



WELL DETAILS: Coyote Trails 33S-20-5C

Ground Elevation:: 5270.00  
RKB Elevation: kb @ 5298.00usft (Ensign 147)  
Rig Name: Ensign 147

Northing	Easting	Latitude	Longitude
1249778.81	3138071.88	40.01798	-105.00702

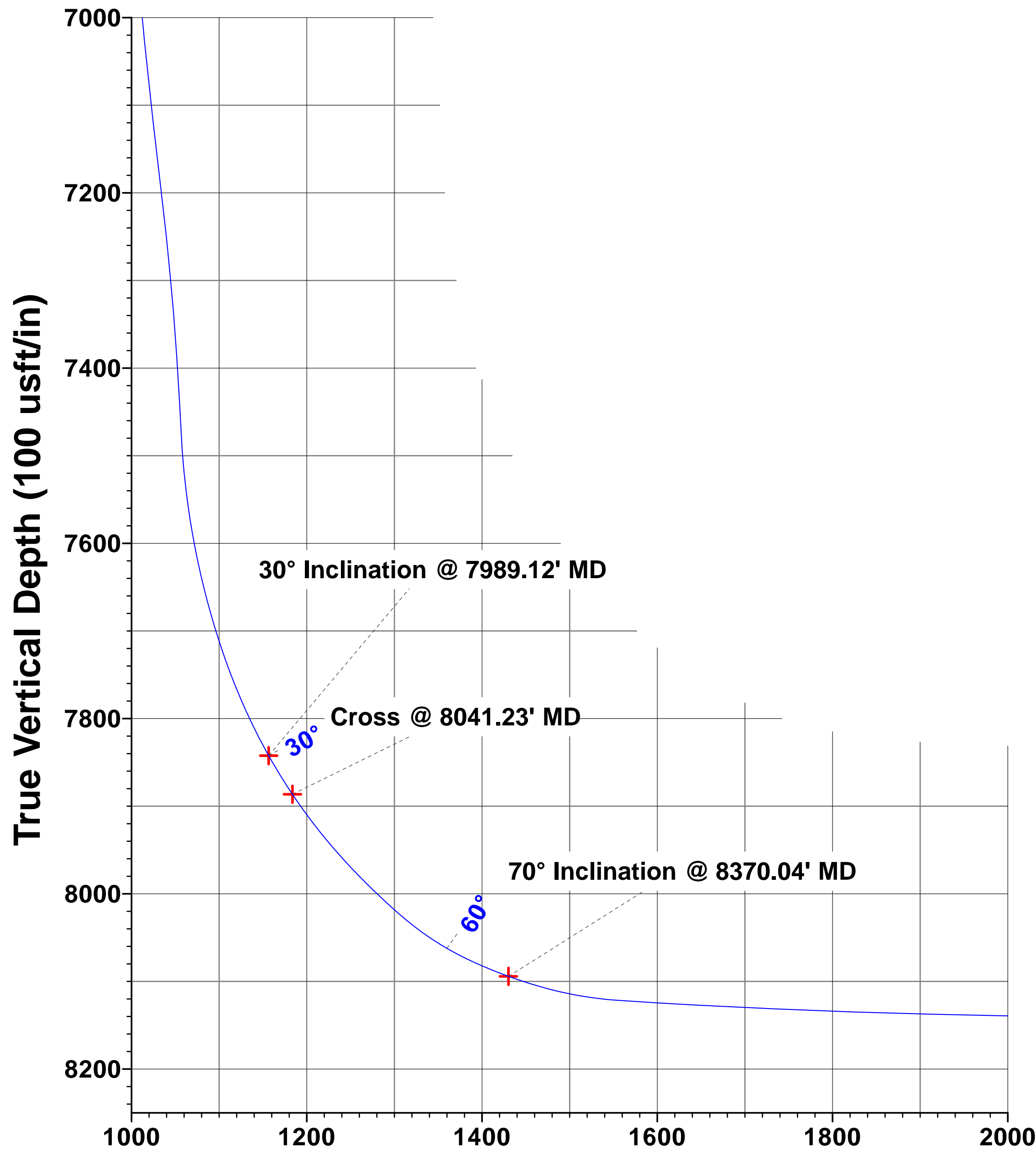
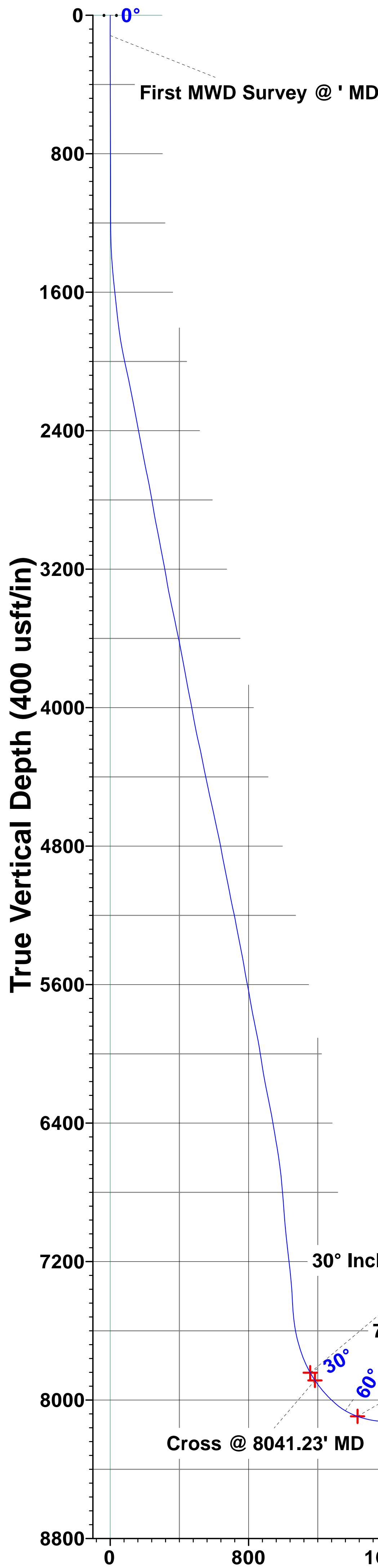


