

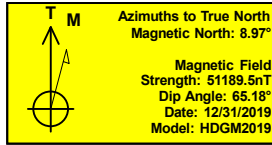
Project: Mesa County, CO  
 Site: BCU 14L Pad  
 Well: Laramie BCU 0993-14-10E  
 Wellbore: OH  
 Design: Design #1  
 Latitude: 39.272718  
 Longitude: -107.744688  
 Ground Level: 7394.0  
 RKB @ 7418.0usft (Ensign 157)

PROJECT DETAILS: Mesa County, CO  
 Geodetic System: US State Plane 1983  
 Datum: North American Datum 1983  
 Ellipsoid: GRS 1980  
 Zone: Colorado Central Zone  
 System Datum: Mean Sea Level

REFERENCE INFORMATION  
 Vertical (TVD) Reference: RKB @ 7418.0usft (Ensign 157)  
 Section (VS) Reference: Slot - A-2(0.0N, 0.0E)  
 Measured Depth Reference: RKB @ 7418.0usft (Ensign 157)  
 Calculation Method: Minimum Curvature

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2633.8	2965.9	Wasatch 'G' Sand
3221.8	3698.8	Fort Union
3755.8	4364.3	Lower Wasatch
4645.8	5473.6	Ohio Creek
5134.8	6052.6	Williams Fork
6113.8	7064.2	TOG
6916.8	7867.2	Cameo
7644.8	8595.2	Base Cameo Coal
7663.8	8614.2	Rollins

SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
315.0	0.00	0.00	315.0	0.0	0.0	0.00	0.00	0.0	
1780.8	36.64	77.98	1682.9	94.3	443.0	2.50	77.98	453.0	
5598.6	36.64	77.98	4746.1	568.8	2671.8	0.00	0.00	2731.6	
7064.4	0.00	0.00	6114.0	663.1	3114.8	2.50	180.00	3184.6	
8614.4	0.00	0.00	7864.0	663.1	3114.8	0.00	0.00	3184.6	



DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
BHL - 14-10E	7864.0	663.1	3114.8	1532657.33	2367733.45	39.274538

WELL DETAILS: Laramie BCU 0993-14-10E						
Ground Level : 7394.0						
+N/-S	+E/-W	Ground Level	Northing	Easting	Latitude	Longitude
0.0	0.0	7394.0	1532071.42	2364603.20	39.272718	-107.744688

