3/4" Curve/Lateral Section 11913' - 16166'	UL Dino Juice 18-40-45 WB1 #3H	24/Oct/2021

Railroad Commission of Texas
Oil & Gas Division
P. O. Box 12967
Capitol Station
Austin, TX 78711

Attention: Tina Klein

POINT ENERGY PARTNERS PETRO, LLC
UL Dino Juice 18-40-45 WB1 #3H
Phantom (Wolfcamp)
Ward County, TX
API# 42-475-38203-00

I, Gail Deering, Technical Support Engineer, certify that I am employed by Baker Hughes; did conduct or supervise on the day(s) of 10/25/2021 through 11/02/2021 conduct or supervise the taking of a MWD survey from a depth of 11913 feet to a depth of 16166 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Baker Hughes; that I am authorized and qualified to make this report; that this survey was conducted at the request of POINT ENERGY PARTNERS PETRO, LLC for the UL Dino Juice 18-40-45 WB1 #3H Well, API No. 42-475-38203-00 in Ward County, Texas; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Baker Hughes.

Gail Deering

Technical Support Engineer

SO#: 110946971

COMPANY: Point Energy Partners
PROJECT: Ward County, Texas (NAD 27)
SITE: UL Dino Juice 18-40-45
WELL: UL Dino Juice 18-40-45 WB1 #3H
MAP SYSTEM: US State Plane 1927 (Exact solution)
MAP ZONE: Texas Central 4203
NORTH REF: Grid
KB-MSL: 2872
GLE: 2845

WELLBORE: Wellbore #3
DESIGN: Surveys
VS AZI: 163.71

SURVEY TOOL PROGRAM:
H 27.00 - 1403.00 INVICTUS MWD : MWD
H 1403.00 - 11866.00 DRILTECH MWD : MWD+HRGM
H 11913.00 - 15721.00 BAKER MWD : MWD+HRGM
H 15885.00 - 26772.00 MS MWD + FDIR : MWD+HRGM+SAG+FDIR

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	0	2872	0	0	718779.1	1063747	31° 36' 29.1"	103° 20' 28"	0	0	0	
27	0	360	27	27	2845	0	0	718779.1	1063747	31° 36' 29.1"	103° 20' 28"	0	360	0	
117	0.1	100.9592	90	117	2755	-0.0149	0.0771	718779	1063747	31° 36' 29.1"	103° 20' 28"	0.1111	100.9592	0.04	
151	0.6	40.9592	34	150.9993	2721.001	0.1139	0.2229	718779.2	1063748	31° 36' 29.1"	103° 20' 28"	1.6376	291.052	-0.05	
179	0.7	92.9592	28	178.9977	2693.002	0.2157	0.4898	718779.3	1063748	31° 36' 29.1"	103° 20' 28"	2.0604	107.0358	-0.07	
207	0.7	67.9592	28	206.9957	2665.004	0.2711	0.8192	718779.3	1063748	31° 36' 29.1"	103° 20' 28"	1.0822	257.5009	-0.03	
237	0.1	97.9592	30	236.9948	2635.005	0.3363	1.015	718779.4	1063748	31° 36' 29.1"	103° 20' 28"	2.0514	175.3399	-0.04	
269	0.4	160.9592	32	268.9945	2603.006	0.2268	1.0791	718779.3	1063748	31° 36' 29.1"	103° 20' 28"	1.1426	77.1045	0.08	
301	0.1	166.9592	32	300.9942	2571.006	0.094	1.1218	718779.2	1063749	31° 36' 29.1"	103° 20' 28"	0.9398	178.0081	0.22	
332	0.4	98.9592	31	331.9939	2540.006	0.0508	1.2348	718779.1	1063749	31° 36' 29.1"	103° 20' 28"	1.2071	277.6545	0.3	
363	0.6	165.9592	31	362.9929	2509.007	-0.1235	1.3811	718778.9	1063749	31° 36' 29.1"	103° 20' 28"	1.8599	106.6858	0.51	
395	0.6	225.9592	32	394.9914	2477.009	-0.4025	1.3013	718778.7	1063749	31° 36' 29.1"	103° 20' 28"	1.875	119.9986	0.75	
426	0.3	118.9592	31	425.9908	2446.009	-0.5547	1.2556	718778.5	1063749	31° 36' 29.1"	103° 20' 28"	2.4037	202.645	0.88	
458	0.6	172.9592	32	457.9899	2414.01	-0.7615	1.3495	718778.3	1063749	31° 36' 29.1"	103° 20' 28"	1.5258	83.8063	1.11	

489	0.1	143.9592	31	488.9893	2383.011	-0.9445	1.3853	718778.1	1063749 31° 36' 29.1103° 20' 28	1.6607	185.4036	1.3
521	0.4	145.9592	32	520.9889	2351.011	-1.0596	1.4642	718778	1063749 31° 36' 29.1103° 20' 28	0.9378	2.6664	1.43
552	0.5	207.9592	31	551.9881	2320.012	-1.2688	1.4614	718777.8	1063749 31° 36' 29.1103° 20' 28	1.5206	110.5223	1.63
584	0.6	155.9592	32	583.9868	2288.013	-1.5451	1.4642	718777.5	1063749 31° 36' 29.1103° 20' 28	1.5328	254.5595	1.89
615	0.7	200.9592	31	614.985	2257.015	-1.8702	1.4626	718777.2	1063749 31° 36' 29.1103° 20' 28	1.6322	101.978	2.21
678	0.8	191.9592	63	677.9796	2194.02	-2.6598	1.2338	718776.4	1063749 31° 36' 29.1103° 20' 28	0.2448	305.7685	2.9
709	0.8	182.9592	31	708.9766	2163.023	-3.0877	1.1778	718776	1063749 31° 36' 29.1103° 20' 28	0.4049	265.5004	3.29
741	0.5	126.9592	32	740.9748	2131.025	-3.3947	1.2778	718775.7	1063749 31° 36' 29.1103° 20' 28	2.0791	218.5395	3.62
772	0.3	152.9592	31	771.9741	2100.026	-3.5483	1.4228	718775.5	1063749 31° 36' 29.1103° 20' 28	0.8557	150.2783	3.8
804	0.6	119.9592	32	803.9731	2068.027	-3.7066	1.606	718775.4	1063749 31° 36' 29.1103° 20' 28	1.2025	301.8751	4.01
835	0.5	191.9592	31	834.972	2037.028	-3.92	1.7186	718775.1	1063749 31° 36' 29.1103° 20' 28	2.1019	133.131	4.24
867	0.8	114.9592	32	866.9704	2005.03	-4.1509	1.8922	718774.9	1063749 31° 36' 29.1103° 20' 27	2.6332	247.6803	4.51
898	0.5	183.9592	31	897.9688	1974.031	-4.3771	2.0791	718774.7	1063749 31° 36' 29.1103° 20' 27	2.5055	143.0593	4.78
930	0.7	183.9592	32	929.967	1942.033	-4.7114	2.056	718774.3	1063749 31° 36' 29.1103° 20' 27	0.625	0	5.1
961	0.5	184.9592	31	960.9653	1911.035	-5.0351	2.0312	718774	1063749 31° 36' 29.1103° 20' 27	0.646	177.5027	5.4
992	0.9	151.9592	31	991.963	1880.037	-5.3847	2.134	718773.7	1063750 31° 36' 29.1103° 20' 27	1.7821	297.4681	5.77
1024	0.9	162.9592	32	1023.959	1848.041	-5.8468	2.3258	718773.2	1063750 31° 36' 29.1103° 20' 27	0.5391	95.4993	6.26
1055	0.8	147.9592	31	1054.956	1817.044	-6.2631	2.5119	718772.8	1063750 31° 36' 29.1103° 20' 27	0.784	238.4245	6.72
1087	0.4	199.9592	32	1086.954	1785.046	-6.5574	2.5923	718772.5	1063750 31° 36' 29.1103° 20' 27	1.9911	150.3494	7.02
1118	0.6	210.9592	31	1117.953	1754.047	-6.7983	2.4719	718772.3	1063750 31° 36' 29.1103° 20' 27	0.7127	31.2078	7.22
1181	0.4	201.9592	63	1180.951	1691.05	-7.2851	2.2199	718771.8	1063750 31° 36' 29.1103° 20' 27	0.3401	196.98	7.62
1212	0.9	173.9592	31	1211.949	1660.052	-7.6276	2.2051	718771.4	1063750 31° 36' 29.1103° 20' 27	1.865	313.0478	7.94
1244	0.8	155.9592	32	1243.945	1628.055	-8.0815	2.3226	718771	1063750 31° 36' 29.1103° 20' 27	0.8865	240.6254	8.41
1275	0.8	197.9592	31	1274.942	1597.058	-8.4851	2.344	718770.6	1063750 31° 36' 29.1103° 20' 27	1.8496	110.9981	8.8
1307	1	191.9592	32	1306.938	1565.062	-8.9707	2.2172	718770.1	1063750 31° 36' 29.1103° 20' 27	0.6901	331.7494	9.23
1338	1	186.9592	31	1337.934	1534.066	-9.5039	2.1284	718769.6	1063750 31° 36' 29.1103° 20' 27	0.2814	267.5004	9.72
1369	0.8	154.9592	31	1368.93	1503.07	-9.9685	2.1872	718769.1	1063750 31° 36' 29.1103° 20' 27	1.7164	232.8202	10.18
1403	1.2	177.9592	34	1402.925	1469.075	-10.5393	2.3004	718768.5	1063750 31° 36' 29.1103° 20' 27	1.6445	56.9872	10.76
1489	0.62	150.98	86	1488.914	1383.086	-11.8462	2.5582	718767.2	1063750 31° 36' 29.1103° 20' 27	0.8208	203.4814	12.09
1552	0	307.77	63	1551.913	1320.087	-12.1443	2.7235	718766.9	1063750 31° 36' 29.1103° 20' 27	0.9841	180	12.42
1679	0	262.6	127	1678.913	1193.087	-12.1443	2.7235	718766.9	1063750 31° 36' 29.1103° 20' 27	0	262.6	12.42
1773	0	263.04	94	1772.913	1099.087	-12.1443	2.7235	718766.9	1063750 31° 36' 29.1103° 20' 27	0	263.04	12.42
1868	0.26	48.94	95	1867.912	1004.088	-12.0027	2.8861	718767.1	1063750 31° 36' 29.1103° 20' 27	0.2737	48.94	12.33
1963	2.37	68.45	95	1962.882	909.1178	-11.1395	4.8758	718767.9	1063752 31° 36' 29.1103° 20' 27	2.2386	21.8488	12.06
2057	4.48	63.96	94	2056.709	815.2909	-8.8137	9.9826	718770.2	1063757 31° 36' 29.1103° 20' 27	2.261	350.5095	11.26
2152	5.72	45.07	95	2151.338	720.6622	-3.8408	16.6686	718775.2	1063764 31° 36' 29.1103° 20' 27	2.1805	296.7851	8.36
2246	6.68	31.88	94	2244.792	627.2083	4.1106	22.8729	718783.2	1063770 31° 36' 29.1103° 20' 27	1.821	297.3018	2.47

