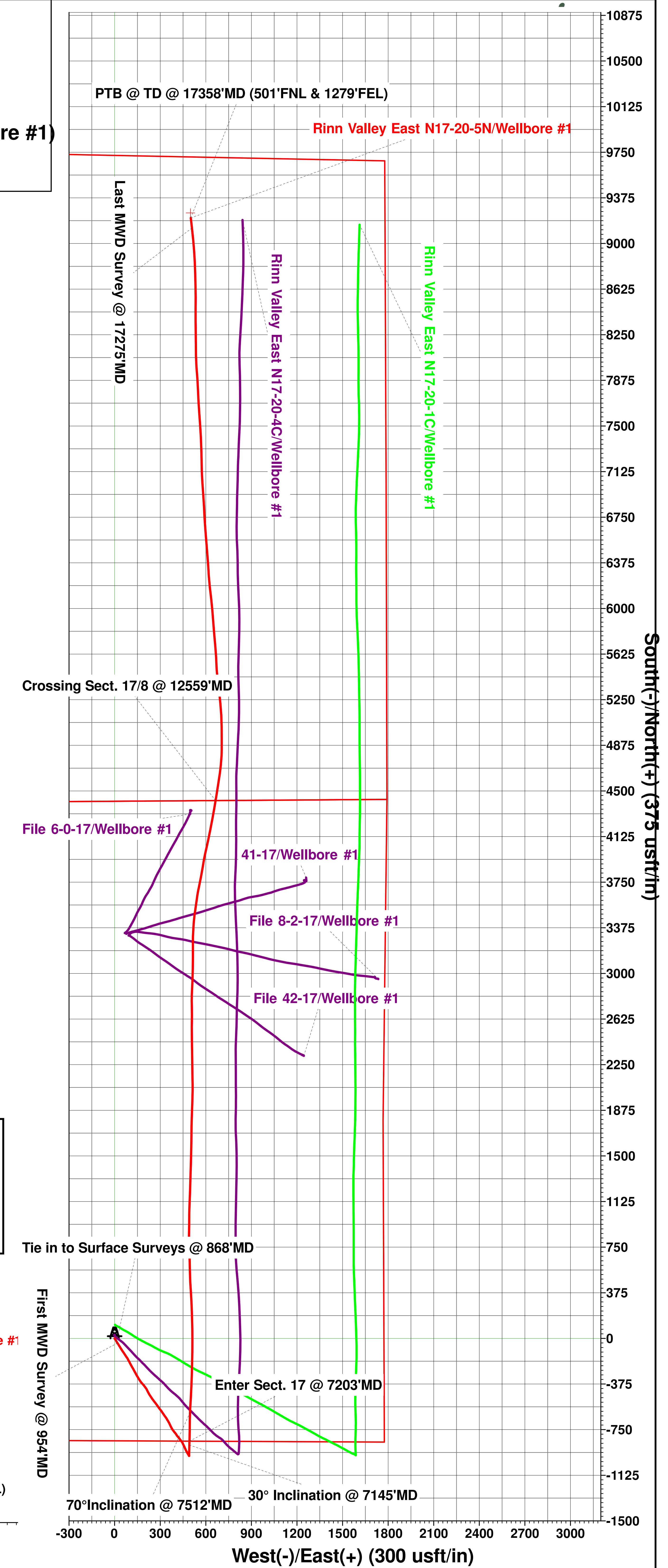
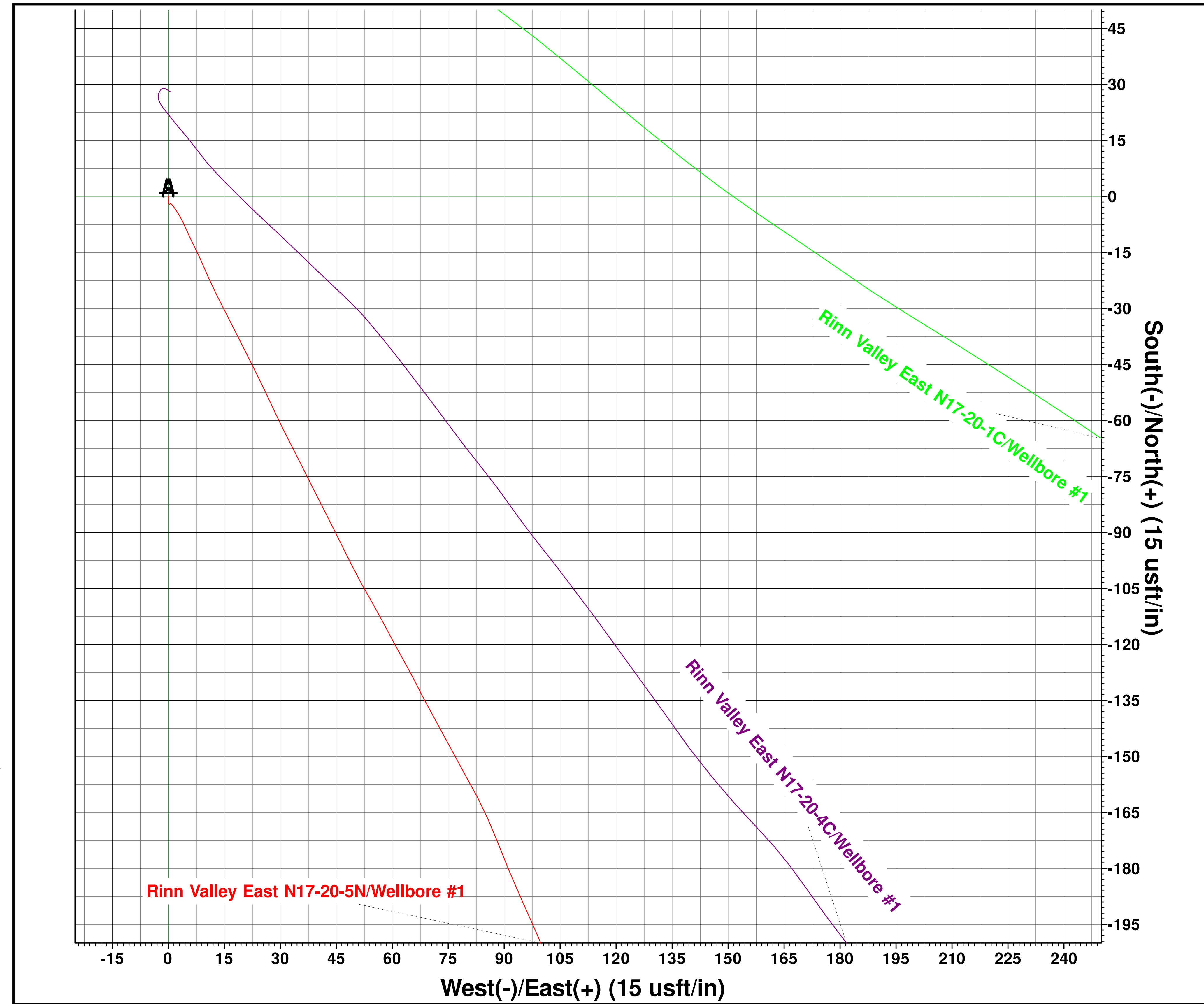
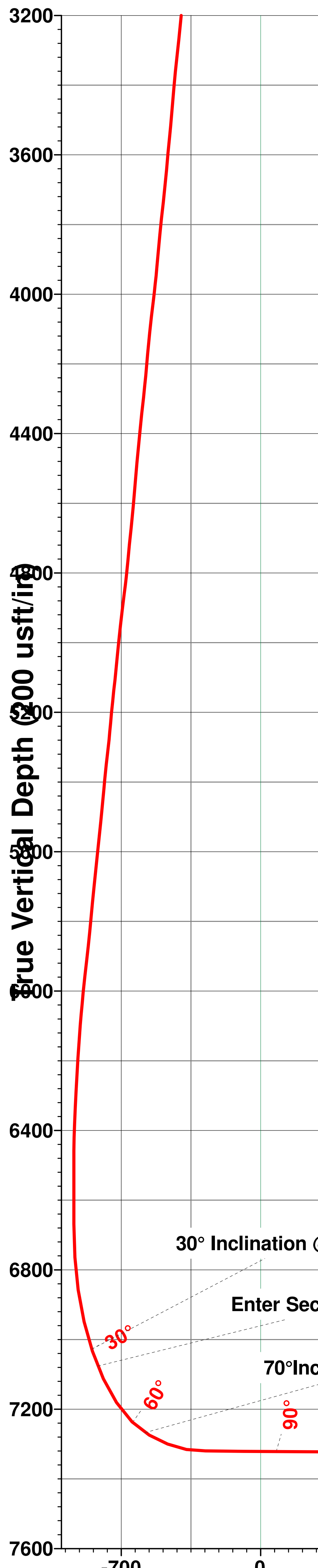


**WELL DETAILS: Rinn Valley East N17-20-5N**

Ground Elevation:: 4919.40  
 RKB Elevation: KB=29 @ 4948.40usft (Patterson #901)  
 Rig Name: Patterson #901

Northing	Easting	Latitude	Longitude
1291943.89	3133094.19	40.13380	-105.02399

**Extraction Oil & Gas**  
 Project: Weld County, CO (NAD83)  
 Site: Rinn Valley East Pad (Sec. 17-T2N, R68W)  
 Well: Rinn Valley East N17-20-5N  
 Wellbore: Wellbore #1  
 Design: Wellbore #1 (Rinn Valley East N17-20-5N/Wellbore #1)  
 Patterson #901



**Azimuths to True North**  
 Magnetic North: 8.47°  
 Magnetic Field  
 Strength: 52005.1snT  
 Dip Angle: 66.52°  
 Date: 9/10/2018  
 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: True

**Vertical Section at 3.09° (350 usft/in)**