



Job:	UL G 9-36 B No. 2H (Job #19045)
Declination:	8.62°, This value was ADDED to the magnetic azimuth values sent by the tool to arrive at the Survey Azimuth values shown below.
Job Notes:	PINNERGY 1 UL G 9-36 B No. 2H Corrected to ground level and grid north
Created On:	23 Dec 2022 at 12:56:30
File Contents:	51 Total Surveys in File. 16 are tagged as Accepted

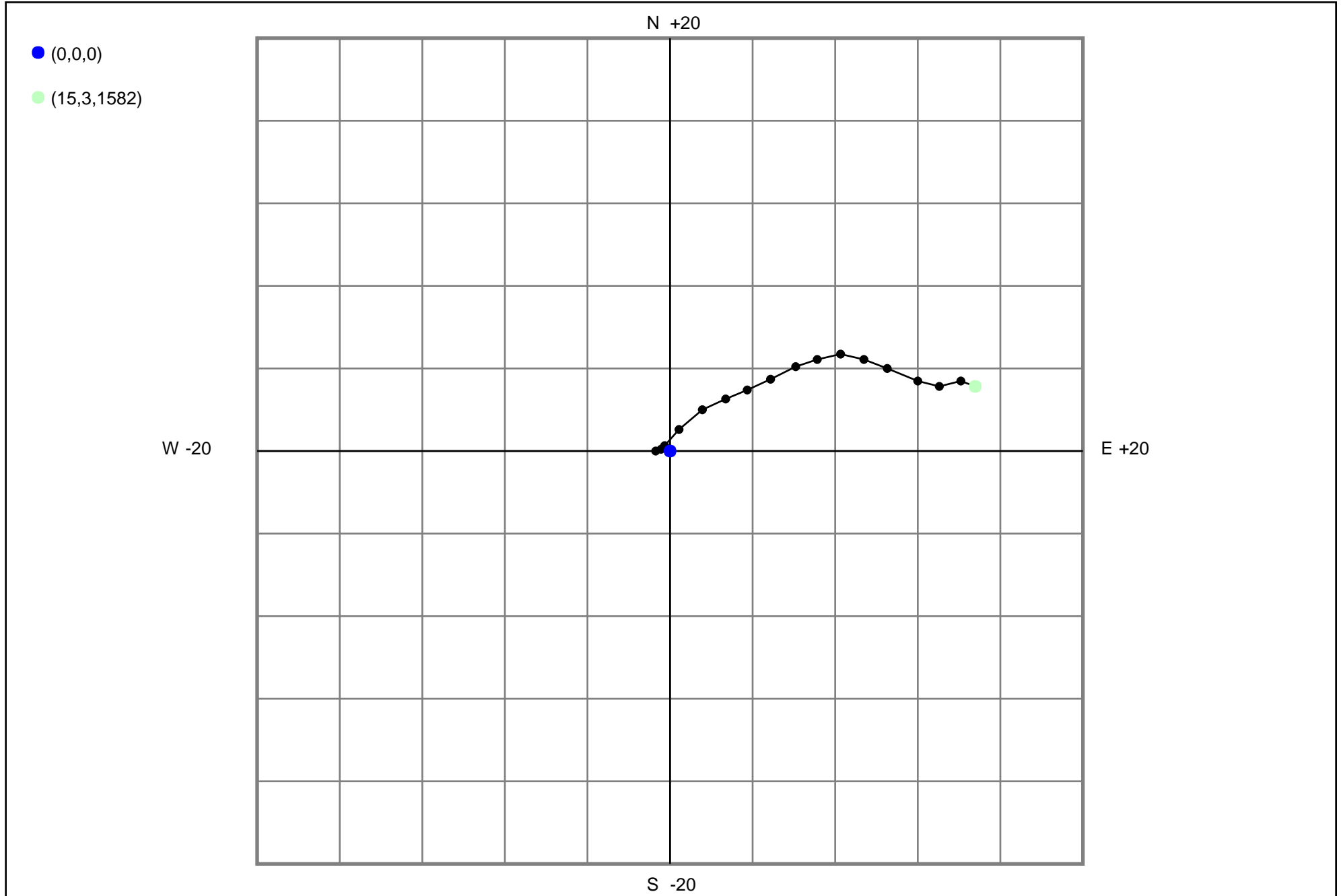
The Vertical Depth and Departure values below were calculated using the Minimum Curvature Model. This information is intended for reference purposes ONLY. It is NOT intended to replace professional oversight or sound judgement. For more detail on the data and algorithms used to compute this information,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