2340	7.65	28.9	94	2338.057	533.9432	14.2309	28.7843	718793.3	1063776 31° 36' 29.1 103° 20' 27	1.1047	337.5511	-5.59
2434	8.62	35.05	94	2431.112	440.8884	25.4758	35.8539	718804.5	1063783 31° 36' 29.1 103° 20' 27	1.385	44.9697	-14.4
2529	8.97	31.8	95	2524.995	347.005	37.5985	43.8452	718816.7	1063791 31° 36' 29.1 103° 20' 27	0.6397	303.5451	-23.79
2624	9.76	25.12	95	2618.731	253.2691	51.1842	51.1666	718830.2	1063799 31° 36' 30.1 103° 20' 27	1.4131	302.682	-34.78
2718	10.64	21.25	94	2711.246	160.7545	66.4866	57.6943	718845.5	1063805 31° 36' 30.1 103° 20' 27	1.1861	320.1743	-47.63
2812	11.61	21.16	94	2803.478	68.522	83.3958	64.254	718862.5	1063812 31° 36' 30.1 103° 20' 27	1.0321	358.9302	-62.02
2907	12.22	22.83	95	2896.431	-24.431	101.5774	71.6058	718880.6	1063819 31° 36' 30.1 103° 20' 27	0.7375	30.2952	-77.41
3002	12.22	21.34	95	2989.279	-117.279	120.2087	79.1655	718899.3	1063827 31° 36' 30.1 103° 20' 27	0.332	269.2719	-93.18
3097	12.4	21.34	95	3082.095	-210.095	139.0741	86.536	718918.1	1063834 31° 36' 30.1 103° 20' 27	0.1895	0	-109.22
3191	12.57	20.2	94	3173.872	-301.872	158.0743	93.7407	718937.1	1063841 31° 36' 31.1 103° 20' 26	0.3185	304.0403	-125.43
3286	11.96	20.55	95	3266.703	-394.703	176.9932	100.7655	718956.1	1063848 31° 36' 31.1 103° 20' 26	0.6469	173.2216	-141.62
3381	11.96	21.51	95	3359.641	-487.641	195.368	107.83	718974.4	1063855 31° 36' 31.1 103° 20' 26	0.2094	90.4696	-157.28
3475	11.78	21.25	94	3451.631	-579.631	213.3723	114.8789	718992.4	1063862 31° 36' 31.1 103° 20' 26	0.1998	196.42	-172.58
3571	11.26	23.45	96	3545.697	-673.697	231.1041	122.1605	719010.2	1063870 31° 36' 31.1 103° 20' 26	0.709	140.8789	-187.56
3665	11.87	24.24	94	3637.788	-765.788	248.3387	129.7817	719027.4	1063877 31° 36' 32.1 103° 20' 26	0.6704	14.942	-201.97
3761	12.57	28.9	96	3731.615	-859.615	266.4875	138.8841	719045.5	1063886 31° 36' 32.1 103° 20' 26	1.2593	56.9299	-216.83
3856	13.45	33.64	95	3824.178	-952.178	284.7367	150.0011	719063.8	1063897 31° 36' 32.1 103° 20' 26	1.4552	52.8137	-231.23
3951	13.81	31.45	95	3916.503	-1044.5	303.6077	162.0376	719082.7	1063909 31° 36' 32.1 103° 20' 26	0.6623	303.8311	-245.97
4046	12.75	29.07	95	4008.962	-1136.96	322.4437	173.0473	719101.5	1063920 31° 36' 32.1 103° 20' 26	1.2552	206.1285	-260.96
4141	13.1	26.96	95	4101.556	-1229.56	341.2023	183.0219	719120.3	1063930 31° 36' 32.1 103° 20' 26	0.6184	305.5291	-276.17
4235	14.6	26	94	4192.82	-1320.82	361.3467	193.0455	719140.4	1063940 31° 36' 33.1 103° 20' 25	1.6143	350.8233	-292.69
4330	15.12	24.85	95	4284.643	-1412.64	383.3512	203.5012	719162.4	1063951 31° 36' 33.1 103° 20' 25	0.6293	329.8828	-310.88
4426	14.16	24.77	96	4377.525	-1505.52	405.3748	213.6828	719184.4	1063961 31° 36' 33.1 103° 20' 25	1.0002	181.1679	-329.16
4520	13.89	23.27	94	4468.723	-1596.72	426.1797	222.9575	719205.2	1063970 31° 36' 33.1 103° 20' 25	0.4817	232.6711	-346.53
4615	13.89	20.28	95	4560.946	-1688.95	447.3511	231.4147	719226.4	1063979 31° 36' 33.1 103° 20' 25	0.7555	268.5487	-364.48
4711	13.63	19.32	96	4654.191	-1782.19	468.8339	239.1509	719247.9	1063987 31° 36' 34.1 103° 20' 25	0.3604	220.8252	-382.93
4806	14.42	25.2	95	4746.363	-1874.36	490.1015	247.8912	719269.2	1063995 31° 36' 34.1 103° 20' 25	1.714	63.8706	-400.89
4900	14.25	26.87	94	4837.437	-1965.44	511.0121	258.1036	719290.1	1064006 31° 36' 34.1 103° 20' 25	0.4756	113.1575	-418.1
4996	15.48	25.47	96	4930.223	-2058.22	533.1189	268.9536	719312.2	1064016 31° 36' 34.1 103° 20' 25	1.3347	343.0445	-436.28
5091	16.53	24.33	95	5021.539	-2149.54	556.8796	279.9738	719335.9	1064027 31° 36' 35.1 103° 20' 24	1.1537	342.786	-455.99
5185	15.65	22.48	94	5111.857	-2239.86	580.7802	290.3312	719359.8	1064038 31° 36' 35.1 103° 20' 24	1.0834	209.3403	-476.03
5280	14.86	21.87	95	5203.508	-2331.51	603.9256	299.7685	719383	1064047 31° 36' 35.1 103° 20' 24	0.8486	191.1901	-495.6
5376	15.21	22.39	96	5296.222	-2424.22	626.9935	309.1509	719406.1	1064057 31° 36' 35.1 103° 20' 24	0.3907	21.3283	-515.11
5471	15.48	22.48	95	5387.835	-2515.84	650.2306	318.7453	719429.3	1064066 31° 36' 36.1 103° 20' 24	0.2853	5.0844	-534.72
5566	15.39	23.27	95	5479.409	-2607.41	673.5256	328.573	719452.6	1064076 31° 36' 36.1 103° 20' 24	0.2407	113.5539	-554.32
5661	15.39	24.15	95	5571.003	-2699	696.6087	338.7106	719475.7	1064086 31° 36' 36.1 103° 20' 24	0.2458	90.4242	-573.63
5756	15.48	23.8	95	5662.576	-2790.58	719.7111	348.9841	719498.8	1064096 31° 36' 36.1 103° 20' 24	0.1363	313.8457	-592.93

