

Nichols 0994-24-05E
Mesa County, CO
Q171561 & RM-171332
Design #3

Company Name: Laramie Energy, LLC
Nichols 0994-24-05E
Mesa County, CO
Rig: H&P #290
Created By: Will Jircik
Date: 12/21/2017

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: 9.55°

Strength: 51364.2snT
Dip Angle: 65.42°
Date: 12/4/2017
Model: IGRF2015



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2443.0	2532.1	G' Sand
4193.0	4384.5	Williams Fork
5593.0	5841.5	TOG
6493.0	6741.5	Cameo
7153.0	7401.5	Base Cameo Coal
7193.0	7441.5	Rollins

WELL DETAILS: Nichols 0994-24-05E					
+N/-S	+E/-W	Northing	Ground Level: Easting	7137.0 Latitude	Longitude
0.0	0.0	1529729.06	2340216.04	39.264603	-107.830592

DESIGN #3 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	KOP (Build 3° / 100')
1131.8	19.13	58.66	1120.0	54.9	90.1	105.5	EOB @ 19.13° Inc. / 58.66° Azm
5203.7	19.13	58.66	4967.0	749.0	1230.1	1440.2	Drop 3° / 100'
5841.5	0.00	0.00	5593.0	803.9	1320.2	1545.7	EOD @ Vertical
7691.5	0.00	0.00	7443.0	803.9	1320.2	1545.7	TD @ 7691.5' MD / 7443.0' TVD

ANNOTATIONS						
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSecDeparture
415.0	2.00	95.80	414.9	-0.7	7.2	5.8
7682.0	0.70	161.30	7443.0	817.3	1325.1	1556.8

Annotation						
First MWD Survey @ 415.0' MD / 414.9' TVD						
Projection to TD @ 7682.0' MD / 7443.0' TVD						

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL - Nichols 0994-24-05E	443.0	803.9	1320.2	1530498.82	2341556.41	39.266810	-107.825929

Shape	
Circle (Radius: 50.0)	

