

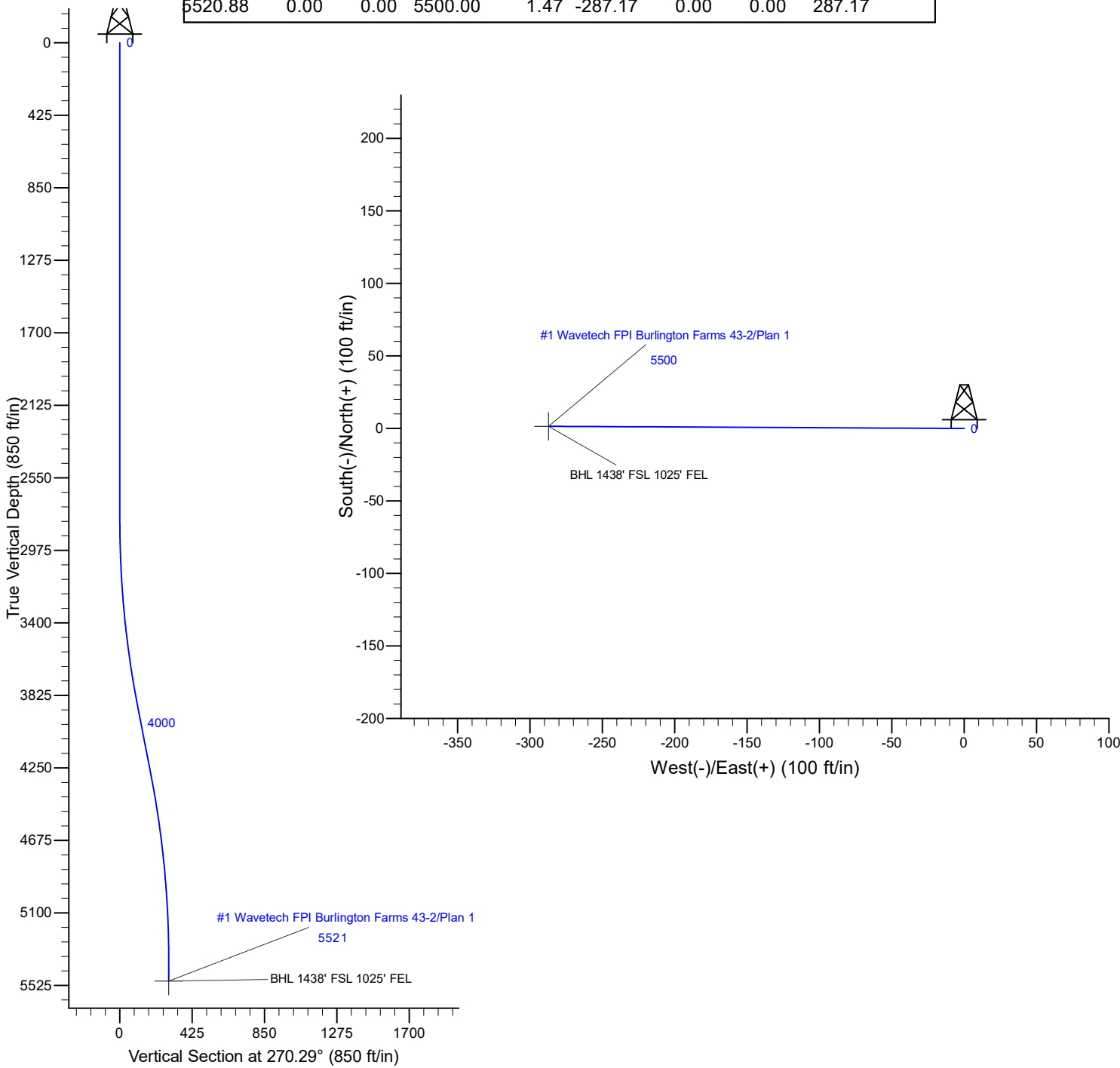
GL 4139.4' @ 4139.40ft  
4139.40

Northing Easting Latitude Longitude  
1455080.63 3940417.26 39.0358150 -102.1884680

