

WM Record File 101

WM Project 10  
Docket No. \_\_\_\_\_

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Distribution: \_\_\_\_\_  
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(Return to WM, 623-SS)  
*orig. not rec'd*

**CONVERSATION RECORD**

TIME: 8:30 a.m.

**ROUTING:  
Name/File Code**

- WM 101.0
- P. Justus
- J. Trapp
- P. Hildenbrand
- K. McConnell
- A. Ibrahim
- J. Warner
- M. Blackford
- M. Weber

DATE: 19 NOVEMBER 1986

TELEPHONE X INCOMING X

NAME OF PERSON IN CONTACT WITH YOU: Robert Cook

ORGANIZATION: NRC, BWIP On-Site Representative TELEPHONE NO: 509-943-4669

SUBJECT: Benson Ranch Well Log; BWIP Hydrocarbon Potential Report; Pollen Age Dating; Oil Company Interest in Chip Samples; Rattlesnake Hills Basalt Analyses; Geophysical Investigation

SUMMARY: Benson Ranch Well Log - Bob Cook indicated that he has transmitted a copy of this 1920's hydrocarbon test well log to NMSS. DOE is apparently concerned that this well may interfere with results of a proposed new test hole (DC-24) which is located approximately 1 1/2 miles from the Benson Ranch Well Log.

BWIP Hydrocarbon Potential Report - Bob Cook has obtained a copy of a previously-unavailable BWIP report dealing with the geologic potential for hydrocarbons in the Hanford Site area.

Pollen Age Dating - At the suggestion of David Tillson, former chief geologist with the Washington Public Power Supply System, Bob Cook has provided a copy of appropriate portions of the 1968 Battelle report dealing with the Rattlesnake Hills coal pollen analyses, to Estelle Leopold of the University of Washington. Dr. Leopold, who is expert in the identification of pollen assemblages, has agreed to review the information contained in the Battelle report and will give her opinion of the age of the coals identified in the report. The Battelle report contains a range of possible dates for the coals of mid-Oligocene to mid-Miocene.

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Oil Company Interest in Chip Samples - Bob indicated that several oil companies, including Chevron and Amoco, have, through William Lingley of the State of Washington, expressed an interest in obtaining chip samples of coal samples that may have been obtained by DOE as part of the BWIP site investigations. The oil industry is evidently interested in developing regional correlations through coal age-dating.

Rattlesnake Hills Basalt Analyses - Bob Cook indicates that numerous data contained in the BWIP document control system dealing with the analyses and identification of basalt samples obtained in the Rattlesnake Hills well are incomplete and require a sample location key in order to be considered useful. He is attempting to convince the DOE that the additional data be added to their document control system data base.

Geophysical Investigation - Bob Cook is of the opinion that seismic tomography holds great promise for fracture identification at the RRL and will attempt to determine RHO's planned activities in this area.

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**ACTION REQUIRED:** Continuation of an awareness of activities associated with the above issues, particularly the pollen dating aspect by Dr. Leopold. Conveying this information to relevant NMSS personnel through this document.

**PERSON DOCUMENTING CONVERSATION:** Harold E. Lefevre    **SIGNATURE:** *Harold E. Lefevre*  
**DATE:** 20 November 1986

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**ACTION TAKEN:** Conversation record distributed.

**SIGNATURE:** *Harold E. Lefevre*    **TITLE:** Project Manager, BWIP,  
Geology/Geophysics Section, WMGT  
**DATE:** 20 November 1986