



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

Extraction Oil & Gas
Project: Weld County, CO (NAD83)
Site: Sec 28-T1N-R68W Coyote Trails
Well: Coyote Trails 33S-20-4N
Wellbore: Wellbore #1
Design: Wellbore #1 (Coyote Trails 33S-20-4N/Wellbore #1)
Ensign 147

WELL DETAILS: Coyote Trails 33S-20-4N

Ground Elevation:: 5271.00
RKB Elevation: kb @ 5299.00usft (Ensign 147)
Rig Name: Ensign 147

Northing	Easting	Latitude	Longitude
1249778.71	3138053.96	40.01798	-105.00709



ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
116.99	117.00	1.11	121.17	-0.59	0.97	0.63	1.13	First MWD Survey @ 117' MD
7368.88	7506.95	30.00	180.79	-1120.50	484.89	1142.88	1244.45	30° Inclination @ 7506.95' MD
7405.63	7550.05	32.81	179.72	-1143.00	484.76	1165.36	1267.43	Cross @ 7550.05' MD
7753.48	8124.70	70.00	176.49	-1586.36	486.66	1608.28	1710.59	70° Inclination @ 8124.70' MD
7749.82	12989.43	90.02	180.57	-6440.00	518.20	6457.65	6565.72	Cross @ 12989.43' MD
7783.56	17692.00	88.95	177.63	-11140.47	567.16	11154.87	11267.50	Last MWD Survey @ 17692.00' MD
7784.64	17751.00	88.95	177.63	-11199.41	569.60	11213.86	11326.49	Projection to TD @ 17751' MD 200.8' FSL/ 2193.6' FEL

