

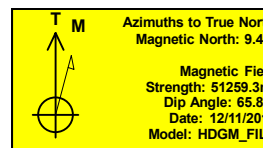
Project: Garfield County, CO
 Site: NPM M33 496 Pad
 Well: BJU M33 FED 14D-33 496
 Wellbore: Wellbore #1
 Design: Design #1
 Latitude: 39.653415
 Longitude: -108.177833
 Ground Level: 8401.0
 RKB @ 8431.0usft (H&P #329)

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2390.0	2390.0	Wasatch
5390.0	5410.2	Wasatch G
5629.0	5652.1	Fort Union
7458.0	7500.6	Ohio Creek
7709.0	7751.6	TOG
7709.0	7751.6	Williams Fork
10313.0	10356.6	Cameo
10938.0	10981.9	Rollins

REFERENCE INFORMATION	
Co-ordinate (N/E) Reference:	Well BJU M33 FED 14D-33 496 - Slot BJU M33 FED 14D-33 496, True North
Vertical (TVD) Reference:	RKB @ 8431.0usft (H&P #329)
Section (VS) Reference:	Slot - BJU M33 FED 14D-33 496(0.0N, 0.0E)
Measured Depth Reference:	RKB @ 8431.0usft (H&P #329)
Calculation Method:	Minimum Curvature

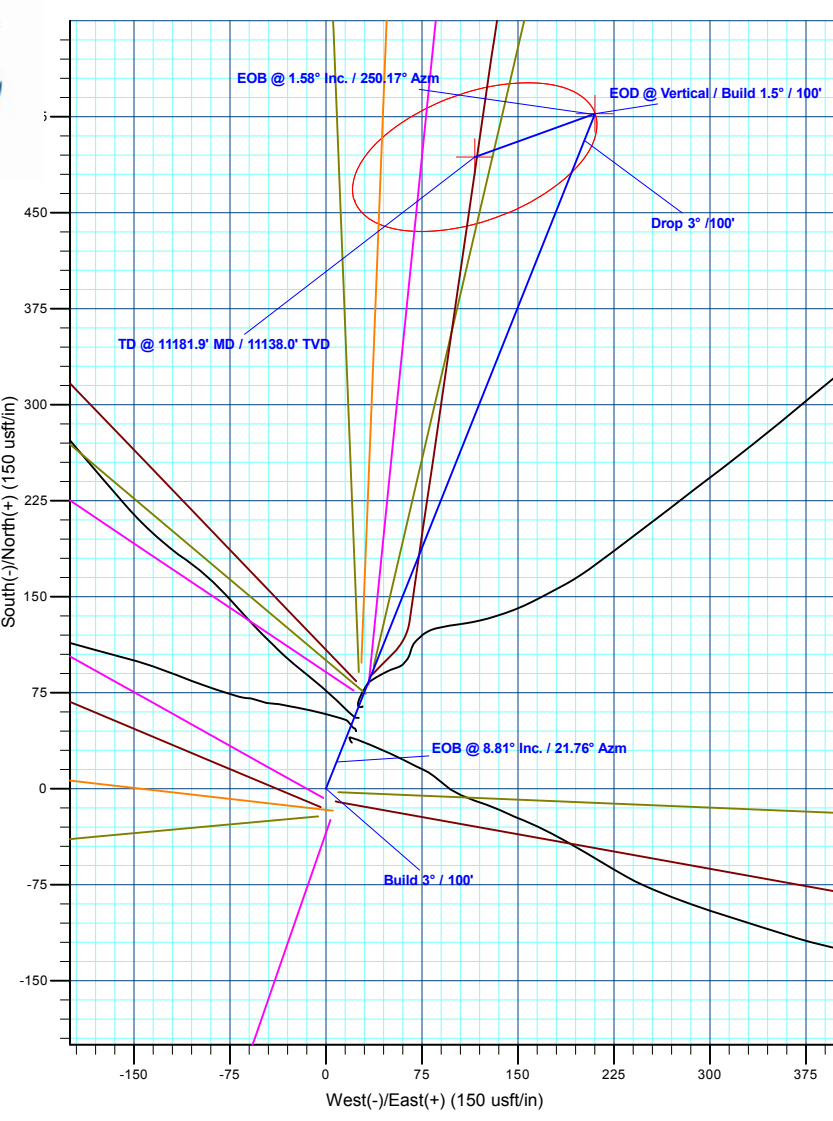
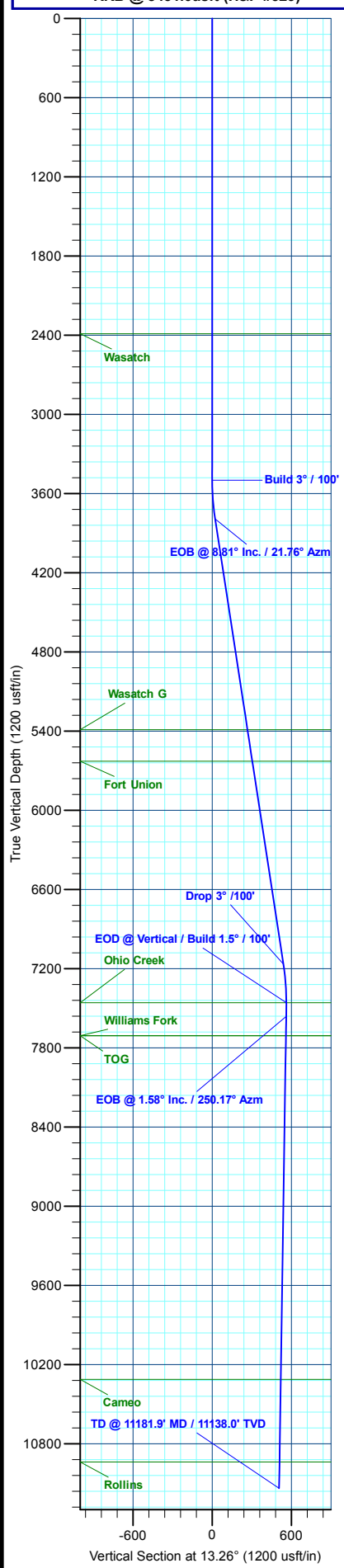
WELL DETAILS: BJU M33 FED 14D-33 496					
			8401.0		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	14412335.60	2434829.40	39.653415	-108.177833

