

Nichols 0994-24-03E  
Mesa County, CO  
Q171635 & RM-171385  
Design #2

Company Name: Laramie Energy, LLC  
Nichols 0994-24-03E  
Mesa County, CO  
Rig: H&P #290  
Created By: Will Jircik  
Date: 1/1/2018

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

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M

Azimuths to True North

Magnetic North: 9.54°

Strength: 51358.2snT

Dip Angle: 65.42°

Date: 12/24/2017

Model: IGRF2015



WELL DETAILS: Nichols 0994-24-03E						
+N/-S	+E/-W	Northing	Ground Level: Easting	7137.0	Latitude	Longitude
0.0	0.0	1529743.09	2340222.92		39.264642	-107.830569

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2456.0	2581.4	G' Sand
4206.0	4476.6	Williams Fork
5606.0	5951.3	TOG
6506.0	6851.3	Cameo
7166.0	7511.3	Base Cameo Coal
7206.0	7551.3	Rollins

DESIGN #2 ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation	
444.0	0.00	0.00	444.0	0.0	0.0	0.0	0.0	KOP (Build 3° / 100')	
1196.5	22.57	45.88	1177.2	101.9	105.1	146.3	146.3	EOB @ 22.57° Inc. / 45.88° Azm	
5198.8	22.57	45.88	4872.8	1171.5	1208.0	1682.8	1682.8	Drop 3° / 100'	
5951.3	0.00	0.00	5606.0	1273.4	1313.1	1829.1	1829.1	EOD @ Vertical	
7801.3	0.00	0.00	7456.0	1273.4	1313.1	1829.1	1829.1	TD @ 7801.3' MD / 7456.0' TVD	

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation	
201.0	2.20	76.20	201.0	0.9	3.7	3.3	3.9	First MWD Survey @ 201.0' MD / 201.0' TVD	
7778.0	1.58	231.47	7456.8	1264.0	1310.5	1820.7	1851.7	Projection to TD @ 7778.0' MD / 7456.8' TVD	

DESIGN TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL - Nichols 0994-24-03E	456.0	1273.4	1313.1	1530982.35	2341568.23	39.268138	-107.825931	Circle (Radius: 50.0)