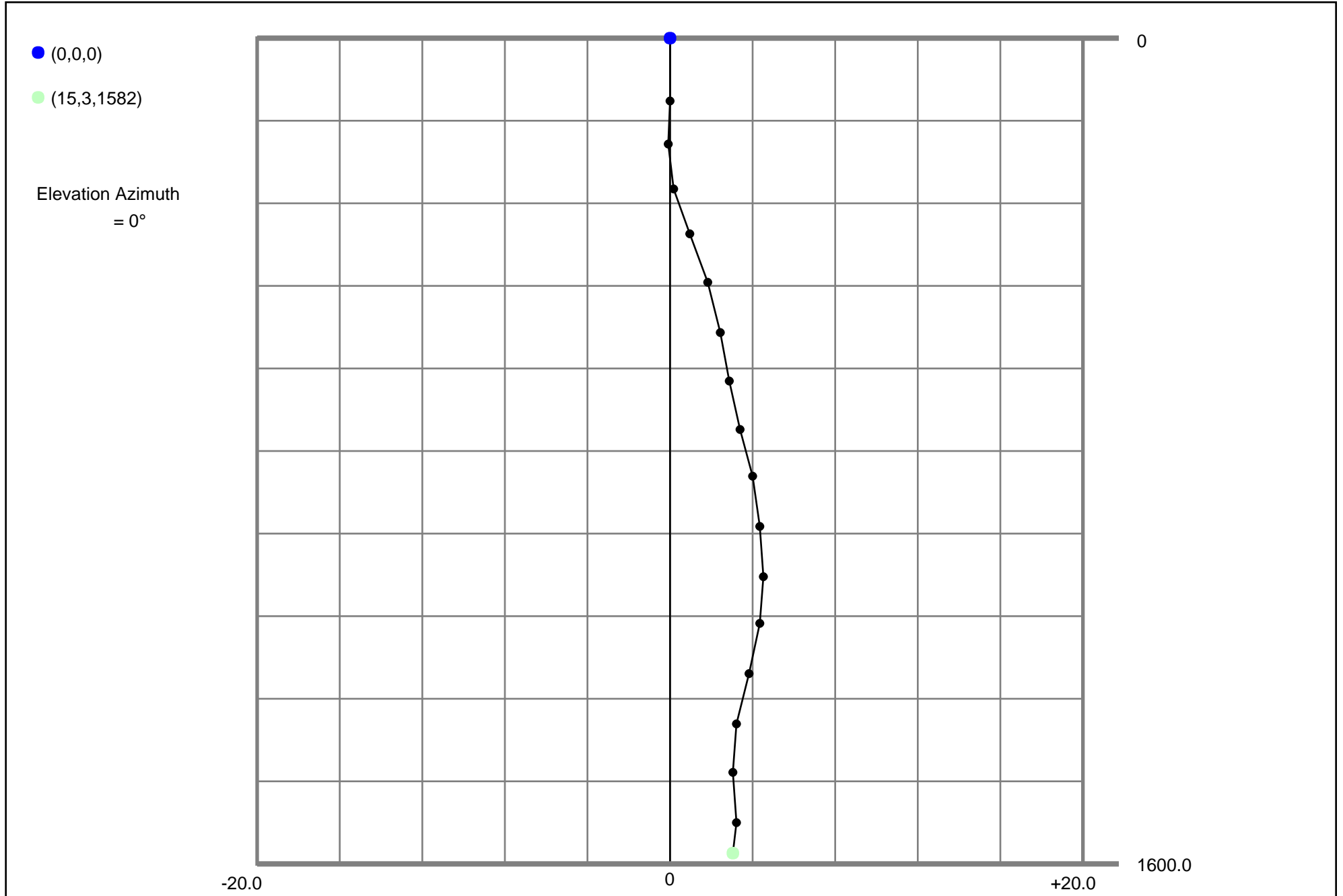
REPORT OF ALL ACCEPTED SURVEYS SORTED BY SURVEY DEPTH

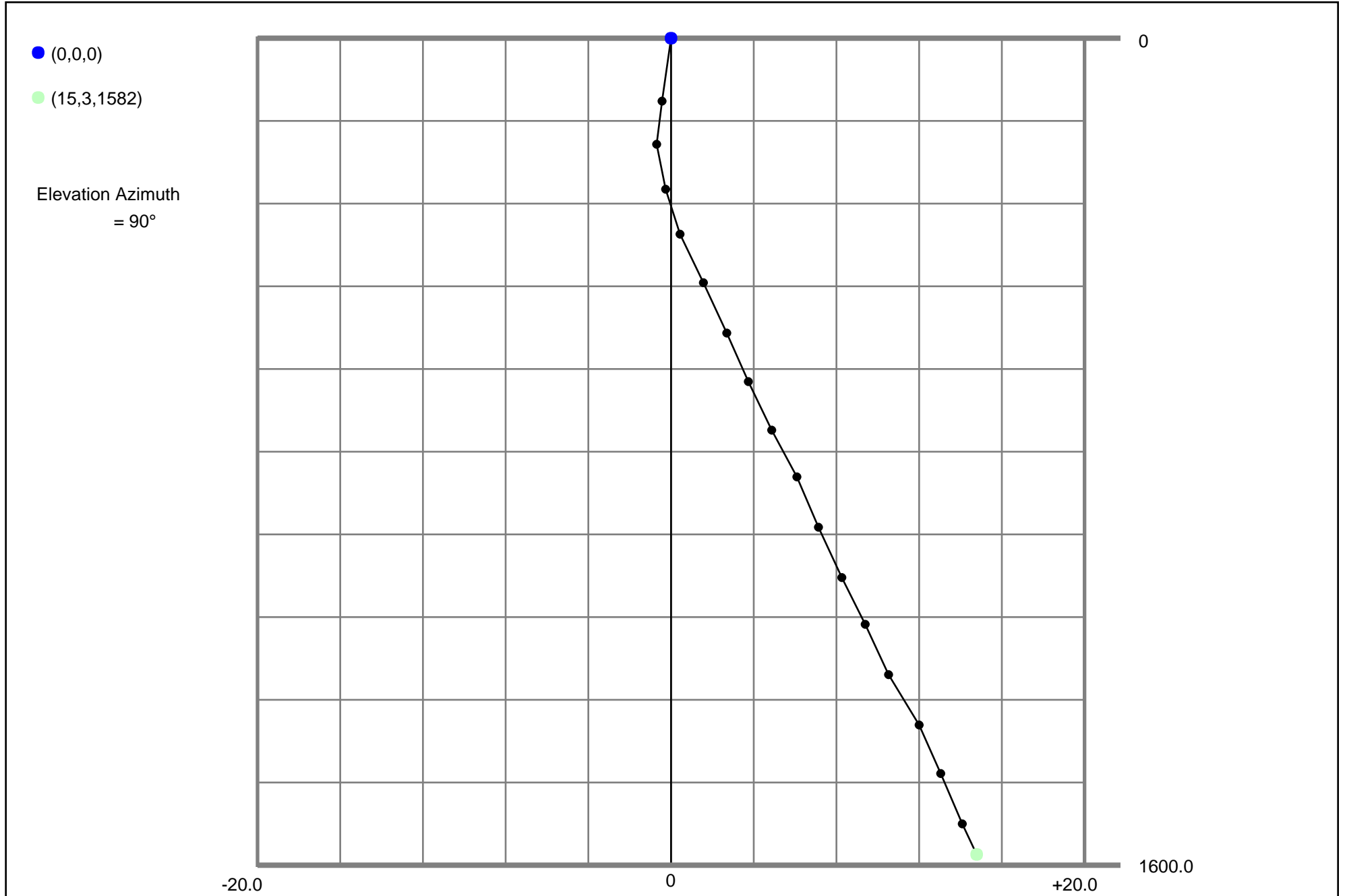
SURVEY DEPTH	SURVEY ANGLE	SURVEY AZIMUTH	VERT DEPTH	N-S DEPART	E-W DEPART	TGF	TMF	DIP ANGLE	SURVEY #	TYPE	SURVEY DATE & TIME
0.0	0.00	0.00	0.00	0.0	0.0	1.004	0.000	0.0	0	Tie-In	23 Dec 2022 12:58
121.0	0.40	279.62	121.00	0.1	-0.4	1.002	-----	-----	5	Survey	23 Dec 2022 21:56
208.0	0.20	161.62	208.00	0.0	-0.7	1.002	-----	-----	8	Survey	23 Dec 2022 22:29
293.0	0.70	42.62	293.00	0.2	-0.3	1.002	-----	-----	11	Survey	23 Dec 2022 23:01
380.0	0.80	46.62	379.99	1.0	0.5	1.002	-----	-----	14	Survey	23 Dec 2022 23:40
475.0	0.90	55.62	474.98	1.9	1.6	1.002	0.236	27.0	17	Survey	24 Dec 2022 00:37
570.0	0.70	63.62	569.97	2.6	2.8	1.002	-----	-----	20	Survey	24 Dec 2022 01:23
665.0	0.70	77.62	664.96	3.0	3.9	1.002	-----	-----	23	Survey	24 Dec 2022 02:10
760.0	0.80	59.62	759.95	3.4	5.0	1.002	-----	-----	26	Survey	24 Dec 2022 03:07

