



Extraction Oil & Gas  
 Project: Weld County, CO (NAD83)  
 Site: Sec 09-T05N-R65W Ash Pad  
 Well: MT Fed Glenfair 8W-20-18  
 Wellbore: Wellbore #1  
 Design: Wellbore #1 (MT Fed Glenfair 8W-20-18/Wellbore #1)  
 Patterson 340

WELL DETAILS: MT Fed Glenfair 8W-20-18

Ground Elevation:: 4635.00  
 RKB Elevation: kb @ 4660.00usft (Patterson 340)  
 Rig Name: Patterson 340

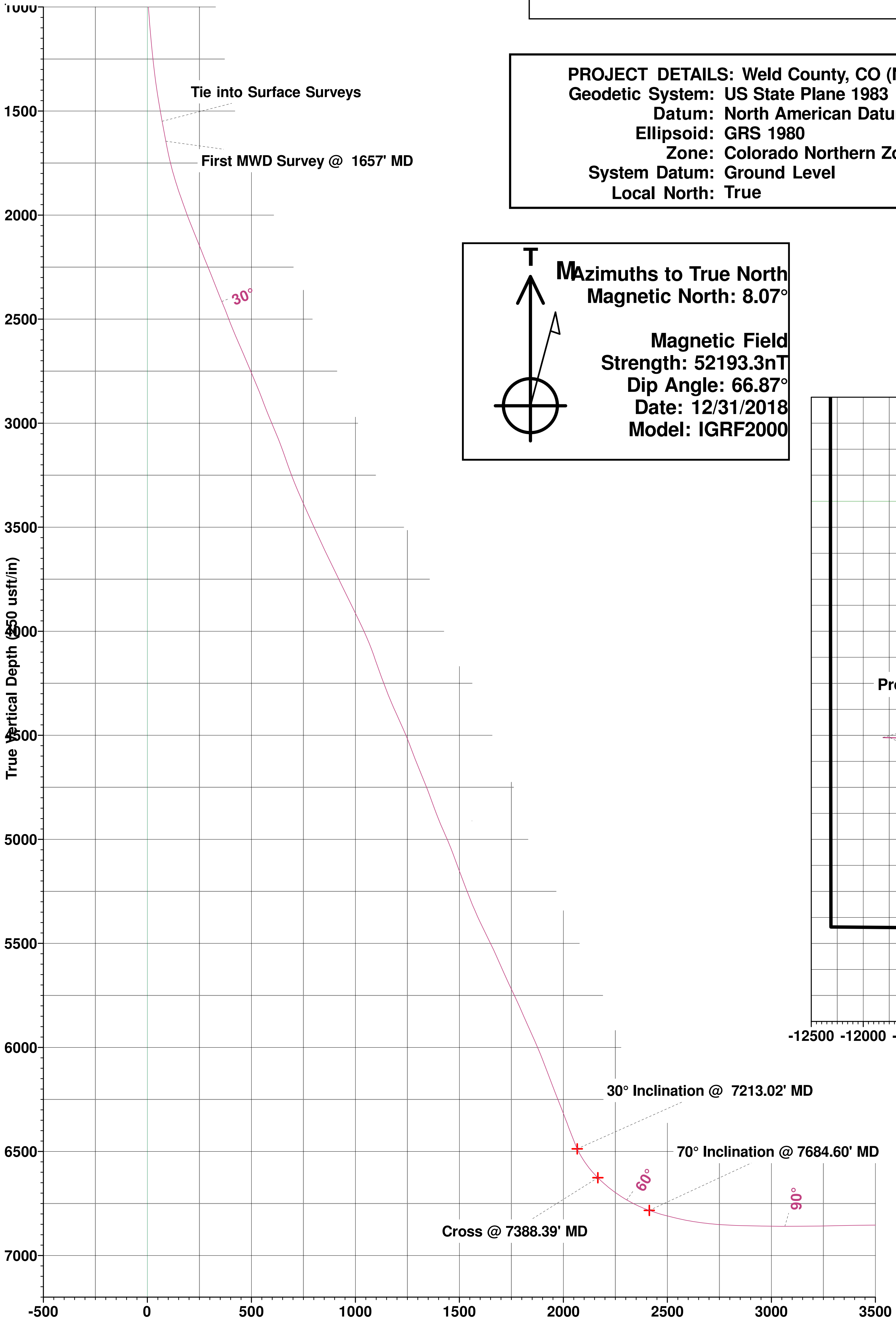
Northing	Easting	Latitude	Longitude
1396125.76	3230637.31	40.417810	-104.671660



