



Project: Rio Blanco County, CO  
Site: Sec 22 (Wiley 22-3-97 J Pad)  
Well: BHR J22-397  
Wellbore: BHR Fed J22-15-397-2RH  
Design: Design #4  
Latitude: 40° 12' 43.031 N  
Longitude: 108° 15' 34.596 W  
Ground Level: 5889.0  
RKB @ 5913.5usft



PROJECT DETAILS: Rio Blanco County, CO

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Colorado Northern Zone  
System Datum: Mean Sea Level

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well BHR J22-397, True North  
Vertical (TVD) Reference: RKB @ 5913.5usft  
Section (VS) Reference: Slot - (0.0N, 0.0E)  
Measured Depth Reference: RKB @ 5913.5usft  
Calculation Method: Minimum Curvature

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1151.5	1151.5	Mesaverde
4656.2	4691.2	Rollins
5888.1	6001.0	Sego-Lower
6306.5	6431.7	Castlegate
7623.0	7820.3	Manco - Marker 6 - Condensed Section
8913.5	9178.4	Buck Peak
9365.3	9642.2	Tow Creek
9743.5	10027.4	Wolf Mtn
10099.3	10468.6	Hot Wolf Mtn - Rangely Bench
10137.3	10534.9	Top Target
10167.1	10594.4	Target Middle Line
10198.4	10669.3	Base Target

DESIGN TARGET DETAILS

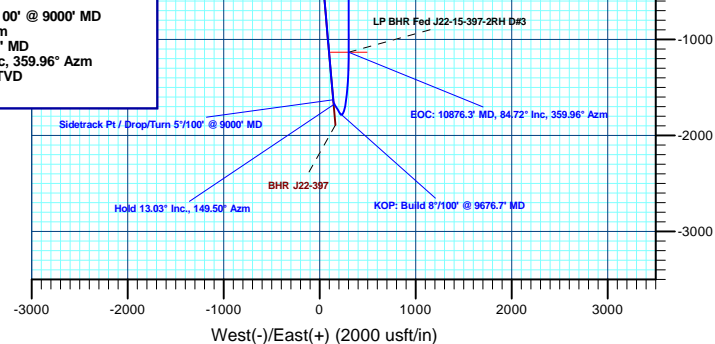
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
LP BHR Fed J22-15-397-2RH D#3	10246.5	-1132.8	302.8	1330906.57	2229679.93	40° 12' 31.836 N	108° 15' 30.694 W
PBHL BHR Fed J22-15-397-2RH D#3	11111.5	8230.5	296.7	1340265.51	2229965.21	40° 14' 4.367 N	108° 15' 30.770 W

WELL DETAILS: BHR Fed J22-15-397-2RH

+N/-S	+E/-W	Northing	Ground Level: Easting	Latitude	Longitude
0.0	0.0	1332048.26	5889.0 2229412.56	40° 12' 43.031 N	108° 15' 34.596 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation
9000.0	18.53	175.00	8741.6	-1627.7	142.4	0.00	0.00	-1621.5	Sidetrack Pt / Drop/Turn 5°/100' @ 9000' MD
9174.6	13.03	149.50	8909.8	-1672.4	154.8	5.00	-140.24	-1665.7	Hold 13.03° Inc., 149.50° Azm
9676.7	13.03	149.50	9398.9	-1769.9	212.3	0.00	0.00	-1761.1	KOP: Build 8°/100' @ 9676.7° MD
10876.3	84.72	359.96	10246.5	-1132.8	302.8	8.00	-149.50	-1121.2	EOC: 10876.3° MD, 84.72° Inc, 359.96° Azm
20279.4	84.72	359.96	11111.5	8230.5	296.7	0.00	0.00	8235.8	TD @ 20279.4° MD/11111.5° TVD



BHR J22-397

Design Name: Design #4  
Created By: Shelly C. Peterkin  
Date: 9:48, January 27 2017

