WMC 24-17 Pad
WMC 332-20
Well WMC 332-20 - Slot WMC 332-20, True North
Plan 3

Terra Energy Partners, LLP
WMC 332-20
Garfield County, CO (Nad 83)
KB=30' @ 8898.0ft

PROJECT DETAILS: Garfield County, CO (Nad 83)

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

System Datum: Mean Sea Level

WELL DETAILS: WMC 332-20

Ground Level: 8868.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1593012.900	2350641.800	39.439025	-107.799437	WMC 332-20

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
KMV	8838.0	-1940.1	1413.2	1591037.700	2352005.400	39.433698	-107.794434
PBHL	10988.0	-1940.1	1413.2	1591037.700	2352005.400	39.433698	-107.794434

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Departure	Annotation
120.0	120.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 3.00
286.5	286.7	5.00	100.00	-1.3	7.2	5.2	7.3	Start 25.0 hold at 286.7 MD
311.4	311.7	5.00	100.00	-1.6	9.3	6.8	9.4	Start DLS 3.00 TFO 58.52
768.8	778.0	17.13	144.43	-61.3	69.6	90.5	95.8	Start 7266.5 hold at 778.0 MD
7713.0	8044.6	17.13	144.43	-1802.2	1314.6	2230.7	2236.0	Start Drop -1.50
8838.0	9186.6	0.00	0.00	-1940.1	1413.2	2400.2	2405.5	Start 2150.0 hold at 9186.6 MD
10988.0	11336.6	0.00	0.00	-1940.1	1413.2	2400.2	2405.5	TD at 11336.6

SLOTS

Slot Name	+N/-S	+E/-W	Northing	Easting
WMC 11-20	28.0	-45.5	1593042.000	2350597.000
WMC 12-20	22.6	-31.5	1593036.300	2350610.900
WMC 13-20	17.3	-17.4	1593030.600	2350624.800
WMC 311-20	18.6	-49.1	1593032.700	2350593.200
WMC 312-20	13.2	-35.0	1593027.000	2350607.100
WMC 32-20	14.6	-10.5	1593027.800	2350631.700
WMC 331-20	6.7	10.6	1593019.300	2350652.600
WMC 33-20	8.0	-21.0	1593021.400	2350621.000
WMC 332-20	0.0	0.0	1593012.900	2350641.800
WMC 411-20	25.2	-38.5	1593039.100	2350604.000
WMC 412-20	20.0	-24.5	1593033.500	2350617.800
WMC 431-20	9.3	3.6	1593022.100	2350645.600
WMC 432-20	2.6	-7.0	1593015.700	2350634.900
WMC 511-20	15.9	-42.0	1593029.900	2350600.200
WMC 512-20	10.6	-28.0	1593024.200	2350614.100
WMC 531-20	12.0	-3.4	1593025.000	2350638.700
WMC 532-20	5.2	-13.9	1593018.500	2350628.000

