

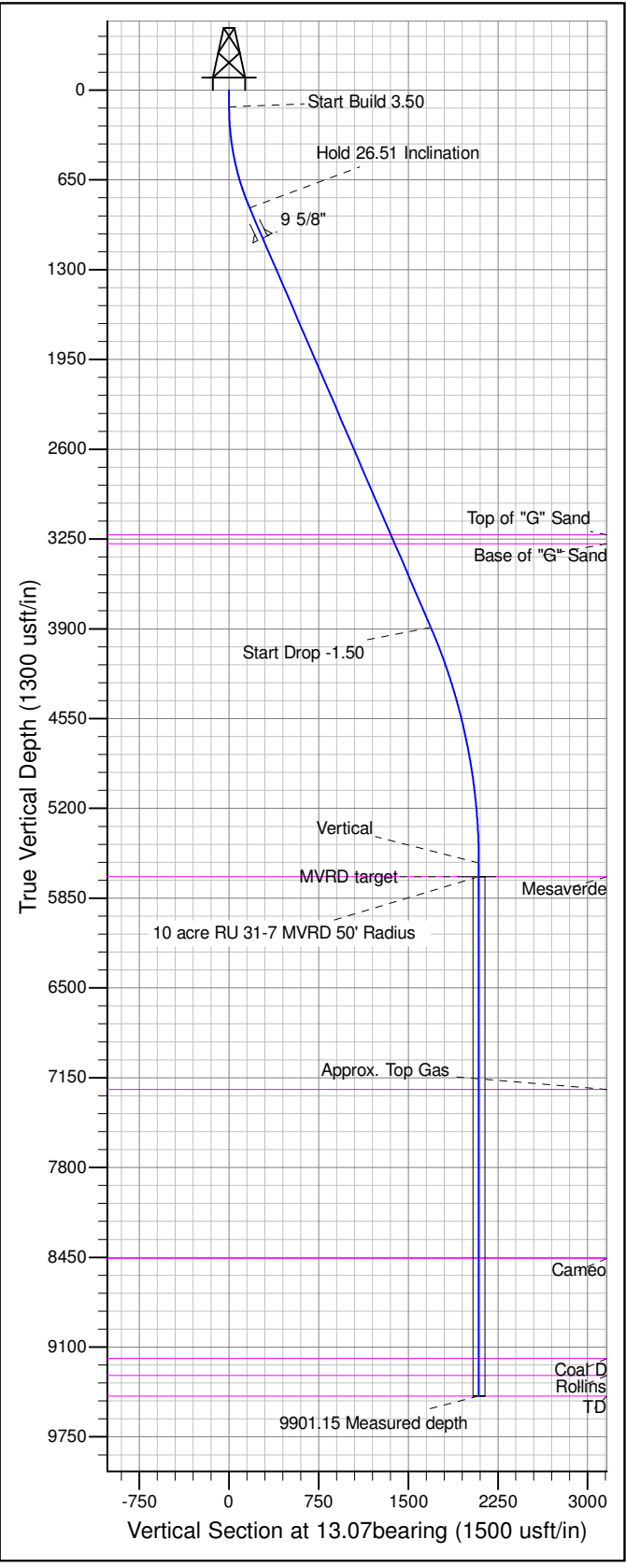


Well Name: RU 31-7
Surface Location: RU 22-7 Pad

North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 7339.00

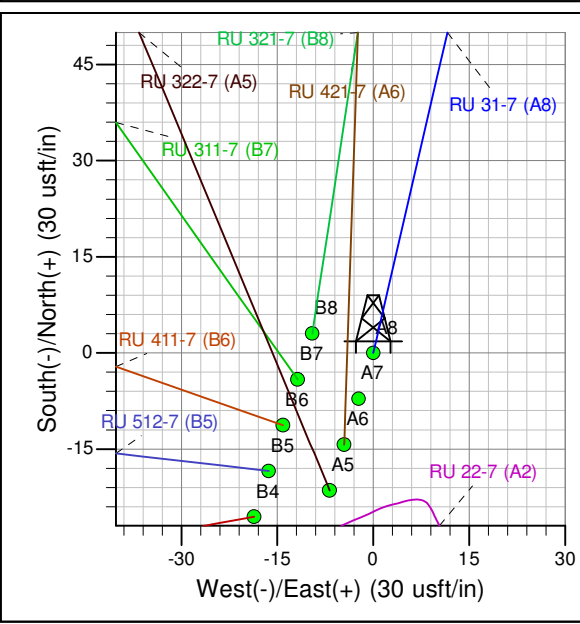
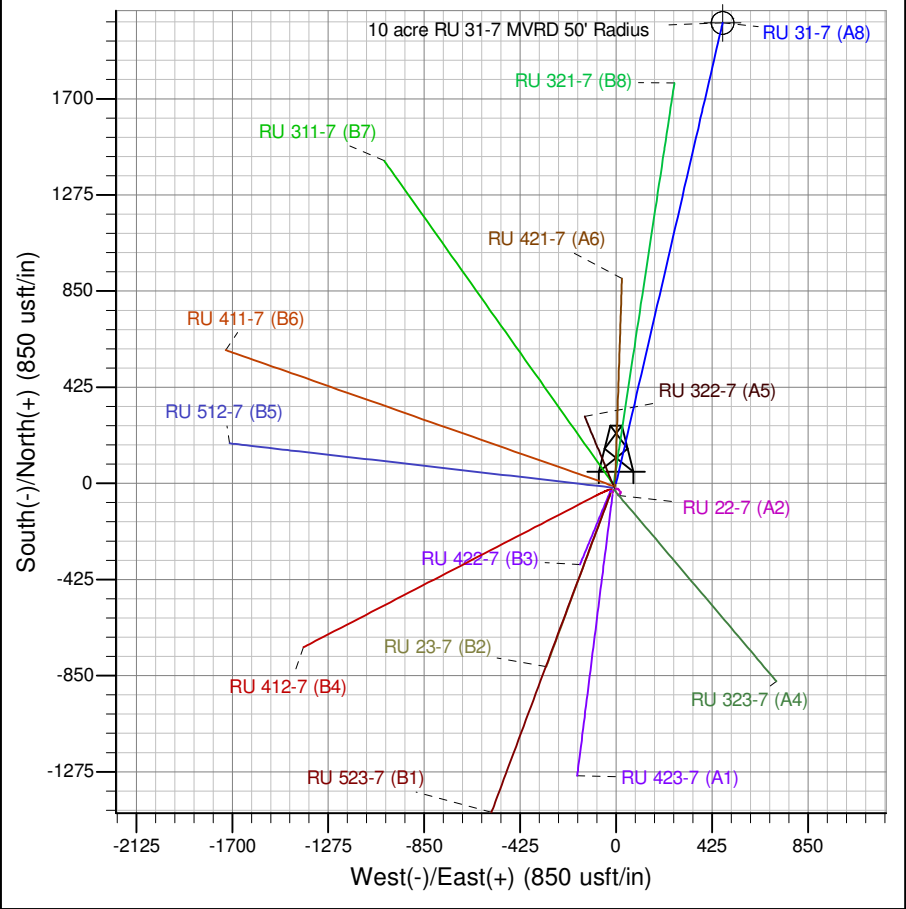
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1599716.15	2345100.67	39.457036	-107.819656	A8

KB @ 7363.00usft (HP 318)



ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
121.00	121.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 3.50
851.71	878.45	26.51	13.05	167.69	38.87	172.13	172.13	Hold 26.51 Inclination
3890.01	4273.76	26.51	13.05	1644.08	381.14	1687.68	1687.68	Start Drop -1.50
5595.00	6041.15	0.00	0.00	2035.35	471.84	2089.33	2089.33	Vertical
5695.00	6141.15	0.00	0.00	2035.35	471.84	2089.33	2089.33	MVRD target
9455.00	9901.15	0.00	0.00	2035.35	471.84	2089.33	2089.33	9901.15 Measured depth



Azimuths to True North
Magnetic North: 9.75°

Magnetic Field
Strength: 51661.1snT
Dip Angle: 65.61°
Date: 3/9/2016
Model: IGRF2015

Project: RU 07-07S-093W
 Site: RU 22-7 Pad
 Well: RU 31-7
 Design #2 28Mar16 sam

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
10 acre RU 31-7 MVRD 50' Radius	5695.00	2035.35	471.84	1601738.70	2345624.30	39.462624	-107.817985	Circle (Radius: 50.00)

- plan hits target center