

**Scientific
Drilling**

Survey Certification

7327 West Barton Road
Casper, WY 82604
(307) 472-6621 Fax (307) 472-5439

Operator	Wavetech Helium, Inc.
Well Name & No.	1 Wavetech FPI Burlington Farms 32-11
API #	05-017-07820
County & State	Cheyenne County, CO
SDI Job #	OP.044929
Rig	Duke 9
Survey Date	6/20/2024 to 6/24/2024
GL & KB Elevation	GL 4164.5'

I, Julie Cruse, having personal knowledge of all the facts, hereby
certify that the attached directional survey run from a measured depth of 0 feet to a
measured depth of 5470 feet is true and correct as determined from all available records.

Signature

5-Jul-2024

Date

Julie Cruse

Rockies Region Well Planner
Scientific Drilling - Rocky Mountain District

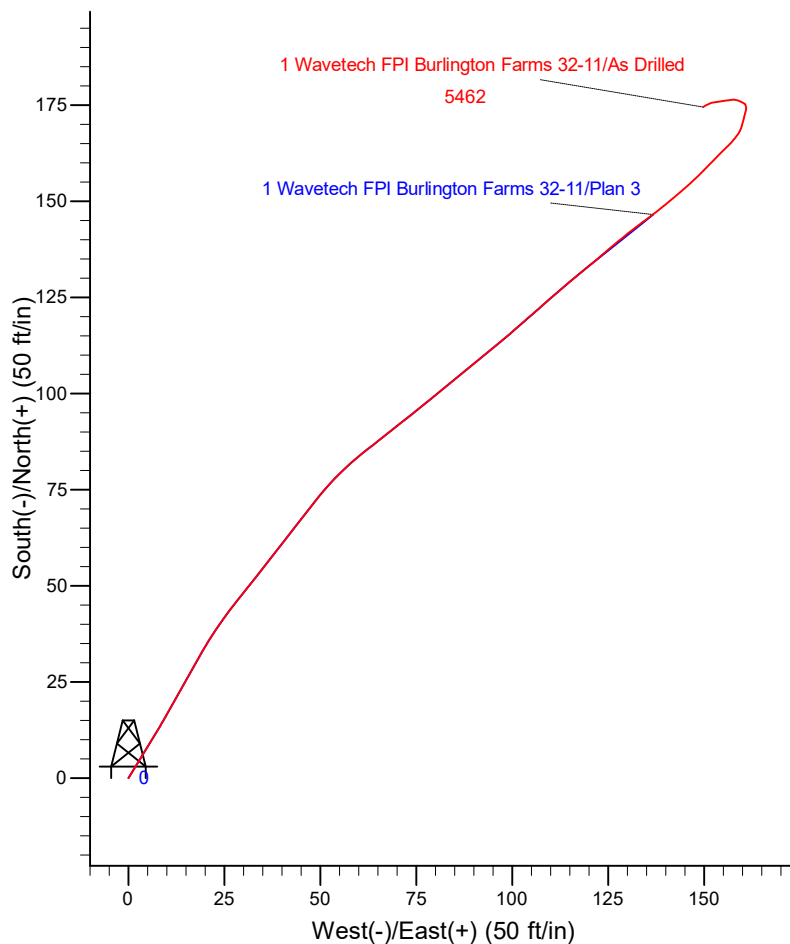
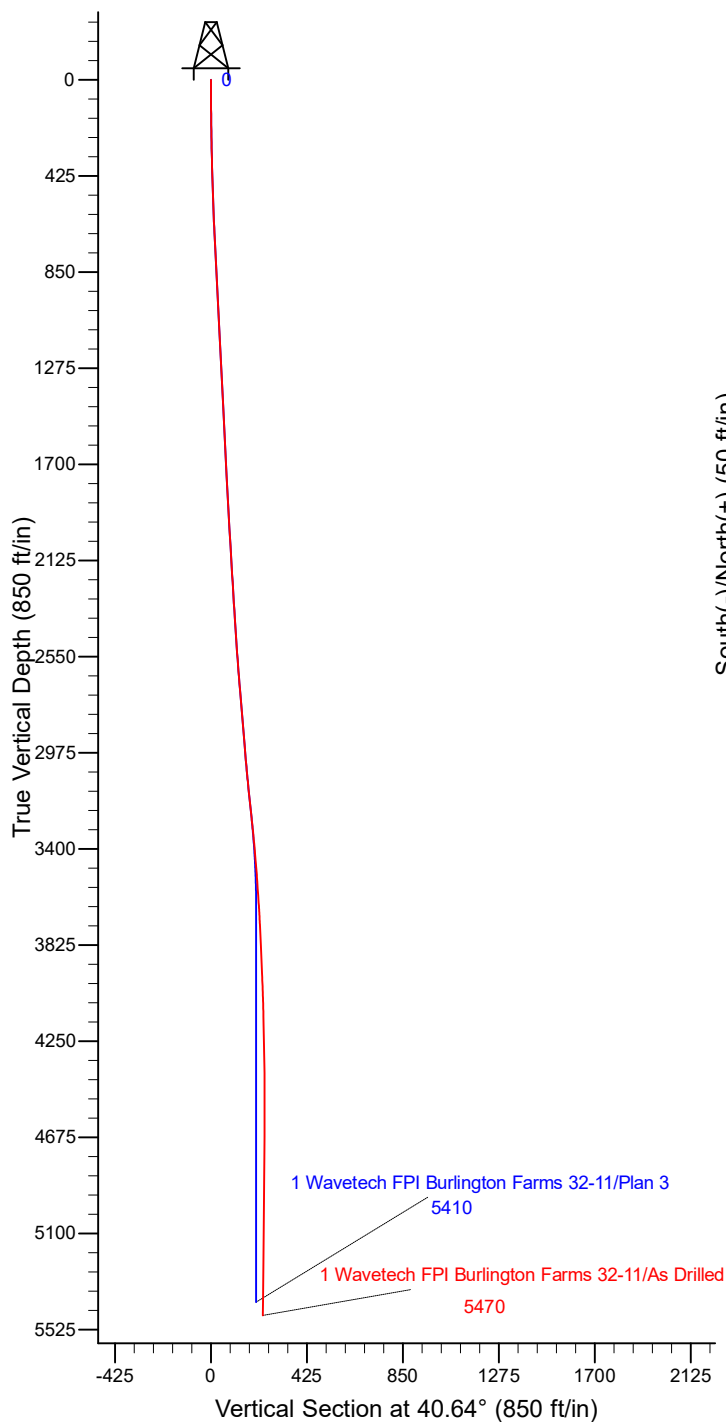
Ungraded GL @ 4164.50ft

