



Project: Mesa County, CO
Site: Bruton 30-01 Pad
Well: Bruton 19-18E
Wellbore: Wellbore #1
Design: Design #2
Latitude: 39.255247
Longitude: -107.806189
Ground Level: 7425.0
well @ 7449.0usft (H&P #290)



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

Co-ordinate (N/E) Reference: Well Bruton 19-18E, True North
Vertical (TVD) Reference: well @ 7449.0usft (H&P #290)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: well @ 7449.0usft (H&P #290)
Calculation Method: Minimum Curvature

WELL DETAILS: Bruton 19-18E

+N/-S	+E/-W	Northing	Ground Level: 7425.0	Latitude	Longitude
0.0	0.0	1526146.33	2347036.51	39.255247	-107.806189

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

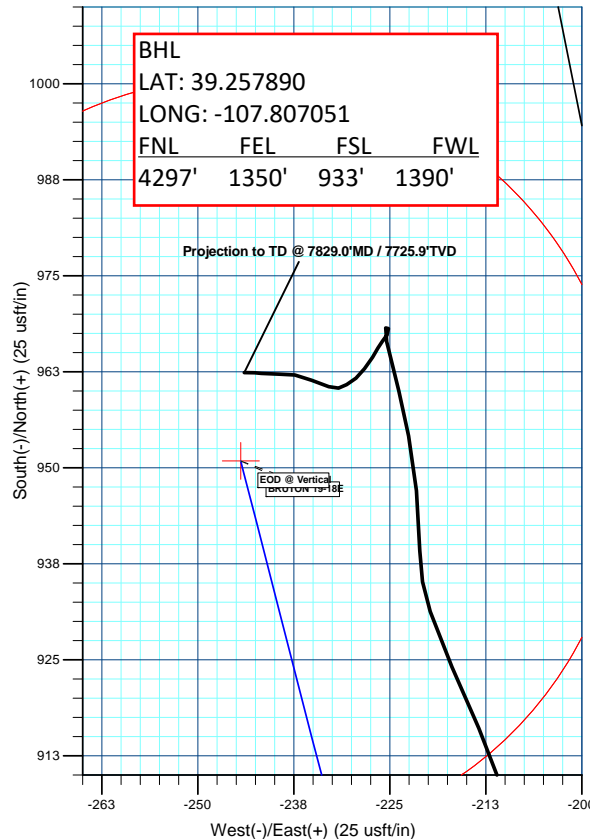
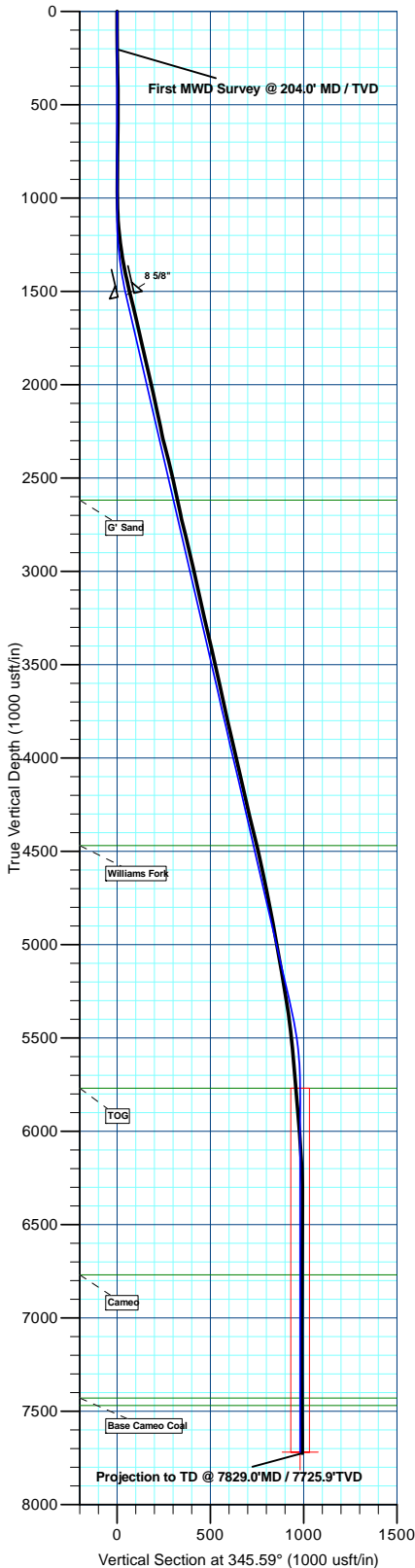
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BRUTON 19-18E	7719.0	950.9	-244.4	1527103.13	2346816.33	39.257858	-107.807052