Extraction Oil & Gas  
Project: Weld County, CO (NAD83)  
Site: Sec 28-T1N-R68W Coyote Trails  
Well: Coyote Trails 33S-20-5C  
Wellbore: Wellbore #1  
Design: Wellbore #1 (Coyote Trails 33S-20-5C/Wellbore #1)  
Ensign 147

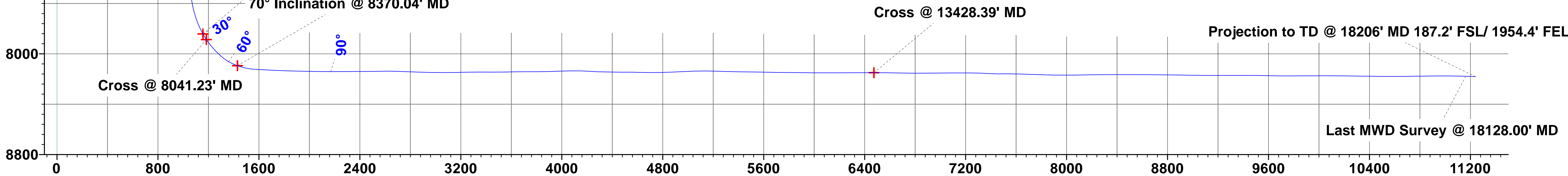
ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Departure	Annotation
117.00	117.00	0.27	85.03	0.02	0.27	0.00	0.28	First MWD Survey @ ' MD
7842.34	7989.12	29.98	189.53	-1112.54	679.44	1156.51	1340.32	30° Inclination @ 7989.12' MD
7886.44	8041.23	34.39	187.17	-1140.00	675.45	1183.63	1367.54	Cross @ 8041.23' MD
8094.20	8370.04	70.00	179.30	-1387.39	670.56	1430.11	1615.35	70° Inclination @ 8370.04' MD
8149.86	13428.39	90.48	180.52	-6438.50	729.13	6473.34	6668.21	Cross @ 13428.39' MD
8178.06	18128.00	88.07	174.72	-11135.39	783.75	11162.92	11367.29	Last MWD Survey @ 18128.00' MD
8180.69	18206.00	88.07	174.72	-11213.01	790.92	11240.85	11445.24	Projection to TD @ 18206' MD 187.2' FSL/ 1954.4' FEL