Azimuths to True North
Magnetic North: 9.04°

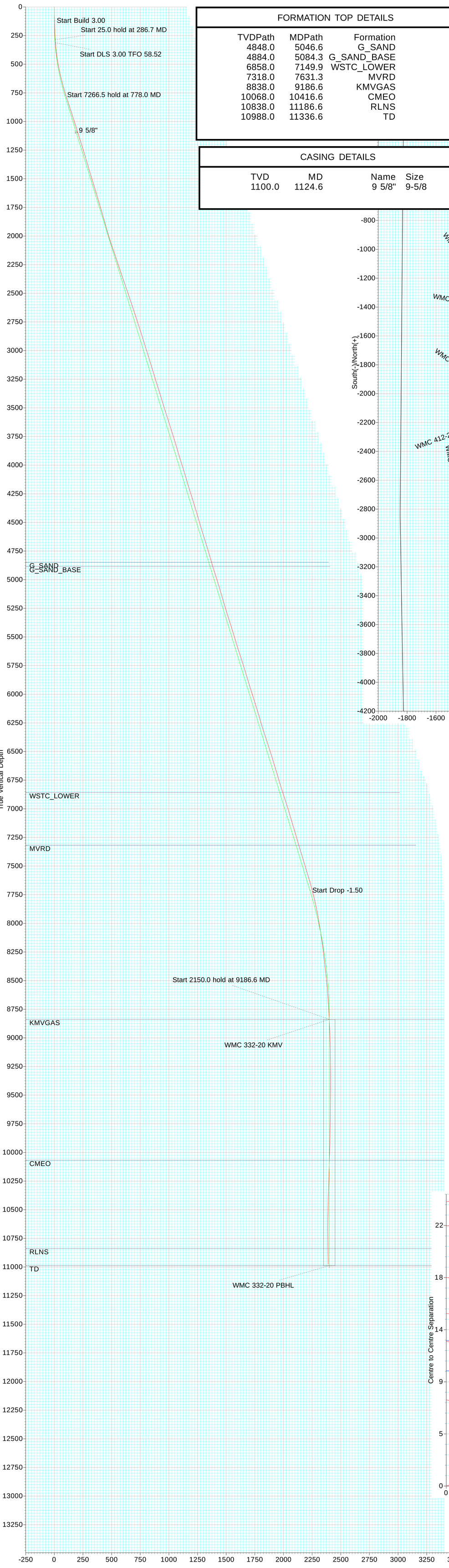
Magnetic Field
Strength: 50891.8snT
Dip Angle: 65.47°
Date: 12/6/2022
Model: IGRF2015

