

Guye, Gerry, EMNRD

From: Jones, William V., EMNRD
Sent: Wednesday, April 11, 2007 6:54 PM
To: arnor3@bp.com
Cc: Ezeanyim, Richard, EMNRD; Guye, Gerry, EMNRD
Subject: Washington 33 State Waterflood

Hello Mr. Rusty Arnold:

As we talked about today, the recent Division Order authorizing this waterflood R-12658, required BP to among other things, locate records on 4 wells drilled in the 1920s and if necessary, re-enter and re-plug those wells in order to isolate the intended injection interval of the Waterflood (approx 1250 to 3000 feet).

This email confirms the OCD received data sent by BP on these 4 wells on March 7, 2007.

The four wells in question are:

30-015-01601 located at 990FSL 1570FWL Sec 28 T17S R28E Eddy County, NM

Drilled: 9/5/1926 to at least 2905 feet, Treated with 120 Quarts.

Casing: 10inch at 651 feet and 8-1/4inch at 1135 feet (No Cement Data)

Final: Dry and Abandoned

30-015-01593 located at 250FSL 250FWL Sec 27 T17S R28E Eddy County, NM

Drilled: 10/31/1929 to at least 2512 feet,

Casing: 10inch at 340 feet, 8-1/4inch at 515 feet, 6-5/8inch at 1670 (All Casing "Landed" not "Cemented")

Final: Dry and Abandoned

30-015-02599 located at 1070FNL 250FEL Sec 5 T18S R28E Eddy County, NM

Drilled: 6/14/1925 to at least 2340 feet, Treated with 180 Qts

Casing: 12-1/2inch at 200 feet, 8-1/4inch at 469 feet, (No Cement Data)

Final: Dry and Abandoned ?but a Transporting Permit signed in 1950?

30-015-02558 located at 1070FNL 1570FWL Sec 4 T18S R28E Eddy County, NM

Drilled: 5/1/1925 to at least 2325 feet, Treated with 250 Qts

Casing: 6-5/8inch at 2325 feet, (No Cement Data)

Final: Dry and Abandoned but well was perfed from 2159 to 2311

The Division has determined these 80 year old wells likely do not have casing remaining in the original holes (casing was not cemented) and, even if so, any re-entry attempt would likely result in drilling outside the original holes and would not accomplish the intended purpose of isolating injection in this waterflood. BP has agreed to routinely survey these well sites for evidence of fluid on the surface. If injection fluid or oil is detected on any of these surface sites by BP or by OCD inspectors, then the offending well, will at that time be re-entered to install cement plugs above the injection interval.

Regards,

William V. Jones PE
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