**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

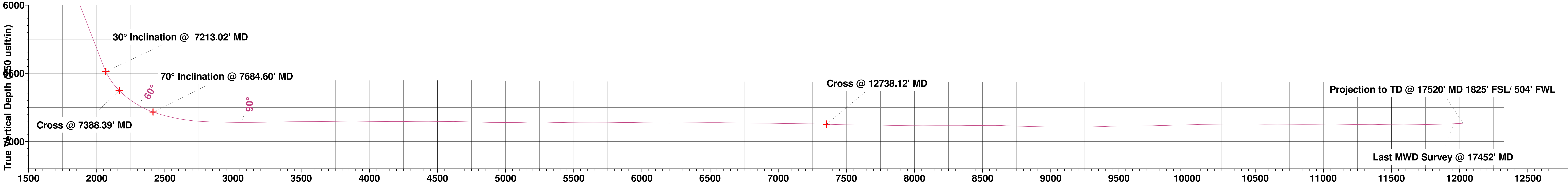
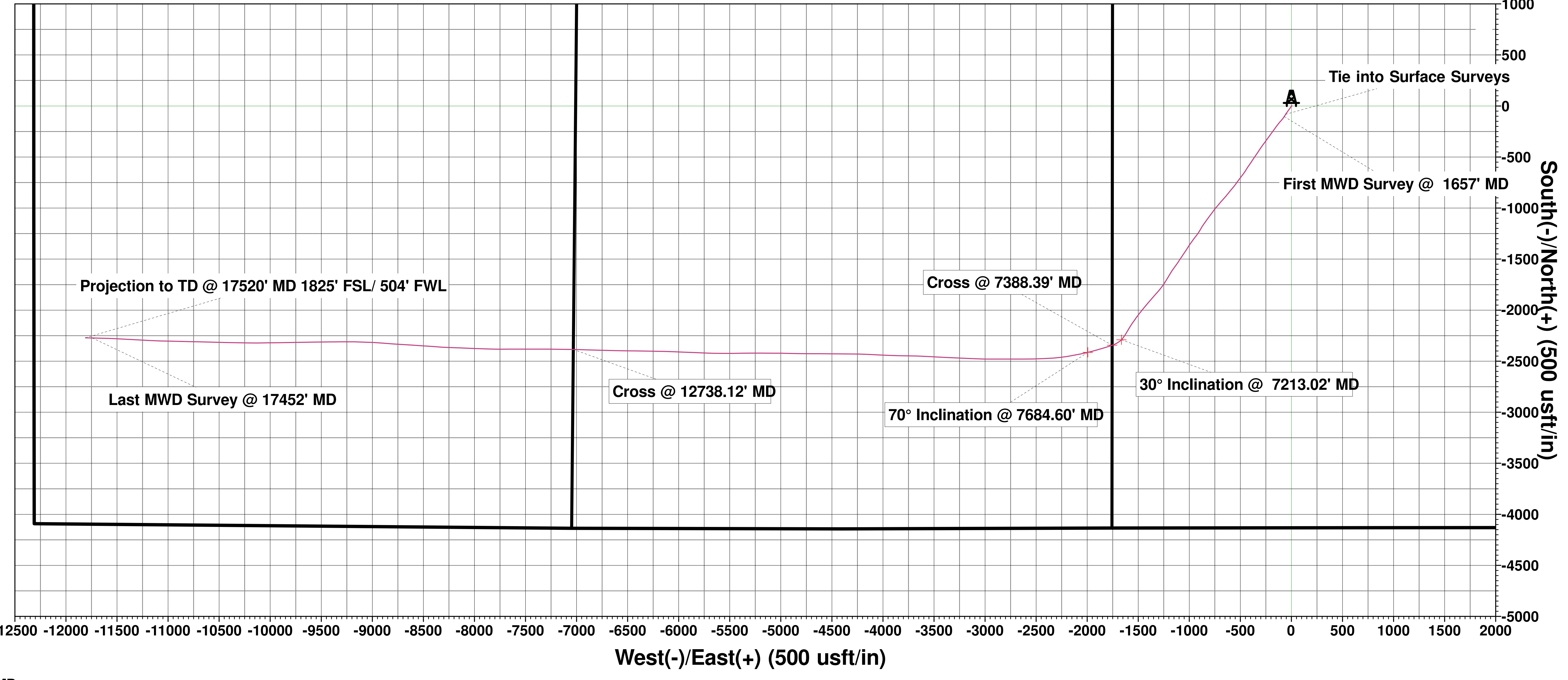
ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
1558.00	14.68	213.12	1549.49	-81.52	-56.59	70.97	114.63	Tie into Surface Surveys
1657.00	15.64	211.09	1645.04	-103.45	-70.34	88.61	140.52	First MWD Survey @ 1657' MD
7213.02	29.77	224.46	6487.63	-2289.72	-1664.21	2066.66	2851.23	30° Inclination @ 7213.02' MD
7388.39	45.29	249.75	6626.40	-2343.44	-1755.00	2165.96	2957.24	Cross @ 7388.39' MD
7684.60	70.00	256.52	6783.37	-2413.10	-1993.37	2413.19	3205.59	70° Inclination @ 7684.60' MD
12738.12	87.97	271.11	6872.89	-2384.85	-7031.50	7355.34	8250.34	Cross @ 12738.12' MD
17452.00	92.71	271.42	6869.37	-2272.60	-11741.48	11959.38	12963.44	Last MWD Survey @ 17452' MD
17520.00	92.71	271.42	6866.16	-2270.92	-11809.38	12025.74	13031.36	Projection to TD @ 17520' MD 1825' FSL/ 504' FWL



**M**azimuths to True North  
 Magnetic North: 8.07°

Magnetic Field  
 Strength: 52193.3nT  
 Dip Angle: 66.87°  
 Date: 12/31/2018  
 Model: IGRF2000



Vertical Section at 259.12° (250 usft/in)