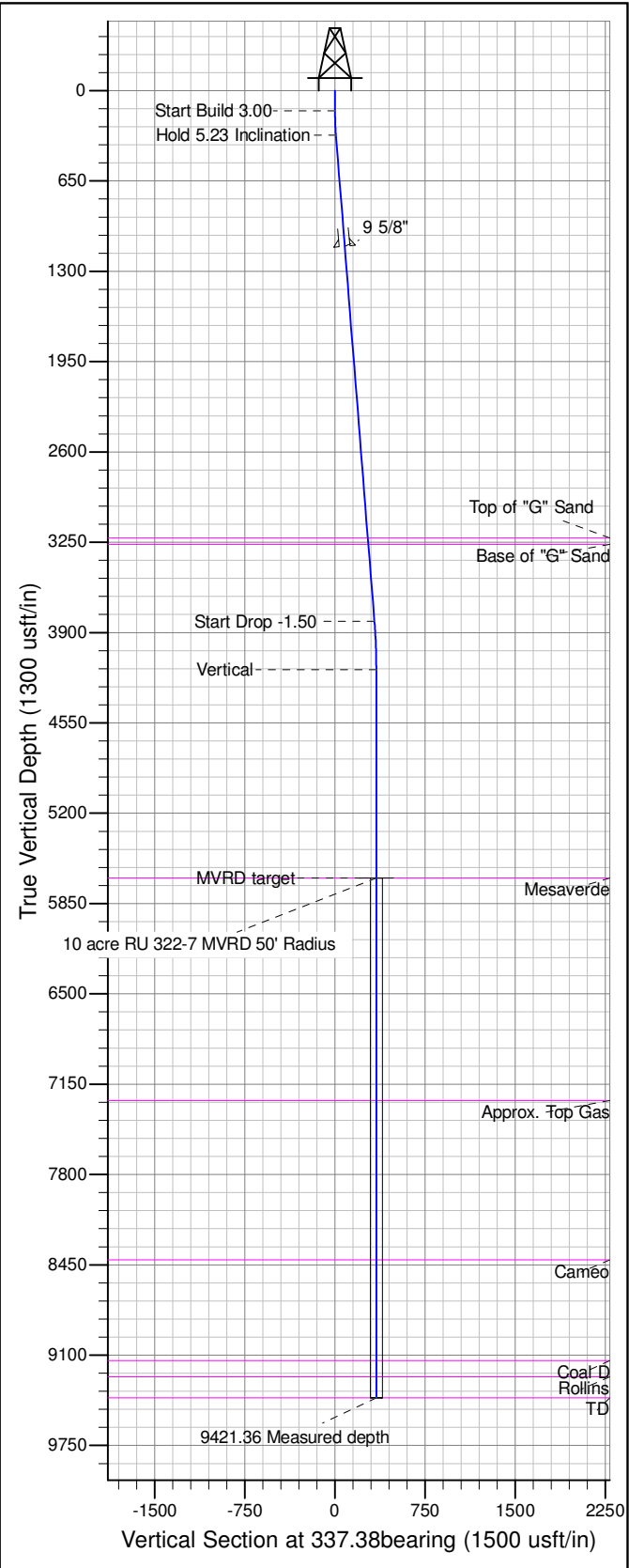




Well Name: RU 322-7
 Surface Location: RU 22-7 Pad
 North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
 Ground Elevation: 7339.00