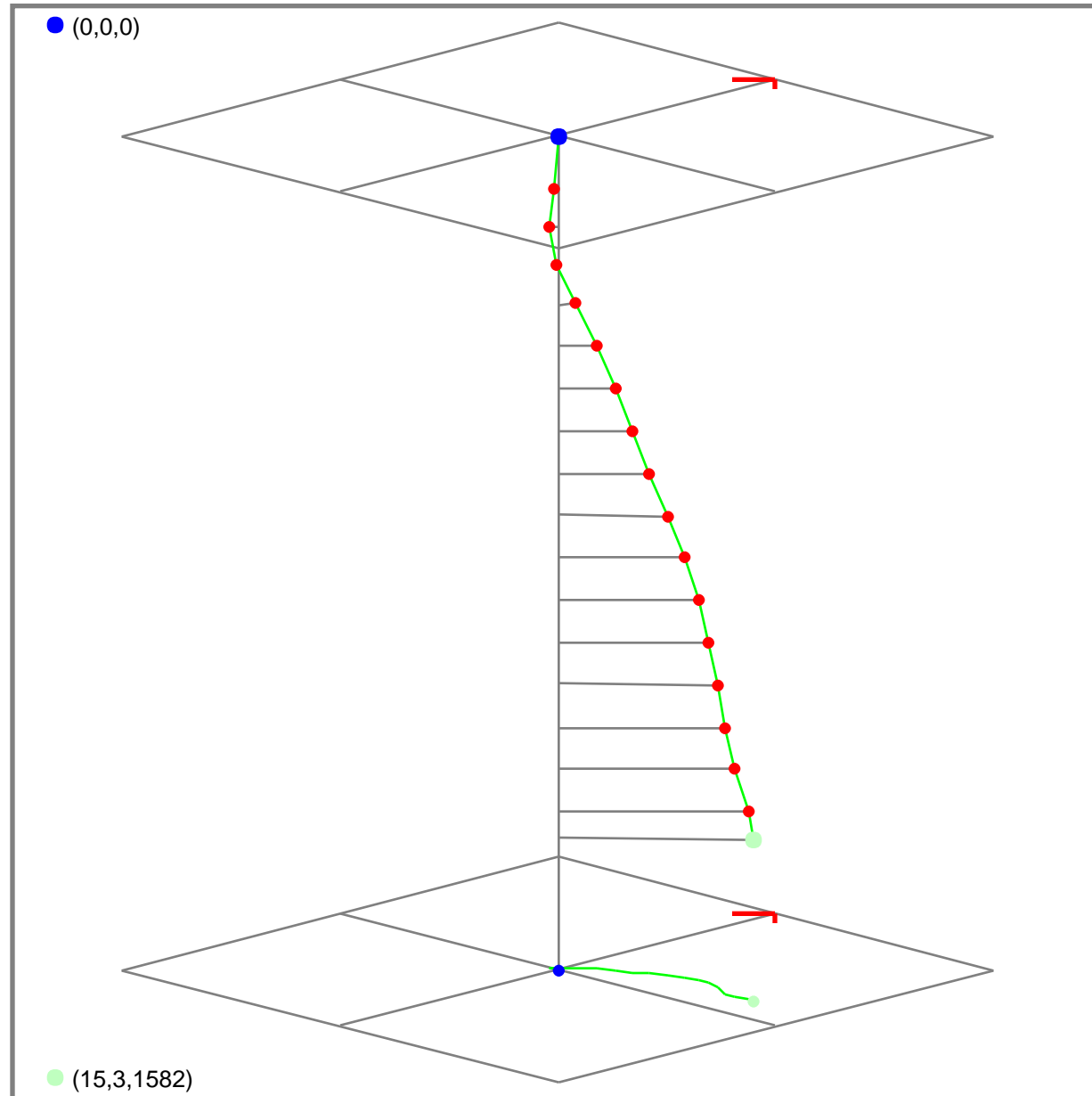


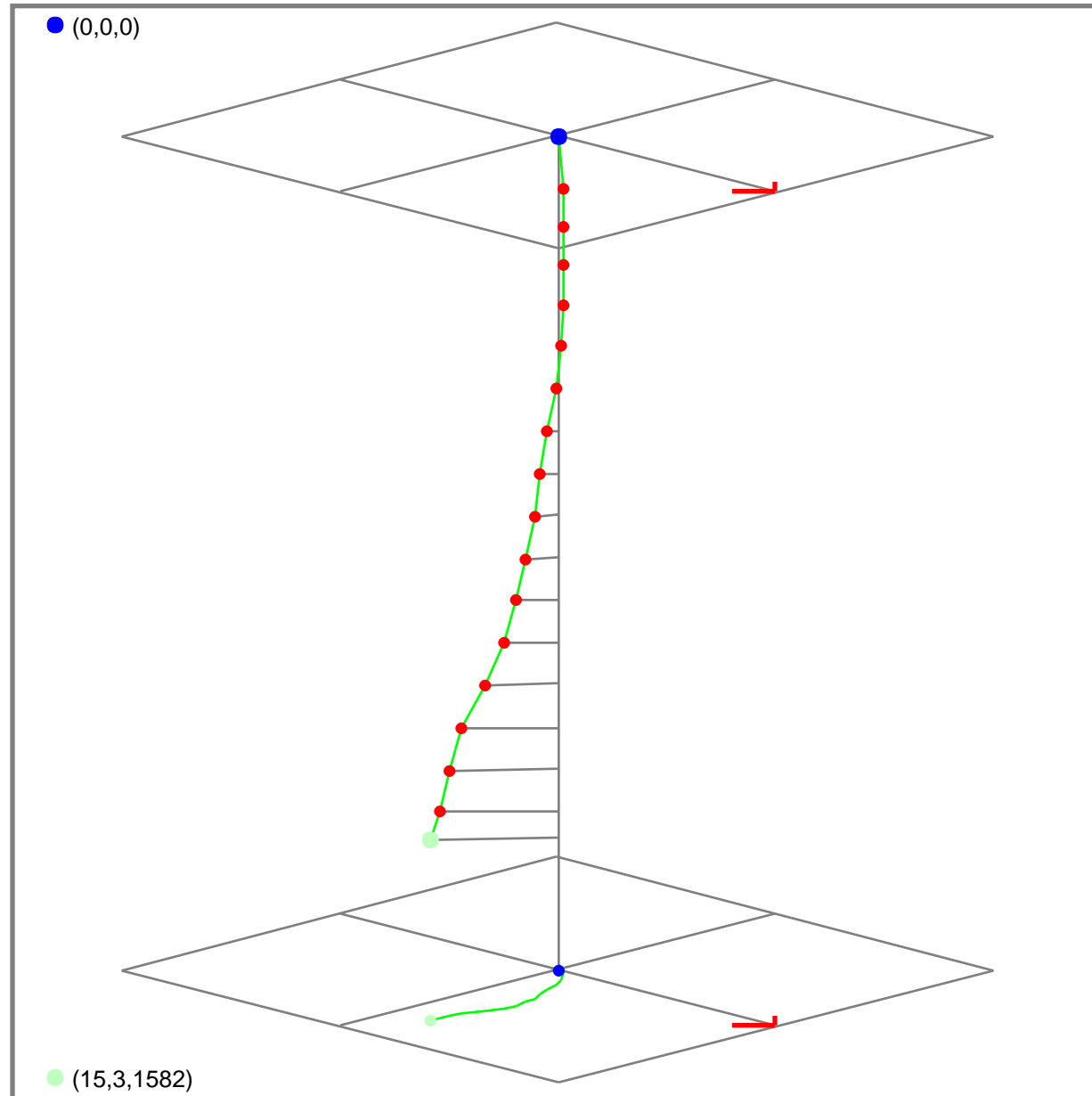
SURVEY DEPTH	SURVEY ANGLE	SURVEY AZIMUTH	VERT DEPTH	N-S DEPART	E-W DEPART	TGF	TMF	DIP ANGLE	SURVEY #	TYPE	SURVEY DATE & TIME	
856.0	0.80	64.62	855.94	4.1	6.2	-----	-----	-----	28	Survey	24 Dec 2022	03:59
951.0	0.60	79.62	950.94	4.4	7.3	1.002	-----	-----	31	Survey	24 Dec 2022	04:44
1046.0	0.70	79.62	1045.93	4.6	8.3	-----	-----	-----	34	Survey	24 Dec 2022	05:33
1140.0	0.70	114.62	1139.93	4.5	9.4	1.002	-----	-----	37	Survey	24 Dec 2022	06:25
1236.0	0.90	112.62	1235.92	3.9	10.6	1.002	-----	-----	39	Survey	24 Dec 2022	07:21
1334.0	0.90	116.62	1333.90	3.3	12.0	1.002	-----	-----	42	Survey	24 Dec 2022	08:19
1426.0	0.60	65.62	1425.90	3.2	13.1	1.002	-----	-----	45	Survey	24 Dec 2022	10:12
1521.0	0.70	98.62	1520.89	3.3	14.1	1.002	0.400	-----	48	Survey	24 Dec 2022	11:16
1582.0	0.60	107.62	1581.89	3.1	14.8	1.002	-----	-----	50	Survey	24 Dec 2022	11:59

