

Nichols 0994-24-12W
Mesa County, CO
Q180327 & RM-180286
Design #2

Company Name: Laramie Energy, LLC
Nichols 0994-24-12W
Mesa County, CO
Rig: H&P #290
Created By: Will Jircik
Date: 3/17/2018



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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Azimuths to True North

Magnetic North: 9.45°

Strength: 51314.5snT

Dip Angle: 65.40°

Date: 3/14/2018

Model: USER DEFINED



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2376.0	2451.9	G' Sand
4126.0	4291.4	Williams Fork
5526.0	5742.6	TOG
6426.0	6642.6	Cameo
7086.0	7302.6	Base Cameo Coal
7126.0	7342.6	Rollins

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL - Nichols 0994-24-12W	7376.0	-619.8	-1293.7	1528687.30	2338817.33	39.261645	-107.835436
						Shape	Circle (Radius: 50.0)

DESIGN #2 ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation	
494.0	0.00	0.00	494.0	0.0	0.0	0.0	0.0	KOP (Build 3" / 100')	
1092.2	17.95	244.40	1082.5	-40.2	-83.8	92.9	92.9	EOB @ 17.95" Inc. / 244.40° Azm	
5144.4	17.95	244.40	4937.5	-579.7	-1209.9	1341.6	1341.6	Drop 3" / 100'	
5742.6	0.00	0.00	5526.0	-619.8	-1293.7	1434.5	1434.5	EOB @ Vertical	
7592.6	0.00	0.00	7376.0	-619.8	-1293.7	1434.5	1434.5	TD @ 7592.6' MD / 7376.0' TVD	

WELL DETAILS: Nichols 0994-24-12W				
+N/-S	+E/-W	Northing	Ground Level: Easting	7212.0 Latitude
0.0	0.0	1529273.76	2340126.47	39.263347
			Longitude	
			-107.830867	

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation	
250.0	3.70	302.00	249.8	4.3	-6.8	4.3	8.1	First MWD Survey @ 250.0' MD / 249.8' TVD	
7554.0	2.50	230.76	7356.4	-637.7	-1299.8	1447.7	1466.8	Projection to TD @ 7554.0' MD / 7356.4' TVD	

