

Project: Wells Ranch
 Site: A Section 21
 Well: Harper A21-626
 Wellbore: Original Drilling
 Design: APD - Rev 1

Northern Region - DJ Basin

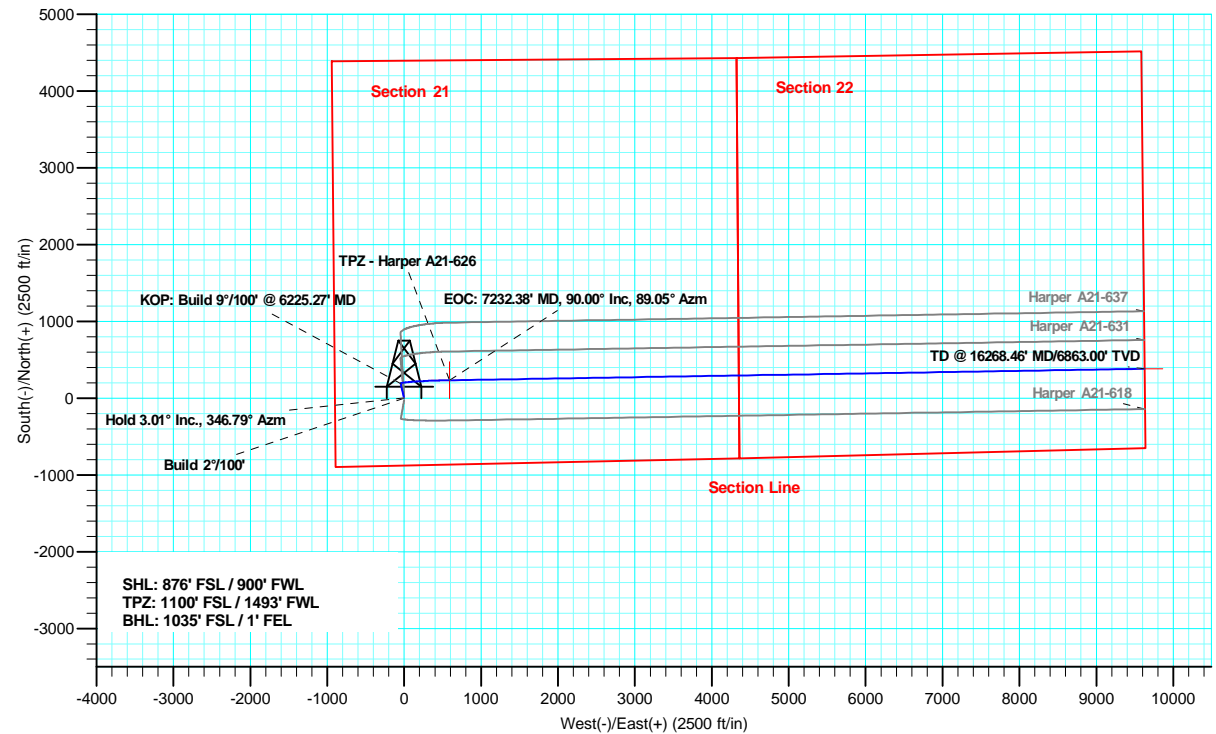
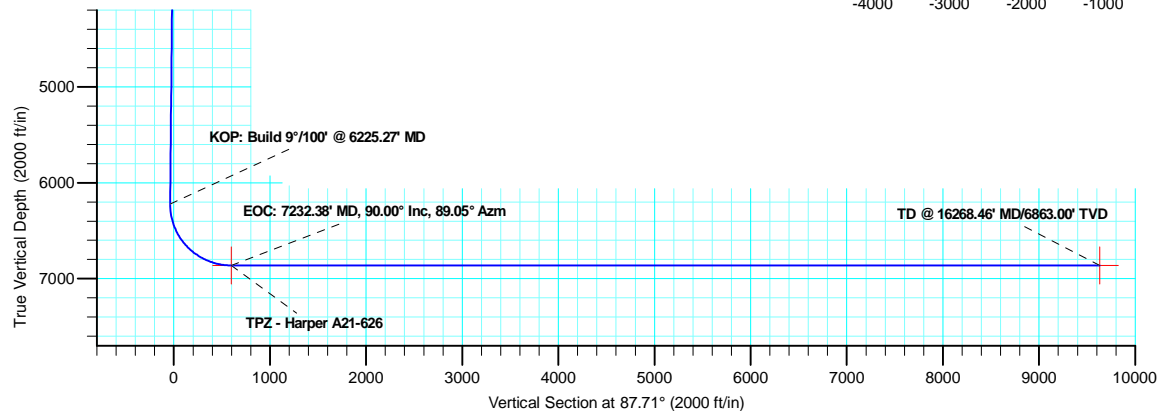
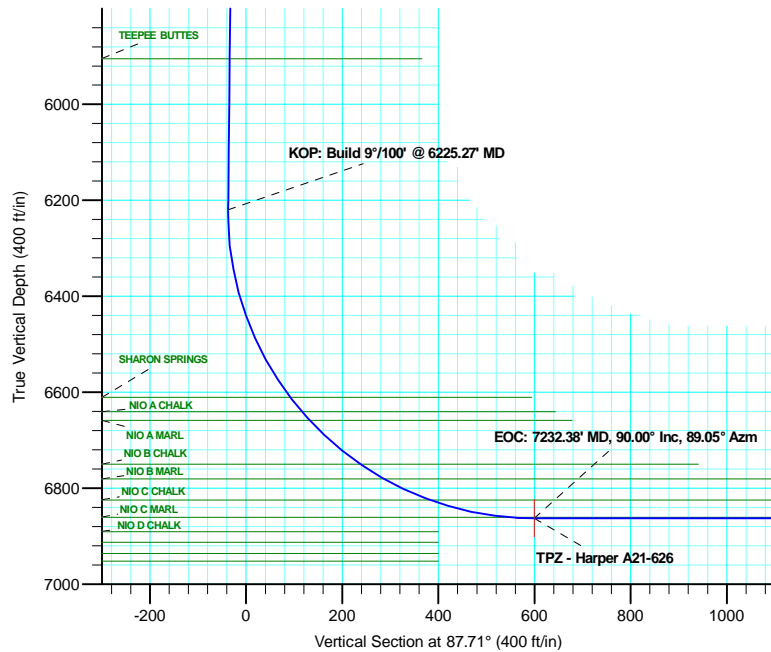
Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Colorado Northern Zone
 System Datum: Mean Sea Level