Northing	Easting	Latitude	Longitude
1452142.64	3939231.56	39.0278719	-102.1930160

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
 Local North: True



Wavetech Helium, Inc.

Cheyenne County, CO

FPI Burlington Farms

1 Wavetech FPI Burlington Farms 32-11

OH

Design: As Drilled

Standard Survey Report

05 July, 2024



Scientific Drilling
Survey Report

Company:	Wavetech Helium, Inc.	Local Co-ordinate Reference:	Well 1 Wavetech FPI Burlington Farms 32-11
Project:	Cheyenne County, CO	TVD Reference:	Ungraded GL @ 4164.50ft
Site:	FPI Burlington Farms	MD Reference:	Ungraded GL @ 4164.50ft
Well:	1 Wavetech FPI Burlington Farms 32-11	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Casper

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

Site	FPI Burlington Farms, Site Center: FPI Burlington Farms 32-11				
Site Position:		Northing:	1,452,142.65 usft	Latitude:	39.0278720
From:	Lat/Long	Easting:	3,939,231.56 usft	Longitude:	-102.1930160
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	2.09 °

Well	1 Wavetech FPI Burlington Farms 32-11, 1463' FNL 2162' FWL Sec 11 T12N R43W					
Well Position	+N/-S	0.00 ft	Northing:	1,452,142.64 usft	Latitude:	39.0278720
	+E/-W	0.00 ft	Easting:	3,939,231.56 usft	Longitude:	-102.1930160
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	4,164.50 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2024	6/19/2024	6.00	65.80	51,032.90000000

Design	As Drilled			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth:
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	40.64

Survey Program	Date	7/5/2024		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
677.00	5,470.00	Survey #1 (OH)	MWD+HDGM	OWSG MWD + HDGM

