

Sec 20, T6S, R96W
GM 343-19
Q201071 & RM-200853
Field Plan 4

PROJECT DETAILS: Garfield 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



Company Name: Terra Energy Partners, LLP
GM 343-19
Garfield County, CO
Rig: KB=24" @ 5771.50usft (H&P #318)
Created by: Chase Chambers
Date: 14:08, January 21 2021

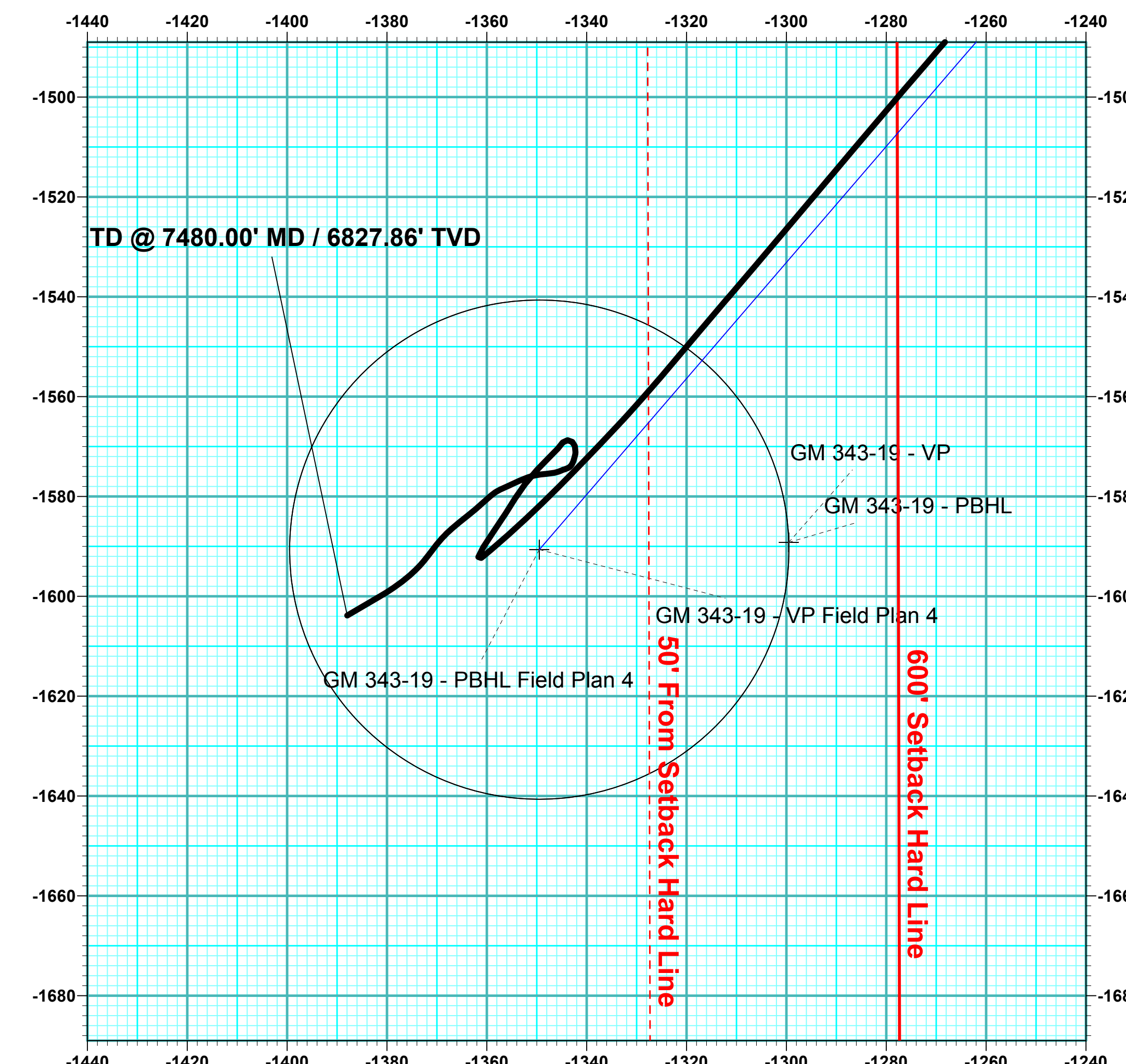