SECTION DETAILS

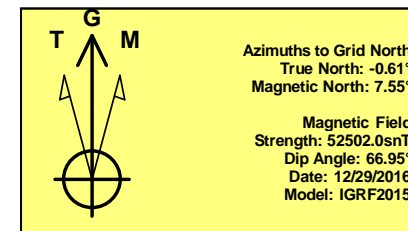
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	0.00	
3	2550.60	3.01	346.79	2550.53	3.85	-0.90	2.00	346.79	-0.75	
4	6225.27	3.01	346.79	6220.12	191.82	-45.03	0.00	0.00	-37.34	
5	7232.38	90.00	89.05	6863.00	235.38	590.91	9.00	102.25	599.84	TPZ - Harper A21-626
6	16268.46	90.00	89.05	6863.00	384.54	9625.77	0.00	0.00	9633.45	BHL - Harper A21-626

WELL DETAILS: Harper A21-626

+N/-S	+E/-W	Northing	Ground Level: Easting	4727.00 Latitude	Longitude	Slot
0.00	0.00	1414224.19	3261146.86	40.4666531	-104.5614038	



OK to submit with 2A as per Noble Drilling 1/23/2018



Plan: APD - Rev 1 (Harper A21-626/Original Drilling)

Created By: Shelly C. Peterkin Date: 10:49, January 23 2018