PROJECT DETAILS: Garfield County, CO	
Geodetic System:	Universal Transverse Mercator (US Survey Feet)
Datum:	NAD 1927 - Western US
Ellipsoid:	Clarke 1866
Zone:	Zone 12N (114 W to 108 W)
System Datum:	Mean Sea Level



DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
OHCR - BJU M33 FED 14D-33 496	7458.0	527.4	210.2	14412869.38	2435022.95	39.654863	-108.177087
PBHL - BJU M33 FED 14D-33 496	11138.0	493.5	116.3	14412832.50	2434930.10	39.654770	-108.177420

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		
3500.0	0.00	0.00	3500.0	0.0	0.0	0.00	0.00	0.0	Build 3° / 100'	
3793.6	8.81	21.73	3792.5	20.9	8.3	3.00	21.73	22.3	EOB @ 8.81° Inc. / 21.76° Azm	
7206.9	8.81	21.73	7165.5	506.5	201.9	0.00	0.00	539.3	Drop 3° / 100'	
7500.6	0.00	0.00	7458.0	527.4	210.2	3.00	180.00	561.6	EOD @ Vertical / Build 1.5° / 100'	
7605.8	1.58	250.14	7563.2	526.9	208.9	1.50	250.14	560.8	EOB @ 1.58° Inc. / 250.17° Azm	
11181.9	1.58	250.14	11138.0	493.5	116.3	0.00	0.00	507.0	TD @ 11181.9' MD / 11138.0' TVD	



Plan: Design #1 (BJU M33 FED 14D-33 496/Wellbore #1)
 Created By: Will Jircik Date: 14:50, December 16 2019