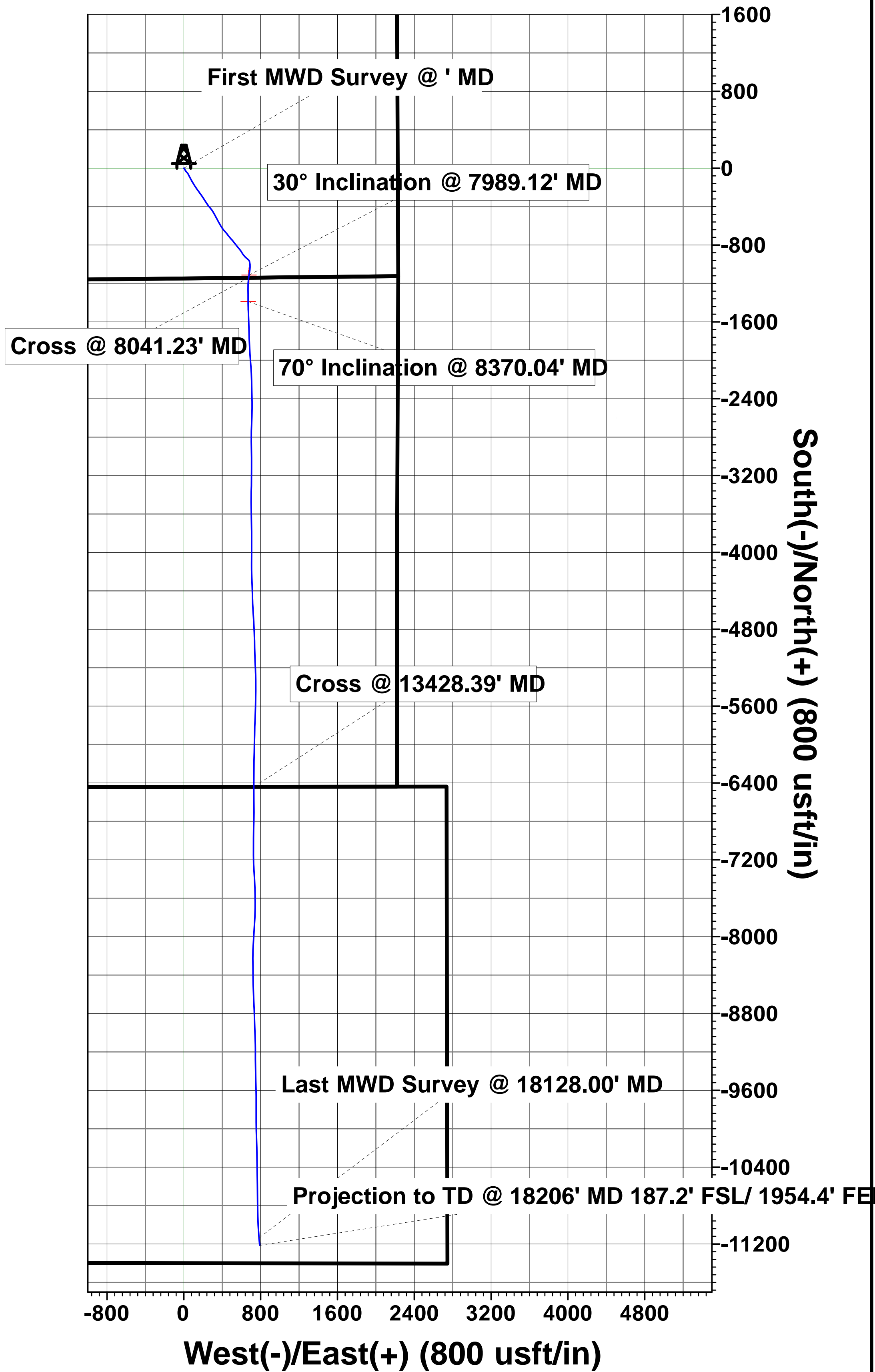
PROJECT DETAILS: Weld County, CO (NAD83)  
Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Colorado Northern Zone  
System Datum: Ground Level  
Local North: True



Vertical Section at 176.07° (100 usft/in)



Vertical Section at 176.07° (400 usft/in)



Mazimuths to True North  
Magnetic North: 8.32°  
Magnetic Field  
Strength: 51918.9snT  
Dip Angle: 66.35°  
Date: 12/31/2018  
Model: HDGM