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
677.00	2.68	31.43	676.75	13.51	8.25	15.63	0.40	0.40	0.00
First SDI MWD Survey									
741.00	2.95	28.74	740.68	16.23	9.83	18.71	0.47	0.42	-4.20
1,118.00	2.90	30.19	1,117.18	32.98	19.29	37.59	0.02	-0.01	0.38
1,434.00	2.88	38.84	1,432.78	46.07	28.29	53.38	0.14	-0.01	2.74
1,750.00	2.97	37.86	1,748.37	58.72	38.29	69.49	0.03	0.03	-0.31
2,065.00	3.29	38.05	2,062.90	72.28	48.87	86.67	0.10	0.10	0.06
2,380.00	3.62	52.15	2,377.34	85.50	62.29	105.45	0.29	0.10	4.48
2,697.00	4.81	50.94	2,693.47	100.01	80.51	128.33	0.38	0.38	-0.38
2,943.00	4.84	50.47	2,938.60	113.12	96.53	148.70	0.02	0.01	-0.19

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Site:	FPI Burlington Farms	MD Reference:	Ungraded GL @ 4164.50ft
Well:	1 Wavetech FPI Burlington Farms 32-11	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Casper

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)
3,010.00	5.05	48.79	3,005.35	116.86	100.93	154.41	0.38	0.31	-2.51
3,073.00	5.42	49.03	3,068.09	120.64	105.26	160.10	0.59	0.59	0.38
3,137.00	5.92	48.69	3,131.77	124.80	110.02	166.36	0.78	0.78	-0.53
3,200.00	5.97	50.02	3,194.44	129.05	114.97	172.80	0.23	0.08	2.11
3,264.00	6.04	51.31	3,258.08	133.29	120.15	179.40	0.24	0.11	2.02
3,295.00	6.15	48.88	3,288.91	135.40	122.67	182.64	0.90	0.35	-7.84
3,359.00	5.66	50.57	3,352.57	139.66	127.69	189.14	0.81	-0.77	2.64
3,455.00	4.90	53.88	3,448.16	145.09	134.66	197.80	0.85	-0.79	3.45
3,550.00	4.01	50.32	3,542.87	149.60	140.50	205.02	0.98	-0.94	-3.75
3,645.00	3.77	48.55	3,637.66	153.79	145.39	211.39	0.28	-0.25	-1.86
3,741.00	2.59	44.45	3,733.51	157.42	149.28	216.68	1.25	-1.23	-4.27
3,835.00	2.59	44.78	3,827.41	160.45	152.26	220.92	0.02	0.00	0.35
3,961.00	2.46	44.97	3,953.29	164.38	156.18	226.45	0.10	-0.10	0.15
4,055.00	1.91	36.36	4,047.22	167.07	158.53	230.03	0.68	-0.59	-9.16
4,148.00	1.39	16.28	4,140.18	169.40	159.77	232.60	0.83	-0.56	-21.59
4,398.00	0.90	10.98	4,390.13	174.24	160.99	237.07	0.20	-0.20	-2.12
4,494.00	0.60	304.97	4,486.12	175.27	160.72	237.68	0.89	-0.31	-68.76
4,587.00	0.63	294.28	4,579.12	175.76	159.86	237.48	0.13	0.03	-11.49
4,681.00	0.72	296.29	4,673.11	176.23	158.86	237.19	0.10	0.10	2.14
4,777.00	0.70	267.98	4,769.10	176.48	157.73	236.64	0.36	-0.02	-29.49
4,871.00	0.65	254.60	4,863.10	176.32	156.64	235.81	0.18	-0.05	-14.23
4,966.00	0.84	268.51	4,958.09	176.15	155.43	234.90	0.27	0.20	14.64
5,248.00	0.63	252.18	5,240.07	175.63	151.88	232.19	0.10	-0.07	-5.79
5,413.00	0.62	236.19	5,405.06	174.85	150.28	230.56	0.11	-0.01	-9.69
Last SDI MWD Survey									
5,470.00	0.62	236.19	5,462.05	174.51	149.77	229.96	0.00	0.00	0.00
Projection to Bit									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
677.00	676.75	13.51	8.25	First SDI MWD Survey
5,413.00	5,405.06	174.85	150.28	Last SDI MWD Survey
5,470.00	5,462.05	174.51	149.77	Projection to Bit

Checked By: _____ Approved By: _____ Date: _____