5850	15.04	23.71	94	5753.262	-2881.26	742.3555	358.9505	719521.4	1064106 31° 36' 36.1 103° 20' 24	0.4688	183.0382	-611.87
5945	14.33	24.33	95	5845.158	-2973.16	764.3538	368.7506	719543.4	1064116 31° 36' 37.1 103° 20' 23	0.7655	167.8174	-630.23
6039	14.33	24.59	94	5936.233	-3064.23	785.5312	378.3839	719564.6	1064126 31° 36' 37.1 103° 20' 23	0.0685	90.126	-647.86
6135	14.33	24.41	96	6029.246	-3157.25	807.1525	388.2372	719586.2	1064136 31° 36' 37.1 103° 20' 23	0.0464	269.9128	-665.85
6231	14.33	23.8	96	6122.259	-3250.26	828.8408	397.9412	719607.9	1064145 31° 36' 37.1 103° 20' 23	0.1573	269.7045	-683.94
6326	13.45	24.59	95	6214.481	-3342.48	849.6444	407.2831	719628.7	1064155 31° 36' 38.1 103° 20' 23	0.9476	168.2215	-701.29
6422	14.33	25.64	96	6307.673	-3435.67	870.5074	417.07	719649.6	1064164 31° 36' 38.1 103° 20' 23	0.9535	16.4937	-718.57
6517	14.42	25.64	95	6399.698	-3527.7	891.7703	427.2757	719670.8	1064175 31° 36' 38.1 103° 20' 23	0.0947	0	-736.12
6612	14.51	25.21	95	6491.687	-3619.69	913.2019	437.4634	719692.3	1064185 31° 36' 38.1 103° 20' 23	0.1475	309.7519	-753.83
6707	14.51	25.64	95	6583.657	-3711.66	934.6986	447.6823	719713.8	1064195 31° 36' 38.1 103° 20' 23	0.1134	90.2081	-771.6
6803	14.25	25.29	96	6676.649	-3804.65	956.2237	457.9338	719735.3	1064205 31° 36' 39.1 103° 20' 23	0.2856	198.3163	-789.39
6897	13.89	26.79	94	6767.829	-3895.83	976.756	467.9616	719755.8	1064215 31° 36' 39.1 103° 20' 22	0.5451	135.3573	-806.28
6993	13.81	28.11	96	6861.038	-3989.04	997.1483	478.5537	719776.2	1064226 31° 36' 39.1 103° 20' 22	0.3395	104.8477	-822.88
7089	13.28	27.75	96	6954.368	-4082.37	1017.013	489.0862	719796.1	1064237 31° 36' 39.1 103° 20' 22	0.559	188.8642	-839
7183	13.37	27.67	94	7045.837	-4173.84	1036.193	499.1601	719815.3	1064247 31° 36' 39.1 103° 20' 22	0.0977	348.3833	-854.58
7278	12.93	27.49	95	7138.346	-4266.35	1055.349	509.1669	719834.4	1064257 31° 36' 40.1 103° 20' 22	0.4652	185.2295	-870.16
7374	12.93	26.35	96	7231.912	-4359.91	1074.501	518.8919	719853.6	1064266 31° 36' 40.1 103° 20' 22	0.2657	269.4445	-885.82
7470	13.37	25.47	96	7325.394	-4453.39	1094.147	528.4323	719873.2	1064276 31° 36' 40.1 103° 20' 22	0.5035	335.1054	-902
7565	12.93	25.2	95	7417.903	-4545.9	1113.68	537.6813	719892.7	1064285 31° 36' 40.1 103° 20' 22	0.4676	187.8159	-918.15
7661	11.61	22.57	96	7511.709	-4639.71	1132.32	545.9624	719911.4	1064293 31° 36' 40.1 103° 20' 22	1.4928	201.6681	-933.72
7756	10.55	22.3	95	7604.937	-4732.94	1149.194	552.9317	719928.3	1064300 31° 36' 41.1 103° 20' 21	1.1171	182.67	-947.96
7852	9.58	21.87	96	7699.458	-4827.46	1164.739	559.2424	719943.8	1064307 31° 36' 41.1 103° 20' 21	1.0134	184.2184	-961.11
7905	9.32	20.99	53	7751.739	-4879.74	1172.838	562.4225	719951.9	1064310 31° 36' 41.1 103° 20' 21	0.5612	208.6278	-967.99
7999	8.79	20.81	94	7844.567	-4972.57	1186.659	567.7007	719965.7	1064315 31° 36' 41.1 103° 20' 21	0.5646	182.9707	-979.78
8094	8.18	19.67	95	7938.527	-5066.53	1199.808	572.5544	719978.9	1064320 31° 36' 41.1 103° 20' 21	0.666	194.853	-991.04
8189	7.47	20.02	95	8032.642	-5160.64	1211.975	576.9435	719991	1064324 31° 36' 41.1 103° 20' 21	0.749	176.3337	-1001.49
8283	7.12	19.93	94	8125.881	-5253.88	1223.192	581.0211	720002.3	1064328 31° 36' 41.1 103° 20' 21	0.3725	181.8255	-1011.11
8378	6.68	20.9	95	8220.192	-5348.19	1233.889	584.9992	720012.9	1064332 31° 36' 41.1 103° 20' 21	0.4791	165.6471	-1020.26
8474	6.07	19.4	96	8315.598	-5443.6	1243.893	588.677	720023	1064336 31° 36' 41.1 103° 20' 21	0.6586	194.5272	-1028.83
8569	5.8	19.67	95	8410.089	-5538.09	1253.151	591.9612	720032.2	1064339 31° 36' 42.1 103° 20' 21	0.2857	174.2308	-1036.8
8663	5.36	20.63	94	8503.643	-5631.64	1261.732	595.1068	720040.8	1064343 31° 36' 42.1 103° 20' 21	0.4785	168.4997	-1044.15
8758	4.84	17.29	95	8598.267	-5726.27	1269.711	597.8613	720048.8	1064345 31° 36' 42.1 103° 20' 21	0.6301	208.0689	-1051.04
8853	2.02	26.61	95	8693.088	-5821.09	1275.036	599.8028	720054.1	1064347 31° 36' 42.1 103° 20' 21	3.0162	173.4429	-1055.6
8949	1.06	103.87	96	8789.06	-5917.06	1276.336	601.4229	720055.4	1064349 31° 36' 42.1 103° 20' 21	2.1498	149.9301	-1056.4
9045	1.49	113.27	96	8885.037	-6013.04	1275.63	603.4316	720054.7	1064351 31° 36' 42.1 103° 20' 21	0.4966	30.6888	-1055.16
9140	1.58	97.36	95	8980.003	-6108	1274.974	605.8651	720054	1064353 31° 36' 42.1 103° 20' 21	0.4569	273.8974	-1053.84
9235	1.32	89.45	95	9074.973	-6202.97	1274.817	608.2582	720053.9	1064356 31° 36' 42.1 103° 20' 21	0.3448	213.6809	-1053.02

