

Company Name: Laramie Energy, LLC
Sup & Shep 0993-25-19W
Mesa County, CO
Rig: H&P #522
Created By: Will Jircik
Date: 21:28, January 19 2019

Sup & Shep 0993-25-19W
Mesa County, CO
Q190095 & RM-190089
Design #3

DESIGN ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.0	KOP (Build 3° / 100')	
834.3	19.03	183.00	822.7	-104.2	-5.5	103.9	104.4	EOB @ 19.03° Inc. / 183.00° Azm	
2834.3	19.03	183.00	2713.4	-755.5	-39.6	752.9	756.5	Build 3° / 100'	
2932.0	19.02	191.99	2805.7	-786.9	-43.7	784.6	788.3	EOB @ 19.02° Inc. / 191.99° Azm	
6533.4	19.02	191.99	6210.6	-1935.0	-287.6	1956.3	1962.0	Drop 3° / 100'	
7167.4	0.00	0.00	6833.0	-2037.0	-309.3	2066.4	2066.3	EOD @ Vertical	
8917.4	0.00	0.00	8583.0	-2037.0	-309.3	2066.4	2066.3	TD @ 8917.4' MD / 8583.0' TVD	

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	

DESIGN TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL - Sup & Shep 0993-25-19W	8583.0	-2037.0	-309.3	1519754.52	2370070.80	39.239280	-107.724315	Circle (Radius: 50.0)

WELL DETAILS: Sup & Shep 0993-25-19W					
			GL: 8078.0		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1521783.38	2370429.84	39.244873	-107.723223

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
3283.0	3436.8	G Sand
5233.0	5499.4	Ohio Creek
5583.0	5869.6	Williams Fork
6833.0	7167.4	TOG
7633.0	7967.4	Cameo
8313.0	8647.4	Base Cameo Coal
8333.0	8667.4	Rollins

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M

Azimuths to True North

Magnetic North: 9.32°

Strength: 51223.1snT

Dip Angle: 65.37°

Date: 1/16/2019

Model: USER DEFINED