0°
First MWD Survey @ 117' MD

800

1600

2400

3200

4000

4800

5600

6400

7200

8000

8800

9600

10400

11200

12000

12800

13600

14400

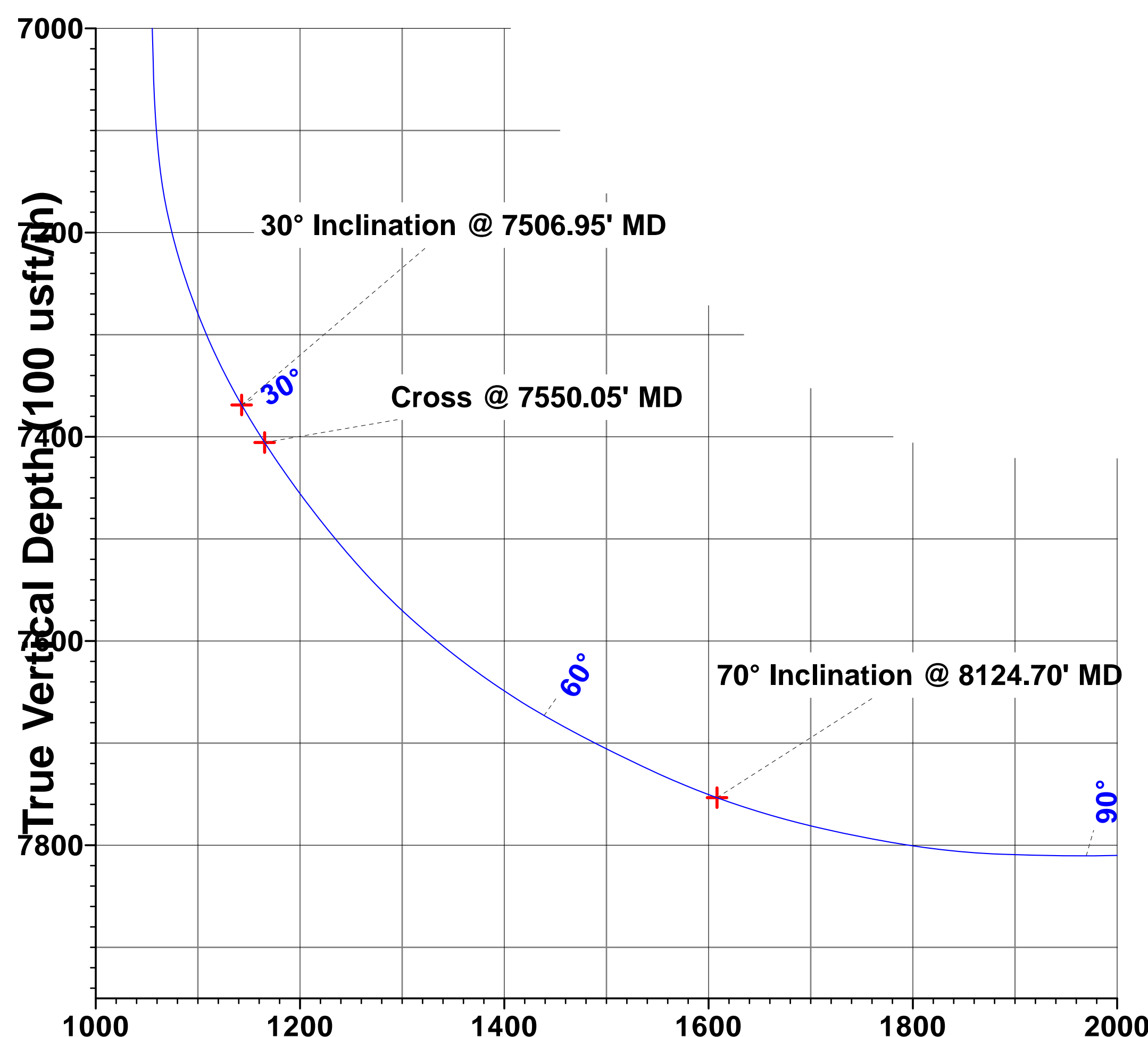
15200

16000

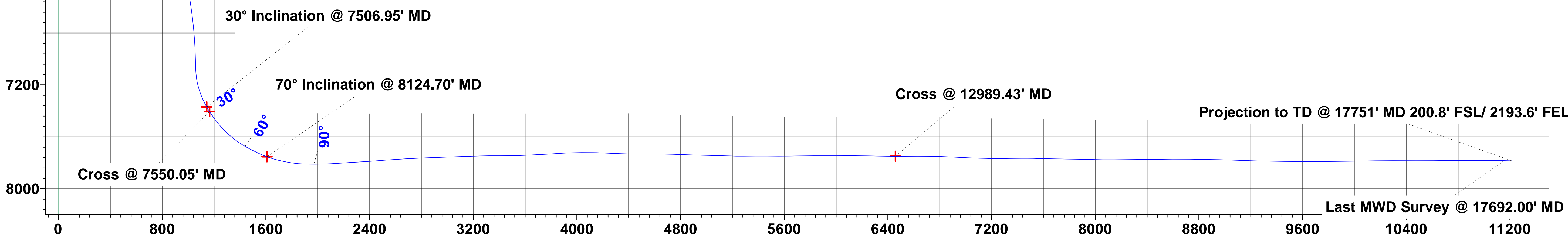
16800

17600

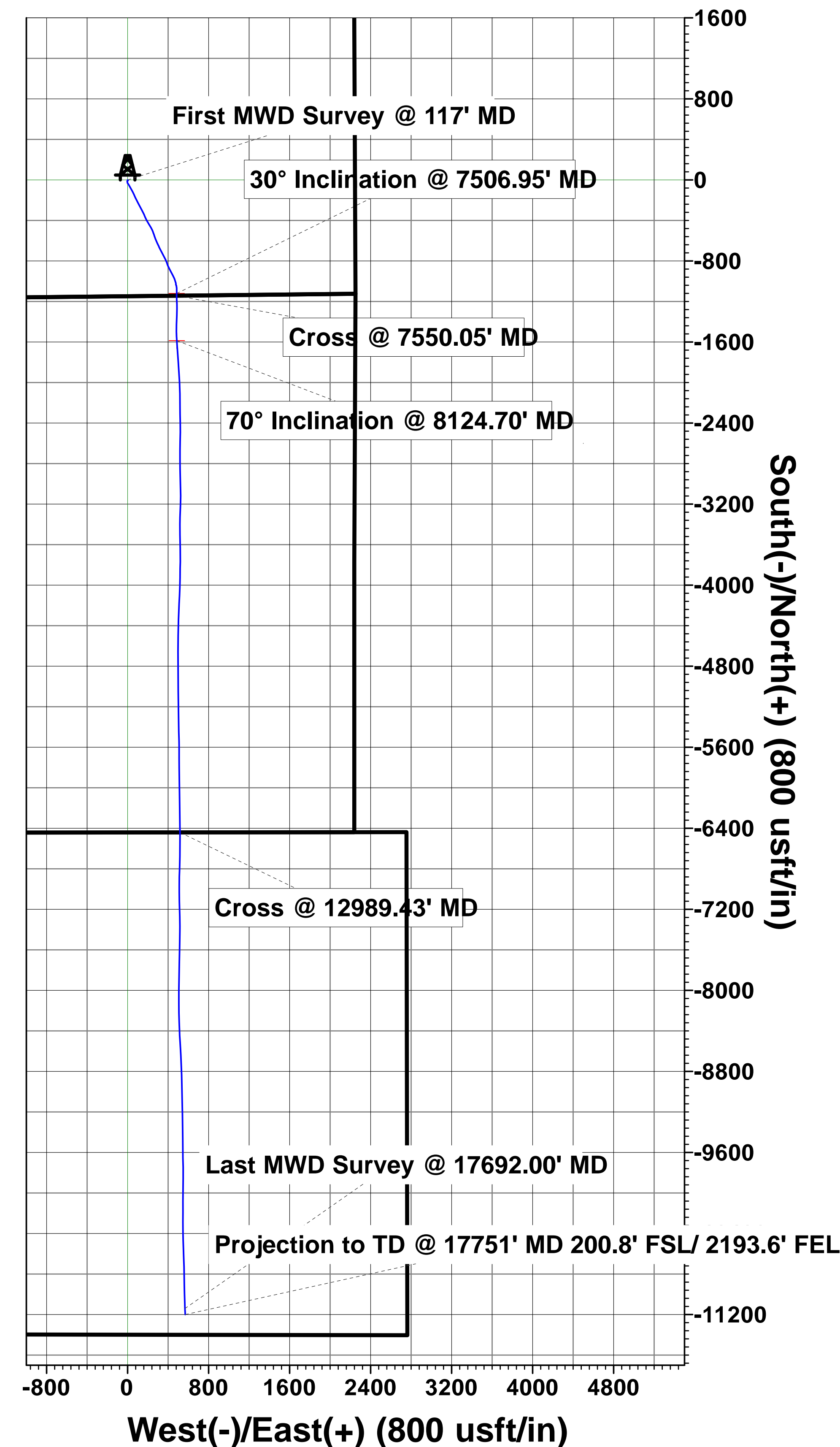
18400



Vertical Section at 177.19° (100 usft/in)



Vertical Section at 177.19° (400 usft/in)



Mazimuths to True North
Magnetic North: 8.32°

Magnetic Field
Strength: 51918.8snT
Dip Angle: 66.35°
Date: 12/31/2018
Model: HDGM

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JOB # 00142EX-CO