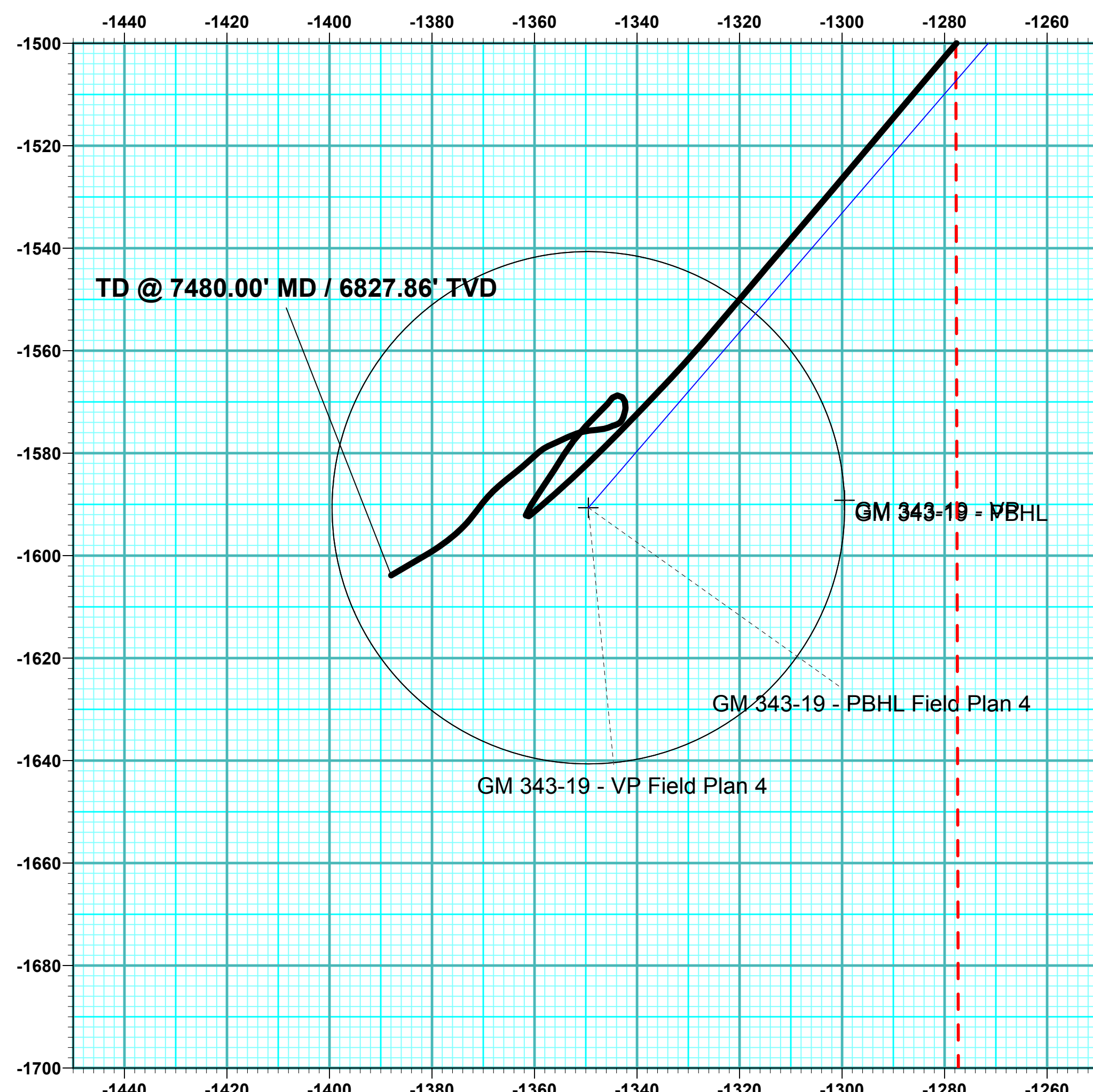
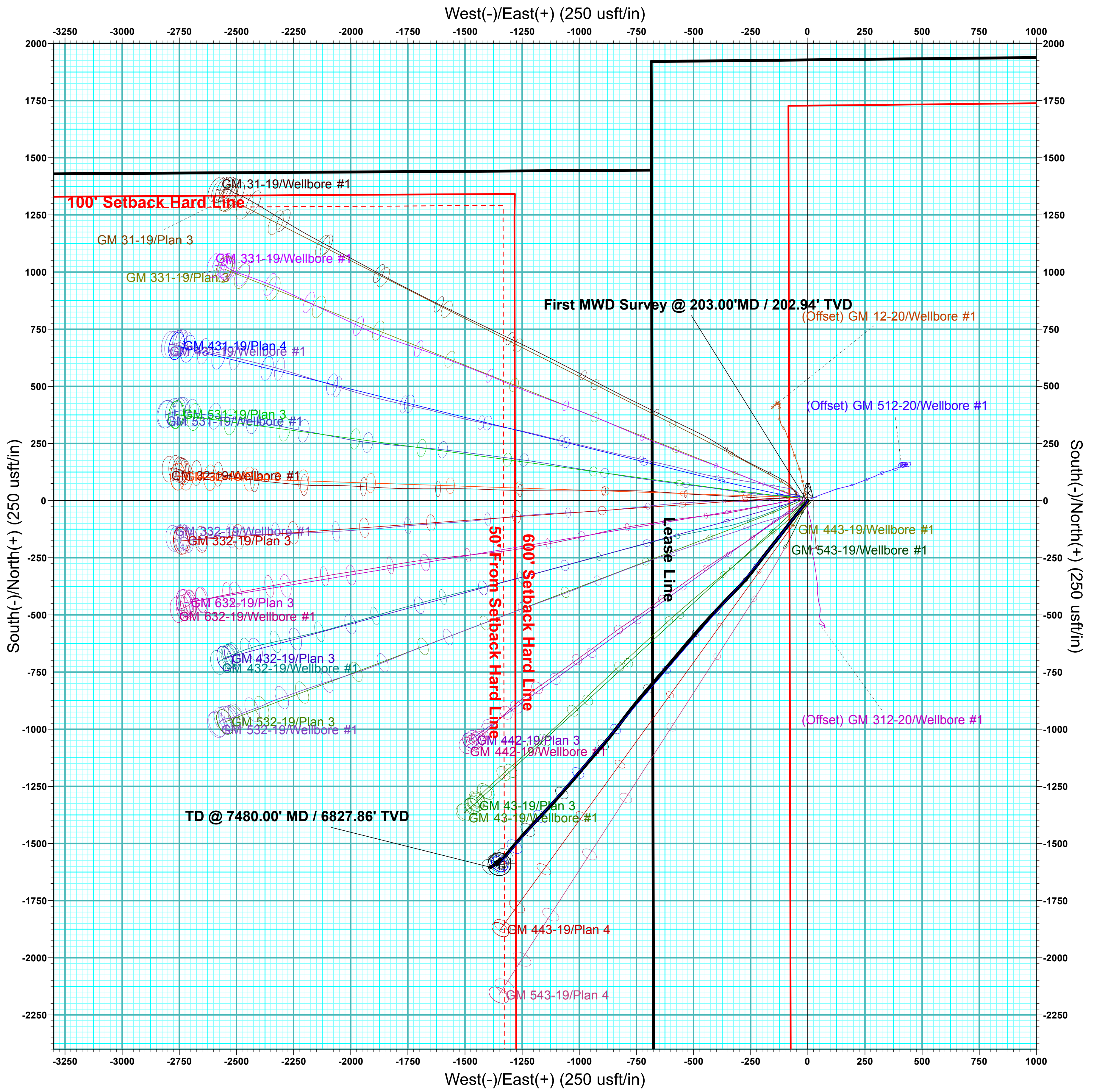
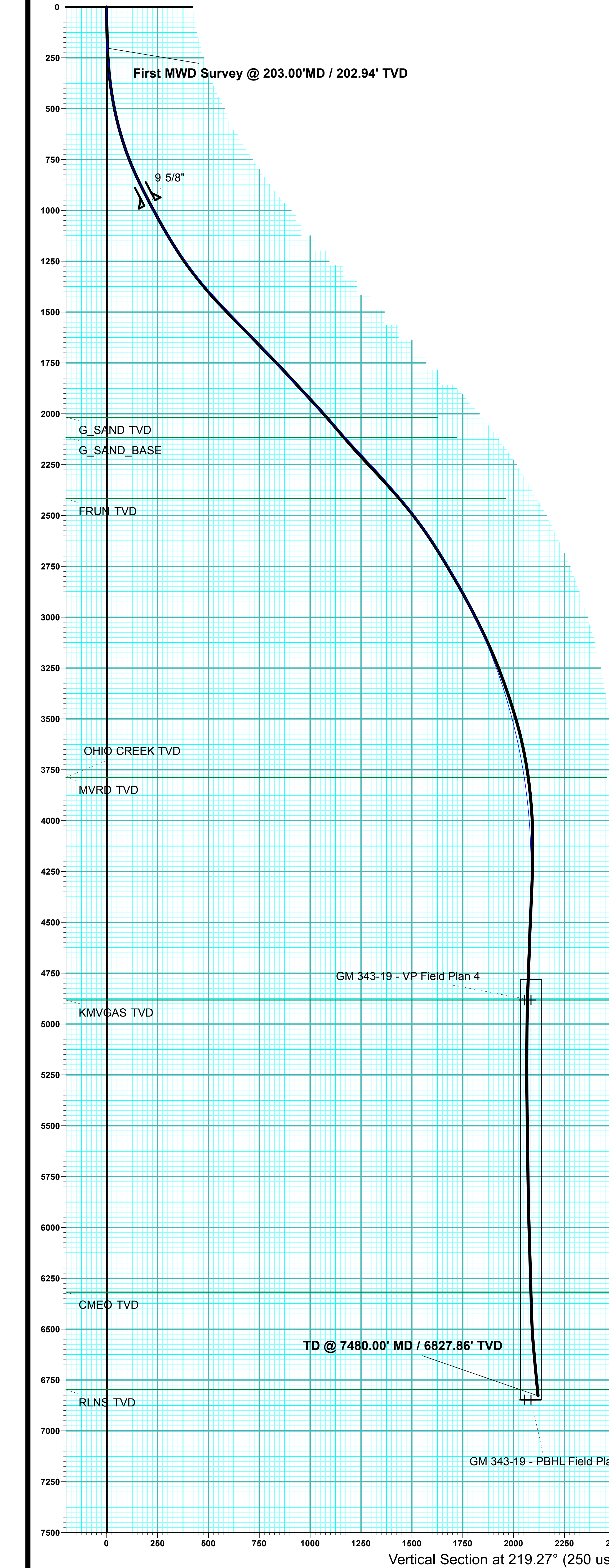
WELL DETAILS: GM 343-19

