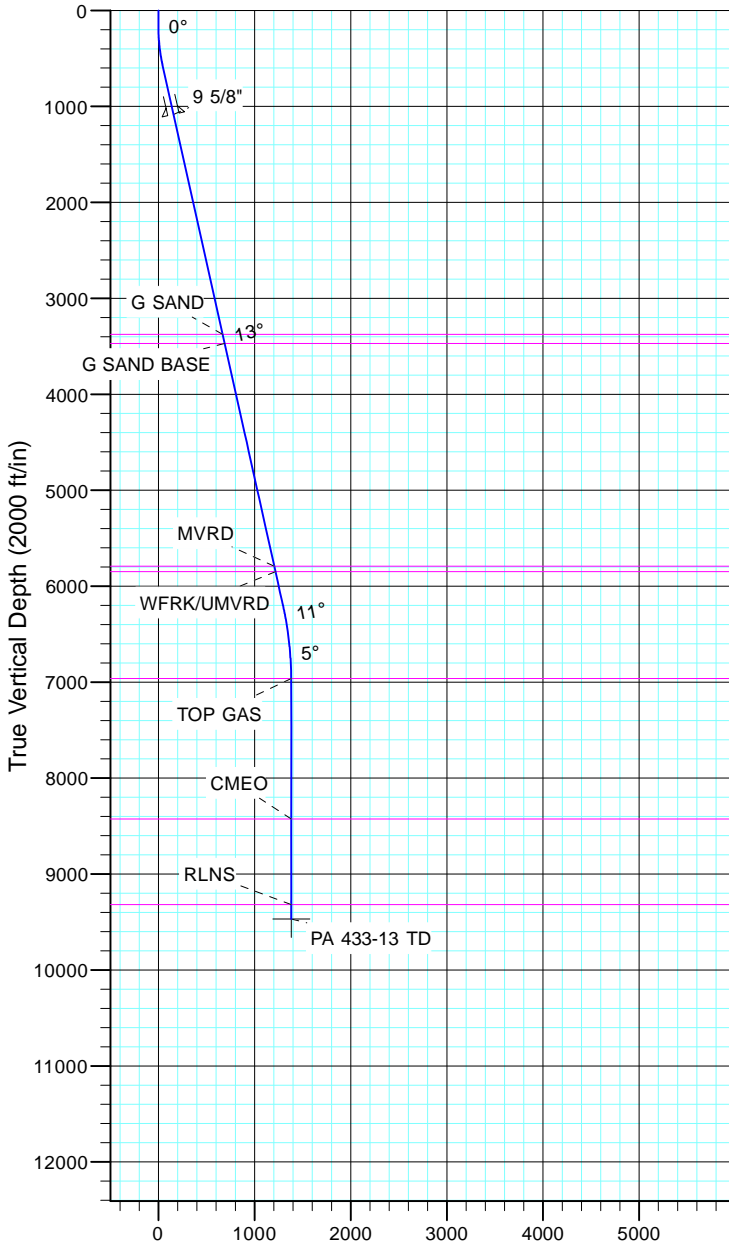


TEP Rocky Mountain LLC
Project: Garfield County, CO NAD83
Site: PA 44-13
Well: PA 433-13
Wellbore: OH
Design: Plan #1



Azimuths to True North
Magnetic North: 11.43°

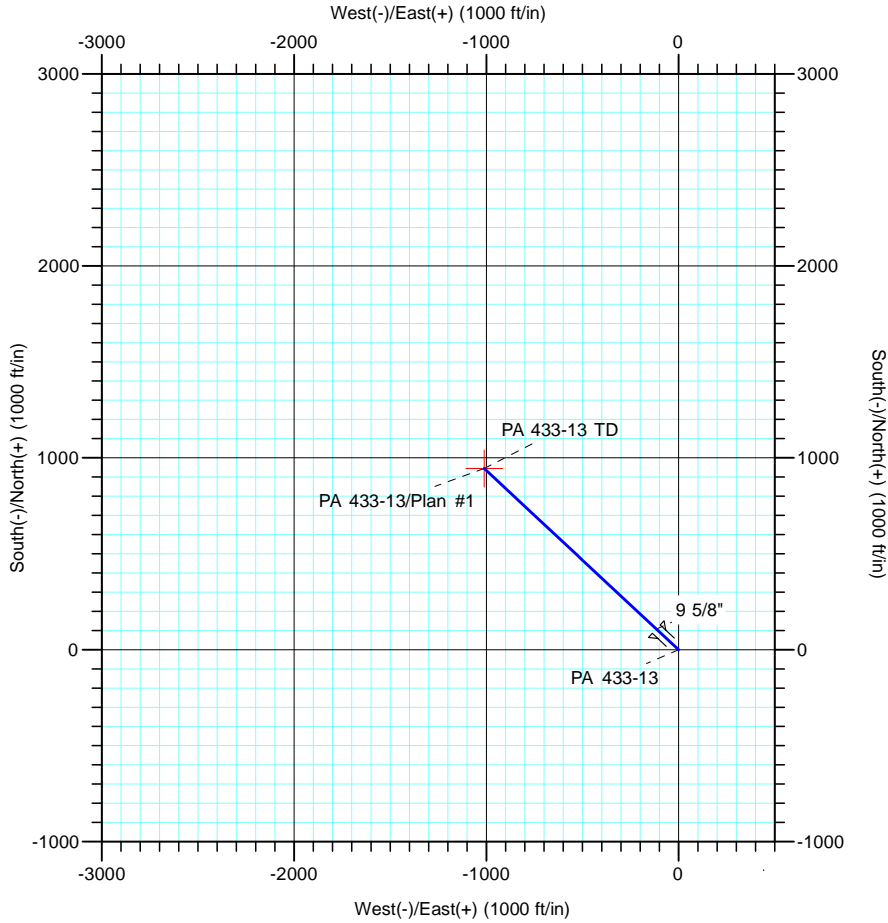
Magnetic Field
Strength: 53064.3nT
Dip Angle: 66.02°
Date: 12/31/2004
Model: IGRF2000



Vertical Section at 313.07° (2000 ft/in)

CASING DETAILS			
TVD	MD	Name	Size
1084.3	1100.0	9 5/8"	9.625

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
3377.0	3448.8	G SAND
3470.0	3544.0	G SAND BASE
5792.0	5922.9	MVRD
5848.0	5980.2	WFRK/UMVRD
6963.0	7110.0	TOP GAS
8427.0	8574.0	CMEO
9318.0	9465.0	RLNS



DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PA 433-13 TD	9468.0	944.3	-1010.1	1624760.50	2310245.30	39° 31' 23.706 N	107° 56' 43.654 W

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	165.0	0.00	0.00	165.0	0.0	0.0	0.00	0.00	0.0	
3	583.2	12.55	313.07	579.9	31.1	-33.3	3.00	313.07	45.6	
4	6318.5	12.55	313.07	6178.2	882.0	-943.5	0.00	0.00	1291.6	
5	7155.0	0.00	0.00	7008.0	944.3	-1010.1	1.50	180.00	1382.8	
6	9615.0	0.00	0.00	9468.0	944.3	-1010.1	0.00	0.00	1382.8	PA 433-13 TD