

Nichols 0994-24-15E
Mesa County, CO
Q180400 & RM-180344
Design #2



Company Name: Laramie Energy, LLC
Nichols 0994-24-15E
Mesa County, CO
Rig: H&P #290
Created By: Will Jircik
Date: 4/04/2018



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

FORMATION TOP DETAILS		
TVDPATH	MDPath	Formation
2441.0	2560.8	G' Sand
4191.0	4455.8	Williams Fork
5591.0	5930.3	TOG
6491.0	6830.3	Cameo
7151.0	7490.3	Base Cameo Coal
7191.0	7530.3	Rollins

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Azimuths to True North

Magnetic North: 9.44°

Strength: 51309.9snT

Dip Angle: 65.40°

Date: 3/28/2017

Model: USER DEFINED

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL - Nichols 0994-24-15E	7441.0	-1141.4	1392.5	1528081.85	2341497.63	39.260172	-107.825918
						Shape	Circle (Radius: 50.0)

DESIGN ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation	
494.0	0.00	0.00	494.0	0.0	0.0	0.0	0.0	KOP (Build 3° / 100')	
1245.8	22.55	129.34	1226.5	-92.6	113.0	146.1	146.1	EOB 22.55° Inc / 129.34° Azm	
5178.5	22.55	129.34	4858.5	-1048.8	1279.5	1654.5	1654.5	Drop 3° / 100'	
5930.3	0.00	0.00	5591.0	-1141.4	1392.5	1800.5	1800.5	EOB @ Vertical	
7780.3	0.00	0.00	7441.0	-1141.4	1392.5	1800.5	1800.5	TD @ 7786.3' MD / 7447.0' TVD	

ANNOTATIONS							
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure
330.0	2.20	108.10	329.9	-2.0	6.0	5.9	6.3
7759.0	2.29	212.20	7441.2	-1155.1	1399.1	1814.3	1851.6
First MWD Survey @ 330.0' MD / 329.9' TVD							
Projection to TD @ 7759.0' MD / 7441.2' TVD							

WELL DETAILS: Nichols 0994-24-15E					
+N/-S	+E/-W	Northing	Ground Level:	7212.0	Longitude
0.0	0.0	1529258.60	Easting	2340134.86	-107.830836
			Latitude	39.263306	