9330	0.97	103.08	95	9169.954	-6297.95	1274.646	610.1357	720053.7	1064358 31° 36' 42.1103° 20' 21	0.4644	148.7927	-1052.33
9427	1.06	100.18	97	9266.938	-6394.94	1274.301	611.8185	720053.4	1064359 31° 36' 42.1103° 20' 21	0.1068	328.8277	-1051.53
9522	1.06	98.07	95	9361.922	-6489.92	1274.023	613.5534	720053.1	1064361 31° 36' 42.1103° 20' 21	0.0411	268.9452	-1050.77
9617	0.79	101.58	95	9456.91	-6584.91	1273.768	615.065	720052.8	1064362 31° 36' 42.1103° 20' 21	0.2903	169.8987	-1050.11
9712	0.97	93.5	95	9551.898	-6679.9	1273.587	616.5092	720052.6	1064364 31° 36' 42.1103° 20' 21	0.2297	321.333	-1049.53
9807	0.97	92	95	9646.885	-6774.88	1273.51	618.1155	720052.6	1064366 31° 36' 42.1103° 20' 21	0.0267	269.2501	-1049
9903	1.14	95.25	96	9742.869	-6870.87	1273.394	619.8786	720052.5	1064367 31° 36' 42.1103° 20' 21	0.1877	21.0215	-1048.4
9998	0.88	82.42	95	9837.854	-6965.85	1273.404	621.5428	720052.5	1064369 31° 36' 42.1103° 20' 21	0.3611	214.7223	-1047.94
10093	0.79	63.61	95	9932.844	-7060.84	1273.791	622.8526	720052.9	1064370 31° 36' 42.1103° 20' 21	0.3021	242.5726	-1047.94
10189	0.44	47.35	96	10028.84	-7156.84	1274.335	623.7166	720053.4	1064371 31° 36' 42.1103° 20' 21	0.4038	198.5282	-1048.22
10284	0.26	24.41	95	10123.84	-7251.84	1274.779	624.0739	720053.8	1064371 31° 36' 42.1103° 20' 21	0.2365	206.8064	-1048.55
10378	0.35	62.38	94	10217.84	-7345.84	1275.106	624.4165	720054.2	1064372 31° 36' 42.1103° 20' 21	0.2297	85.7724	-1048.77
10473	0.18	89.98	95	10312.83	-7440.83	1275.241	624.8228	720054.3	1064372 31° 36' 42.1103° 20' 21	0.2189	156.3562	-1048.78
10567	0.26	108.79	94	10406.83	-7534.83	1275.172	625.1723	720054.2	1064373 31° 36' 42.1103° 20' 21	0.1136	51.7388	-1048.62
10662	0.18	166.45	95	10501.83	-7629.83	1274.957	625.4114	720054	1064373 31° 36' 42.1103° 20' 21	0.2352	137.1091	-1048.35
10758	0.26	124.43	96	10597.83	-7725.83	1274.688	625.6263	720053.7	1064373 31° 36' 42.1103° 20' 21	0.1818	274.3233	-1048.03
10854	0.44	194.04	96	10693.83	-7821.83	1274.207	625.7166	720053.3	1064373 31° 36' 42.1103° 20' 21	0.4438	104.5044	-1047.54
10948	0.26	203.89	94	10787.83	-7915.83	1273.662	625.5426	720052.7	1064373 31° 36' 42.1103° 20' 21	0.2012	166.3988	-1047.07
11043	0.35	236.23	95	10882.83	-8010.83	1273.303	625.2142	720052.4	1064373 31° 36' 42.1103° 20' 21	0.2006	79.2012	-1046.81
11138	0.44	267.96	95	10977.83	-8105.83	1273.129	624.6084	720052.2	1064372 31° 36' 42.1103° 20' 21	0.2449	84.0205	-1046.82
11234	0.44	276.66	96	11073.82	-8201.82	1273.159	623.8739	720052.2	1064371 31° 36' 42.1103° 20' 21	0.0695	94.3499	-1047.05
11330	0.44	265.59	96	11169.82	-8297.82	1273.173	623.1403	720052.2	1064371 31° 36' 42.1103° 20' 21	0.0884	264.4652	-1047.27
11424	0.44	281.85	94	11263.82	-8391.82	1273.22	622.4272	720052.3	1064370 31° 36' 42.1103° 20' 21	0.1324	98.1298	-1047.51
11506	0.35	272.62	82	11345.82	-8473.82	1273.296	621.8688	720052.4	1064369 31° 36' 42.1103° 20' 21	0.1341	210.7046	-1047.74
11598	0.35	329.83	92	11437.81	-8565.81	1273.551	621.4469	720052.6	1064369 31° 36' 42.1103° 20' 21	0.3643	118.6046	-1048.11
11688	0.35	335.9	90	11527.81	-8655.81	1274.04	621.1965	720053.1	1064369 31° 36' 42.1103° 20' 21	0.0412	93.0349	-1048.65
11776	0.44	338.97	88	11615.81	-8743.81	1274.601	620.9655	720053.7	1064368 31° 36' 42.1103° 20' 21	0.105	14.7714	-1049.25
11866	0.35	335.9	90	11705.81	-8833.81	1275.174	620.7293	720054.2	1064368 31° 36' 42.1103° 20' 21	0.1027	191.7014	-1049.87
11913	1.07	180.3	47	11752.81	-8880.81	1274.866	620.6683	720053.9	1064368 31° 36' 42.1103° 20' 21	2.9707	198.4569	-1049.59
11946	4.88	176.52	33	11785.76	-8913.76	1273.157	620.752	720052.2	1064368 31° 36' 42.1103° 20' 21	11.5545	355.1622	-1047.92
12034	14.58	174.27	88	11872.39	-9000.39	1258.364	622.0882	720037.4	1064370 31° 36' 42.1103° 20' 21	11.0291	356.6392	-1033.35
12122	23.24	165.24	88	11955.57	-9083.57	1230.496	627.629	720009.6	1064375 31° 36' 41.1103° 20' 21	10.3597	336.9913	-1005.05
12211	33.67	167.83	89	12033.72	-9161.72	1189.284	637.3307	719968.3	1064385 31° 36' 41.1103° 20' 21	11.7983	7.9014	-962.77
12300	40.96	168.89	89	12104.45	-9232.45	1136.471	648.1675	719915.5	1064396 31° 36' 40.1103° 20' 20	8.2225	5.4632	-909.04
12389	51.32	170.54	89	12166.04	-9294.04	1073.406	659.5296	719852.5	1064407 31° 36' 40.1103° 20' 20	11.7162	7.1343	-845.32
12478	61.37	170.25	89	12215.3	-9343.3	1000.457	671.8856	719779.5	1064419 31° 36' 39.1103° 20' 20	11.2954	358.5416	-771.83
12567	70.56	169.49	89	12251.51	-9379.51	920.531	686.1855	719699.6	1064434 31° 36' 38.1103° 20' 20	10.3552	355.5208	-691.1

