

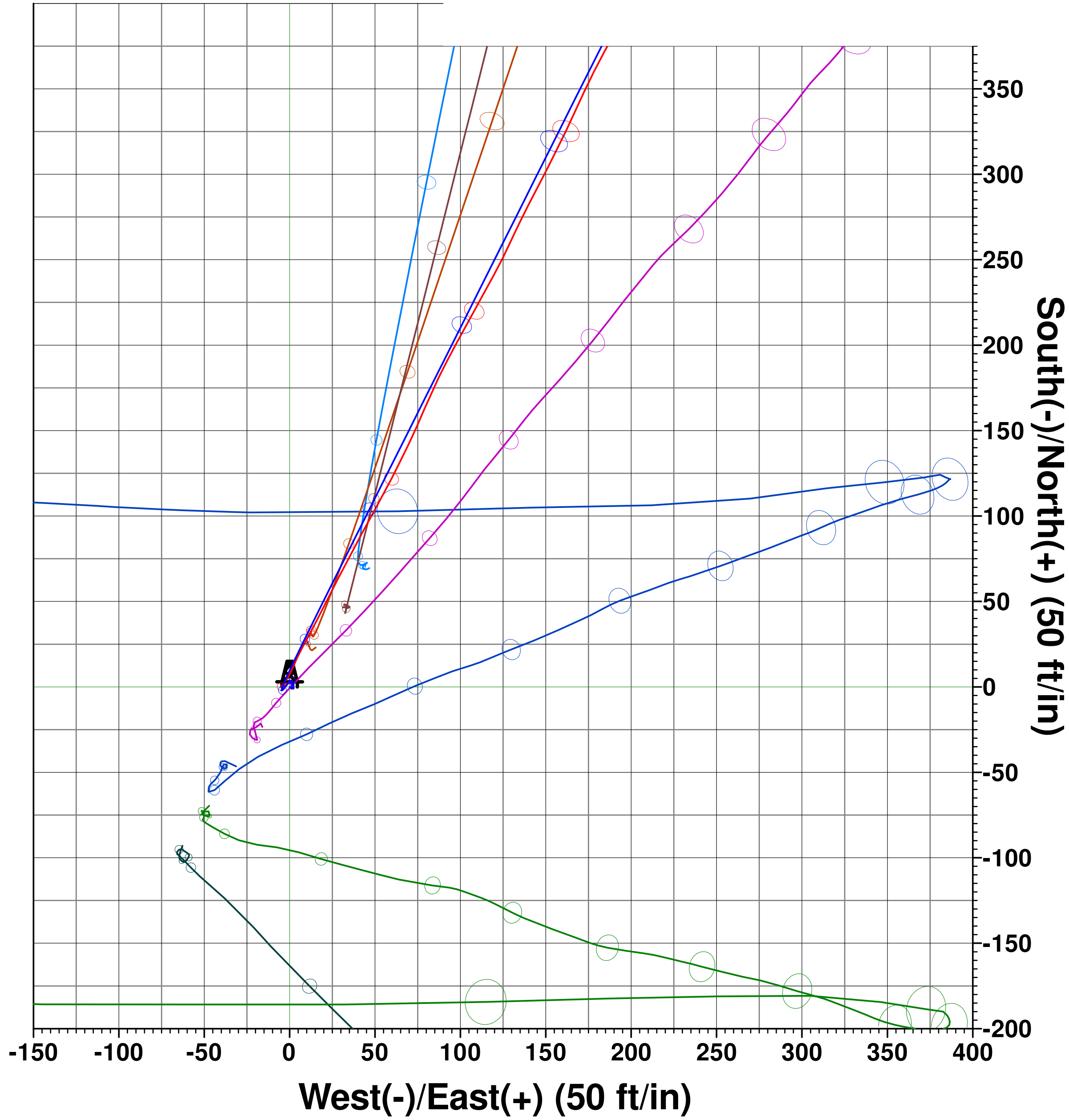
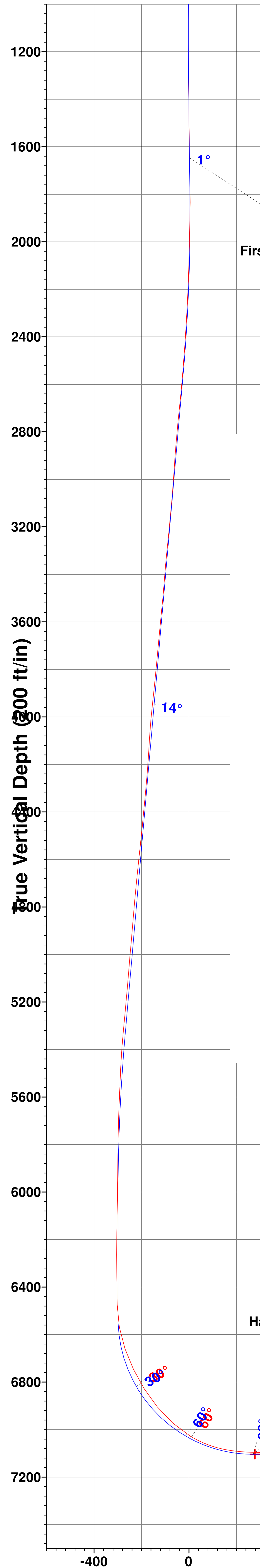
Extraction Oil & Gas
Project: Weld County, CO (NAD83)
Site: Sec 26-T07N-R67W
Well: Launer 6
Wellbore: Wellbore #1
Plan: Plan 2 (Launer 6/Wellbore #1)
Patterson 346

