

From: Wesley_Ingram@blm.gov [mailto:Wesley_Ingram@blm.gov]
Sent: Monday, March 22, 2010 10:05 AM
To: Sanchez, Daniel J., EMNRD; Jones, William V., EMNRD
Cc: Don_Peterson@nm.blm.gov; Jay_Spielman@blm.gov
Subject: 4-1 NMOCD Hearing Docket

Daniel and Will,

On Cases 14455/14456/14457, which are injection proposals on state leases with federal leases around them, the proposed surface pressure would result in a frac gradient at the injection face of 0.96/0.96/0.90 respectively.

Without knowing what the frac gradient is for these Yeso formations (Paddock, Blinebry), determining that the water is remaining in the formations could be extremely difficult.

The operator states that the reason for the higher pressure above the standard 0.22 psi/ft is due to the tight Blinebry formation. However, they do not discuss what will happen with the Paddock, which is above the Blinebry.

Although the BLM Carlsbad Field Office is not protesting the cases, they would like to have COG Operating LLC address this item and how they will prevent hydraulic fracturing of the Paddock with the requested pressure for the Blinebry.

Thank you,

Wesley

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COG Operating LLC
Cases 14455, 14456 and 14457
April 1, 2010
Ex. 4

3/31/2010