12656	77.93	168.83	89	12275.66	-9403.66	836.4632	702.2922	719615.5	1064450	31° 36' 37.1" 103° 20' 20"	8.3115	354.9807	-605.89
12745	88.46	168.12	89	12286.19	-9414.19	749.9956	719.9297	719529.1	1064467	31° 36' 37.1" 103° 20' 19"	11.8579	356.122	-517.95
12834	93.98	166.18	89	12284.3	-9412.3	663.2815	739.7086	719442.3	1064487	31° 36' 36.1" 103° 20' 19"	6.5737	340.6521	-429.17
12923	94.97	165.29	89	12277.35	-9405.35	577.2905	761.5711	719356.4	1064509	31° 36' 35.1" 103° 20' 19"	1.4937	318.1655	-340.49
13012	95.62	162.49	89	12269.14	-9397.14	492.1591	786.1579	719271.2	1064534	31° 36' 34.1" 103° 20' 19"	3.2166	283.25	-251.88
13101	97.2	163.14	89	12259.2	-9387.2	407.6674	812.289	719186.7	1064560	31° 36' 33.1" 103° 20' 18"	1.9179	22.2003	-163.45
13190	97.29	163.67	89	12247.98	-9375.98	323.0557	837.5048	719102.1	1064585	31° 36' 32.1" 103° 20' 18"	0.5993	80.253	-75.17
13279	97.35	163.46	89	12236.64	-9364.64	238.3879	862.4801	719017.4	1064610	31° 36' 32.1" 103° 20' 18"	0.2435	286.083	13.11
13368	97.66	163.41	89	12225.01	-9353.01	153.8126	887.6369	718932.9	1064635	31° 36' 31.1" 103° 20' 17"	0.3527	350.9181	101.34
13463	97.29	163.03	95	12212.65	-9340.65	63.631	914.8301	718842.7	1064662	31° 36' 30.1" 103° 20' 17"	0.5559	225.5443	195.53
13552	97.63	163.77	89	12201.1	-9329.1	-20.937	940.0412	718758.1	1064687	31° 36' 29.1" 103° 20' 17"	0.9086	65.0902	283.78
13642	98.16	164.09	90	12188.74	-9316.74	-106.6	964.7181	718672.5	1064712	31° 36' 28.1" 103° 20' 16"	0.6862	30.8597	372.92
13732	97.38	162.76	90	12176.57	-9304.57	-192.065	990.1568	718587	1064738	31° 36' 27.1" 103° 20' 16"	1.7015	239.4699	462.09
13823	97.82	162.3	91	12164.53	-9292.53	-278.105	1017.235	718501	1064765	31° 36' 27.1" 103° 20' 16"	0.6963	314.0097	552.27
13913	97.63	162.62	90	12152.44	-9280.44	-363.142	1044.113	718415.9	1064792	31° 36' 26.1" 103° 20' 15"	0.4107	120.9079	641.44
14002	97.07	162.81	89	12141.05	-9269.05	-447.424	1070.339	718331.6	1064818	31° 36' 25.1" 103° 20' 15"	0.6639	161.3898	729.69
14091	94.47	162.18	89	12132.1	-9260.1	-531.864	1096.972	718247.2	1064844	31° 36' 24.1" 103° 20' 15"	3.005	193.5872	818.21
14180	94.38	164.04	89	12125.24	-9253.24	-616.767	1122.752	718162.3	1064870	31° 36' 23.1" 103° 20' 14"	2.0861	92.7065	906.94
14269	95.65	162.55	89	12117.45	-9245.45	-701.681	1148.234	718077.4	1064896	31° 36' 22.1" 103° 20' 14"	2.1949	310.6141	995.59
14358	92.77	163.64	89	12110.92	-9238.92	-786.596	1174.039	717992.5	1064921	31° 36' 22.1" 103° 20' 14"	3.4587	159.2783	1084.33
14447	91.29	164.46	89	12107.77	-9235.77	-872.113	1198.48	717906.9	1064946	31° 36' 21.1" 103° 20' 13"	1.9008	151.0108	1173.27
14536	90.25	163.92	89	12106.57	-9234.57	-957.737	1222.725	717821.3	1064970	31° 36' 20.1" 103° 20' 13"	1.3166	207.4417	1262.26
14625	90.55	163.53	89	12105.95	-9233.95	-1043.17	1247.667	717735.9	1064995	31° 36' 19.1" 103° 20' 13"	0.5528	307.5705	1351.26
14715	89.48	163.99	90	12105.93	-9233.93	-1129.58	1272.836	717649.5	1065020	31° 36' 18.1" 103° 20' 12"	1.2941	156.7363	1441.26
14805	89.54	164.2	90	12106.7	-9234.7	-1216.13	1297.499	717562.9	1065045	31° 36' 17.1" 103° 20' 12"	0.2427	74.055	1531.25
14895	89.88	163.88	90	12107.15	-9235.15	-1302.66	1322.245	717476.4	1065070	31° 36' 16.1" 103° 20' 12"	0.5188	316.7351	1621.25
14986	89.88	164.08	91	12107.34	-9235.34	-1390.12	1347.359	717388.9	1065095	31° 36' 16.1" 103° 20' 12"	0.2198	90.0002	1712.25
15076	88.98	162.86	90	12108.24	-9236.24	-1476.4	1372.963	717302.7	1065120	31° 36' 15.1" 103° 20' 11"	1.6844	233.5775	1802.24
15180	89.08	162.74	104	12110	-9238	-1575.73	1403.713	717203.3	1065151	31° 36' 14.1" 103° 20' 11"	0.1502	309.8086	1906.21
15271	90.15	165.15	91	12110.61	-9238.61	-1663.17	1428.877	717115.9	1065176	31° 36' 13.1" 103° 20' 10"	2.8976	66.0706	1997.2
15361	89.97	164.69	90	12110.52	-9238.52	-1750.07	1452.292	717029	1065200	31° 36' 12.1" 103° 20' 10"	0.5488	248.6297	2087.18
15451	91.36	163.46	90	12109.47	-9237.47	-1836.61	1476.983	716942.5	1065224	31° 36' 11.1" 103° 20' 10"	2.0622	318.5019	2177.17
15541	90.89	162.26	90	12107.71	-9235.71	-1922.59	1503.501	716856.5	1065251	31° 36' 10.1" 103° 20' 10"	1.4317	248.6202	2267.14
15632	91.63	163.53	91	12105.7	-9233.7	-2009.54	1530.259	716769.5	1065278	31° 36' 10.1" 103° 20' 9."	1.6149	59.7528	2358.11
15721	90.77	163.34	89	12103.84	-9231.84	-2094.83	1555.627	716684.2	1065303	31° 36' 9.2" 103° 20' 9."	0.9896	192.4577	2447.08 Tie-in to Baker MWD-15721.00' MD
15885	90.06	162.5	164	12102.65	-9230.65	-2251.59	1603.793	716527.5	1065351	31° 36' 7.6" 103° 20' 8."	0.6706	229.7972	2611.06
15915	90.26	158.93	30	12102.57	-9230.57	-2279.9	1613.7	716499.2	1065361	31° 36' 7.3" 103° 20' 8."	11.9186	273.2105	2641.02

