

Project: Wells Ranch
 Site: BB Section 11
 Well: Wells Ranch BB09-649
 Wellbore: Original Drilling
 Design: APD - Rev 1

Northern Region - DJ Basin

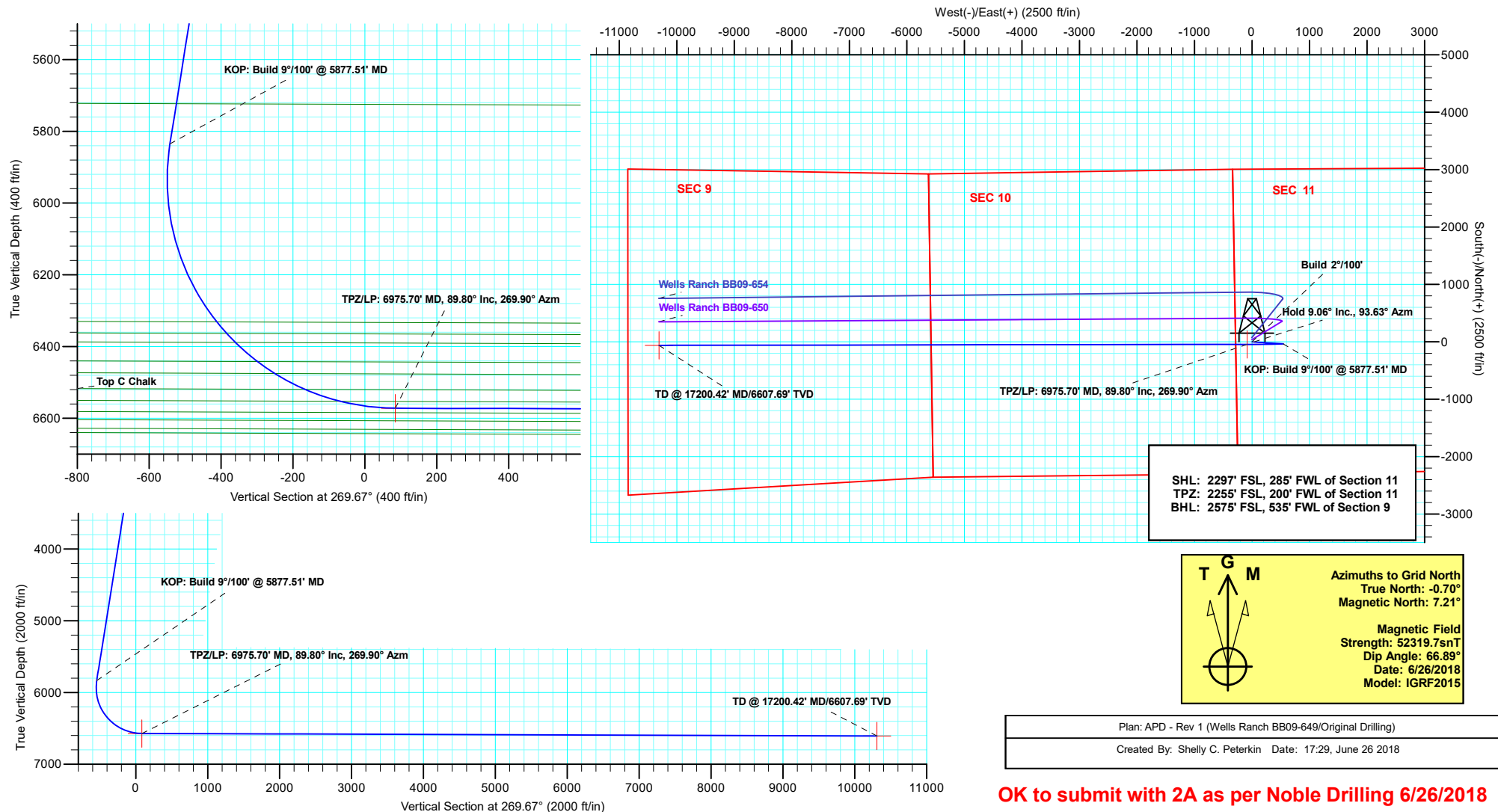
Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Colorado Northern Zone
 System Datum: Mean Sea Level

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	2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	0.00	
3	2652.83	9.06	93.63	2650.95	-2.26	35.64	2.00	93.63	-35.63	
4	5877.51	9.06	93.63	5835.43	-34.44	542.22	0.00	0.00	-542.01	
5	6975.70	89.80	269.90	6572.00	-43.09	-84.26	9.00	176.23	84.51	TPZ Wells Ranch BB09-649 Rev 1
6	17200.42	89.80	269.90	6607.69	-60.20	-10308.91	0.00	0.00	10309.08	BHL Wells Ranch BB09-649 Rev 1

WELL DETAILS: Wells Ranch BB09-649

+N/-S	+E/-W	Northing	Ground Level: Easting	4670.00 Latitude	Longitude	Slot
0.00	0.00	1395125.62	3302826.21	40.4129241	-104.4124586	



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