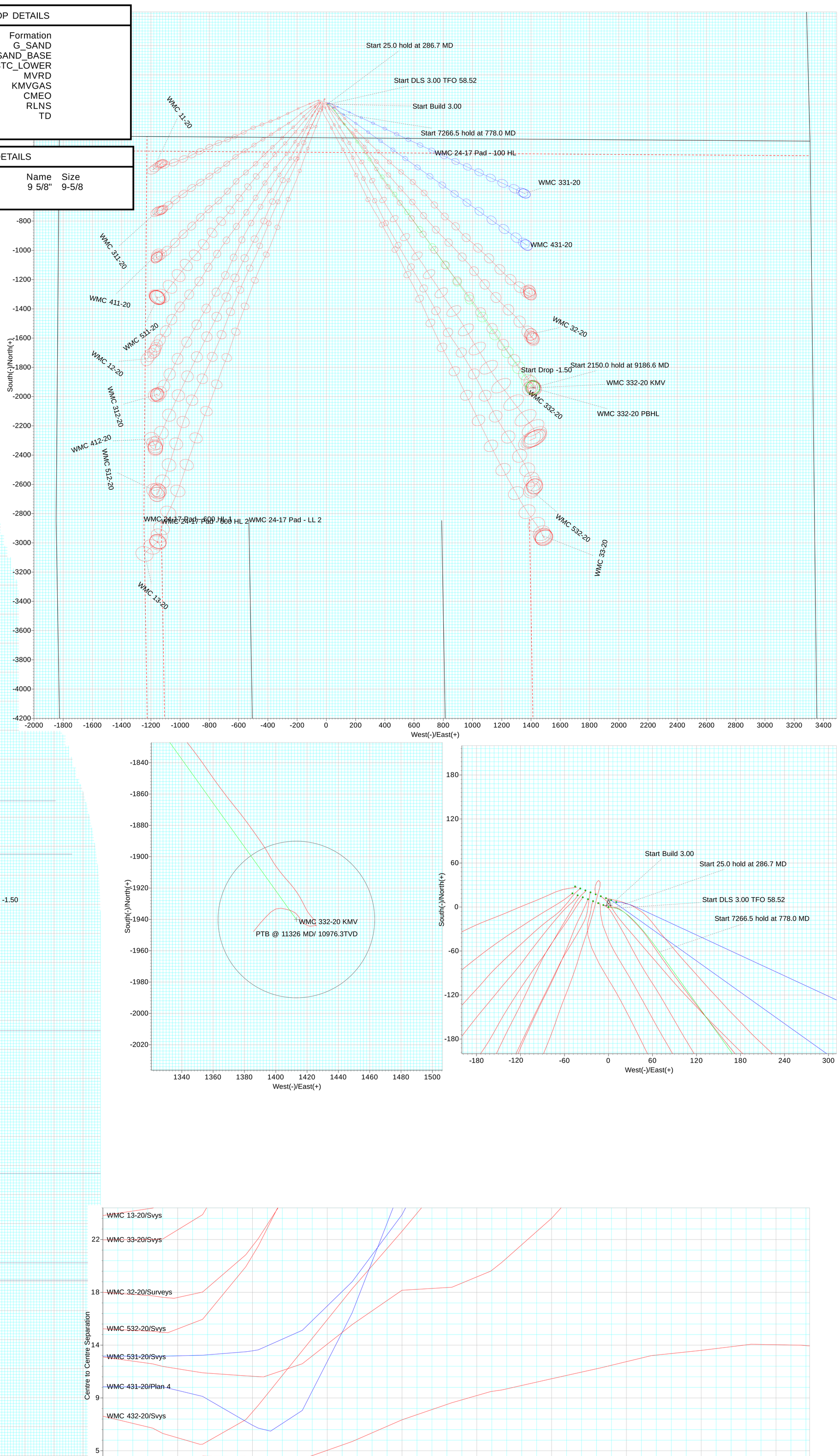
FORMATION TOP DETAILS

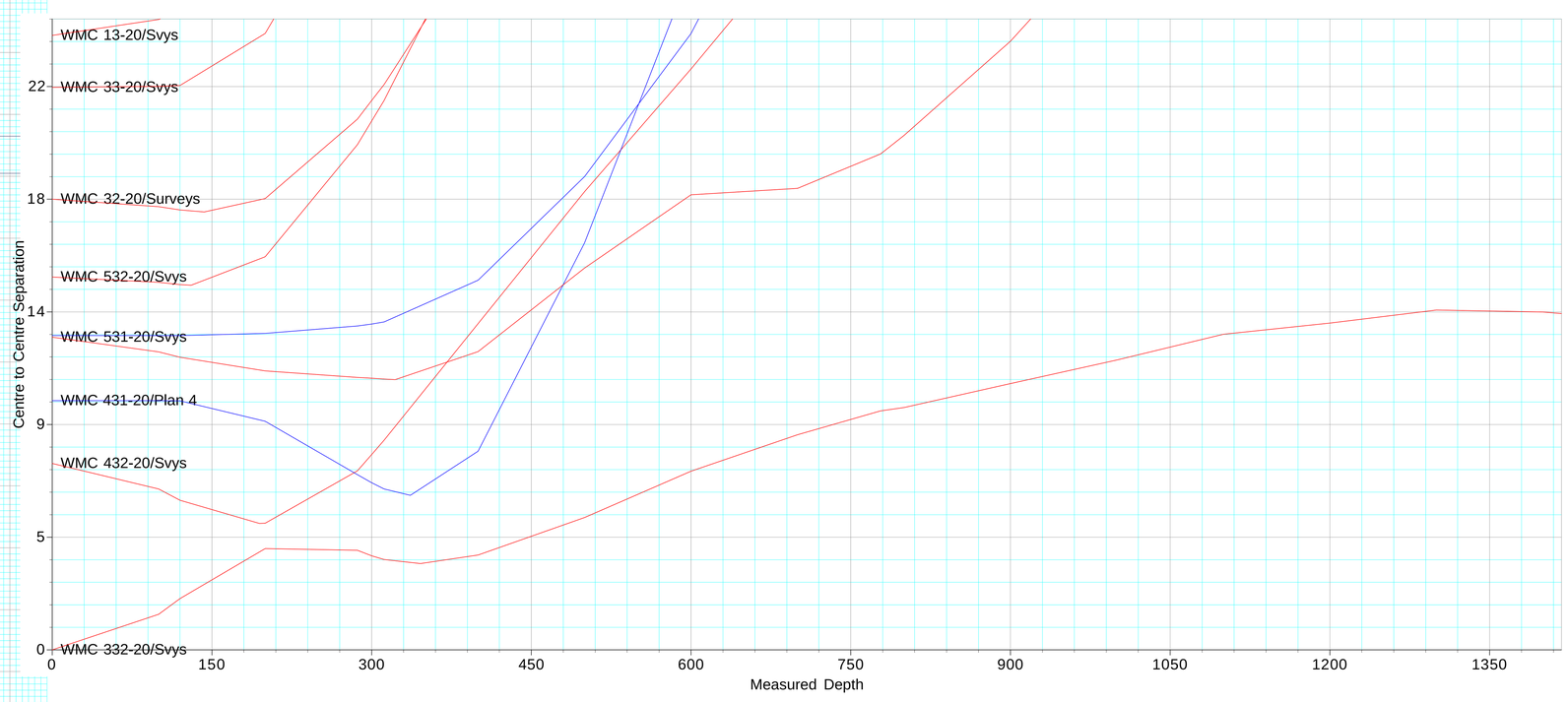
TVDPath	MDPath	Formation
4848.0	5046.6	G_SAND
4884.0	5084.3	G_SAND_BASE
6858.0	7149.9	WSTC_LOWER
7318.0	7631.3	MVRD
8838.0	9186.6	KMVGAS
10068.0	10416.6	CMEO
10838.0	11186.6	RLNS
10988.0	11336.6	TD