15945	90.4	159.2	30	12102.4	-9230.4	-2307.92	1624.419	716471.1	1065372 31° 36' 7.1" 103° 20' 8.1"	1.0138	62.5913	2670.92
15975	91.48	161.04	30	12101.9	-9229.9	-2336.13	1634.618	716442.9	1065382 31° 36' 6.8" 103° 20' 8.1"	7.111	59.573	2700.85
16005	91.36	160.86	30	12101.16	-9229.16	-2364.48	1644.407	716414.6	1065392 31° 36' 6.5" 103° 20' 8.1"	0.721	236.3041	2730.81
16034	91	160.63	29	12100.56	-9228.56	-2391.85	1653.969	716387.2	1065401 31° 36' 6.2" 103° 20' 8.1"	1.473	212.571	2759.76
16064	90.36	160.45	30	12100.21	-9228.21	-2420.13	1663.962	716358.9	1065411 31° 36' 6.0" 103° 20' 8.1"	2.2161	195.7087	2789.71
16092	90.49	162.43	28	12100	-9228	-2446.67	1672.874	716332.4	1065420 31° 36' 5.7" 103° 20' 7.1"	7.0865	86.2365	2817.69
16123	91.62	165.34	31	12099.43	-9227.43	-2476.45	1681.476	716302.6	1065429 31° 36' 5.4" 103° 20' 7.1"	10.0684	68.7524	2848.68
16153	90.88	164.01	30	12098.77	-9226.77	-2505.37	1689.403	716273.7	1065437 31° 36' 5.1" 103° 20' 7.1"	5.0724	240.9188	2878.67
16179	89.42	162.62	26	12098.71	-9226.71	-2530.28	1696.867	716248.8	1065444 31° 36' 4.9" 103° 20' 7.1"	7.7532	223.5969	2904.67
16213	89.22	162.44	34	12099.11	-9227.11	-2562.71	1707.074	716216.4	1065454 31° 36' 4.6" 103° 20' 7.1"	0.7914	221.9842	2938.66
16243	90.92	159.69	30	12099.07	-9227.07	-2591.08	1716.807	716188	1065464 31° 36' 4.3" 103° 20' 7.1"	10.7765	301.7194	2968.62
16273	91.01	159.89	30	12098.57	-9226.57	-2619.23	1727.17	716159.8	1065475 31° 36' 4.0" 103° 20' 7.1"	0.731	65.7676	2998.55
16291	90.75	159.08	18	12098.29	-9226.29	-2636.08	1733.477	716143	1065481 31° 36' 3.8" 103° 20' 7.1"	4.7256	252.2086	3016.5
16390	90.99	158.74	99	12096.79	-9224.79	-2728.44	1769.096	716050.6	1065517 31° 36' 2.9" 103° 20' 6.1"	0.4203	305.2232	3115.14
16480	91.63	160.97	90	12094.73	-9222.73	-2812.91	1800.082	715966.2	1065548 31° 36' 2.1" 103° 20' 6.1"	2.5772	73.9593	3204.9
16569	92.4	162.81	89	12091.6	-9219.6	-2897.44	1827.729	715881.6	1065575 31° 36' 1.3" 103° 20' 5.1"	2.2399	67.2487	3293.8
16658	93.06	165.32	89	12087.36	-9215.36	-2982.92	1852.134	715796.1	1065600 31° 36' 0.4" 103° 20' 5.1"	2.913	75.1942	3382.69
16747	94.14	167.94	89	12081.77	-9209.77	-3069.33	1872.673	715709.7	1065620 31° 35' 59.1" 103° 20' 5.1"	3.1787	67.4795	3471.39
16836	94.75	166.49	89	12074.87	-9202.87	-3155.86	1892.308	715623.2	1065640 31° 35' 58.1" 103° 20' 5.1"	1.763	292.9327	3559.95
16927	94.67	166.33	91	12067.4	-9195.4	-3244.01	1913.618	715535.1	1065661 31° 35' 57.1" 103° 20' 4.1"	0.196	243.3639	3650.54
17017	94.32	166.27	90	12060.35	-9188.35	-3331.18	1934.868	715447.9	1065682 31° 35' 57.1" 103° 20' 4.1"	0.3945	189.7006	3740.18
17106	94.32	166.92	89	12053.64	-9181.64	-3417.51	1955.442	715361.6	1065703 31° 35' 56.1" 103° 20' 4.1"	0.7283	89.9755	3828.81
17196	94.31	166.8	90	12046.87	-9174.87	-3504.9	1975.844	715274.2	1065723 31° 35' 55.1" 103° 20' 4.1"	0.1334	265.2274	3918.42
17286	94.47	166.7	90	12039.98	-9167.98	-3592.25	1996.411	715186.8	1065744 31° 35' 54.1" 103° 20' 3.1"	0.2095	328.074	4008.03
17377	94.36	166.57	91	12032.98	-9160.98	-3680.52	2017.384	715098.5	1065765 31° 35' 53.1" 103° 20' 3.1"	0.1868	229.6847	4098.64
17467	93.35	166.82	90	12026.93	-9154.93	-3767.91	2038.049	715011.2	1065785 31° 35' 52.1" 103° 20' 3.1"	1.1559	166.119	4188.31
17558	93.4	166.47	91	12021.57	-9149.57	-3856.29	2059.032	714922.8	1065806 31° 35' 51.1" 103° 20' 3.1"	0.3879	278.1543	4279.04
17648	93.32	165.69	90	12016.3	-9144.3	-3943.5	2080.645	714835.6	1065828 31° 35' 51.1" 103° 20' 2.1"	0.8697	264.1569	4368.8
17738	92.97	165.32	90	12011.36	-9139.36	-4030.5	2103.138	714748.6	1065851 31° 35' 50.1" 103° 20' 2.1"	0.5655	226.5583	4458.62
17919	90.68	162.52	181	12005.59	-9133.59	-4204.3	2153.24	714574.8	1065901 31° 35' 48.1" 103° 20' 1.1"	1.9978	230.7596	4639.5
18010	90.24	162.76	91	12004.86	-9132.86	-4291.16	2180.391	714487.9	1065928 31° 35' 47.1" 103° 20' 1.1"	0.5508	151.3893	4730.48
18100	90.48	163.06	90	12004.3	-9132.3	-4377.18	2206.839	714401.9	1065954 31° 35' 46.1" 103° 20' 1.1"	0.4269	51.3388	4820.47
18198	90.31	162.63	98	12003.62	-9131.62	-4470.82	2235.745	714308.2	1065983 31° 35' 45.1" 103° 20' 0.1"	0.4718	248.4298	4918.46
18293	90.79	162.48	95	12002.71	-9130.71	-4561.44	2264.223	714217.6	1066012 31° 35' 44.1" 103° 20' 0.1"	0.5294	342.6474	5013.43
18383	89.87	160.97	90	12002.19	-9130.19	-4646.9	2292.444	714132.2	1066040 31° 35' 44.1" 103° 20' 0.1"	1.9646	238.6529	5103.38
18482	90.16	166.74	99	12002.16	-9130.16	-4741.96	2319.961	714037.1	1066067 31° 35' 43.1" 103° 19' 59"	5.8356	87.1244	5202.33
18577	90.63	167.71	95	12001.51	-9129.51	-4834.6	2340.967	713944.5	1066088 31° 35' 42.1" 103° 19' 59"	1.1346	64.1449	5297.15

