

Project: Wells Ranch
 Site: AF Section 08
 Well: Wells Ranch State AF09-618
 Wellbore: Original Drilling
 Design: APD - Rev 2

Northern Region - DJ Basin

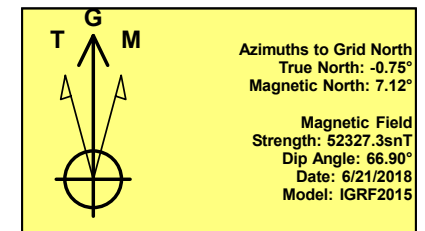
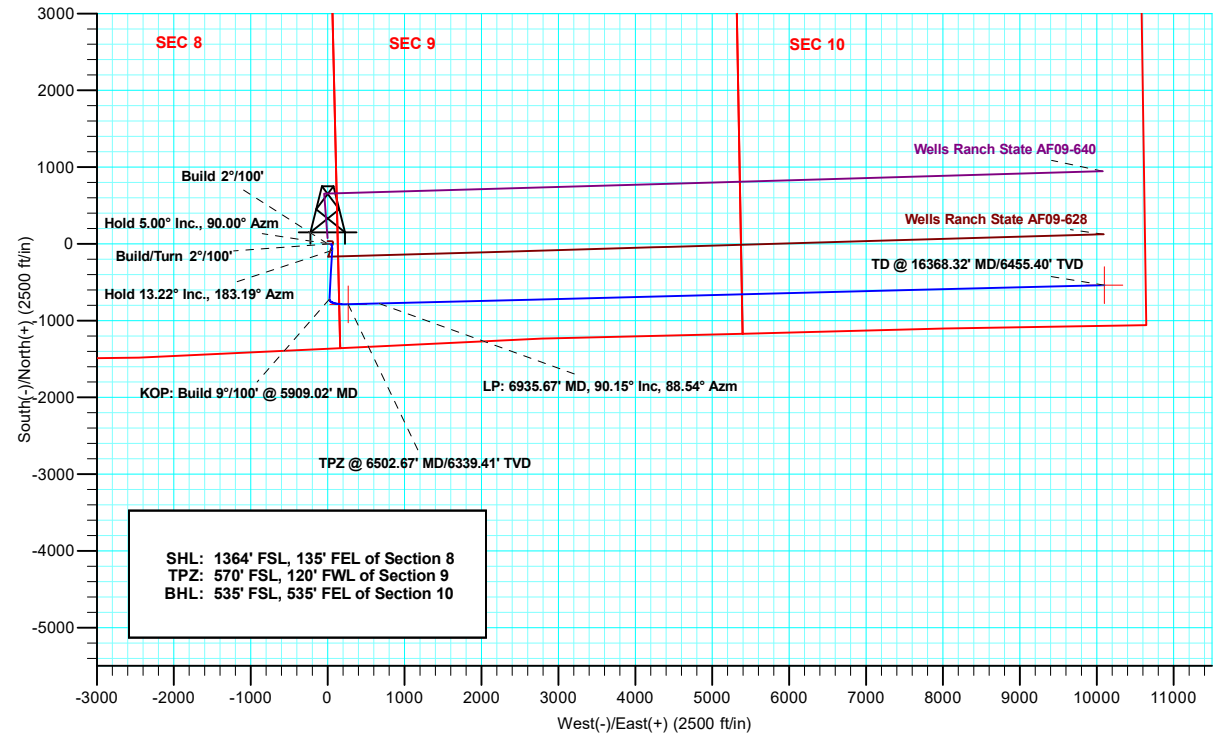
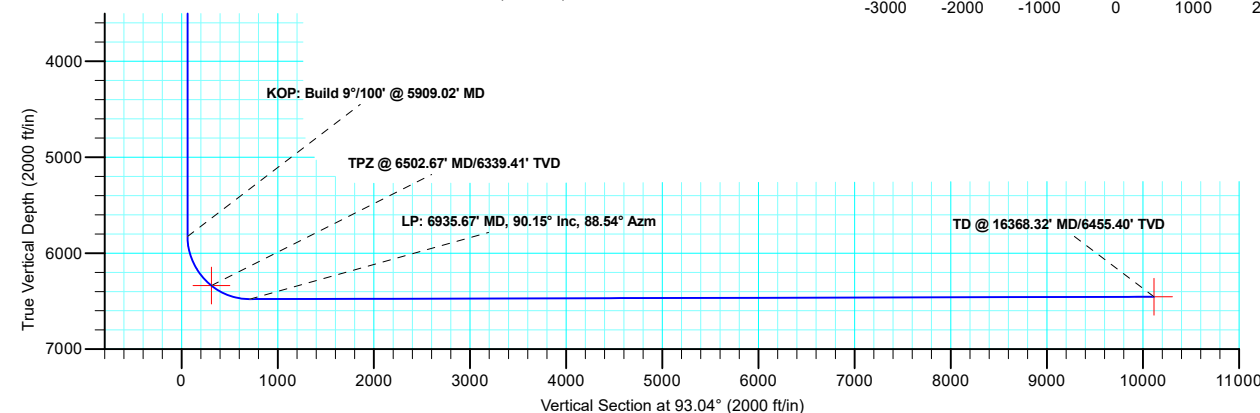
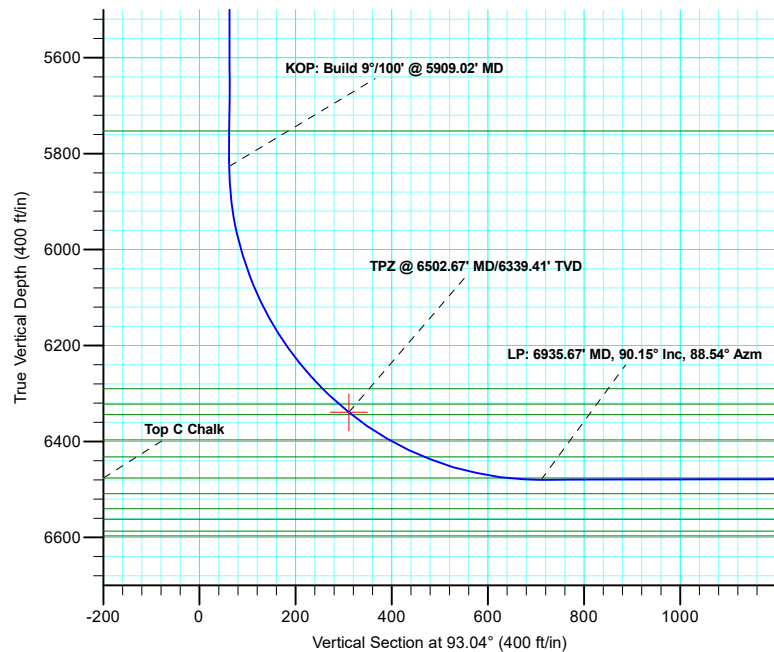
Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Colorado Northern Zone
 System Datum: Mean Sea Level

