

## Drilling and completions plan summary/directional plan

SWEPI LP

Deal Gulch 2-16

Section 16, T5N – R90W

Moffat County, CO

Deal Gulch 2-16 is planned as a 2-string design with surface and production casing only. Production casing will be run with a stage tool and packer such that production casing shallower than Tow Creek Bench will be cemented to 4630', and production casing below Tow Creek Bench will be slotted or perforated for production.

The surface hole will be 13-1/2" with a 10-3/4" casing string cemented from the bottom to the surface.

The production hole section will be drilled below surface casing with a 7-7/8" hole size. Production casing will be 5-1/2" 17# N-80 Hydril 511 casing hung off from surface. Depths of casing strings are detailed on in point 4. All casing will be new, range 3 casing.

Casing across the Niobrara objective interval will be pre-slotted or pre-perforated. As a contingency, if drilling with casing is used, production casing will be perforated once landed in the well.

Should intermediate casing be required, the intermediate hole will be 9-7/8" with a 7-5/8" 29" P-110 casing. Intermediate casing is a *contingency* pending borehole conditions and subsurface evaluation subsequent to drilling nearby Deal Gulch 1-16 well. If intermediate casing is used, it will be cemented to 4630'. Production casing would then be run as a slotted liner only, with no cementing.

Artificial lift will consist of a sucker rod and pump jack system. The tubing will be run and anchored above the producing interval. The sucker rods will be run with the pump set near the end of the tubing. All tubing and sucker rod equipment will be run with a BOP package and a kill weight completion fluid system. The well will be initially swabbed for fluid clean up and flow testing. Frac'ing or additional reservoir stimulation methods are not anticipated to be necessary.