CASING DETAILS

TVD	MD	Name	Size
1100.0	1124.6	9 5/8"	9-5/8







NATIVE NAVIGATION

DIRECTIONAL DRILLING SPECIALISTS

Directional Survey Certification

Survey Company: Native Navigation **Survey Company Job** 22122677

Well Name WMC 332-20 **A.P.I.#** 05-045-24491 **Operator:** Terra Energy Partners

Latitude: 39.439025 **Longitude:** -107.799437 **County, State:** Garfield County, CO

Legal Description (S,TS,R): Sec 17, T7S, R93W

Final Report 12/13/2022 **Date of First Survey:** 12/7/2022 **Date of Last Survey:** 12/12/2022

Datum: NAD 83 **Survey MD From:** 202.00 **To:** 11264 FT. **Tool Type:** MWD + HRGM

Bit to Sensor: 62 FT. **Rig (Company & Number):** H&P 329 **RKB Height:** 30.00

Ground Elevation: 8868.00 **Northings:** 1593012.900 **Eastings:** 2350641.800

Surveyor Jeremy Harwood **Depth of Final Projection:** 11326 FT.

The data and calculations for this survey have been checked by me and conform to the calibration standards and operational procedures set forth by Native Navigation. I am authorized and qualified to review the data, calculations and this report, and that the report represents a true and correct Directional Survey of this well, based on the original data corrected to True North and obtained at the well site. Wellbore coordinates are calculated using the minimum curvature method.

Signature	Title	Company	Date
	Well Planner	Native Navigation	12/13/22

Terra Energy Partners, LLP

Garfield County, CO (Nad 83)
WMC 24-17 Pad
WMC 332-20 - Slot WMC 332-20

OH

Survey: Svys

Standard Survey Report

13 December, 2022

Company:	Terra Energy Partners, LLP	**Local Co-ordinate Reference:**	Well WMC 332-20 - Slot WMC 332-20
Project:	Garfield County, CO (Nad 83)	**TVD Reference:**	KB=30' @ 8898.0ft
Site:	WMC 24-17 Pad	**MD Reference:**	KB=30' @ 8898.0ft
Well:	WMC 332-20	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Svys	**Database:**	NN

Project Garfield County, CO (Nad 83)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site WMC 24-17 Pad

Site Position:		**Northing:**	1,593,032.700 usft	**Latitude:**	39.439076
From:	Map	**Easting:**	2,350,593.200 usft	**Longitude:**	-107.799611
Position Uncertainty:	0.0 ft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	-1.45 °

Well WMC 332-20 - Slot WMC 332-20

Well Position	**+N/-S**	0.0 ft	**Northing:**	1,593,012.900 usft	**Latitude:**	39.439025
	+E/-W	0.0 ft	**Easting:**	2,350,641.800 usft	**Longitude:**	-107.799438
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	0.0 ft	**Ground Level:**	8,868.0 ft

Wellbore OH

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	12/6/2022	9.04	65.47	50,892

Design Svys

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**
	0.0	0.0	0.0	143.93

Survey Program **Date** 12/12/2022

From (ft)	**To (ft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
202.0	11,326.0	Svys (OH)	OWSG (REV5) MWD HDGM	OWSG MWD - Standard

