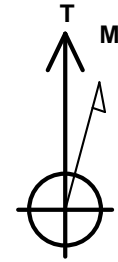


Well Name: Penrose 02-08H

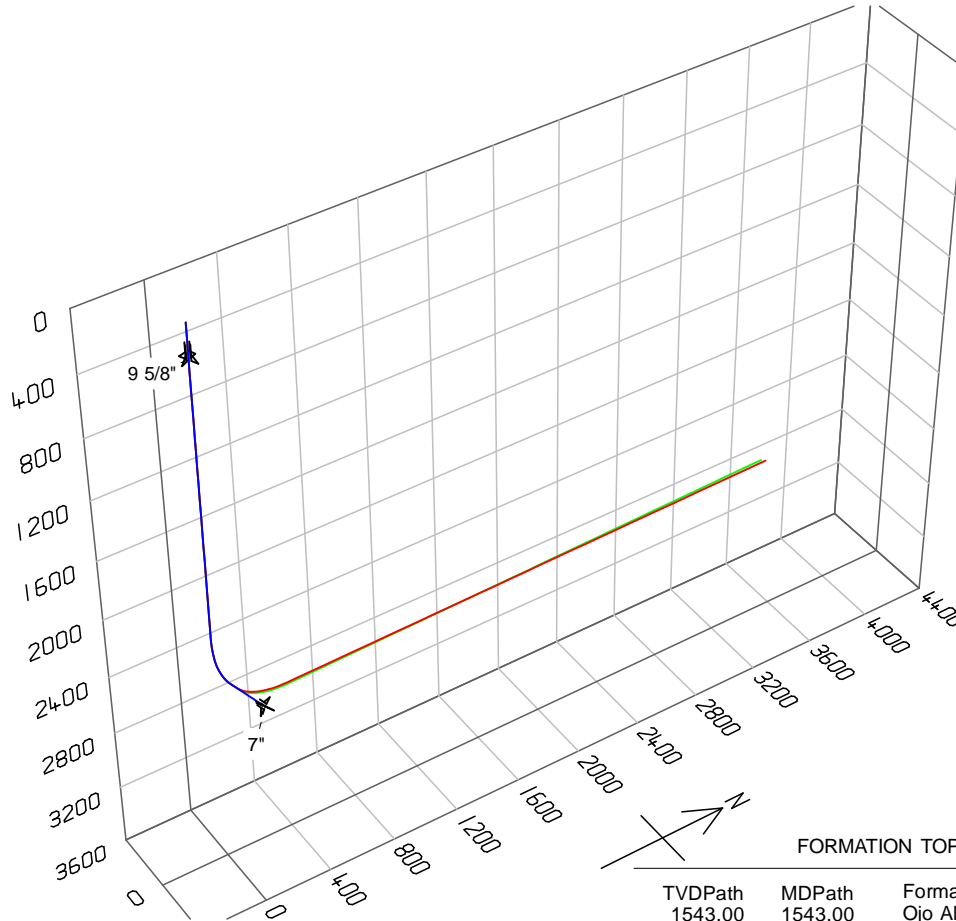
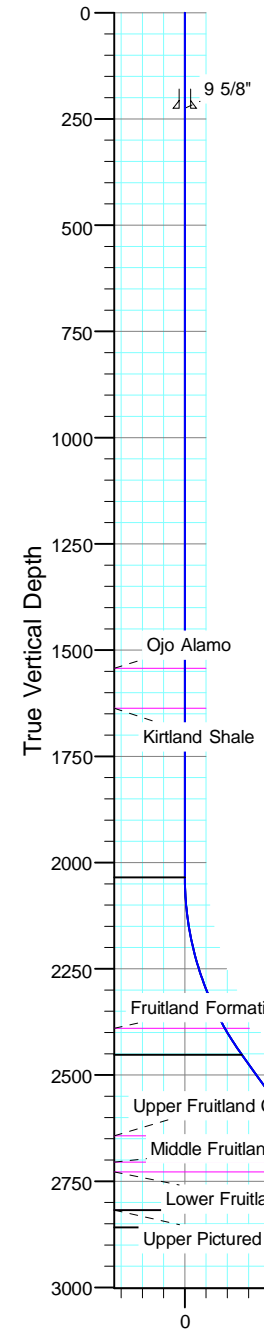
Western Division
Drilling Department

Calculation Method: Minimum Curvature
Geodetic Datum: North American Datum 1983
Lat: 37° 1' 36.840000 N
Long: 107° 31' 47.424000 W



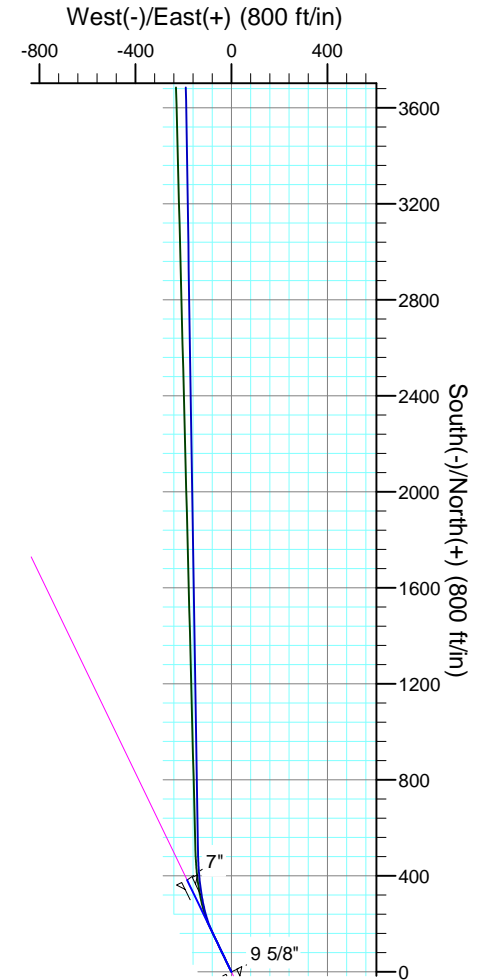
Azimuths to True North
Magnetic North: 9.99°

Magnetic Field
Strength: 51105.0snT
Dip Angle: 63.80°
Date: 12/31/2009
Model: IGRF200510



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1543.00	1543.00	Ojo Alamo
1637.00	1637.00	Kirtland Shale
2390.00	2406.42	Fruitland Formation
2643.00	2715.09	Upper Fruitland Coal
2705.00	2791.37	Middle Fruitland Coal
2728.00	2819.67	Lower Fruitland Coal
2818.00	2930.40	Upper Pictured Cliffs SS



4 1/2" TD at 6155.29
4 1/2" TD at 6170.54

Vertical Section at 334.23°