Ground Elevation: 5747.50

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1622105.97	2255416.42	39.511764	-108.139454

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
GM 343-19 - VP	4882.00	-1589.19	-1299.50	1620555.20	2254071.30	39.507401	-108.144060
GM 343-19 - VP Field Plan 4	4882.00	-1590.64	-1349.48	1620555.20	2254021.30	39.507397	-108.144237
GM 343-19 - PBHL	6848.00	-1589.19	-1299.50	1620555.20	2254071.30	39.507401	-108.144060
GM 343-19 - PBHL Field Plan 4	6848.00	-1590.64	-1349.48	1620555.20	2254021.30	39.507397	-108.144237



ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSecDeparture	Annotation
203.00	2.33	208.49	202.94	-3.63	-1.97	4.05	4.13
7480.00	5.76	239.63	6827.86	-1603.85	-1387.95	2120.20	2189.60

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2017.00	2371.04	G_SAND TVD
2117.00	2507.70	G_SAND BASE
2417.00	2911.69	FRUN TVD
3787.00	4428.02	MVRD TVD
3787.00	4428.02	OHIO CREEK TVD
4882.00	5524.72	KMGAS TVD
6318.00	6960.72	CMEQ TVD
6798.00	7440.72	RLNS TVD

DESIGN ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSecDeparture	Annotation
967.00	27.60	218.25	935.00	-154.04	-122.01	196.48	0.00
1047.00	27.60	218.25	1005.89	-183.15	-144.96	233.54	37.06
1561.37	42.97	220.72	1424.54	-410.96	-334.21	529.71	333.26
2717.33	42.97	220.72	2270.39	-1008.14	-848.16	1317.34	1121.15
4428.02	8.75	220.72	3787.00	-1565.35	-1327.71	2052.26	1855.95
4865.72	0.00	0.00	4223.00	-1590.64	-1349.48	2085.62	1889.67
7490.72	0.00	0.00	6848.00	-1590.64	-1349.48	2085.62	1889.67

Azimuths to True North
Magnetic North: 9.25°

Magnetic Field
Strength: 51305.1nT
Dip Angle: 65.63°
Date: 1/19/2021
Model: HDGM2021