Survey

Measured Depth (ft)	**Inclination (°)**	**Azimuth (°)**	**Vertical Depth (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Vertical Section (ft)**	**Dogleg Rate (°/100usft)**	**Build Rate (°/100usft)**	**Turn Rate (°/100usft)**
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
202.0	3.29	89.53	201.9	0.0	5.8	3.4	1.63	1.63	0.00
First Survey @ 202 MD/ 201.9 TVD									
298.0	4.39	113.53	297.7	-1.4	11.9	8.1	2.00	1.15	25.00
391.0	7.20	125.13	390.2	-6.2	20.0	16.7	3.26	3.02	12.47
483.0	9.80	135.24	481.2	-15.1	30.2	29.9	3.25	2.83	10.99
577.0	12.48	137.61	573.4	-28.2	42.7	47.9	2.89	2.85	2.52
669.0	14.63	146.23	662.8	-45.2	55.8	69.4	3.20	2.34	9.37
762.0	17.36	144.73	752.2	-66.3	70.4	95.1	2.97	2.94	-1.61
856.0	17.80	144.12	841.8	-89.4	86.9	123.4	0.51	0.47	-0.65
949.0	17.71	143.15	930.4	-112.3	103.7	151.8	0.33	-0.10	-1.04

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Site:	WMC 24-17 Pad	**MD Reference:**	KB=30' @ 8898.0ft
Well:	WMC 332-20	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Svys	**Database:**	NN

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,042.0	17.89	142.10	1,019.0	-134.9	121.0	180.2	0.40	0.19	-1.13
1,066.0	17.75	141.92	1,041.8	-140.6	125.5	187.6	0.63	-0.58	-0.75
1,160.0	17.27	142.08	1,131.5	-162.9	142.9	215.8	0.51	-0.51	0.17
1,250.0	17.40	140.95	1,217.4	-183.9	159.6	242.6	0.40	0.14	-1.26
1,341.0	16.92	141.48	1,304.3	-204.8	176.4	269.4	0.55	-0.53	0.58
1,431.0	16.22	139.11	1,390.6	-224.6	192.8	295.0	1.08	-0.78	-2.63
1,521.0	16.92	143.59	1,476.8	-244.6	208.8	320.7	1.62	0.78	4.98
1,612.0	16.92	144.21	1,563.9	-266.0	224.4	347.2	0.20	0.00	0.68
1,703.0	16.61	144.29	1,651.0	-287.3	239.7	373.4	0.34	-0.34	0.09
1,793.0	16.52	143.68	1,737.3	-308.1	254.8	399.1	0.22	-0.10	-0.68
1,884.0	15.95	144.82	1,824.7	-328.7	269.7	424.5	0.72	-0.63	1.25
1,974.0	15.60	143.94	1,911.3	-348.6	283.9	449.0	0.47	-0.39	-0.98
2,065.0	16.69	147.98	1,998.7	-369.6	298.1	474.2	1.72	1.20	4.44
2,155.0	18.98	149.65	2,084.4	-393.2	312.3	501.7	2.61	2.54	1.86
2,246.0	18.76	149.21	2,170.5	-418.5	327.3	531.0	0.29	-0.24	-0.48
2,336.0	18.67	150.88	2,255.7	-443.5	341.7	559.7	0.60	-0.10	1.86
2,427.0	18.98	147.01	2,341.9	-468.7	356.8	588.9	1.41	0.34	-4.25
2,518.0	18.89	147.72	2,427.9	-493.6	372.8	618.4	0.27	-0.10	0.78
2,608.0	18.72	145.34	2,513.1	-517.7	388.8	647.4	0.87	-0.19	-2.64
2,698.0	18.54	144.99	2,598.4	-541.3	405.2	676.1	0.24	-0.20	-0.39
2,789.0	18.01	145.08	2,684.8	-564.7	421.5	704.7	0.58	-0.58	0.10
2,879.0	17.97	143.32	2,770.4	-587.3	437.8	732.5	0.61	-0.04	-1.96
2,970.0	17.88	143.76	2,857.0	-609.8	454.4	760.5	0.18	-0.10	0.48
3,060.0	17.18	144.90	2,942.8	-631.8	470.3	787.6	0.87	-0.78	1.27
3,151.0	17.44	142.97	3,029.7	-653.7	486.2	814.6	0.69	0.29	-2.12
3,241.0	17.05	142.71	3,115.7	-675.0	502.3	841.3	0.44	-0.43	-0.29
3,332.0	16.56	142.00	3,202.8	-695.8	518.4	867.6	0.58	-0.54	-0.78
3,422.0	17.66	142.36	3,288.8	-716.7	534.6	894.1	1.23	1.22	0.40
3,513.0	17.40	144.03	3,375.6	-738.7	551.0	921.5	0.62	-0.29	1.84
3,603.0	16.61	142.98	3,461.6	-759.8	566.7	947.8	0.94	-0.88	-1.17
3,694.0	17.93	143.94	3,548.5	-781.5	582.8	974.8	1.48	1.45	1.05
3,784.0	17.53	144.12	3,634.2	-803.7	598.9	1,002.2	0.45	-0.44	0.20
3,875.0	17.36	144.12	3,721.1	-825.8	614.8	1,029.5	0.19	-0.19	0.00
3,965.0	16.96	143.85	3,807.1	-847.3	630.5	1,056.1	0.45	-0.44	-0.30
4,056.0	16.52	144.21	3,894.2	-868.5	645.9	1,082.3	0.50	-0.48	0.40
4,146.0	17.58	142.54	3,980.2	-889.7	661.6	1,108.7	1.30	1.18	-1.86
4,237.0	17.01	143.42	4,067.1	-911.3	677.9	1,135.7	0.69	-0.63	0.97
4,328.0	16.08	144.82	4,154.4	-932.3	693.1	1,161.6	1.11	-1.02	1.54
4,418.0	17.93	145.35	4,240.4	-953.8	708.1	1,187.9	2.06	2.06	0.59
4,509.0	17.14	144.65	4,327.2	-976.3	723.9	1,215.3	0.90	-0.87	-0.77
4,599.0	16.70	143.15	4,413.3	-997.5	739.3	1,241.5	0.69	-0.49	-1.67
4,690.0	16.08	143.50	4,500.6	-1,018.1	754.6	1,267.2	0.69	-0.68	0.38
4,780.0	17.40	144.21	4,586.8	-1,039.0	769.9	1,293.1	1.48	1.47	0.79

