## Conclusions from Modeling

A hydraulic fracture propagating within a geologic unit is specified depth (in this case, 5000 ft). capable of crossing arbitrary "boundaries" based on a

the 5,000 ft boundary line represents a potential impairment of by a hydraulic fracture; therefore, fracture penetration below Hydrocarbons can be withdrawn from reservoir rock contacted under-lying lease-hold rights.

COP Exhibit No. 16 OCD Case Nos. 14558 / 14577 June 28, 2011

