



December 22, 2010

**VIA HAND-DELIVERY**

Mr. Mark E. Fesmire  
Oil Conservation Division  
New Mexico Department of Energy,  
Minerals and Natural Resources  
1220 South Saint Francis Drive  
Santa Fe, New Mexico 87505

RECEIVED  
2010 DEC 22 P 1:41

Re: Case No. 14329/Order No. R-13201: Application of Anadarko Petroleum Corporation for Approval of an Acid Gas Injection Well, San Juan County, New Mexico.

Dear Mr. Fesmire:

Anadarko Petroleum Corporation ("Anadarko") requests an amendment of Order No. R-13201 which was issued in Case No. 14329 granting Anadarko's application to inject acid gas into the Entrada formation through its Pathfinder AGI Well No. 1 located in Section 1, Township 29 North, Range 15 West, NMPM, San Juan County, New Mexico. Ordering Paragraph 22 of Order No. R-13201 allows the Division Director to amend the order administratively after proper notice and in the absence of protest. Anadarko requests the following amendments to the order:

1. Authorized Injection Zone (Page 4, paragraph 1): The order currently authorizes "disposal into the Entrada formation at a depth of 6,500 feet to 6,700 feet below the surface, through 2 7/8-inch tubing set in a packer located approximately 6,480 feet below the surface." Anadarko testified during the hearing that the specified depth interval was "approximate" due to the nearest control well being approximately 5 miles away. Upon drilling of the AGI well, the Entrada formation actually occurs at approximately 6350-6490 feet below the surface. As a result we request that the language in the last sentence of paragraph 1 be amended to read as follows:

*(1) ... "disposal into the Entrada formation at an approximate depth of 6350-6490 feet below the surface and that the packer be located approximately 6285 feet below the surface."*

**HOLLAND & HART** LLP

2. Well construction (Page 4, paragraph 6, last sentence): The order currently requires:

"The surface casing shall be set at 1,100 feet and there shall be a total of three casing strings, all with cement circulated to the surface." Anadarko was able to achieve the circulation of cement to the surface on two of the three strings; however, on the production casing we were able to achieve cementing to 660' below the surface, which is 440' above the base of the surface casing after a cement squeeze job approved by NMOCD's Aztec office. This is well within acceptable completion specifications. As a result we request that the language in the last sentence of paragraph 6 be amended to read as follows:

*(6)... The surface casing shall be set at 1,100 feet and there shall be a total of three casing strings, and the cement must be circulated to at least 1000 feet below the surface or 100 feet above the base of the surface casing.*

At your direction, Anadarko has notified parties within a one mile Area of Review and a copy of the notice is also enclosed for your reference.

Also, attached please find a proposed order for your consideration.

Very truly yours,

Ocean Munds-Dry  
Attorney for Anadarko Petroleum Corporation

cc: Linda Kuhn, Esq. (Anadarko)  
Mikal Altamore, Esq. (OCD)  
Enclosures