Extraction Oil and Gas
Project: Weld County, CO (NAD83)
Site: Sec 21-T05N-R65W Ardrey Pad
Well: AD Fed Dairy 20W-25-16
Wellbore: Wellbore #1
Design: Wellbore #1 (AD Fed Dairy 20W-25-16/Wellbore #1)
Ensign 147

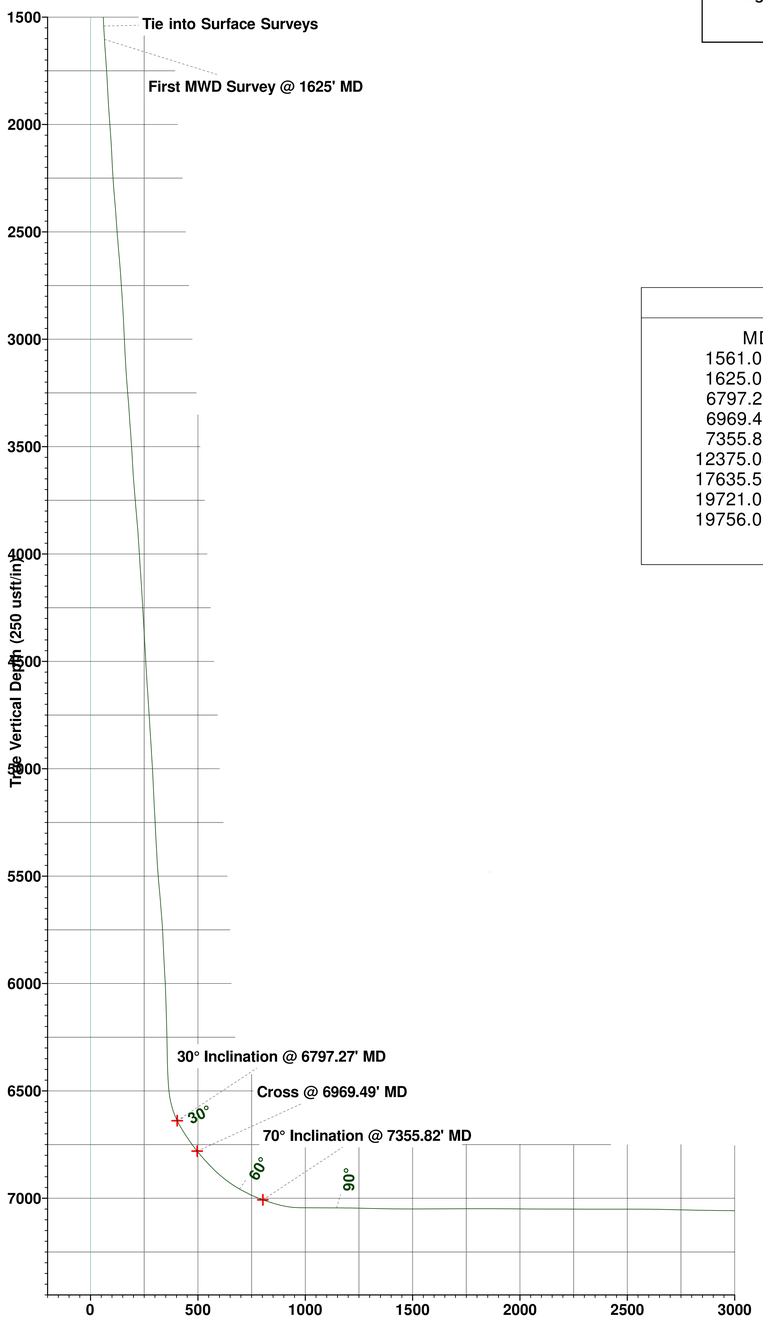
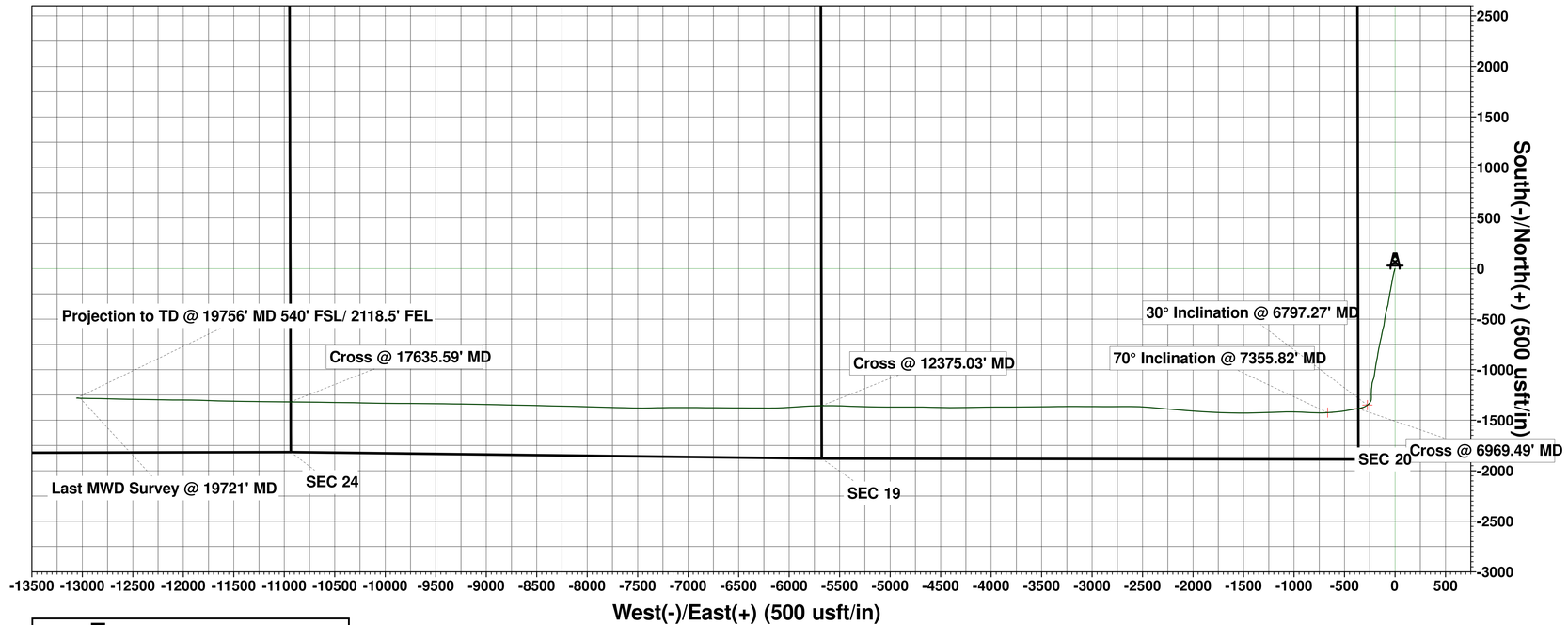
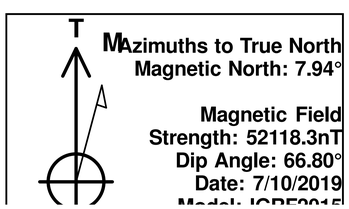
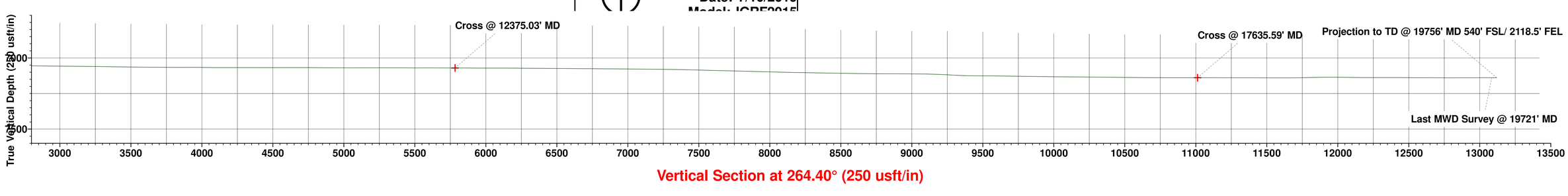
PROJECT DETAILS: Weld County, CO (NAD83)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
System Datum: Ground Level
Local North: True

