

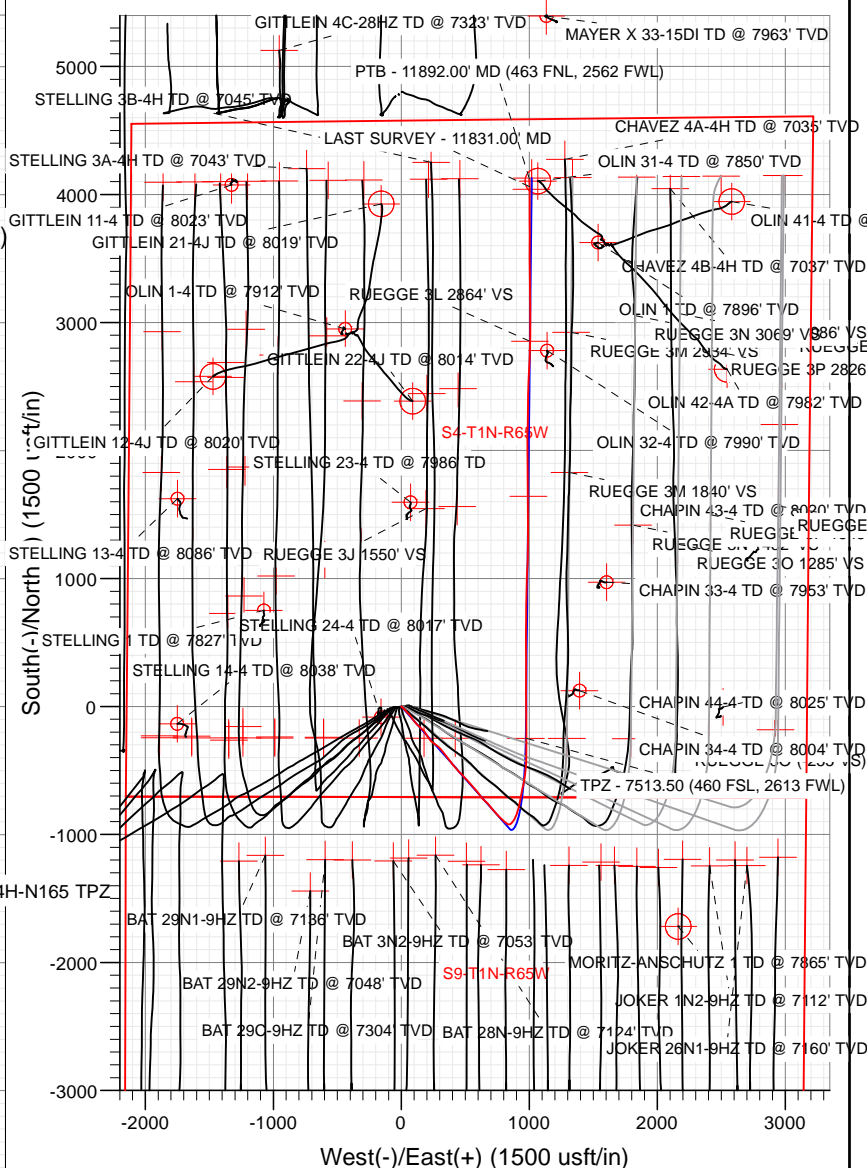
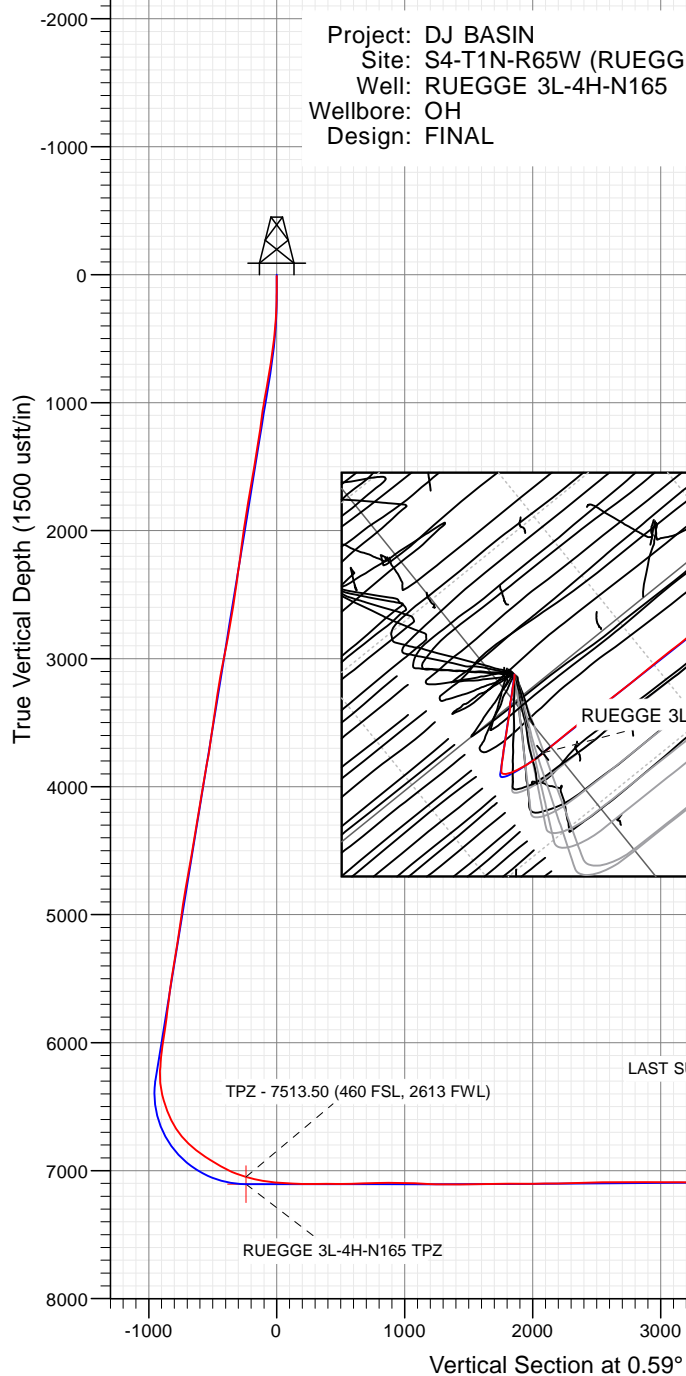


SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	
3	767.46	12.35	138.50	762.69	-49.65	43.92	2.00	138.50	-49.19	
4	6419.47	12.35	138.50	6283.92	-955.01	844.86	0.00	0.00	-946.26	
5	7658.24	89.97	0.59	7105.00	-249.55	972.60	8.00	-137.25	-239.52	RUEGGE 3L-4H-N165 TPZ
6	9549.76	89.97	0.59	7106.00	1641.87	992.17	0.00	0.00	1652.00	RUEGGE 3L 1652' VS
7	9575.24	90.48	0.59	7105.90	1667.35	992.43	2.00	0.00	1677.48	
8	10749.07	90.48	0.59	7096.08	2841.07	1004.58	0.00	0.00	2851.27	
9	10761.80	90.22	0.59	7096.00	2853.80	1004.71	2.00	180.00	2864.00	RUEGGE 3L 2864' VS
10	12036.40	90.22	0.59	7091.00	4128.32	1017.90	0.00	0.00	4138.58	RUEGGE 3L-4H-N165 BHL

FINAL
RUEGGE 3L-4H-N165
360637 185108 362137 185191
23' KB @ 4938.00usft
Ground Level @ 4915.00
North American Datum 1983
Well RUEGGE 3L-4H-N165 - Slot RUEGGE 3L-4H-N165 SHL True North

User	Target	Azimuth	Origin	N/S	E/W	From
Type	No Target (Freehand)	0.59	Type		0.00	0.00
Name		TVD	+N/-S	+E/-W		Latitude
RUEGGE 3L4H-N165 BHL		7091.00	4128.32	1017.90		40.086594
RUEGGE 3L2864 VS		7096.00	2853.80	1004.71		40.083095
RUEGGE 3L4H-N165 TPZ		7105.00	-240.55	972.60		40.074576
RUEGGE 3L1685 VS		7106.00	1641.87	992.17		40.070788
RUEGGE 3L1,015F		7107.00	4039.59	1018.98		40.086351

Project: DJ BASIN
Site: S4-T1N-R65W (RUEGGE)
Well: RUEGGE 3L-4H-N165
Wellbore: OH
Design: FINAL



Azimuths to True North
Magnetic North: 8.17°

Magnetic Field
Strength: 52108.0nT
Dip Angle: 66.47°
Date: 7/2/2018
Model: HDGM FILE

WELL DETAILS: RUEGGE 3L-4H-N165

4915.00					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1271347.74	3232060.86	40.075261	-104.670738



CATHEDRAL