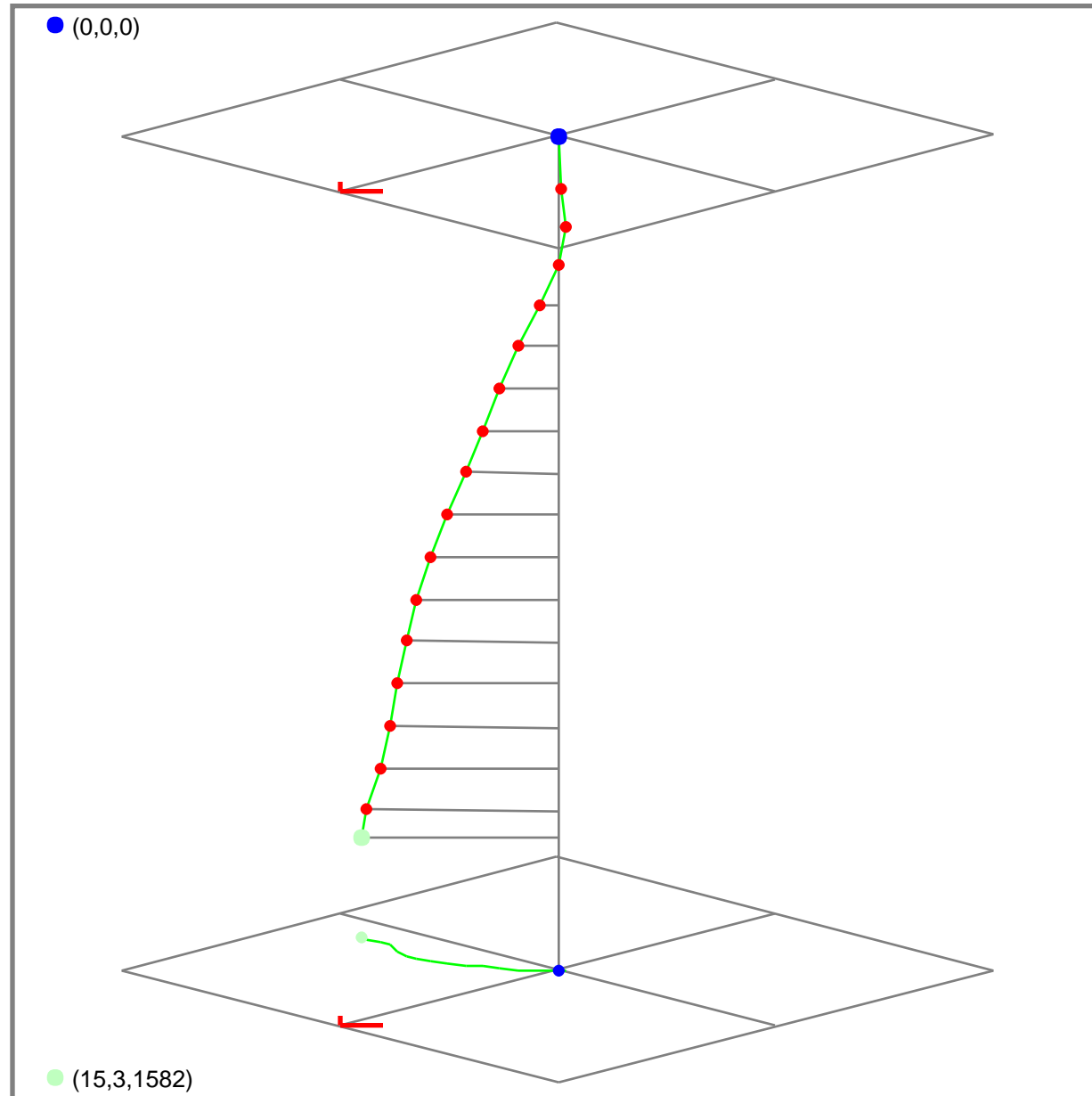


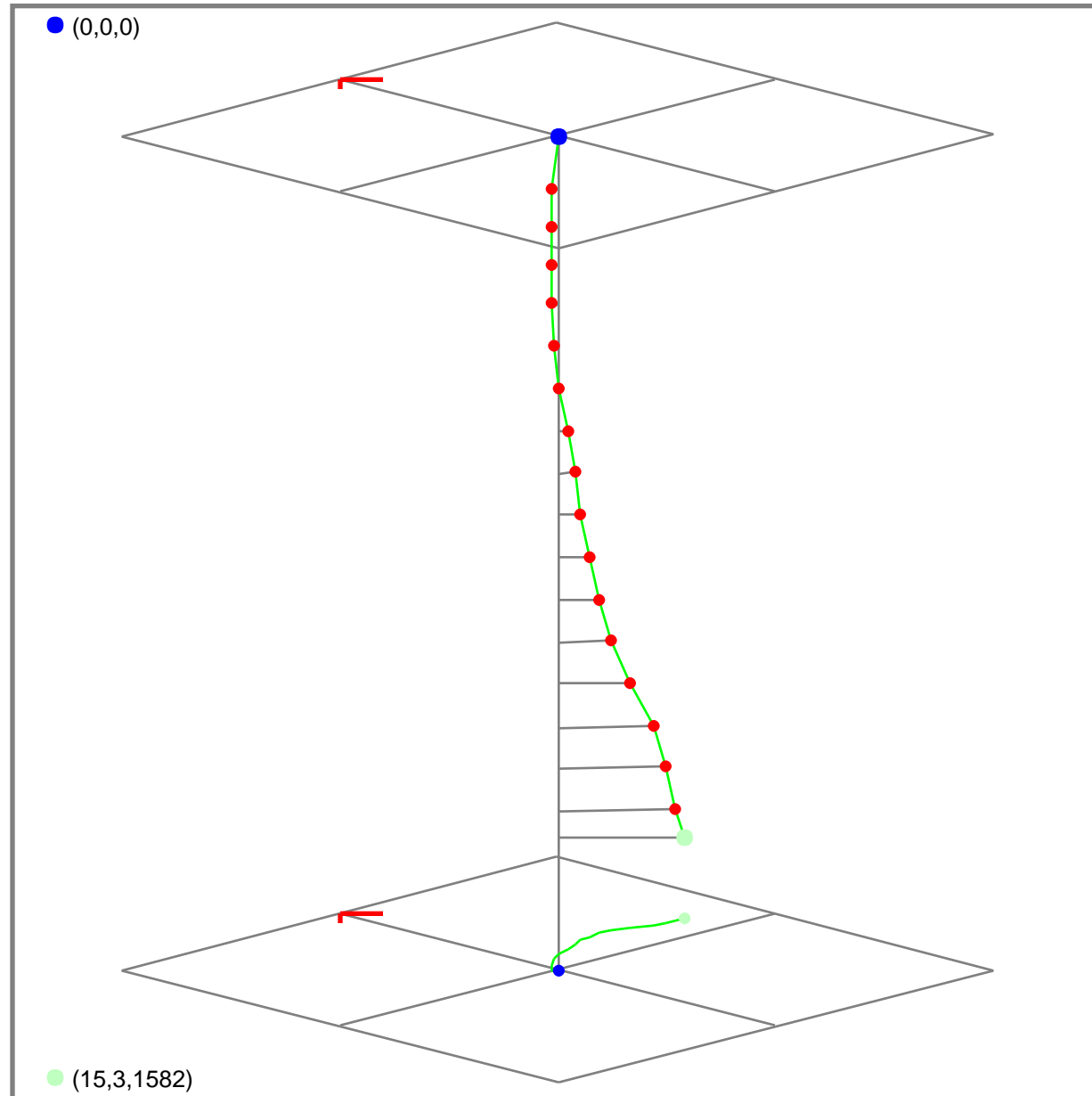














Invictus Tools, LLC
4290 E FM 1187 Suite 100
Burleson, Texas 76028

Mar 20, 2023

State of TX

Andrews County, TX

I, Kyle Collier, certify that: I represent Invictus Tools, LLC; that I did on the day(s) of 12/23/2022 through 12/24/2022 conduct or supervise the taking of MWD surveys from a depth of 121.0 feet measured depth to a depth of 1582.0 feet measured depth; that the data are 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 Pinnergy LTD for the UL G 9-36 B No. 2H Lease (API 42-003-48726), drilled by Pinnergy 1 in Andrews 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.

Kyle Collier
Invictus Tools LLC

A handwritten signature in black ink, appearing to read "Kyle Collier", written over a horizontal line.

N-ZONE GUIDANCE LLC.



Railroad Commission of Texas
Oil and Gas Division
PO Box 12967
Capitol Station
Austin, TX 78711

RE: Elevation Resources LLC
UL G 9-36 B 2H
Andrews County, Texas
API#: 42-003-48726

Attention:

Enclosed, please find the original and one copy of the survey performed on the referenced well by N-Zone Guidance, a division of N-Zone Guidance LLC. Other information required by your office is as follows:

Name & Title of Surveyor	Drainhole Number	Surveyed Depths	Dates Performed	Type of Surveys
<u>Jimmy Hight</u> <u>MWD Supervisor</u>		<u>0 ' TO 20496 '</u>	<u>01/24/2023</u> TO <u>03/04/2023</u>	<u>Gamma</u>

A certified plat on which the bottom hole is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Sincerely,

Well Planner
Catherine Ortiz

Enclosures: 2

State of Texas

N-ZONE GUIDANCE LLC.



Elevation Resources LLC

UL G 9-36 B 2H

Andrews County, Texas

API# : 42-003-48726

Job# ELV-23-1003

Prepared By
Perry Reed
MWD Coordinator @ N-Zone Guidance



ELEVATION
RESOURCES



Job Number ELV-23-1003	Operator Elevation	Rig Name Unit 404	North Reference Grid North
Start Date 2023-01-20	Well Name UL G 9-36 B 2H	Legal Well Name AFE B 2H 22145	Well Path Name UL G 9-36 B 2H
Play Delaware Basin	State/Province and Country Texas, US	County Andrews	Company Man Brett Strong
Lat 32.157364	Lon -102.536787	Rig Floor Elevation (ft) 25.00	VS Plane AZI 347.454