PROJECT DETAILS: Cheyenne County, CO

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Colorado Central Zone  
System Datum: Mean Sea Level

SECTION DETAILS								
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	0.00
3902.12	11.02	270.29	3895.34	0.54	-105.67	1.00	270.29	105.67
4298.76	11.02	270.29	4284.66	0.93	-181.50	0.00	0.00	181.50
5400.88	0.00	0.00	5380.00	1.47	-287.17	1.00	180.00	287.17
5520.88	0.00	0.00	5500.00	1.47	-287.17	0.00	0.00	287.17



# **Wavetech Helium, Inc.**

**Cheyenne County, CO**

**FPI Burlington Farms 43-2**

**#1 Wavetech FPI Burlington Farms 43-2**

**OH**

**Plan: Plan 1**

## **Standard Planning Report**

**25 August, 2024**



# Scientific Drilling

## Planning Report

<b>Database:</b>	Casper	<b>Local Co-ordinate Reference:</b>	Well #1 Wavetech FPI Burlington Farms 43-2
<b>Company:</b>	Wavetech Helium, Inc.	<b>TVD Reference:</b>	GL 4139.4' @ 4139.40ft
<b>Project:</b>	Cheyenne County, CO	<b>MD Reference:</b>	GL 4139.4' @ 4139.40ft
<b>Site:</b>	FPI Burlington Farms 43-2	<b>North Reference:</b>	True
<b>Well:</b>	#1 Wavetech FPI Burlington Farms 43-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1		

<b>Project</b>	Cheyenne County, CO		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Central Zone		

<b>Site</b>	FPI Burlington Farms 43-2				
<b>Site Position:</b>	<b>Northing:</b>	1,455,080.64 usft	<b>Latitude:</b>	39.0358150	
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,940,417.26 usft	<b>Longitude:</b>	-102.1884680
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	13.200 in	<b>Grid Convergence:</b>	2.09 °

<b>Well</b>	#1 Wavetech FPI Burlington Farms 43-2, 1438' FSL 738' FEL Sec 2 T12S R43W					
<b>Well Position</b>	<b>+N/-S</b>	-0.01 ft	<b>Northing:</b>	1,455,080.63 usft	<b>Latitude:</b>	39.0358150
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	3,940,417.26 usft	<b>Longitude:</b>	-102.1884680
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>		<b>Ground Level:</b>	4,139.40 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HDGM2024	8/23/2024	6.00	65.80	51,014.1000000

<b>Design</b>	Plan 1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	270.29

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,902.12	11.02	270.29	3,895.34	0.54	-105.67	1.00	1.00	0.00	270.29	
4,298.76	11.02	270.29	4,284.66	0.93	-181.50	0.00	0.00	0.00	0.00	
5,400.88	0.00	0.00	5,380.00	1.47	-287.17	1.00	-1.00	0.00	180.00	
5,520.88	0.00	0.00	5,500.00	1.47	-287.17	0.00	0.00	0.00	0.00	BHL 1438' FSL 1025'