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	1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	0.00	
3	2150.00	5.00	90.00	2149.68	0.00	10.90	2.00	90.00	10.89	
4	2401.27	5.00	90.00	2400.00	0.00	32.80	0.00	0.00	32.76	
5	3120.14	13.22	183.19	3111.71	-82.51	59.69	2.00	113.13	63.98	
6	5909.02	13.22	183.19	5826.67	-719.35	24.18	0.00	0.00	62.29	
7	6502.67	51.18	88.54	6339.41	-786.17	269.64	9.00	-104.78	310.94	TPZ Wells Ranch State AF09-618
8	6935.67	90.15	88.54	6480.02	-775.98	670.25	9.00	0.00	710.45	
9	16368.32	90.15	88.54	6455.40	-536.28	10099.82	0.00	0.00	10114.05	BHL Wells Ranch State AF09-618

WELL DETAILS: Wells Ranch State AF09-618

+N/-S	+E/-W	Ground Level: Northing	Ground Level: Easting	Ground Level: Latitude	Ground Level: Longitude	Slot
0.00	0.00	1394541.74	3323524.62	40.4106008	-104.3381600	



Plan: APD - Rev 2 (Wells Ranch State AF09-618/Original Drilling)

Created By: Shelly C. Peterkin Date: 14:20, June 26 2018

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