WELL DETAILS: AD Fed Dairy 20W-25-16

Ground Elevation:: 4638.00
RKB Elevation: KB @ 4666.00usft (Ensign 147)
Rig Name: Ensign 147

Northing	Easting	Latittude	Longitude
1383261.39	3229411.87	40.382530	-104.676490

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
1561.00	11.82	190.70	1541.29	-198.89	-42.28	61.49	203.66	Tie into Surface Surveys
1625.00	11.45	189.59	1603.97	-211.59	-44.55	65.00	216.56	First MWD Survey @ 1625' MD
6797.27	29.79	233.63	6638.82	-1349.93	-273.24	403.74	1389.59	30° Inclination @ 6797.27' MD
6969.49	38.89	259.35	6780.68	-1384.06	-363.50	496.90	1486.89	Cross @ 6969.49' MD
7355.82	70.00	266.37	7007.38	-1424.46	-666.81	802.70	1792.57	70° Inclination @ 7355.82' MD
12375.03	89.68	269.14	7070.62	-1356.06	-5678.00	5783.27	6806.80	Cross @ 12375.03' MD
17635.59	89.86	270.47	7139.04	-1318.70	-10936.50	11013.00	12066.61	Cross @ 17635.59' MD
19721.00	90.41	271.82	7139.09	-1282.02	-13021.43	13084.39	14151.94	Last MWD Survey @ 19721' MD
19756.00	90.41	271.82	7138.84	-1280.91	-13056.42	13119.10	14186.94	Projection to TD @ 19756' MD 540' FSL/ 2118.5' FEL

SHL/ 1876' FSL & 367' FWL
LP/ 645' FSL & 460' FEL
BHL/ 540' FSL & 2204' FEL
Ground Elevation 4638'