

Project: Wells Ranch  
Site: BB Section 11  
Well: Wells Ranch State BB09-617  
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

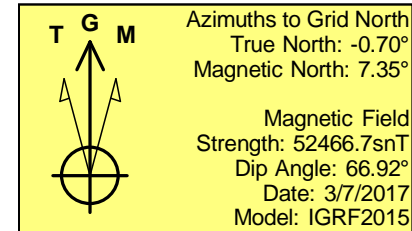
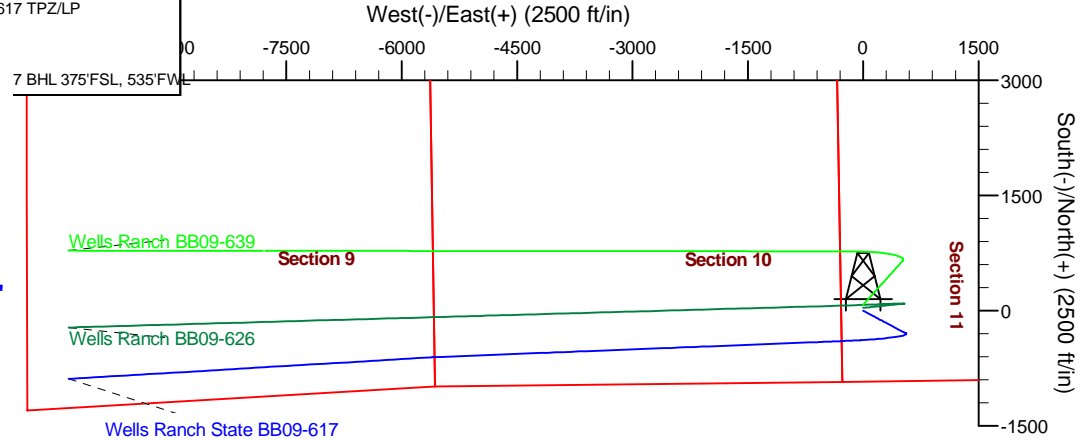
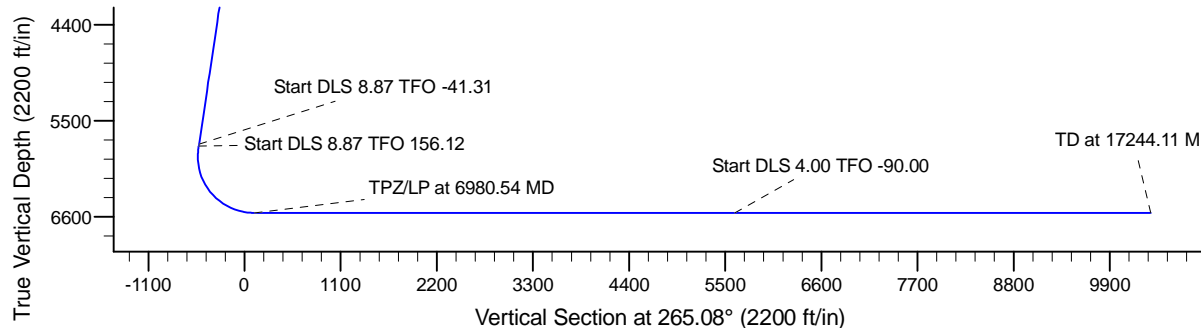
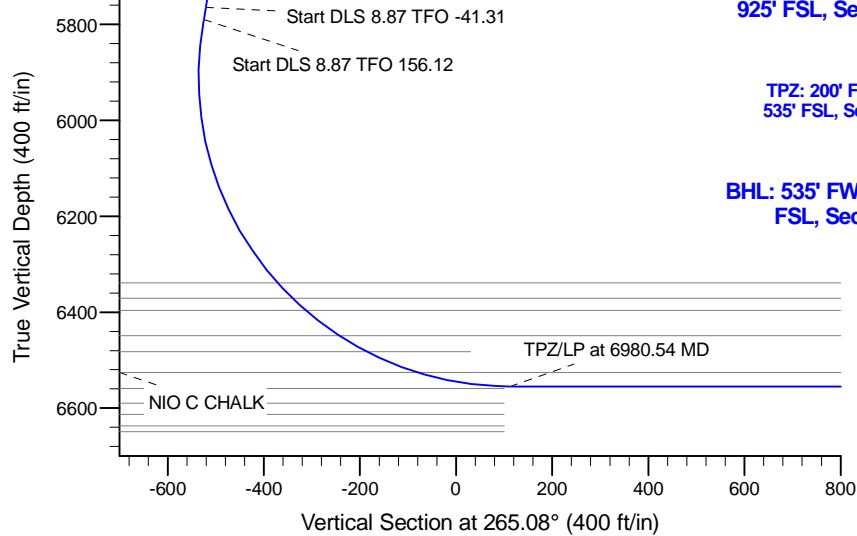
## SECTION DETAILS

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	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	
3	2500.00	10.00	118.00	2497.47	-20.43	38.43	2.00	118.00	-36.53	
4	5817.94	10.00	118.00	5765.00	-290.92	547.14	0.00	0.00	-520.16	
5	5843.66	11.81	110.62	5790.26	-292.90	551.58	8.87	-41.31	-524.41	
6	6980.54	90.00	267.20	6555.00	-387.44	-79.12	8.87	156.12	112.08	Wells Ranch State BB09-617 TPZ/LP
7	7570.54	90.00	267.75	6555.00	-413.45	-668.55	0.09	90.00	701.56	
8	12480.54	90.00	267.75	6555.00	-606.22	-5574.76	0.00	0.00	5606.22	
9	12509.64	90.00	266.59	6555.00	-607.66	-5603.83	4.00	-90.00	5635	
10	17244.11	90.00	266.59	6555.00	-889.60	-10329.90	0.00	0.00	10368	

Surface: 285' FWL,  
925' FSL, Sec.11

TPZ: 200' FWL,  
535' FSL, Sec.11

BHL: 535' FWL, 375'  
FSL, Sec.9



## WELL DETAILS: Wells Ranch State BB09-617

Northing	Easting	Latitude	Longitude
0.00	1393754.55	40.4091599	-104.4124300

Plan: APD - Rev 1 (Wells Ranch State BB09-617/Original Drilling)

Created By: Colby Baxter

Date: 15:54, June 26 2018

**OK to submit with 2A as per Noble Drilling  
6/26/2018**