



355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 8, 1987

TO: John Whitehead, Permit Supervisor  
FROM: Richard V. Smith, Geologist **RVS**  
RE: Response to USFS Subsidence Concerns, Five-Year Renewal/New Lands Permit, Plateau Mining Company, Star Point Mines, ACT/007/006, Folder #2, Carbon County, Utah

Synopsis of Proposed Mining

Longwall mining in the Wattis Seam is proposed to occur from 500 to 1,300 feet east (Map 6) of Wild Cattle Hollow at depths ranging from 1,200 to 1,400 feet (Map 23). Utilizing an angle-of-draw value of 22.5 percent, indicates the maximum lateral extent of surface subsidence will occur within 400 feet of the longwall panel location. Accordingly, surface subsidence will, at worst case, occur from 100 to 900 feet east of the stream occupying Wild Cattle Hollow.

Conclusion

The approved PAP has adequately demonstrated, on the basis of overburden thickness and a site-specific angle-of-draw, that there is a low potential for mining induced subsidence to occur beneath the drainage.

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