18671	91.03	164.84	94	12000.15	-9128.15	-4925.9	2363.265	713853.2	1066111 31° 35' 41.1 103° 19' 59	3.0824	277.9543	5391.04
18766	90.51	164.97	95	11998.87	-9126.87	-5017.61	2388.002	713761.5	1066135 31° 35' 40.1 103° 19' 58	0.5642	165.964	5486.01
18860	90.71	164.97	94	11997.87	-9125.87	-5108.39	2412.377	713670.7	1066160 31° 35' 39.1 103° 19' 58	0.2128	0	5579.98
18955	90.28	162.46	95	11997.05	-9125.05	-5199.57	2439.014	713579.5	1066186 31° 35' 38.1 103° 19' 58	2.6805	260.2908	5674.97
19050	90.76	162.29	95	11996.19	-9124.19	-5290.1	2467.777	713489	1066215 31° 35' 37.1 103° 19' 57	0.536	340.499	5769.94
19144	90.88	164.76	94	11994.84	-9122.84	-5380.23	2494.43	713398.8	1066242 31° 35' 36.1 103° 19' 57	2.6305	87.2011	5863.92
19239	92.06	164.62	95	11992.4	-9120.4	-5471.82	2519.506	713307.2	1066267 31° 35' 36.1 103° 19' 57	1.2508	353.2377	5958.87
19333	91.98	164.59	94	11989.09	-9117.09	-5562.4	2544.444	713216.7	1066292 31° 35' 35.1 103° 19' 56	0.0909	200.5449	6052.8
19428	91.43	164.93	95	11986.26	-9114.26	-5654.01	2569.405	713125	1066317 31° 35' 34.1 103° 19' 56	0.6806	148.2825	6147.74
19523	90.58	164.78	95	11984.6	-9112.6	-5745.7	2594.221	713033.4	1066342 31° 35' 33.1 103° 19' 56	0.9086	190.0079	6242.71
19618	90.82	164.78	95	11983.44	-9111.44	-5837.36	2619.159	712941.7	1066367 31° 35' 32.1 103° 19' 55	0.2526	0	6337.69
19712	90	164.89	94	11982.77	-9110.77	-5928.08	2643.749	712851	1066391 31° 35' 31.1 103° 19' 55	0.8802	172.3593	6431.67
19807	89.64	165.28	95	11983.06	-9111.06	-6019.88	2668.2	712759.2	1066416 31° 35' 30.1 103° 19' 55	0.5587	132.71	6526.64
19901	89.61	164.78	94	11983.68	-9111.68	-6110.69	2692.481	712668.4	1066440 31° 35' 29.1 103° 19' 54	0.5329	266.5647	6620.61
19995	89.76	163.19	94	11984.2	-9112.2	-6201.04	2718.413	712578	1066466 31° 35' 28.1 103° 19' 54	1.699	275.3847	6714.6
20089	88.14	162.83	94	11985.92	-9113.92	-6290.92	2745.875	712488.1	1066493 31° 35' 28.1 103° 19' 54	1.7654	192.5239	6808.58
20184	88.27	163.11	95	11988.89	-9116.89	-6381.71	2773.684	712397.4	1066521 31° 35' 27.1 103° 19' 53	0.3248	65.0889	6903.52
20278	88.72	163.29	94	11991.36	-9119.36	-6471.66	2800.844	712307.4	1066548 31° 35' 26.1 103° 19' 53	0.5156	21.797	6997.49
20373	89.83	163.1	95	11992.56	-9120.56	-6562.6	2828.307	712216.5	1066576 31° 35' 25.1 103° 19' 53	1.1854	350.2862	7092.47
20467	90.25	160.3	94	11992.5	-9120.5	-6651.83	2857.819	712127.2	1066605 31° 35' 24.1 103° 19' 52	3.012	278.5301	7186.41
20562	90.19	160.69	95	11992.13	-9120.13	-6741.38	2889.538	712037.7	1066637 31° 35' 23.1 103° 19' 52	0.4154	98.7454	7281.26
20657	89.63	161.88	95	11992.28	-9120.28	-6831.36	2920.02	711947.7	1066667 31° 35' 22.1 103° 19' 52	1.3844	115.2012	7376.17
20751	89.98	162.28	94	11992.6	-9120.6	-6920.79	2948.942	711858.3	1066696 31° 35' 21.1 103° 19' 51	0.5654	48.8148	7470.13
20846	91.66	162.62	95	11991.24	-9119.24	-7011.36	2977.584	711767.7	1066725 31° 35' 20.1 103° 19' 51	1.8043	11.4379	7565.09
20941	91.8	162.45	95	11988.38	-9116.38	-7101.94	3006.083	711677.1	1066754 31° 35' 20.1 103° 19' 51	0.2318	309.4878	7660.03
21036	91.89	162.49	95	11985.32	-9113.32	-7192.48	3034.682	711586.6	1066782 31° 35' 19.1 103° 19' 50	0.1037	23.9508	7754.96
21130	91.3	162.28	94	11982.7	-9110.7	-7282.04	3063.118	711497	1066811 31° 35' 18.1 103° 19' 50	0.6662	199.5883	7848.9
21225	91	162.12	95	11980.79	-9108.79	-7372.47	3092.153	711406.6	1066840 31° 35' 17.1 103° 19' 49	0.3579	208.0693	7943.84
21320	90.89	162.42	95	11979.23	-9107.23	-7462.95	3121.079	711316.1	1066868 31° 35' 16.1 103° 19' 49	0.3363	110.1363	8038.8
21416	91.37	164.19	96	11977.33	-9105.33	-7554.88	3148.651	711224.2	1066896 31° 35' 15.1 103° 19' 49	1.91	74.808	8134.78
21511	92.31	164.25	95	11974.28	-9102.28	-7646.25	3174.473	711132.8	1066922 31° 35' 14.1 103° 19' 48	0.9915	3.6494	8229.72
21606	92.05	164.33	95	11970.67	-9098.67	-7737.64	3200.177	711041.4	1066948 31° 35' 13.1 103° 19' 48	0.2863	162.9074	8324.65
21701	92.02	164.47	95	11967.3	-9095.3	-7829.08	3225.708	710950	1066973 31° 35' 12.1 103° 19' 48	0.1506	102.0997	8419.58
21795	92.14	164.52	94	11963.89	-9091.89	-7919.6	3250.82	710859.5	1066998 31° 35' 12.1 103° 19' 47	0.1383	22.6056	8513.51
21890	92.53	164.72	95	11960.01	-9088.01	-8011.12	3275.995	710767.9	1067023 31° 35' 11.1 103° 19' 47	0.4613	27.1264	8608.42
21985	91.69	164.05	95	11956.52	-9084.52	-8102.55	3301.549	710676.5	1067049 31° 35' 10.1 103° 19' 47	1.1307	218.5705	8703.35
22081	91.1	164.26	96	11954.18	-9082.18	-8194.87	3327.752	710584.2	1067075 31° 35' 9.3 103° 19' 47	0.6523	160.4104	8799.32