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	
1094.0	0.00	0.00	1094.0	0.0	0.0	0.00	0.00	0.0	KOP (Build 3° / 100')
1528.7	13.04	345.59	1525.0	47.7	-12.3	3.00	345.59	49.3	EOB @ 13.06° Inc. / 345.61° Azm
5442.7	13.04	345.59	5338.0	903.2	-232.1	0.00	0.00	932.5	Drop 3° / 100'
5877.5	0.00	0.00	5769.0	950.9	-244.4	3.00	180.00	981.8	EOD @ Vertical
7827.5	0.00	0.00	7719.0	950.9	-244.4	0.00	0.00	981.8	TD @ 7828' MD / 7719' TVD

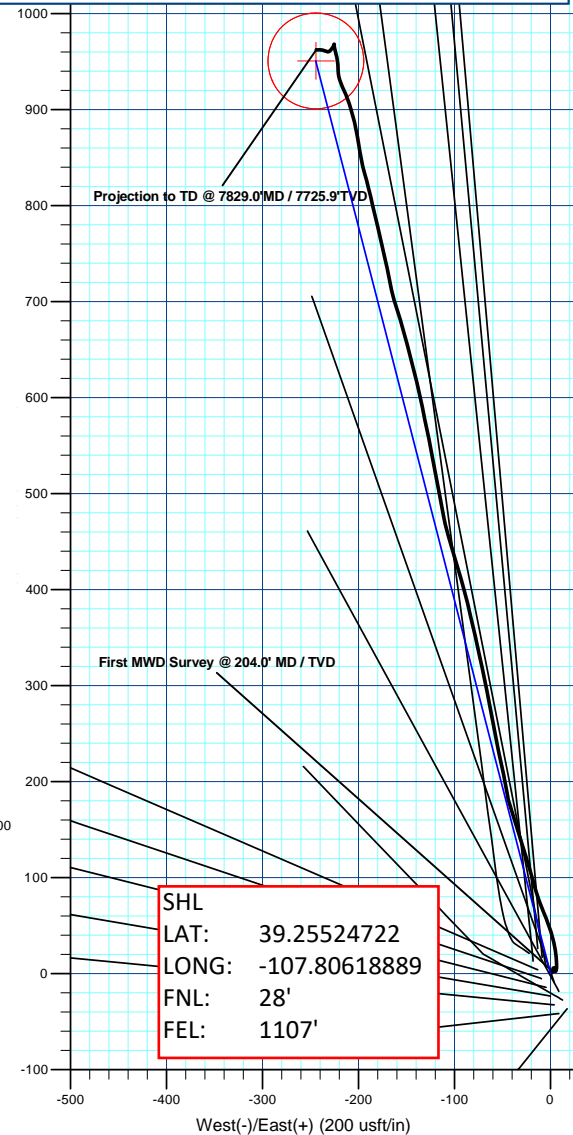
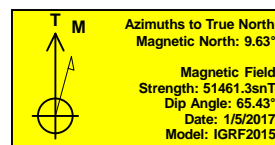
ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
204.0	1.80	50.50	204.0	2.0	2.5	1.4	3.2	First MWD Survey @ 204.0' MD / TVD
7829.0	1.40	271.60	7725.9	962.4	-243.9	992.9	1038.1	Projection to TD @ 7829.0' MD / 7725.9' TVD



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2619.0	2651.7	G' Sand
4469.0	4550.7	Williams Fork
5769.0	5877.5	TOG
6769.0	6877.5	Cameo
7429.0	7537.5	Base Cameo Coal
7469.0	7577.5	Rollins



Plan: Design #2 (Bruton 19-18E/Wellbore #1)

Created By: Will Jircik Date: 23:00, July 06 2017