

Emerald 6-34
 API 05-075-08097
 NWNE SEC. 34 T9N R54W 6PM

Existing Completion

Elev 4,335'

Proposed P&A

TOC

Shoe at 98'
 8 5/8" Surface casing
 12 1/4" hole size
 70 sacks cement

Perfs at 300' – cement to surface inside casing and behind pipe, 80 total sacks
 35 sacks casing plug
 45 sacks annulus

Perfs at 800'
 12 sacks casing plug
 30 sacks annulus

Perfs at 2,100'
 12 sacks casing plug
 30 sacks annulus

Formation Tops (from ECMC):

Formation	Log Top
NIOBRARA	4329
CARLILE	4670
BENTONITE	5023
D SAND	5117
J SAND	5231
SKULL CREEK	5283

Offset Static Water Level Depths (From SEO)	Permit Number
273'	273341
330'	113822
27'	11706

*Offset groundwater depths include all depths reported for groundwater wells within a 1-mile radius and are assumed in feet below ground surface. Data is from the Colorado State Engineer's Office's database

Entrada calc. top of cement ~4100'

Top of Niobrara 4,329'

Bridge plug at 5,067' + 25' cement
 (this plug can be replaced with an additional 30 sacks on top of the deepest plug)

Bridge plug at 5,192' + 25' cement

Completed interval: 5,242' – 5,247'

TD = 5,329' MD
 5 1/2" Production casing
 7 7/8" hole size
 185 sacks of cement

NOT DRAWN TO SCALE

Measured depths displayed, TVD unknown

Drafted By: BFB
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Proposed P&A Wellbore Diagram
Western Operating Company

 Proposed Cement
 Existing Cement



Figure 1