22175	91.83	164.27	94	11951.78	-9079.78	-8285.32	3353.235	710493.7	1067101 31° 35' 8.4" 103° 19' 46"	0.7767	0.7844	8893.28
22270	91.6	164.58	95	11948.93	-9076.93	-8376.79	3378.731	710402.3	1067126 31° 35' 7.5" 103° 19' 46"	0.4062	126.5806	8988.23
22365	91.76	164.51	95	11946.15	-9074.15	-8468.32	3404.036	710310.7	1067151 31° 35' 6.6" 103° 19' 46"	0.1838	336.3807	9083.18
22460	91.29	163.59	95	11943.62	-9071.62	-8559.63	3430.132	710219.4	1067178 31° 35' 5.7" 103° 19' 45"	1.0872	242.9435	9178.14
22555	91.9	164.61	95	11940.98	-9068.98	-8650.95	3456.148	710128.1	1067204 31° 35' 4.8" 103° 19' 45"	1.2507	59.0957	9273.1
22651	91.88	164.43	96	11937.81	-9065.81	-8743.42	3481.757	710035.6	1067229 31° 35' 3.9" 103° 19' 45"	0.1886	263.6594	9369.04
22746	91.82	163.94	95	11934.74	-9062.74	-8834.78	3507.634	709944.3	1067255 31° 35' 3.0" 103° 19' 44"	0.5194	263.0233	9463.99
22840	92.06	164.56	94	11931.56	-9059.56	-8925.2	3533.134	709853.9	1067281 31° 35' 2.1" 103° 19' 44"	0.7069	68.8174	9557.93
22935	91.59	164.43	95	11928.53	-9056.53	-9016.69	3558.517	709762.4	1067306 31° 35' 1.2" 103° 19' 44"	0.5133	195.4559	9652.87
23031	91.66	164.28	96	11925.81	-9053.81	-9109.1	3584.396	709670	1067332 31° 35' 0.3" 103° 19' 43"	0.1724	295.0278	9748.83
23126	91.12	164.09	95	11923.51	-9051.51	-9200.47	3610.279	709578.6	1067358 31° 34' 59.4" 103° 19' 43"	0.6026	199.3816	9843.79
23221	91.28	164.69	95	11921.52	-9049.52	-9291.95	3635.836	709487.1	1067383 31° 34' 58.1" 103° 19' 43"	0.6535	75.0593	9938.77
23315	91.16	163.27	94	11919.52	-9047.52	-9382.28	3661.771	709396.8	1067409 31° 34' 57.1" 103° 19' 42"	1.5157	265.1839	10032.74
23409	91.16	162.41	94	11917.61	-9045.61	-9472.07	3689.499	709307	1067437 31° 34' 56.1" 103° 19' 42"	0.9147	270.0087	10126.71
23503	90.74	162.26	94	11916.06	-9044.06	-9561.63	3718.019	709217.4	1067465 31° 34' 55.1" 103° 19' 42"	0.4744	199.6526	10220.67
23598	91.55	162.55	95	11914.16	-9042.16	-9652.16	3746.731	709126.9	1067494 31° 34' 55.1" 103° 19' 41"	0.9056	19.6923	10315.63
23692	91.49	162.83	94	11911.66	-9039.66	-9741.88	3774.69	709037.2	1067522 31° 34' 54.1" 103° 19' 41"	0.3045	102.0952	10409.58
23786	91.31	162.47	94	11909.37	-9037.37	-9831.57	3802.713	708947.5	1067550 31° 34' 53.1" 103° 19' 41"	0.4281	243.4326	10503.53
23881	90.42	162.32	95	11907.93	-9035.93	-9922.11	3831.442	708856.9	1067579 31° 34' 52.1" 103° 19' 40"	0.9501	189.5668	10598.5
23975	90.16	162.05	94	11907.46	-9035.46	-10011.6	3860.201	708767.5	1067608 31° 34' 51.4" 103° 19' 40"	0.3988	226.0813	10692.46
24070	90.55	162.53	95	11906.87	-9034.87	-10102.1	3889.099	708677	1067637 31° 34' 50.1" 103° 19' 39"	0.651	50.9043	10787.43
24165	90.49	162.24	95	11906.01	-9034.01	-10192.6	3917.847	708586.4	1067665 31° 34' 49.1" 103° 19' 39"	0.3117	258.3115	10882.4
24259	90.56	162.86	94	11905.15	-9033.15	-10282.3	3946.033	708496.8	1067693 31° 34' 48.1" 103° 19' 39"	0.6637	83.5554	10976.38
24354	91.21	162.4	95	11903.68	-9031.68	-10373	3974.391	708406.1	1067722 31° 34' 47.1" 103° 19' 38"	0.8382	324.7197	11071.35
24448	89.24	161.83	94	11903.31	-9031.31	-10462.4	4003.257	708316.6	1067751 31° 34' 47.1" 103° 19' 38"	2.1817	196.1392	11165.31
24543	88.99	164.51	95	11904.78	-9032.78	-10553.3	4030.757	708225.7	1067778 31° 34' 46.1" 103° 19' 38"	2.833	95.3497	11260.28
24637	89.61	164.32	94	11905.92	-9033.92	-10643.9	4056.01	708135.2	1067803 31° 34' 45.1" 103° 19' 37"	0.6898	342.9622	11354.27
24732	89.99	164.79	95	11906.26	-9034.26	-10735.4	4081.31	708043.6	1067829 31° 34' 44.1" 103° 19' 37"	0.6362	51.045	11449.26
24826	89.48	164.74	94	11906.69	-9034.69	-10826.1	4106.01	707952.9	1067853 31° 34' 43.4" 103° 19' 37"	0.5452	185.5992	11543.24
24921	90.05	164.53	95	11907.08	-9035.08	-10917.7	4131.182	707861.3	1067879 31° 34' 42.1" 103° 19' 36"	0.6394	339.7748	11638.23
25015	89.52	164.84	94	11907.43	-9035.43	-11008.4	4156.01	707770.7	1067903 31° 34' 41.1" 103° 19' 36"	0.6532	149.677	11732.21
25109	90.19	164.43	94	11907.67	-9035.67	-11099	4180.916	707680	1067928 31° 34' 40.1" 103° 19' 36"	0.8356	328.5352	11826.2
25204	90.3	164.81	95	11907.26	-9035.26	-11190.6	4206.112	707588.4	1067954 31° 34' 39.1" 103° 19' 35"	0.4164	73.8548	11921.18
25299	90.07	164.65	95	11906.96	-9034.96	-11282.3	4231.132	707496.8	1067979 31° 34' 39.1" 103° 19' 35"	0.2949	214.8246	12016.17
25393	89.94	164.57	94	11906.95	-9034.95	-11372.9	4256.078	707406.2	1068003 31° 34' 38.1" 103° 19' 35"	0.1624	211.6075	12110.16
25487	90.51	164.35	94	11906.58	-9034.58	-11463.5	4281.261	707315.6	1068029 31° 34' 37.1" 103° 19' 34"	0.65	338.8956	12204.15
25582	89.71	164.53	95	11906.4	-9034.4	-11555	4306.745	707224.1	1068054 31° 34' 36.1" 103° 19' 34"	0.8632	167.3194	12299.14

25676	90.97	165.02	94	11905.84	-9033.84	-11645.7	4331.429	707133.4	1068079	31° 34' 35.4" 103° 19' 34"	1.4382	21.2492	12393.12
25771	89.93	161.86	95	11905.09	-9033.09	-11736.7	4358.501	707042.3	1068106	31° 34' 34.1" 103° 19' 33"	3.5017	251.7993	12488.1
25866	88.35	162.17	95	11906.52	-9034.52	-11827.1	4387.83	706952	1068135	31° 34' 33.1" 103° 19' 33"	1.6949	168.9026	12583.05
25961	88.62	162.71	95	11909.03	-9037.03	-11917.6	4416.482	706861.4	1068164	31° 34' 32.1" 103° 19' 33"	0.6353	63.4343	12677.99
26056	88.41	162.35	95	11911.49	-9039.49	-12008.2	4444.992	706770.9	1068192	31° 34' 31.1" 103° 19' 32"	0.4386	239.7306	12772.94
26150	88.89	162.23	94	11913.71	-9041.71	-12097.7	4473.578	706681.3	1068221	31° 34' 31.1" 103° 19' 32"	0.5263	345.966	12866.88
26245	89.65	162.04	95	11914.92	-9042.92	-12188.1	4502.72	706590.9	1068250	31° 34' 30.1" 103° 19' 32"	0.8246	345.9635	12961.84
26339	88.07	162.22	94	11916.79	-9044.79	-12277.6	4531.558	706501.5	1068279	31° 34' 29.1" 103° 19' 31"	1.6917	173.5035	13055.78
26434	87.41	164.3	95	11920.54	-9048.54	-12368.5	4558.898	706410.6	1068306	31° 34' 28.1" 103° 19' 31"	2.2954	107.6566	13150.7
26528	88.13	164.56	94	11924.19	-9052.19	-12459	4584.11	706320.1	1068332	31° 34' 27.1" 103° 19' 31"	0.8143	19.8466	13244.62
26622	87.78	164.92	94	11927.55	-9055.55	-12549.6	4608.834	706229.5	1068356	31° 34' 26.1" 103° 19' 30"	0.534	134.2176	13338.54
26717	87.99	165.41	95	11931.05	-9059.05	-12641.4	4633.141	706137.7	1068381	31° 34' 25.1" 103° 19' 30"	0.5608	66.7964	13433.45
26739	88.15	165.23	22	11931.79	-9059.79	-12662.6	4638.713	706116.4	1068386	31° 34' 25.1" 103° 19' 30"	1.0943	311.6466	13455.43
26772	88.15	165.23	33	11932.86	-9060.86	-12694.5	4647.122	706084.5	1068395	31° 34' 25.1" 103° 19' 30"	0	0	13488.4 Projection to TD (WB3)-26772.00' MD