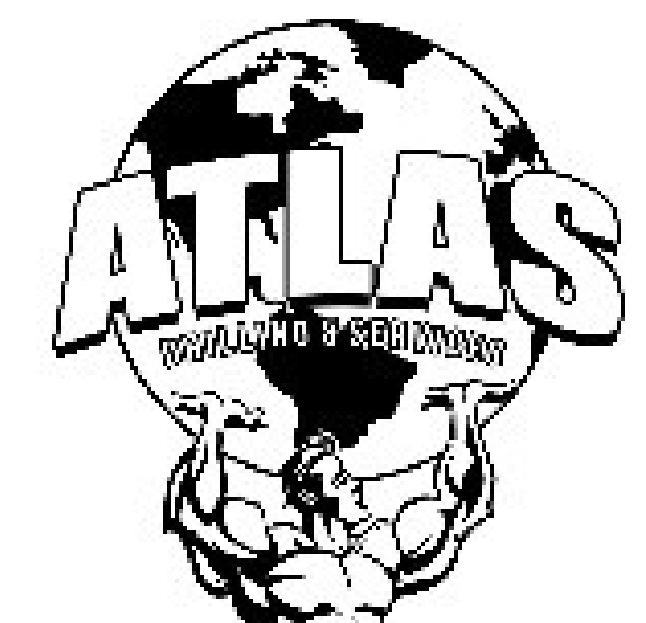




Extraction Oil & Gas
 Project: Weld County, CO (NAD83)
 Site: Sec 28-T1N-R68W Coyote Trails
 Well: Coyote Trails 33W-15-5N
 Wellbore: Wellbore #1
 Design: Wellbore #1 (Coyote Trails 33W-15-5N/Wellbore #1)
 Ensign 147

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

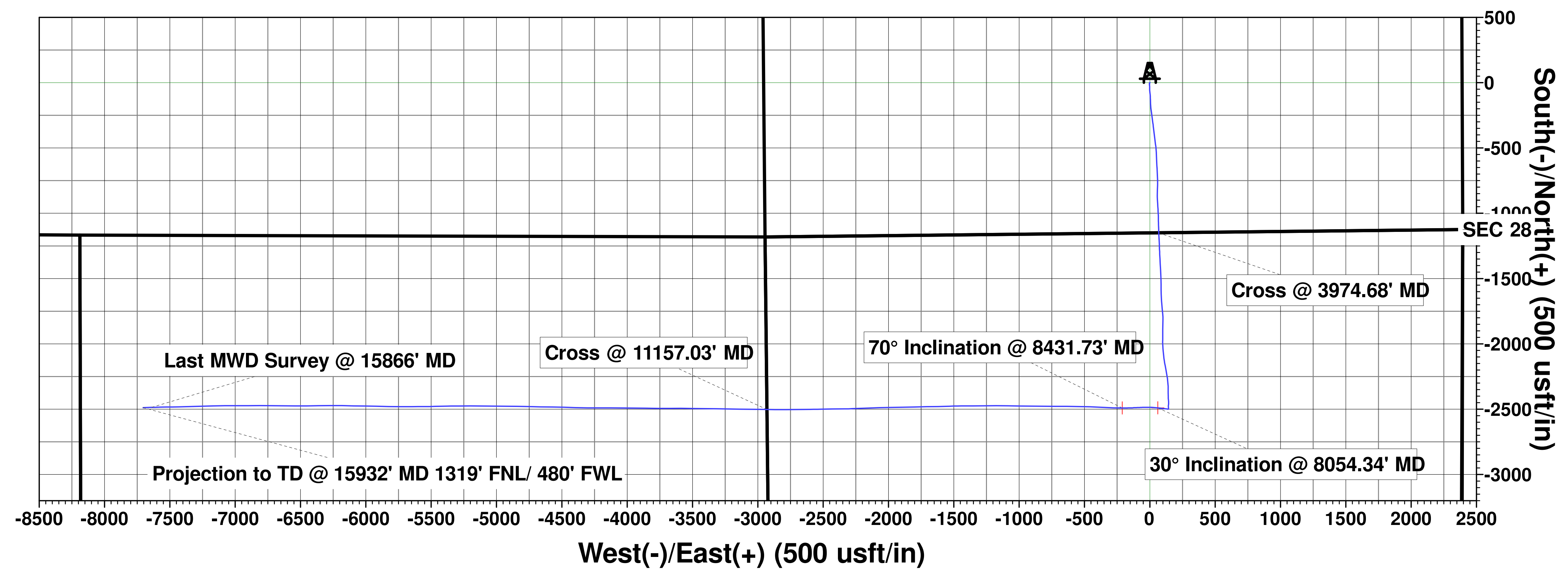
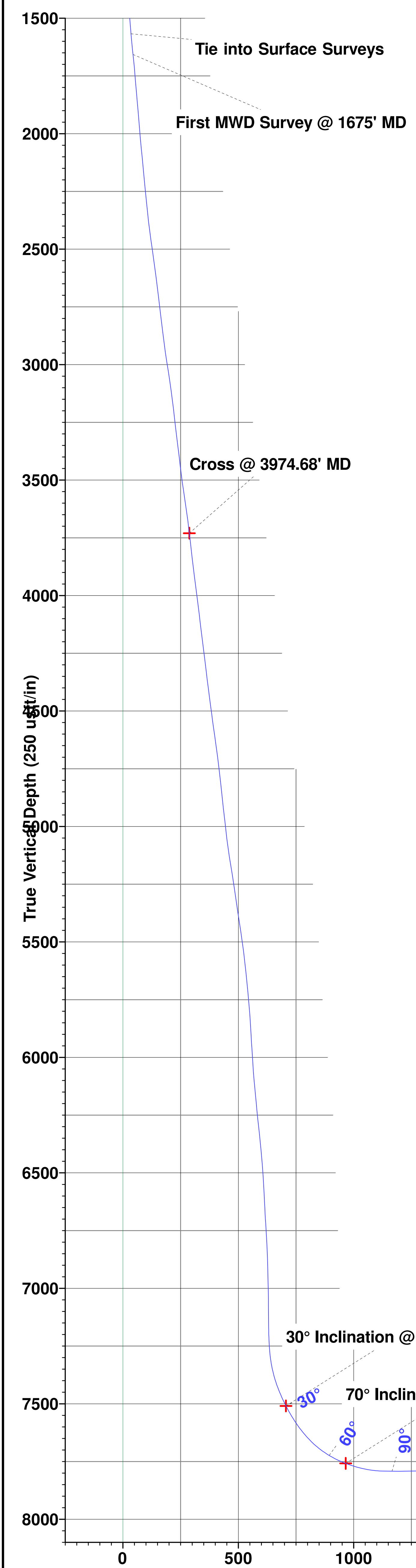


