



Extraction Oil & Gas
Project: Weld County, CO (NAD83)
Site: Sec 10-T01S-R68W Interchange Pad
Well: Interchange B S22-30-15N
Wellbore: Wellbore #1
Design: Wellbore #1 (Interchange B S22-30-15N/Wellbore #1)
Patterson 901

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

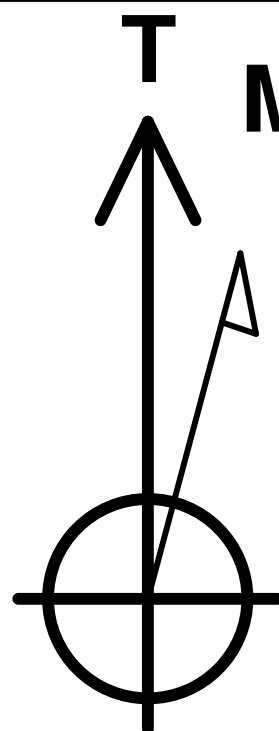


WELL DETAILS: Interchange B S22-30-15N
Ground Elevation:: 5206.10
RKB Elevation:: KB @ 5235.10usft (Patterson 901)
Rig Name: Patterson 901

Northing	Easting	Latitude	Longitude
1235301.32	3142599.06	39.978163	-104.991157

ANNOTATIONS

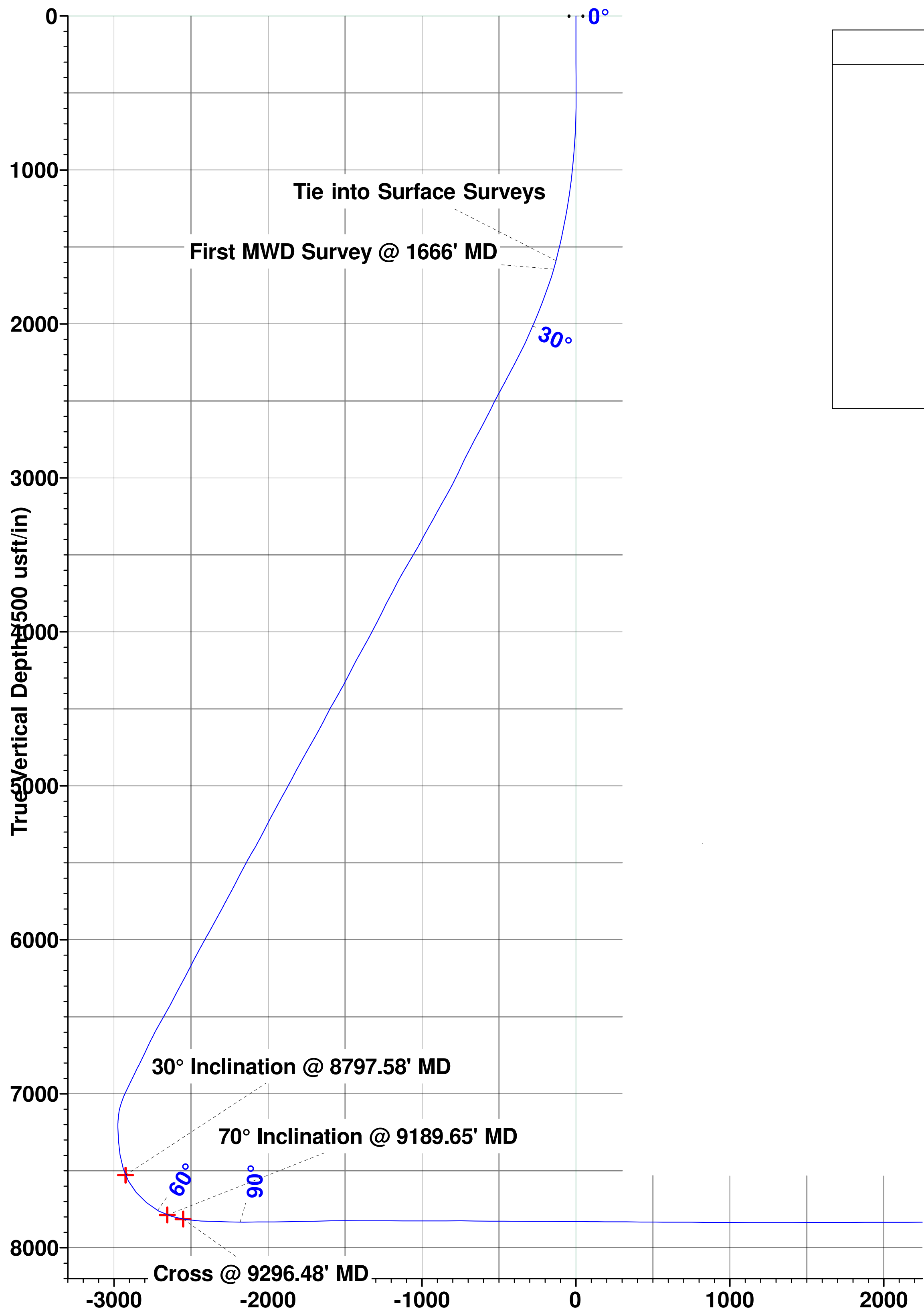
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
1608.00	18.25	27.47	1589.89	147.56	79.59	-129.35	172.81	Tie into Surface Surveys
1666.00	19.31	26.06	1644.80	164.23	87.99	-144.08	191.48	First MWD Survey @ 1666' MD
8797.58	29.69	126.31	7528.76	3421.74	2229.80	-2925.07	4194.00	30° Inclination @ 8797.58' MD
9189.65	69.98	170.11	7787.11	3168.58	2344.85	-2654.42	4479.34	70° Inclination @ 9189.65' MD
9296.48	79.20	175.99	7813.60	3066.00	2357.44	-2551.35	4581.93	Cross @ 9296.48' MD
14583.60	89.27	179.62	7834.56	-2218.00	2335.68	2628.38	9867.69	Cross @ 14583.60' MD
19874.78	89.03	179.59	7898.75	-7508.00	2359.87	7822.90	15158.21	Cross @ 19874.78' MD
24619.00	91.34	177.96	7917.79	-12249.64	2424.17	12487.20	19901.74	Last MWD Survey @ 24619' MD
24655.00	91.34	177.96	7916.95	-12285.60	2425.45	12522.73	19937.73	Projection to TD @ 24655' MD 505' FSL/ 1205' FEL



