

Process Workflow

- Used openhole logging data from the Grayburg Deep #10 to develop a geomechanical model for use in a hydraulic fracturing simulator.
- Performed fracture simulations to explore fracture height growth characteristics in the Yeso formation.
- The simulation was based on COG designs in the West Maljamar Field.
 - Injection rate: 80 bpm
 - Fluids: 116,000 gal of 25 lb/Mgal borate-crosslinked gel
 - Proppant: 167,000 lbs of 16/30 proppant.
 - Perforations: 200 ft gross interval (4580–4780 ft)

1-11-06
M. J. Maljamar

COP Exhibit No. 13

OCD Case Nos. 14558 / 14577

June 28, 2011