



United States Department of the Interior

NATIONAL PARK SERVICE

Padre Island National Seashore
9405 South Padre Island Drive
Corpus Christi, Texas 78418

IN REPLY REFER TO:

L3025

October 15, 1998

Mr. Stephen A. Lipari
Enron Oil and Gas Company
539 N. Carancahua, Suite 800
Corpus Christi, Texas 78401

Dear Mr. Lipari:

I was able to get a quick review of the planned procedure for working over the South Sprint Well #1. The National Park Service Petroleum Engineer provided me with the following comments regarding your proposed procedure.

- Enron shall take precautions to prevent oil, brine, chemicals, and other materials from reaching the ground during well recompletion operations. Precautions will include use of plastic liners (or other suitable secondary containment) beneath the workover rig, pipe racks, fuel and lube oil containers and other equipment as necessary. All workover and wellbore fluids and solids shall be collected in metal tanks and disposed outside Padre Island National Seashore. Provisions shall be made for handling rig wash and wash from cementing equipment so as not to contaminate soils.

- According to the proposal, Enron plans to leave squeezed perforations above the production packer. These perforations have the potential for leaking gas and exposing the production casing pressure. With gas, the pressure at the surface could equal the formation pressure from where the gas leaked. Enron does plan to perform positive pressure tests on the squeezed perforations. To determine if the squeezes will hold under future pressure conditions, they would also have to perform a negative pressure test (lower pressure in the well below the formation pressure). From an engineering point, I would probably forgo the negative pressure testing and look at a completion with a second packer set above the squeezed perforations to isolate formations from the tubing/casing annulus.

If you have any questions, telephone me at 512-949-8173, extension 224.

Sincerely,

Paul H. Eubank