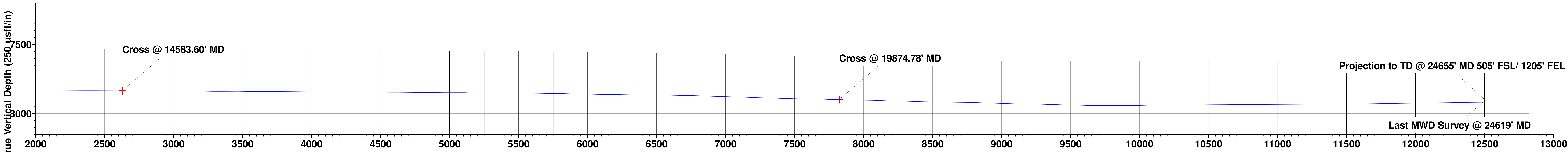
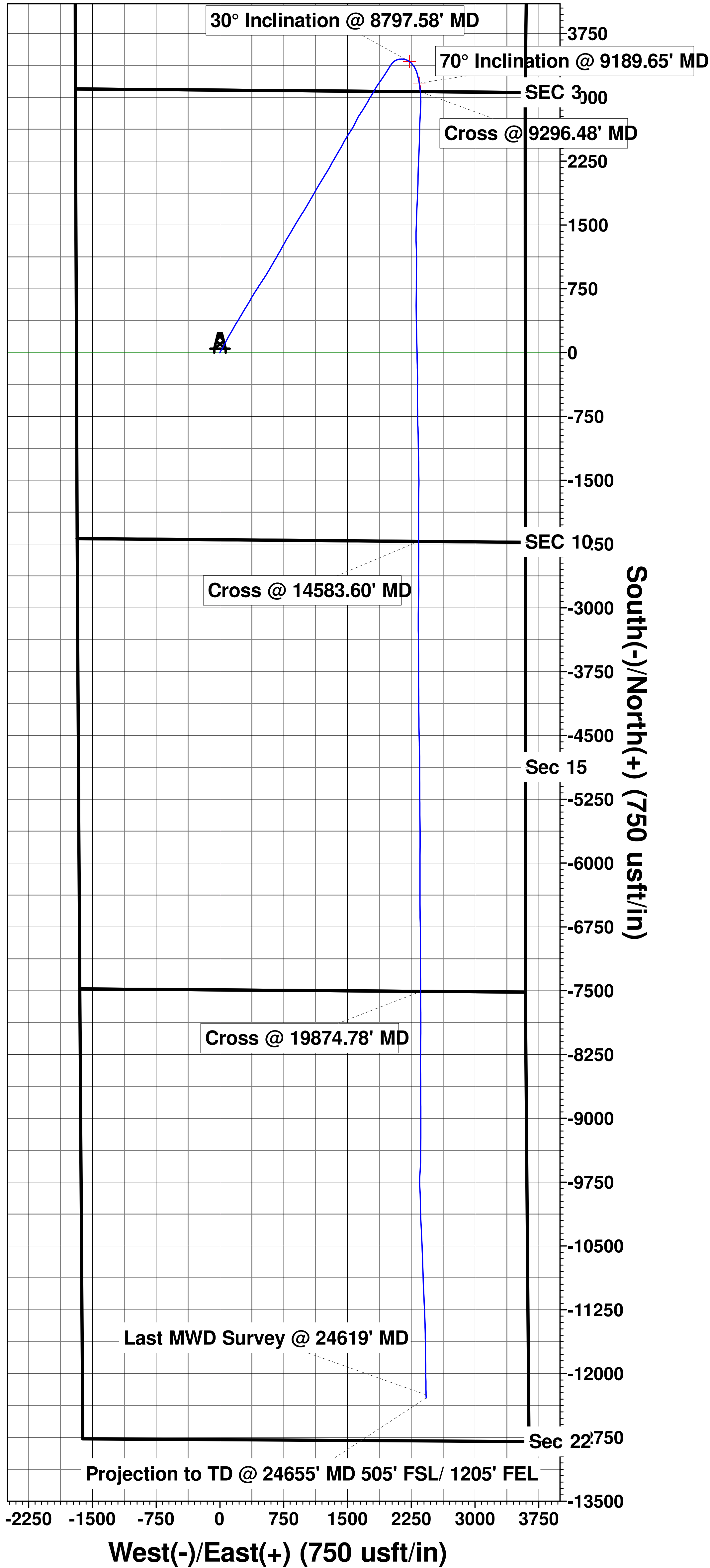
Mazimuths to True North
Magnetic North: 8.08°

Magnetic Field
Strength: 51880.7nT
Dip Angle: 66.43°
Date: 6/8/2019
Model: IGRF2015

SHL/ 2200' FSL & 1689' FWL
LP/ 150' FNL & 1280' FEL
BHL/ 460' FSL & 1232' FEL
Ground Elevation 5206.1'



Vertical Section at 168.83° (500 usft/in)



Vertical Section at 168.83° (250 usft/in)