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Well:	WMC 332-20	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Svys	**Database:**	NN

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,871.0	17.18	143.68	4,673.7	-1,060.9	785.8	1,320.2	0.30	-0.24	-0.58
4,961.0	16.61	144.03	4,759.8	-1,082.0	801.3	1,346.3	0.64	-0.63	0.39
5,052.0	15.95	144.47	4,847.1	-1,102.7	816.2	1,371.8	0.74	-0.73	0.48
5,142.0	17.84	143.77	4,933.2	-1,123.9	831.5	1,398.0	2.11	2.10	-0.78
5,233.0	17.23	143.59	5,020.0	-1,146.0	847.7	1,425.4	0.67	-0.67	-0.20
5,323.0	16.61	143.06	5,106.1	-1,167.0	863.4	1,451.6	0.71	-0.69	-0.59
5,414.0	15.82	143.77	5,193.5	-1,187.4	878.5	1,477.0	0.90	-0.87	0.78
5,504.0	17.67	142.10	5,279.7	-1,208.1	894.2	1,502.9	2.12	2.06	-1.86
5,595.0	17.53	142.00	5,366.4	-1,229.8	911.1	1,530.4	0.16	-0.15	-0.11
5,685.0	17.00	143.23	5,452.4	-1,251.0	927.3	1,557.1	0.72	-0.59	1.37
5,776.0	16.61	142.18	5,539.5	-1,271.9	943.3	1,583.4	0.54	-0.43	-1.15
5,866.0	18.28	143.85	5,625.3	-1,293.5	959.5	1,610.4	1.94	1.86	1.86
5,957.0	17.75	144.11	5,711.9	-1,316.2	976.0	1,638.6	0.59	-0.58	0.29
6,047.0	17.13	142.80	5,797.7	-1,337.9	992.1	1,665.5	0.82	-0.69	-1.46
6,138.0	16.47	143.67	5,884.9	-1,359.0	1,007.8	1,691.8	0.78	-0.73	0.96
6,228.0	17.66	143.94	5,970.9	-1,380.3	1,023.4	1,718.2	1.33	1.32	0.30
6,319.0	17.53	144.20	6,057.6	-1,402.6	1,039.6	1,745.7	0.17	-0.14	0.29
6,409.0	16.96	143.50	6,143.6	-1,424.1	1,055.3	1,772.4	0.67	-0.63	-0.78
6,500.0	16.12	144.29	6,230.8	-1,445.0	1,070.6	1,798.3	0.96	-0.92	0.87
6,591.0	18.06	144.38	6,317.8	-1,466.8	1,086.2	1,825.1	2.13	2.13	0.10
6,681.0	17.97	145.17	6,403.4	-1,489.5	1,102.2	1,852.9	0.29	-0.10	0.88
6,772.0	17.97	145.08	6,489.9	-1,512.5	1,118.3	1,881.0	0.03	0.00	-0.10
6,862.0	16.91	145.52	6,575.8	-1,534.7	1,133.6	1,907.9	1.19	-1.18	0.49
6,953.0	16.87	145.17	6,662.9	-1,556.4	1,148.7	1,934.4	0.12	-0.04	-0.38
7,043.0	16.21	145.87	6,749.2	-1,577.6	1,163.2	1,960.0	0.77	-0.73	0.78
7,134.0	18.14	146.49	6,836.1	-1,599.9	1,178.1	1,986.8	2.13	2.12	0.68
7,225.0	17.88	145.43	6,922.6	-1,623.2	1,193.9	2,014.9	0.46	-0.29	-1.16
7,315.0	17.05	145.52	7,008.5	-1,645.5	1,209.2	2,041.9	0.92	-0.92	0.10
7,406.0	16.21	147.01	7,095.7	-1,667.1	1,223.6	2,068.0	1.04	-0.92	1.64
7,496.0	17.14	145.70	7,181.9	-1,688.6	1,238.0	2,093.8	1.11	1.03	-1.46
7,587.0	15.56	145.88	7,269.2	-1,709.8	1,252.4	2,119.4	1.74	-1.74	0.20
7,677.0	17.45	142.80	7,355.5	-1,730.5	1,267.3	2,144.9	2.31	2.10	-3.42
7,768.0	16.79	142.62	7,442.5	-1,751.8	1,283.5	2,171.7	0.73	-0.73	-0.20
7,858.0	16.96	140.25	7,528.6	-1,772.3	1,299.8	2,197.8	0.79	0.19	-2.63
7,949.0	16.57	141.92	7,615.7	-1,792.7	1,316.3	2,224.0	0.68	-0.43	1.84
8,039.0	14.72	141.48	7,702.4	-1,811.7	1,331.3	2,248.3	2.06	-2.06	-0.49
8,130.0	13.45	142.18	7,790.7	-1,829.1	1,345.0	2,270.4	1.41	-1.40	0.77
8,220.0	11.16	145.44	7,878.6	-1,844.6	1,356.4	2,289.6	2.66	-2.54	3.62
8,311.0	9.23	143.06	7,968.1	-1,857.7	1,365.8	2,305.7	2.17	-2.12	-2.62
8,401.0	9.40	141.04	8,057.0	-1,869.2	1,374.7	2,320.2	0.41	0.19	-2.24
8,492.0	8.39	144.38	8,146.9	-1,880.3	1,383.3	2,334.3	1.25	-1.11	3.67
8,582.0	7.25	145.00	8,236.0	-1,890.3	1,390.3	2,346.5	1.27	-1.27	0.69
8,672.0	6.24	151.56	8,325.4	-1,899.3	1,395.9	2,357.1	1.41	-1.12	7.29

Company:	Terra Energy Partners, LLP	**Local Co-ordinate Reference:**	Well WMC 332-20 - Slot WMC 332-20
Project:	Garfield County, CO (Nad 83)	**TVD Reference:**	KB=30' @ 8898.0ft
Site:	WMC 24-17 Pad	**MD Reference:**	KB=30' @ 8898.0ft
Well:	WMC 332-20	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Svys	**Database:**	NN

