

**Well Completion Diagram - Planned Post P&A Re-Abandonment**

API Well No. 05-013-06025

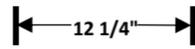
Original Operator: Winter Hawk Ltd. Well Name: Lewis #9-1

Boulder Field, Boulder County, Colorado

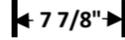
Coordinates: 2310' FEL 2310'' FSL NWNWSE Sec. 9-T1N-R70W 6th PM

25-Mar-21

**Bore Diameters**



Original P&A (5/18/1979)



After Re-Abandonment

10 sks Cmt at Surface  
 Surface Csg Cmt w/ 200 sks  
 Cement Bottom 210'  
 5 sks Cmt at Shoe  
 8 5/8" Surface casing @ 210'

Casing cut off 10' below ground level  
 Cement at Surface in 8 5/8" Csg

Lewis 9-1 was spud on 4/14/79 and drilled to a depth of 3850' with casing set at 3837' and cemented with 100 sks. Well was then drilled to 4010' to test the Niobrara open hole. No shows were encountered. A 15 sk plug was set from 2100' - 2200'. Well was perforated from 2064' - 2090'. No shows encountered. Well was then plugged and abandoned 5/18/1979. Note: P&A report did not mention cement in 8 5/8" casing, however plugging instructions called for 10 sks at surface. Visual evidence of cement in 8 5/8" csg.

15 sks @ 1960' - 2060'  
 Csg Cut Off @ 2060'  
 4 1/2" Csg Perfs 2064' - 2090'  
 15 sks @ 2200' - 2100'

Cement top 3400' (calculated)

15 SkS @ 3850' - 3750'  
 4 1/2" 9.5# @ 3837'  
 Cmt w/ 100 sks

TD = 4810' (Open Hole)