WELL DETAILS: Launer 6
Ground Elevation:: 4927.00
RKB Elevation: KB=25 @ 4952.00ft (Patterson 346)
Rig Name: Patterson 346

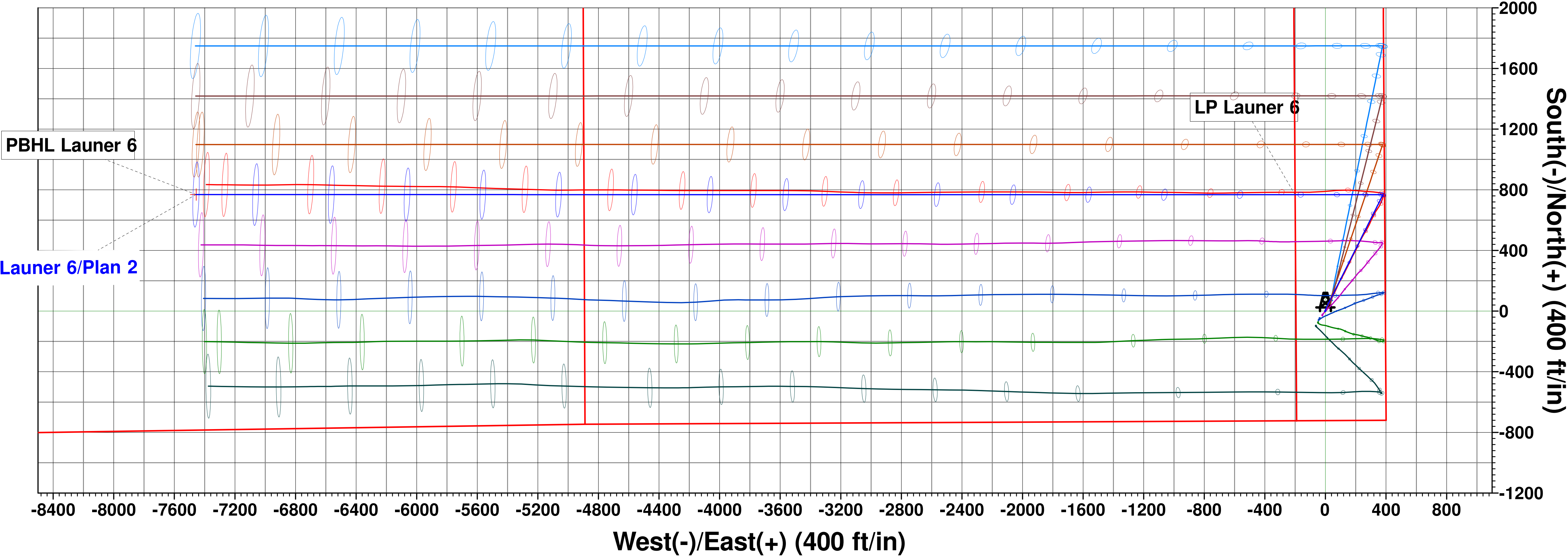
Northing 1440175.6191 Easting 3179995.3934 Latitude 40.539878 Longitude -104.852379



First MWD Survey @ 1647'MD



Planned Section Details									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
1	1513.00	1.27	220.05	1512.86	2.94	-0.10	0.00	0.00	0.40
2	1800.00	1.27	220.05	1799.79	-1.93	-4.19	0.00	0.00	3.97
3	2558.79	13.94	26.64	2551.72	73.76	31.58	2.00	167.68	-23.85
4	5432.74	13.94	26.64	5341.05	692.52	341.95	0.00	0.00	-269.15
5	6129.62	0.00	0.00	6031.08	767.91	379.77	2.00	180.00	-299.04
6	6629.62	0.00	0.00	6531.08	767.91	379.77	0.00	0.00	-299.04
7	7536.42	90.68	270.00	7104.00	767.96	-199.98	10.00	270.00	277.66
8	14792.87	90.68	270.00	7018.00	768.58	-7455.92	0.00	0.00	7495.43



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Azimuths to Grid North
True North: -0.42°
Magnetic North: 7.90°

Magnetic Field
Strength: 52373.0snT
Dip Angle: 66.95°
Date: 11/29/2017
Model: HDGM

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: Grid

Hardline Crossing @ 7518.57'MD (1508' FSL & 591' FEL)

Section Crossing Line @ 12215.54'MD

Final MWD Survey @ 14641'MD

PTD @ 14710'MD (1619'FSL & 2493'FEL)

Launer 6/Wellbore #1

Launer 6/Plan 2

Vertical Section at 275.88° (200 ft/in)