Surveys

MD (ft)	INC (°)	AZI (°)	TVD (ft)	North (ft)	East (ft)	VS (ft)	Clos Dist (ft)	Clos Azi (°)	Dogleg (°/100 ft)	B Rate (°/100 ft)	T Rate (°/100 ft)	Bit to Sensor (ft)	Calc TF (°)	Hole Section Type
0.00	0.00	0.00	0.00	0.00	0.00	0.00			N/A	N/A	N/A	0.00	N/A	
18.00	0.00	0.00	18.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	57.00		
139.00	0.40	279.62	139.00	0.07	-0.42	0.16	0.42	279.62	0.33	0.33	-66.43	61.00	-80.38	
226.00	0.20	161.62	226.00	-0.02	-0.67	0.12	0.67	268.05	0.60	-0.23	-135.63	61.00	-160.33	
311.00	0.70	42.62	311.00	0.22	-0.27	0.27	0.35	309.03	0.96	0.59	-140.00	61.00	-131.38	
398.00	0.80	46.62	397.99	1.03	0.53	0.89	1.16	27.38	0.13	0.11	4.60	61.00	29.65	
493.00	0.90	55.62	492.98	1.90	1.63	1.50	2.51	40.56	0.18	0.11	9.47	61.00	57.72	
588.00	0.70	63.62	587.97	2.58	2.77	1.92	3.78	46.95	0.24	-0.21	8.42	61.00	154.78	
683.00	0.70	77.62	682.96	2.96	3.85	2.06	4.86	52.41	0.18	0.00	14.74	61.00	97.00	
778.00	0.80	59.62	777.95	3.42	4.99	2.26	6.05	55.54	0.27	0.11	-18.95	61.00	-76.17	
874.00	0.80	64.62	873.94	4.05	6.17	2.61	7.38	56.73	0.07	0.00	5.21	61.00	92.50	
969.00	0.60	79.62	968.94	4.42	7.26	2.74	8.50	58.65	0.28	-0.21	15.79	61.00	144.84	
1064.00	0.70	79.62	1063.93	4.62	8.32	2.70	9.52	60.97	0.11	0.11	0.00	61.00	0.00	
1158.00	0.70	114.62	1157.92	4.48	9.41	2.33	10.42	64.52	0.45	0.00	37.23	61.00	107.50	
1254.00	0.90	112.62	1253.92	3.95	10.64	1.54	11.35	69.64	0.21	0.21	-2.08	61.00	-8.95	
1352.00	0.90	116.62	1351.90	3.31	12.04	0.61	12.48	74.63	0.06	0.00	4.08	61.00	92.00	
1444.00	0.60	65.62	1443.90	3.18	13.12	0.26	13.50	76.36	0.76	-0.33	-55.43	61.00	-138.25	
1539.00	0.70	98.62	1538.89	3.30	14.15	0.15	14.53	76.87	0.40	0.11	34.74	61.00	91.94	
1600.00	0.60	107.62	1599.89	3.15	14.82	-0.15	15.15	78.01	0.23	-0.16	14.75	61.00	138.85	
1629.00	0.79	76.46	1628.88	3.15	15.16	-0.22	15.48	78.26	1.43	0.66	-107.45	61.00	-79.46	
1724.00	3.30	45.44	1723.82	5.22	17.75	1.24	18.50	73.60	2.79	2.64	-32.65	61.00	-39.83	
1818.00	4.53	48.34	1817.60	9.59	22.45	4.48	24.41	66.87	1.32	1.31	3.09	61.00	10.59	
1913.00	7.16	48.52	1912.10	16.00	29.69	9.17	33.73	61.67	2.77	2.77	0.19	61.00	0.49	
2008.00	8.97	44.65	2006.15	25.20	39.33	16.05	46.71	57.35	1.99	1.91	-4.07	61.00	-18.62	
2103.00	10.42	43.77	2099.79	36.67	50.48	24.83	62.39	54.00	1.53	1.53	-0.93	61.00	-6.27	
2197.00	11.74	45.97	2192.04	49.45	63.23	34.54	80.28	51.97	1.47	1.40	2.34	61.00	18.84	
2292.00	13.71	45.44	2284.70	64.07	78.20	45.55	101.10	50.67	2.08	2.07	-0.56	61.00	-3.65	
2387.00	15.74	41.84	2376.58	81.57	94.82	59.03	125.08	49.30	2.34	2.14	-3.79	61.00	-26.01	
2482.00	16.22	41.13	2467.91	101.17	112.15	74.39	151.04	47.95	0.55	0.51	-0.75	61.00	-22.50	
2576.00	16.13	40.61	2558.19	120.97	129.28	90.00	177.05	46.90	0.18	-0.10	-0.55	61.00	-122.10	
2671.00	15.91	40.25	2649.50	140.92	146.28	105.78	203.12	46.07	0.25	-0.23	-0.38	61.00	-155.87	
2766.00	15.56	40.17	2740.94	160.60	162.92	121.37	228.77	45.41	0.37	-0.37	-0.08	61.00	-176.49	
2861.00	15.56	39.64	2832.46	180.15	179.26	136.91	254.14	44.86	0.15	0.00	-0.56	61.00	-90.26	
2956.00	15.65	39.73	2923.95	199.81	195.58	152.56	279.60	44.39	0.10	0.09	0.09	61.00	15.10	
3051.00	15.56	39.38	3015.45	219.52	211.86	168.26	305.08	43.98	0.14	-0.09	-0.37	61.00	-133.88	
3146.00	15.25	39.55	3107.04	239.00	227.90	183.79	330.24	43.64	0.33	-0.33	0.18	61.00	171.79	
3240.00	15.12	38.76	3197.76	258.09	243.44	199.05	354.79	43.33	0.26	-0.14	-0.84	61.00	-122.52	
3335.00	14.81	38.50	3289.53	277.26	258.76	214.43	379.25	43.02	0.33	-0.33	-0.27	61.00	-167.91	
3430.00	14.51	38.50	3381.44	296.07	273.73	229.54	403.22	42.75	0.32	-0.32	0.00	61.00	180.00	
3525.00	14.33	38.14	3473.45	314.63	288.40	244.47	426.81	42.51	0.21	-0.19	-0.38	61.00	-153.70	
3619.00	14.15	37.97	3564.56	332.84	302.65	259.15	449.86	42.28	0.20	-0.19	-0.18	61.00	-167.00	
3714.00	15.03	41.75	3656.50	351.18	318.00	273.72	473.76	42.16	1.36	0.93	3.98	61.00	49.10	
3809.00	14.90	42.45	3748.28	369.39	334.44	287.92	498.29	42.16	0.23	-0.14	0.74	61.00	126.06	
3904.00	14.68	42.36	3840.13	387.29	350.80	301.84	522.55	42.17	0.23	-0.23	-0.09	61.00	-174.08	
3998.00	14.37	42.19	3931.12	404.74	366.66	315.43	546.12	42.17	0.33	-0.33	-0.18	61.00	-172.25	
4093.00	14.07	41.84	4023.21	422.07	382.28	328.96	569.46	42.17	0.33	-0.32	-0.37	61.00	-164.18	
4188.00	13.58	41.40	4115.46	439.04	397.35	342.25	592.16	42.15	0.53	-0.52	-0.46	61.00	-168.10	
4283.00	12.97	41.31	4207.92	455.42	411.77	355.10	613.97	42.12	0.64	-0.64	-0.09	61.00	-178.10	
4377.00	12.66	40.78	4299.58	471.14	425.46	367.47	634.81	42.08	0.35	-0.33	-0.56	61.00	-159.49	
4472.00	12.53	40.25	4392.29	486.89	438.92	379.92	655.52	42.03	0.18	-0.14	-0.56	61.00	-138.62	
4567.00	11.91	39.55	4485.14	502.31	451.82	392.17	675.62	41.97	0.67	-0.65	-0.74	61.00	-166.90	
4662.00	11.34	38.94	4578.19	517.14	463.93	404.01	694.74	41.90	0.61	-0.60	-0.64	61.00	-168.13	
4757.00	10.99	38.50	4671.39	531.49	475.44	415.52	713.11	41.81	0.38	-0.37	-0.46	61.00	-166.53	
4852.00	10.86	38.32	4764.67	545.60	486.62	426.86	731.08	41.73	0.14	-0.14	-0.19	61.00	-165.38	
4947.00	9.58	41.66	4858.16	558.52	497.43	437.14	747.92	41.69	1.48	-1.35	3.52	61.00	156.79	
5042.00	7.52	44.38	4952.10	568.87	507.03	445.15	762.04	41.71	2.21	-2.17	2.86	61.00	170.24	
5137.00	7.12	43.15	5046.33	577.61	515.41	451.86	774.13	41.74	0.45	-0.42	-1.29	61.00	-159.21	
5232.00	5.01	47.90	5140.79	584.69	522.51	457.23	784.14	41.79	2.28	-2.22	5.00	61.00	168.97	
5319.00	4.35	48.87	5227.50	589.41	527.81	460.68	791.20	41.84	0.76	-0.76	1.11	61.00	173.65	
5414.00	4.53	48.43	5322.22	594.27	533.34	464.22	798.50	41.91	0.19	0.19	-0.46	61.00	-10.94	
5509.00	3.25	38.06	5417.00	598.88	537.80	467.75	804.91	41.92	1.53	-1.35	-10.92	61.00	-156.31	
5604.00	3.08	36.39	5511.85	603.05	540.98	471.14	810.14	41.89	0.20	-0.18	-1.76	61.00	-152.36	