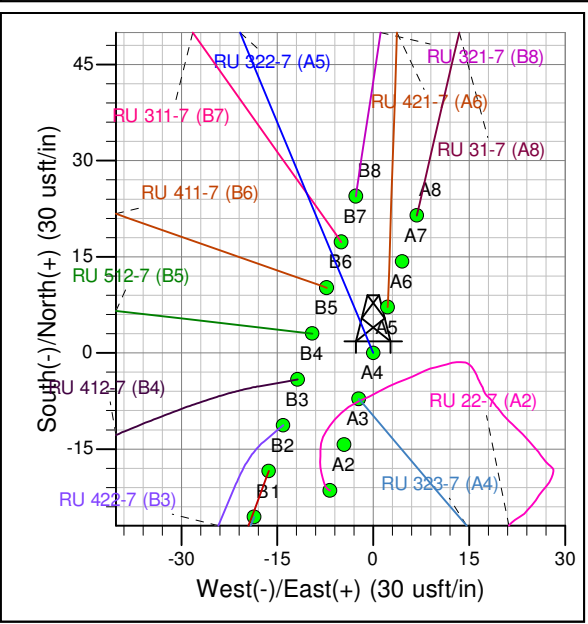
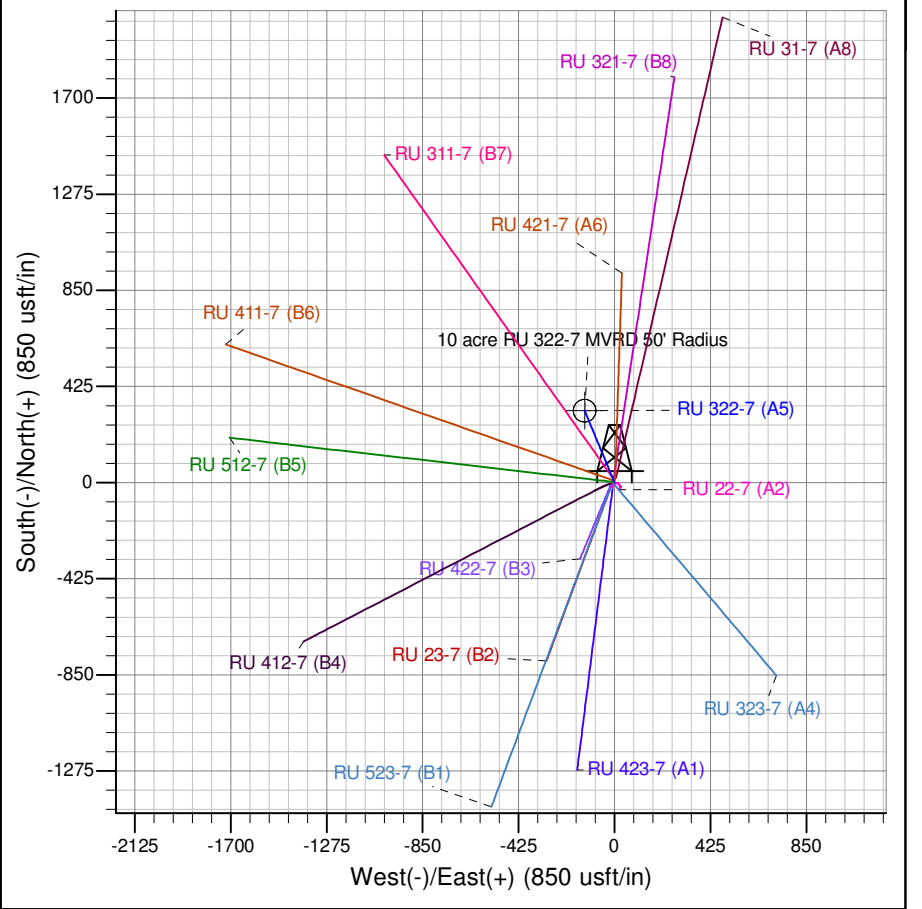
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1599694.89	2345093.31	39.456977	-107.819680	A5

KB @ 7363.00usft (HP 318)



ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
145.00	145.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 3.00
319.10	319.34	5.23	337.38	7.34	-3.06	7.95	7.95	Hold 5.23 Inclination
3818.80	3833.67	5.23	337.38	303.07	-126.26	328.31	328.31	Start Drop -1.50
4167.00	4182.36	0.00	0.00	317.75	-132.37	344.22	344.22	Vertical
5667.00	5682.36	0.00	0.00	317.75	-132.37	344.22	344.22	MVRD target
9406.00	9421.36	0.00	0.00	317.75	-132.37	344.22	344.22	9421.36 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 322-7
 Design #2 28Mar16 sam

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
10 acre RU 322-7 MVRD 50' Radius	5667.00	317.75	-132.37	1600015.90	2344969.10	39.457849	-107.820149	Circle (Radius: 50.00)

- plan hits target center