# Scientific Drilling

## Planning Report

<b>Database:</b>	Casper	<b>Local Co-ordinate Reference:</b>	Well #1 Wavetech FPI Burlington Farms 43-2
<b>Company:</b>	Wavetech Helium, Inc.	<b>TVD Reference:</b>	GL 4139.4' @ 4139.40ft
<b>Project:</b>	Cheyenne County, CO	<b>MD Reference:</b>	GL 4139.4' @ 4139.40ft
<b>Site:</b>	FPI Burlington Farms 43-2	<b>North Reference:</b>	True
<b>Well:</b>	#1 Wavetech FPI Burlington Farms 43-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,900.00	1.00	270.29	2,899.99	0.00	-0.87	0.87	1.00	1.00	0.00	
3,000.00	2.00	270.29	2,999.96	0.02	-3.49	3.49	1.00	1.00	0.00	
3,100.00	3.00	270.29	3,099.86	0.04	-7.85	7.85	1.00	1.00	0.00	
3,200.00	4.00	270.29	3,199.68	0.07	-13.96	13.96	1.00	1.00	0.00	
3,300.00	5.00	270.29	3,299.37	0.11	-21.80	21.80	1.00	1.00	0.00	
3,400.00	6.00	270.29	3,398.90	0.16	-31.39	31.39	1.00	1.00	0.00	
3,500.00	7.00	270.29	3,498.26	0.22	-42.71	42.71	1.00	1.00	0.00	
3,600.00	8.00	270.29	3,597.40	0.28	-55.76	55.76	1.00	1.00	0.00	
3,700.00	9.00	270.29	3,696.30	0.36	-70.54	70.54	1.00	1.00	0.00	
3,800.00	10.00	270.29	3,794.93	0.44	-87.04	87.05	1.00	1.00	0.00	
3,900.00	11.00	270.29	3,893.26	0.54	-105.27	105.27	1.00	1.00	0.00	
3,902.12	11.02	270.29	3,895.34	0.54	-105.67	105.67	1.00	1.00	0.00	
4,000.00	11.02	270.29	3,991.41	0.64	-124.38	124.39	0.00	0.00	0.00	
4,100.00	11.02	270.29	4,089.57	0.73	-143.50	143.50	0.00	0.00	0.00	
4,200.00	11.02	270.29	4,187.72	0.83	-162.62	162.62	0.00	0.00	0.00	
4,298.76	11.02	270.29	4,284.66	0.93	-181.50	181.50	0.00	0.00	0.00	
4,300.00	11.01	270.29	4,285.88	0.93	-181.73	181.74	1.00	-1.00	0.00	
4,400.00	10.01	270.29	4,384.20	1.02	-199.97	199.98	1.00	-1.00	0.00	
4,500.00	9.01	270.29	4,482.82	1.11	-216.49	216.50	1.00	-1.00	0.00	
4,600.00	8.01	270.29	4,581.72	1.18	-231.29	231.29	1.00	-1.00	0.00	
4,700.00	7.01	270.29	4,680.86	1.25	-244.36	244.36	1.00	-1.00	0.00	
4,800.00	6.01	270.29	4,780.22	1.31	-255.69	255.69	1.00	-1.00	0.00	
4,900.00	5.01	270.29	4,879.75	1.36	-265.29	265.29	1.00	-1.00	0.00	
5,000.00	4.01	270.29	4,979.44	1.40	-273.15	273.16	1.00	-1.00	0.00	
5,100.00	3.01	270.29	5,079.25	1.43	-279.27	279.28	1.00	-1.00	0.00	

# Scientific Drilling

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<b>Site:</b>	FPI Burlington Farms 43-2	<b>North Reference:</b>	True
<b>Well:</b>	#1 Wavetech FPI Burlington Farms 43-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
5,200.00	2.01	270.29	5,179.16	1.45	-283.65	283.65	1.00	-1.00	0.00	
5,300.00	1.01	270.29	5,279.12	1.46	-286.28	286.29	1.00	-1.00	0.00	
5,400.00	0.01	270.29	5,379.12	1.47	-287.17	287.17	1.00	-1.00	0.00	
5,400.88	0.00	0.00	5,380.00	1.47	-287.17	287.17	1.00	-1.00	0.00	
5,500.00	0.00	0.00	5,479.12	1.47	-287.17	287.17	0.00	0.00	0.00	
5,520.88	0.00	0.00	5,500.00	1.47	-287.17	287.17	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
BHL 1438' FSL 1025' FE - hit/miss target - Shape - Point	0.00	0.00	5,500.00	1.47	-287.17	1,455,071.63	3,940,130.22	39.0358190	-102.1894790	