5699.00	2.77	34.80	5606.73	606.99	543.80	474.37	814.96	41.86	0.34	-0.33	-1.67	61.00	-166.13
5794.00	2.24	33.84	5701.64	610.42	546.15	477.21	819.08	41.82	0.56	-0.56	-1.01	61.00	-175.95
5888.00	1.98	34.63	5795.57	613.28	548.09	479.58	822.51	41.79	0.28	-0.28	0.84	61.00	174.01
5983.00	1.80	34.72	5890.52	615.86	549.87	481.71	825.61	41.76	0.19	-0.19	0.09	61.00	179.10
6078.00	1.63	29.18	5985.48	618.26	551.38	483.73	828.41	41.73	0.25	-0.18	-5.83	61.00	-138.46
6173.00	1.45	25.84	6080.44	620.52	552.56	485.68	830.89	41.68	0.21	-0.19	-3.52	61.00	-155.16
6267.00	1.19	14.68	6174.42	622.54	553.33	487.48	832.90	41.63	0.39	-0.28	-11.87	61.00	-140.81
6362.00	0.70	350.77	6269.41	624.07	553.49	488.93	834.15	41.57	0.65	-0.52	-25.17	61.00	-152.72
6457.00	0.53	320.54	6364.40	624.98	553.11	489.91	834.59	41.51	0.38	-0.18	-31.82	61.00	-132.21
6552.00	0.53	319.75	6459.40	625.65	552.55	490.69	834.72	41.45	0.01	0.00	-0.83	62.00	-90.39
6647.00	0.62	288.28	6554.39	626.15	551.78	491.34	834.58	41.39	0.34	0.09	-33.13	62.00	-90.21
6742.00	0.66	273.43	6649.39	626.34	550.75	491.75	834.04	41.33	0.18	0.04	-15.63	62.00	-83.94
6836.00	0.53	282.30	6743.38	626.47	549.78	492.08	833.50	41.27	0.17	-0.14	9.44	62.00	149.06
6931.00	0.70	263.06	6838.38	626.49	548.77	492.33	832.85	41.22	0.28	0.18	-20.25	62.00	-60.42
7027.00	0.75	262.62	6934.37	626.34	547.57	492.44	831.95	41.16	0.05	0.05	-0.46	61.00	-6.57
7122.00	1.14	263.41	7029.36	626.15	546.01	492.59	830.78	41.09	0.41	0.41	0.83	61.00	2.31
7216.00	1.93	259.80	7123.32	625.76	543.53	492.75	828.86	40.98	0.85	0.84	-3.84	61.00	-8.79
7311.00	2.37	256.11	7218.25	625.01	540.05	492.77	826.01	40.83	0.49	0.46	-3.88	61.00	-19.31
7406.00	2.55	261.04	7313.17	624.21	536.05	492.86	822.79	40.66	0.29	0.19	5.19	61.00	52.09
7501.00	2.86	260.07	7408.06	623.47	531.63	493.10	819.36	40.45	0.33	0.33	-1.02	61.00	-8.88
7595.00	2.90	252.86	7501.94	622.37	527.05	493.02	815.55	40.26	0.39	0.04	-7.67	61.00	-87.31
7690.00	2.77	249.61	7596.83	620.86	522.60	492.51	811.53	40.09	0.22	-0.14	-3.42	61.00	-130.58
7785.00	2.64	249.26	7691.72	619.28	518.40	491.89	807.62	39.93	0.14	-0.14	-0.37	61.00	-172.93
7880.00	2.42	248.38	7786.63	617.77	514.49	491.26	803.95	39.79	0.24	-0.23	-0.93	61.00	-170.43
7975.00	2.11	249.87	7881.55	616.43	510.98	490.71	800.68	39.66	0.33	-0.33	1.57	61.00	169.99
8070.00	2.11	250.93	7976.49	615.25	507.69	490.28	797.68	39.53	0.04	0.00	1.12	61.00	90.53
8165.00	2.07	251.10	8071.43	614.13	504.41	489.89	794.72	39.40	0.04	-0.04	0.18	61.00	171.27
8259.00	1.98	251.46	8165.37	613.06	501.27	489.54	791.91	39.27	0.10	-0.10	0.38	61.00	172.13
8354.00	1.80	249.61	8260.32	612.02	498.31	489.16	789.23	39.15	0.20	-0.19	-1.95	61.00	-162.20
8449.00	1.63	246.97	8355.27	610.97	495.67	488.71	786.75	39.05	0.20	-0.18	-2.78	61.00	-156.39
8544.00	1.32	256.90	8450.24	610.19	493.36	488.45	784.69	38.96	0.42	-0.33	10.45	61.00	145.39
8638.00	1.23	259.45	8544.22	609.76	491.32	488.48	783.07	38.86	0.11	-0.10	2.71	61.00	149.04
8733.00	1.23	255.76	8639.20	609.33	489.32	488.48	781.48	38.77	0.08	0.00	-3.88	61.00	-91.84
8828.00	1.10	250.84	8734.18	608.78	487.48	488.35	779.90	38.69	0.17	-0.14	-5.18	61.00	-144.87
8923.00	0.92	250.49	8829.16	608.22	485.89	488.15	778.48	38.62	0.19	-0.19	-0.37	61.00	-178.21
9018.00	0.97	255.67	8924.15	607.77	484.40	488.03	777.19	38.56	0.10	0.05	5.45	61.00	62.27
9113.00	1.05	250.14	9019.13	607.27	482.80	487.90	775.81	38.49	0.13	0.08	-5.82	61.00	-53.41
9207.00	1.05	251.46	9113.12	606.71	481.17	487.70	774.35	38.42	0.03	0.00	1.40	61.00	90.66
9307.00	0.97	262.53	9213.10	606.31	479.46	487.68	772.98	38.34	0.21	-0.08	11.07	61.00	117.76
9397.00	0.84	254.00	9303.09	606.03	478.08	487.71	771.90	38.27	0.21	-0.14	-9.48	61.00	-138.19
9492.00	0.84	249.79	9398.08	605.59	476.75	487.57	770.74	38.21	0.06	0.00	-4.43	61.00	-92.10
9549.00	0.75	249.96	9455.08	605.32	476.01	487.47	770.06	38.18	0.16	-0.16	0.30	61.00	178.58
9626.00	0.48	244.32	9532.07	605.01	475.25	487.33	769.35	38.15	0.36	-0.35	-7.32	52.00	-170.17
9721.00	5.93	0.60	9626.91	609.75	474.94	492.02	772.89	37.92	6.48	5.74	122.40	52.00	120.27
9816.00	15.65	353.13	9720.12	627.42	473.45	509.59	786.01	37.04	10.32	10.23	-7.86	52.00	-11.89
9911.00	25.27	348.20	9809.03	660.07	467.76	542.70	809.01	35.32	10.28	10.13	-5.19	52.00	-12.49
10006.00	33.41	346.89	9891.77	705.47	457.66	589.21	840.92	32.97	8.59	8.57	-1.38	52.00	-5.09
10101.00	40.97	347.59	9967.40	761.44	445.02	646.59	881.95	30.30	7.97	7.96	0.74	52.00	3.49
10196.00	51.03	348.82	10033.31	828.26	431.13	714.83	933.75	27.50	10.63	10.59	1.29	52.00	5.46
10291.00	61.32	350.93	10086.12	905.85	417.36	793.56	997.38	24.74	10.99	10.83	2.22	52.00	10.27
10385.00	72.22	349.26	10123.15	990.80	402.48	879.72	1069.43	22.11	11.71	11.60	-1.78	52.00	-8.36
10481.00	84.26	349.08	10142.68	1082.94	384.85	973.49	1149.29	19.56	12.54	12.54	-0.19	52.00	-0.86
10575.00	87.60	349.70	10149.35	1175.09	367.59	1067.18	1231.24	17.37	3.61	3.55	0.66	52.00	10.51
10591.00	87.78	349.52	10149.99	1190.82	364.70	1083.16	1245.41	17.03	1.59	1.12	-1.12	55.00	-44.98
10686.00	87.96	351.28	10153.52	1284.42	348.87	1177.96	1330.95	15.20	1.86	0.19	1.85	55.00	84.19
10781.00	87.69	350.93	10157.13	1378.21	334.19	1272.70	1418.15	13.63	0.47	-0.28	-0.37	55.00	-127.67
10876.00	87.82	350.40	10160.85	1471.88	318.80	1367.48	1506.00	12.22	0.57	0.14	-0.56	55.00	-76.22
10968.00	86.95	348.82	10165.05	1562.27	302.22	1459.32	1591.23	10.95	1.96	-0.95	-1.72	55.00	-118.90
11061.00	86.24	348.03	10170.57	1653.22	283.59	1552.14	1677.36	9.73	1.14	-0.76	-0.85	55.00	-132.02
11153.00	84.97	347.33	10177.62	1742.83	264.02	1643.86	1762.72	8.61	1.58	-1.38	-0.76	55.00	-151.23
11246.00	84.75	347.50	10185.95	1833.23	243.84	1736.49	1849.38	7.58	0.30	-0.24	0.18	55.00	142.42
11338.00	85.41	348.03	10193.84	1922.81	224.42	1828.15	1935.86	6.66	0.92	0.72	0.58	55.00	38.69
11433.00	85.05	347.59	10201.74	2015.35	204.43	1922.82	2025.69	5.79	0.60	-0.38	-0.46	55.00	-129.40
11528.00	84.26	346.62	10210.59	2107.54	183.32	2017.40	2115.50	4.97	1.31	-0.83	-1.02	55.00	-129.33
11623.00	83.96	346.45	10220.34	2199.45	161.31	2111.89	2205.35	4.19	0.36	-0.32	-0.18	55.00	-150.60
11717.00	84.84	346.53	10229.51	2290.41	139.46	2205.42	2294.65	3.48	0.94	0.94	0.09	55.00	5.17
11812.00	85.01	346.97	10237.92	2382.52	117.77	2300.04	2385.42	2.83	0.49	0.18	0.46	55.00	68.82
11907.00	85.45	347.24	10245.82	2474.80	96.64	2394.71	2476.69	2.24	0.54	0.46	0.28	55.00	31.46
12002.00	85.63	347.24	10253.21	2567.17	75.73	2489.42	2568.29	1.69	0.19	0.19	0.00	55.00	0.00
12096.00	85.05	348.03	10260.84	2658.69	55.66	2583.11	2659.27	1.20	1.04	-0.62	0.84	55.00	126.41
12191.00	83.25	348.38	10270.53	2751.19	36.35	2677.60	2751.43	0.76	1.93	-1.89	0.37	55.00	169.07
12286.00	83.87	349.79	10281.18	2843.88	18.47	2771.96	2843.94	0.37	1.61	0.65	1.48	55.00	66.21
12381.00	84.75	350.93	10290.60	2937.08	2.64	2866.37	2937.08	0.05	1.51	0.93	1.20	55.00	52.26
12475.00	84.22	351.10	10299.63	3029.49	-11.97	2959.76	3029.52	359.77	0.59	-0.56	0.18	55.00	162.30
12570.00	84.44	349.96	10309.02	3122.74	-27.52	3054.15	3122.86	359.50	1.22	0.23	-1.20	55.00	-79.08