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,763.0	6.33	143.24	8,415.9	-1,907.6	1,401.3	2,367.0	1.00	0.10	-9.14
8,853.0	5.84	138.31	8,505.3	-1,915.0	1,407.3	2,376.5	0.80	-0.54	-5.48
8,944.0	4.30	143.85	8,596.0	-1,921.2	1,412.4	2,384.5	1.77	-1.69	6.09
9,034.0	3.73	150.97	8,685.8	-1,926.5	1,415.8	2,390.8	0.84	-0.63	7.91
9,125.0	3.55	153.78	8,776.6	-1,931.6	1,418.5	2,396.5	0.28	-0.20	3.09
9,215.0	2.15	145.96	8,866.5	-1,935.5	1,420.7	2,400.9	1.61	-1.56	-8.69
9,305.0	2.28	138.40	8,956.4	-1,938.3	1,422.8	2,404.4	0.35	0.14	-8.40
9,396.0	1.45	150.27	9,047.4	-1,940.6	1,424.6	2,407.4	1.00	-0.91	13.04
9,486.0	0.74	169.69	9,137.3	-1,942.2	1,425.2	2,409.0	0.88	-0.79	21.58
9,577.0	0.87	169.95	9,228.3	-1,943.5	1,425.5	2,410.2	0.14	0.14	0.29
9,667.0	0.39	93.58	9,318.3	-1,944.1	1,425.9	2,411.0	0.96	-0.53	-84.86
9,758.0	0.26	322.53	9,409.3	-1,944.0	1,426.1	2,411.0	0.65	-0.14	-144.01
9,848.0	0.96	266.55	9,499.3	-1,943.9	1,425.2	2,410.4	0.94	0.78	-62.20
9,939.0	1.18	255.91	9,590.3	-1,944.2	1,423.5	2,409.6	0.32	0.24	-11.69
10,029.0	0.96	273.14	9,680.3	-1,944.3	1,421.9	2,408.8	0.43	-0.24	19.14
10,120.0	1.40	293.09	9,771.3	-1,943.9	1,420.1	2,407.3	0.65	0.48	21.92
10,210.0	1.09	308.21	9,861.2	-1,942.9	1,418.4	2,405.6	0.50	-0.34	16.80
10,301.0	1.36	316.91	9,952.2	-1,941.6	1,417.0	2,403.7	0.36	0.30	9.56
10,391.0	1.49	329.65	10,042.2	-1,939.8	1,415.7	2,401.4	0.38	0.14	14.16
10,481.0	1.40	321.48	10,132.2	-1,937.9	1,414.4	2,399.2	0.25	-0.10	-9.08
10,572.0	2.02	314.71	10,223.1	-1,935.9	1,412.6	2,396.5	0.72	0.68	-7.44
10,662.0	2.37	283.34	10,313.1	-1,934.4	1,409.6	2,393.5	1.37	0.39	-34.86
10,753.0	2.02	288.08	10,404.0	-1,933.4	1,406.3	2,390.8	0.43	-0.38	5.21
10,843.0	1.85	273.67	10,494.0	-1,932.9	1,403.3	2,388.6	0.57	-0.19	-16.01
10,934.0	2.42	252.58	10,584.9	-1,933.3	1,400.0	2,387.0	1.06	0.63	-23.18
11,024.0	2.37	223.75	10,674.8	-1,935.3	1,396.9	2,386.7	1.33	-0.06	-32.03
11,115.0	3.25	226.56	10,765.7	-1,938.4	1,393.7	2,387.4	0.98	0.97	3.09
11,205.0	3.34	218.65	10,855.6	-1,942.2	1,390.2	2,388.4	0.51	0.10	-8.79
11,264.0	3.47	218.83	10,914.5	-1,944.9	1,388.1	2,389.3	0.22	0.22	0.31
11,326.0	3.47	218.83	10,976.3	-1,947.8	1,385.7	2,390.3	0.00	0.00	0.00
PTB @ 11326 MD/ 10976.3TVD									

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
202.0	201.9	0.0	5.8	First Survey @ 202 MD/ 201.9 TVD
11,326.0	10,976.3	-1,947.8	1,385.7	PTB @ 11326 MD/ 10976.3TVD

Checked By: _____ Approved By: _____ Date: _____