

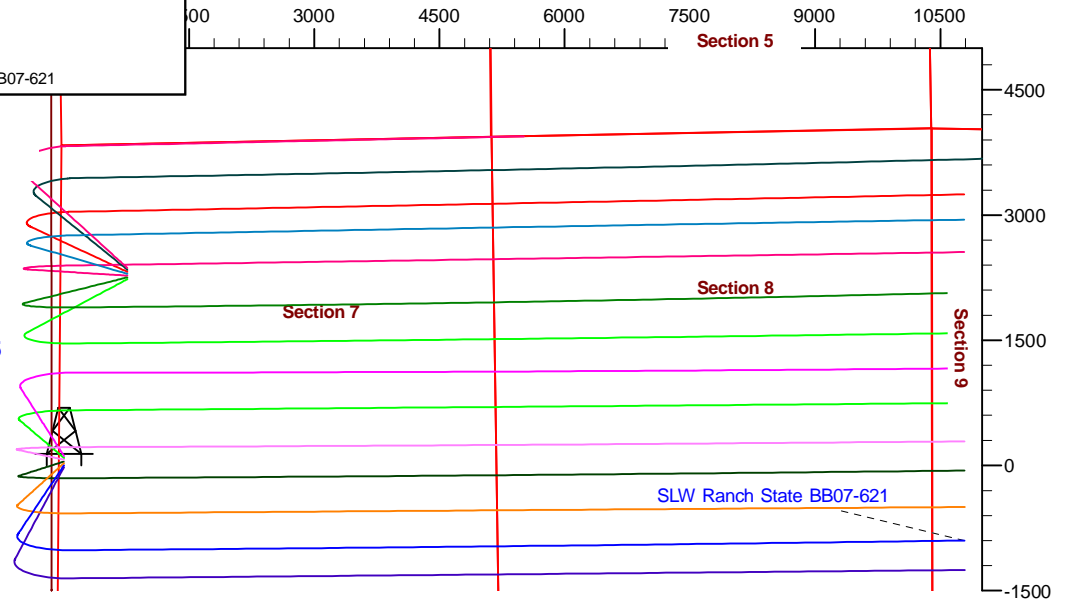
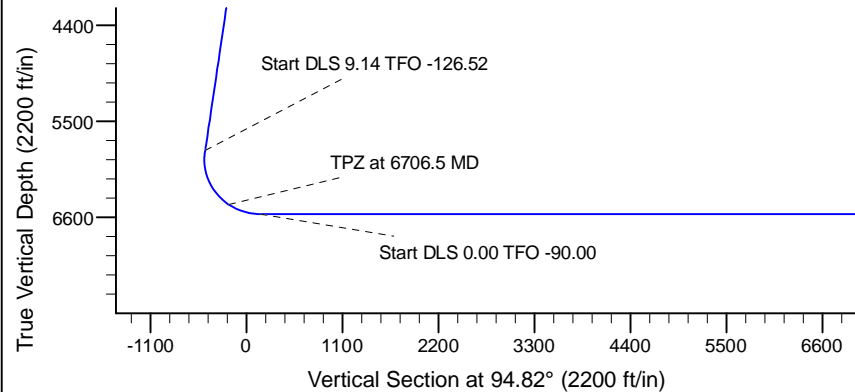
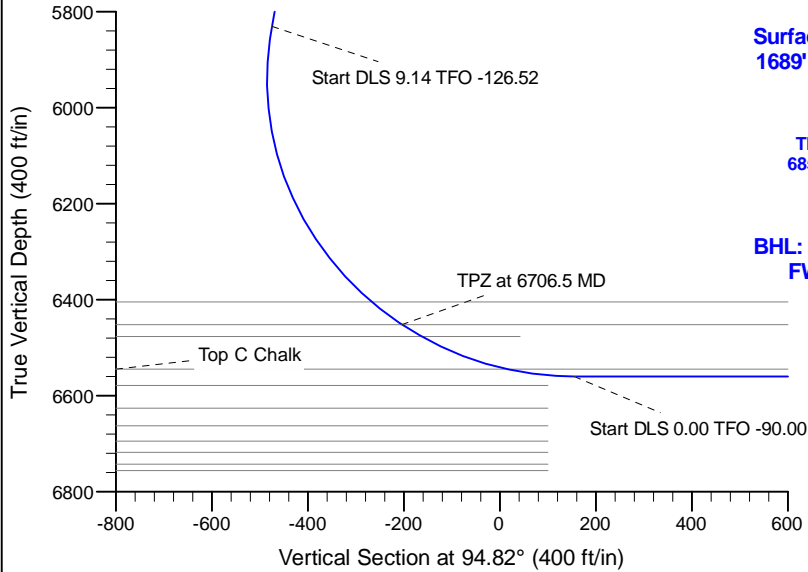
Project: Wells Ranch
 Site: BB Section 07
 Well: SLW Ranch State BB07-621
 Wellbore: Original Drilling
 Design: Plan 1

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	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2200.0	0.00	0.00	2200.0	0.0	0.0	0.00	0.00	0.0	
3	3050.0	17.00	213.75	3037.6	-104.1	-69.5	2.00	213.75	-60.6	
4	5938.6	17.00	213.75	5800.0	-806.3	-538.8	0.00	0.00	-469.1	
5	5971.1	19.68	217.76	5830.8	-814.6	-544.7	9.14	27.07	-474.4	
6	7087.4	90.00	89.57	6560.0	-1015.0	70.0	9.14	-126.52	155.0	
7	17808.9	90.00	89.18	6560.0	-898.3	10790.8	0.00	-90.00	10828.2	SLW Ranch State BB07-621



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Azimuths to Grid North
 True North: -0.65°
 Magnetic North: 7.43°

Magnetic Field
 Strength: 52451.4snT
 Dip Angle: 66.91°
 Date: 4/4/2017
 Model: IGRF2015

WELL DETAILS: SLW Ranch State BB07-621				
0.00.0	Northing 1394093.01	Easting 3281578.79	4617.0 Latitude 40.4107800	Longitude -104.4888000
Plan: Plan 1 (SLW Ranch State BB07-621/Original Drilling)				
OK to Submit with 2A as per Noble Drilling				
10-31-2017				