12665.00	84.70	348.56	10318.01	3215.65	-45.15	3148.68	3215.97	359.20	1.49	0.27	-1.47	55.00	-79.50
12760.00	86.07	347.06	10325.65	3308.21	-65.14	3243.36	3308.85	358.87	2.13	1.44	-1.58	55.00	-47.56
12855.00	85.93	346.18	10332.28	3400.40	-87.07	3338.12	3401.52	358.53	0.94	-0.15	-0.93	55.00	-99.09
12949.00	88.18	345.74	10337.11	3491.47	-109.85	3431.96	3493.19	358.20	2.44	2.39	-0.47	55.00	-11.06
13044.00	88.48	346.71	10339.88	3583.69	-132.46	3526.89	3586.14	357.88	1.07	0.32	1.02	55.00	72.82
13139.00	87.96	346.36	10342.83	3676.04	-154.57	3621.84	3679.29	357.59	0.66	-0.55	-0.37	55.00	-146.07
13234.00	87.25	346.18	10346.80	3768.24	-177.09	3716.73	3772.40	357.31	0.77	-0.75	-0.19	55.00	-165.79
13329.00	89.01	345.66	10349.90	3860.33	-200.19	3811.64	3865.52	357.03	1.93	1.85	-0.55	55.00	-16.46
13423.00	90.24	345.74	10350.52	3951.42	-223.41	3905.60	3957.73	356.76	1.31	1.31	0.09	55.00	3.72
13518.00	89.67	344.95	10350.59	4043.33	-247.44	4000.53	4050.89	356.50	1.03	-0.60	-0.83	55.00	-125.81
13613.00	90.37	345.92	10350.56	4135.27	-271.33	4095.47	4144.16	356.25	1.26	0.74	1.02	55.00	54.18
13708.00	90.20	346.01	10350.08	4227.43	-294.37	4190.44	4237.67	356.02	0.20	-0.18	0.09	55.00	152.10
13802.00	89.89	345.57	10350.01	4318.56	-317.45	4284.40	4330.21	355.80	0.57	-0.33	-0.47	55.00	-125.17
13897.00	90.46	345.74	10349.72	4410.59	-340.98	4379.35	4423.76	355.58	0.63	0.60	0.18	55.00	16.61
13992.00	89.49	346.45	10349.76	4502.81	-363.81	4474.32	4517.48	355.38	1.27	-1.02	0.75	55.00	143.80
14087.00	89.98	347.24	10350.20	4595.31	-385.43	4569.31	4611.45	355.21	0.98	0.52	0.83	55.00	58.19
14182.00	89.93	347.94	10350.28	4688.09	-405.85	4664.31	4705.63	355.05	0.74	-0.05	0.74	55.00	94.09
14277.00	89.76	347.59	10350.53	4780.94	-425.98	4759.31	4799.88	354.91	0.41	-0.18	-0.37	55.00	-115.91
14372.00	89.49	348.20	10351.15	4873.82	-445.90	4854.30	4894.18	354.77	0.70	-0.28	0.64	55.00	113.88
14467.00	90.46	349.52	10351.20	4967.03	-464.26	4949.27	4988.68	354.66	1.72	1.02	1.39	55.00	53.69
14562.00	89.85	348.82	10350.94	5060.33	-482.11	5044.23	5083.25	354.56	0.98	-0.64	-0.74	55.00	-131.07
14657.00	89.01	348.56	10351.88	5153.48	-500.74	5139.20	5177.75	354.45	0.93	-0.88	-0.27	55.00	-162.80
14752.00	88.92	349.87	10353.60	5246.79	-518.51	5234.14	5272.35	354.36	1.38	-0.09	1.38	55.00	93.94
14847.00	88.66	349.70	10355.61	5340.26	-535.35	5329.04	5367.03	354.28	0.33	-0.27	-0.18	55.00	-146.83
14942.00	88.79	350.05	10357.72	5433.76	-552.05	5423.93	5461.73	354.20	0.39	0.14	0.37	55.00	69.62
15036.00	88.92	349.87	10359.60	5526.30	-568.43	5517.82	5555.46	354.13	0.24	0.14	-0.19	55.00	-54.16
15131.00	88.18	349.17	10362.00	5619.68	-585.71	5612.73	5650.13	354.05	1.07	-0.78	-0.74	55.00	-136.61
15226.00	88.44	348.29	10364.80	5712.81	-604.27	5707.66	5744.68	353.96	0.97	0.27	-0.93	55.00	-73.55
15321.00	91.21	349.96	10365.09	5806.09	-622.19	5802.61	5839.33	353.88	3.40	2.92	1.76	55.00	31.09
15416.00	90.86	349.35	10363.38	5899.53	-639.24	5897.52	5934.06	353.82	0.74	-0.37	-0.64	55.00	-119.84
15510.00	90.15	348.38	10362.55	5991.76	-657.40	5991.49	6027.71	353.74	1.28	-0.76	-1.03	55.00	-126.20
15605.00	88.79	346.89	10363.43	6084.55	-677.74	6086.48	6122.17	353.64	2.12	-1.43	-1.57	55.00	-132.39
15700.00	88.84	346.53	10365.39	6176.98	-699.57	6181.45	6216.47	353.54	0.38	0.05	-0.38	55.00	-82.09
15795.00	89.41	346.18	10366.84	6269.29	-721.98	6276.42	6310.72	353.43	0.70	0.60	-0.37	55.00	-31.55
15890.00	90.37	345.30	10367.03	6361.36	-745.38	6371.38	6404.88	353.32	1.37	1.01	-0.93	55.00	-42.51
15985.00	89.71	343.46	10366.96	6452.85	-770.96	6466.23	6498.74	353.19	2.06	-0.69	-1.94	55.00	-109.73
16079.00	90.07	343.46	10367.14	6542.96	-797.72	6560.01	6591.41	353.05	0.38	0.38	0.00	55.00	0.00
16174.00	91.74	344.50	10365.64	6634.25	-823.93	6654.82	6685.22	352.92	2.07	1.76	1.09	55.00	31.90
16269.00	91.43	343.63	10363.01	6725.56	-850.00	6749.61	6779.07	352.80	0.97	-0.33	-0.92	55.00	-109.61
16364.00	90.81	342.84	10361.16	6816.51	-877.40	6844.33	6872.74	352.67	1.06	-0.65	-0.83	55.00	-128.12
16458.00	90.68	341.79	10359.93	6906.06	-905.95	6937.95	6965.23	352.53	1.13	-0.14	-1.12	55.00	-97.05
16553.00	91.12	342.40	10358.44	6996.44	-935.16	7032.52	7058.66	352.39	0.79	0.46	0.64	55.00	54.19
16648.00	92.44	342.84	10355.49	7087.06	-963.52	7127.13	7152.26	352.26	1.46	1.39	0.46	55.00	18.42
16743.00	92.13	342.49	10351.70	7177.67	-991.80	7221.73	7245.87	352.13	0.49	-0.33	-0.37	55.00	-131.55
16837.00	92.00	342.49	10348.32	7267.26	-1020.07	7315.31	7338.50	352.01	0.14	-0.14	0.00	55.00	180.00
16932.00	91.69	344.16	10345.26	7358.21	-1047.31	7410.01	7432.37	351.90	1.79	-0.33	1.76	55.00	100.49
17027.00	89.10	344.51	10344.60	7449.68	-1072.96	7504.86	7526.55	351.80	2.75	-2.73	0.37	55.00	172.30
17122.00	89.14	345.92	10346.06	7541.52	-1097.20	7599.78	7620.91	351.72	1.48	0.04	1.48	55.00	88.39
17217.00	90.46	345.92	10346.39	7633.66	-1120.31	7694.74	7715.43	351.65	1.39	1.39	0.00	55.00	0.00
17312.00	92.53	345.57	10343.91	7725.70	-1143.69	7789.66	7809.89	351.58	2.21	2.18	-0.37	55.00	-9.59
17406.00	93.14	345.30	10339.26	7816.57	-1167.30	7883.49	7903.25	351.51	0.71	0.65	-0.29	55.00	-23.84
17501.00	92.53	346.97	10334.57	7908.68	-1190.04	7978.34	7997.71	351.44	1.87	-0.64	1.76	55.00	110.05
17596.00	92.26	348.82	10330.60	8001.48	-1209.94	8073.25	8092.45	351.40	1.97	-0.28	1.95	55.00	98.27
17691.00	89.19	347.94	10329.39	8094.52	-1229.07	8168.22	8187.30	351.37	3.36	-3.23	-0.93	55.00	-164.00
17786.00	87.82	346.09	10331.87	8187.05	-1250.41	8263.18	8281.99	351.32	2.42	-1.44	-1.95	55.00	-126.55
17881.00	90.64	349.17	10333.15	8279.82	-1270.75	8358.15	8376.76	351.27	4.40	2.97	3.24	55.00	47.55
17976.00	90.37	348.82	10332.31	8373.07	-1288.89	8453.11	8471.69	351.25	0.47	-0.28	-0.37	55.00	-127.65
18071.00	89.36	348.56	10332.54	8466.22	-1307.52	8548.09	8566.59	351.22	1.10	-1.06	-0.27	55.00	-165.56
18166.00	88.26	348.91	10334.51	8559.37	-1326.07	8643.04	8661.48	351.19	1.22	-1.16	0.37	55.00	162.36
18261.00	89.19	349.17	10336.62	8652.61	-1344.13	8737.98	8756.39	351.17	1.02	0.98	0.27	55.00	15.62
18356.00	91.52	349.43	10336.03	8745.95	-1361.77	8832.92	8851.33	351.15	2.47	2.45	0.27	55.00	6.37
18451.00	91.03	348.47	10333.92	8839.16	-1379.97	8927.86	8946.24	351.13	1.13	-0.52	-1.01	55.00	-117.03
18546.00	89.80	346.53	10333.23	8931.90	-1400.53	9022.85	9041.04	351.09	2.42	-1.29	-2.04	55.00	-122.37
18641.00	89.32	345.04	10333.96	9023.99	-1423.86	9117.81	9135.63	351.03	1.65	-0.51	-1.57	55.00	-107.86
18735.00	89.71	346.18	10334.76	9115.04	-1447.22	9211.76	9229.21	350.98	1.28	0.41	1.21	55.00	71.12
18830.00	91.60	348.03	10333.67	9207.63	-1468.41	9306.74	9323.98	350.94	2.78	1.99	1.95	55.00	44.38
18924.00	90.11	346.45	10332.27	9299.29	-1489.17	9400.72	9417.77	350.90	2.31	-1.59	-1.68	55.00	-133.31
19019.00	91.21	349.79	10331.17	9392.23	-1508.73	9495.69	9512.64	350.87	3.70	1.16	3.52	55.00	71.76
19114.00	90.42	349.79	10329.82	9485.72	-1525.56	9590.60	9607.61	350.86	0.83	-0.83	0.00	55.00	180.00
19208.00	90.73	352.25	10328.88	9578.55	-1540.23	9684.41	9701.60	350.87	2.64	0.33	2.62	55.00	82.81
19303.00	89.41	350.40	10328.76	9672.46	-1554.56	9779.19	9796.59	350.87	2.39	-1.39	-1.95	55.00	-125.50
19398.00	88.62	350.49	10330.40	9766.13	-1570.33	9874.04	9891.57	350.87	0.84	-0.83	0.09	55.00	173.50
19493.00	88.00	350.23	10333.20	9859.75	-1586.23	9968.88	9986.53	350.86	0.71	-0.65	-0.27	55.00	-157.26
19587.00	87.78	349.52	10336.66	9952.22	-1602.74	10062.73	10080.45	350.85	0.79	-0.23	-0.76	55.00	-107.24
19682.00	88.84	349.61	10339.46	10045.60	-1619.94	10157.62	10175.38	350.84	1.12	1.12	0.09	55.00	4.85