WELL DETAILS: Coyote Trails 33W-15-5N
 Ground Elevation: 5274.00
 RKB Elevation: KB @ 5302.00usft (Ensign 147)
 Rig Name: Ensign 147

Northing	Easting	Latitude	Longitude
1249778.62	3137909.99	40.017978	-105.007602

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation	
1580.30	17.27	177.53	1567.64	-128.37	4.60	35.07	131.61	Tie into Surface Surveys	
1675.00	21.96	177.93	1656.82	-160.12	5.84	43.64	163.39	First MWD Survey @ 1675' MD	
3974.68	24.48	177.01	3730.10	-1150.00	68.75	287.92	1156.32	Cross @ 3974.68' MD	
8054.34	30.00	278.75	7509.28	-2489.40	61.21	706.63	2594.08	30° Incline @ 8054.34' MD	
8431.73	70.00	270.16	7758.19	-2490.34	-210.57	965.55	2866.48	70° Incline @ 8431.73' MD	
11157.03	89.68	271.04	7789.99	-2501.77	-2931.00	3557.90	5587.20	Cross @ 11157.03' MD	
15866.00	91.87	268.35	7797.53	-2485.80	-7638.93	8033.19	10295.76	Last MWD Survey @ 15866' MD	
15932.00	91.87	268.35	7795.38	-2487.70	-7704.87	8096.52	10361.72	Projection to TD @ 15932' MD 1319' FNL/ 480' FWL	

SHL/ 1150' FSL & 2391' FEL
 LP/ 1324' FNL & 2479' FWL
 BHL/ 1323' FNL & 460' FWL
 Ground Elevation 5274'



Vertical Section at 252.11° (250 usft/in)

Mazimuths to True North
 Magnetic North: 8.09°

Magnetic Field
 Strength: 51897.6nT
 Dip Angle: 66.46°
 Date: 6/13/2019
 Model: IGRF2015