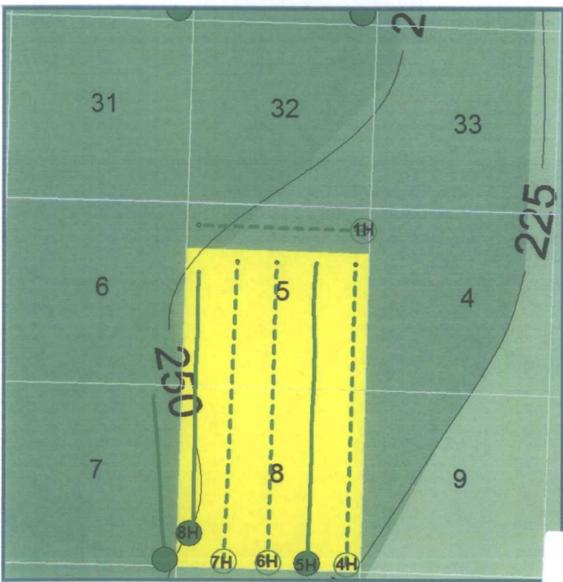
Upper Avalon pay map (thickness in feet)



>8% DPHI >85 API GR

BEFORE THE OIL CONVERSATION
COMMISSION
Santa Fe, New Mexico
Exhibit No. 15
Submitted by: COG OPERAING LLC
Hearing Date: June 19, 2014