19777.00	91.03	350.40	10339.57	10139.16	-1636.43	10252.52	10270.36	350.83	2.45	2.31	0.83	55.00	19.84	
19872.00	91.82	350.05	10337.21	10232.75	-1652.55	10347.38	10365.33	350.83	0.91	0.83	-0.37	55.00	-23.88	
19967.00	91.34	349.17	10334.59	10326.15	-1669.68	10442.28	10460.27	350.82	1.05	-0.51	-0.93	55.00	-118.61	
20062.00	90.02	347.41	10333.46	10419.16	-1688.96	10537.26	10555.17	350.79	2.32	-1.39	-1.85	55.00	-126.86	
20156.00	90.46	348.64	10333.06	10511.12	-1708.46	10631.25	10649.06	350.77	1.39	0.47	1.31	55.00	70.31	
20251.00	90.64	349.87	10332.15	10604.44	-1726.17	10726.19	10744.02	350.75	1.31	0.19	1.29	55.00	81.67	
20346.00	90.02	349.43	10331.61	10697.90	-1743.24	10821.12	10839.00	350.74	0.80	-0.65	-0.46	55.00	-144.64	
20441.00	89.71	349.87	10331.83	10791.35	-1760.31	10916.05	10933.98	350.74	0.57	-0.33	0.46	55.00	125.17	

Projection to Bit

MD (ft)	INC (°)	AZI (°)	TVD (ft)	North (ft)	East (ft)	VS (ft)	Clos Dist (ft)	Clos Azi (°)	Dogleg (°/100 ft)	B Rate (°/100 ft)	T Rate (°/100 ft)	Bit to Sensor (ft)	Calc TF (°)	Hole Section Type
20496.00	89.71	349.87	10332.11	10845.49	-1769.98	10971.00	10988.97	350.73	0.00	0.00	0.00	N/A		N/A

Projections

N-ZONE GUIDANCE LLC.



County of Andrews

I, Jimmy Hight , certify that; I am employed by N-Zone Guidance LLC.; that I did on the days of 01/24/2023 through days of 03/04/2023 conduct or supervise the taking of MWD surveys from a depth of 0' Feet to a depth of 20,496' Feet ; that the data is true, correct and within the limitations of the tool as set forth by N-Zone Guidance LLC.; That I am authorized and qualified to make this report; That these surveys was conducted at the request of Elevation Resources LLC, API: 42-003-48726 , UL G 9-36 B 2H , in Andrews County, Texas; and that I have reviewed this report and find that it conforms to the principles and procedures as set fourth by N-Zone Guidance LLC.

Jimmy Hight

Jimmy Hight

MWD Supervisor

Jimmy Hight
MWD Manager