

100/BAC/84/05/03/0

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MAY 08 1984

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MEMORANDUM FOR: Robert Johnson
 Repository Projects Branch
 Division of Waste Management

FROM: Barbara A. Cooke
 Geotechnical Branch
 Division of Waste Management

Frederick W. Ross
 Geotechnical Branch
 Division of Waste Management

SUBJECT: DATA QUESTIONS FOR MAY, 1984 DATA ORIENTATION VISIT TO ONWI/DOE

Enclosed is a list of data questions in hydrology for the May 14-18, 1984 Data Orientation Visit to ONWI, Columbus. We have prepared this for your transmittal to ONWI/DOE prior to the meeting.

WM Record File
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WM Project 16
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Barbara A. Cooke
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 Division of Waste Management

Enclosure:
 As stated

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OFC	: WMGT <i>BC</i>	: WMGT	: WMGT <i>WBK</i>	:	:	:
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DATE	: 5/3/84	: 5/3/84	: 5/3/84	:	:	: 00537

DATA RELATED QUESTIONS

Hydrology Section, NRC
Prepared for May, 1984 Data Orientation Visit

Following is a list of questions relating to the site characterization hydrogeologic data sets. We are submitting these questions for your consideration in preparing your presentations to us for the May, 1984 Data Orientation Visit. We would understand if you considered it appropriate to defer some of these questions for later interactions.

Palo Duro Basin

NRC staff has noted the sparsity of hydrogeologic data so far presented for the central and western (e.g. New Mexico) portions of the Palo Duro Basin. We suspect that several as yet unpublished reports (see attached list) would contain such information. Specific data questions in this area are:

1. Are any new potentiometric maps being prepared? When will they be published? Where will they be published? Will the maps include any data from New Mexico? What portion of the new potentiometric data comes from DST evaluations?
2. Has there been any recent testing in Deaf Smith or Swisher other than that described in the Stone and Webster Completion reports for wells which fall in those counties?
3. Are there geophysical/stratigraphic logs for the SWEC wells in Deaf Smith and Swisher Counties? Will they be included in the SWEC Well Completion Reports?

A data-related question for which we hope to find answers in the Intera regional modeling reports is:

1. If the input data for modeling includes unpublished data, where will synthesis of this data be documented? For example, were will potentiometric maps developed by Intera for modeling be documented?

Other general questions:

1. Are there any existing or intended direct field measurements of vertical conductivity?

2. Has DOE or subcontractor staff addressed resolution between Bassett/Bentley and Handford interpretations of potentiometric data?
3. Does the Texas Bureau have documentation of the testing methods, shut-in times, etc. of the DST and potentiometric data they've collected themselves and acquired from oil companies?
4. Will water quality data be used to characterize brine density gradients?

Paradox

NRC staff and contractors have noted some of the problems of hydraulic testing in low permeability salt deposits such as the tests run on the evaporite sequence in GD-1. We will be reviewing DOE analyses and alternative testing approaches (e.g. ONWI-491) which are directed towards addressing the problems of testing in salt.

Specific questions regarding GD-1 data include:

1. Has the long-term testing procedure referred to in ONWI-388 Vol 1 p. 76 been completed? Reported upon in a separate topical report?
2. Were any gas quality tests run at GD-1?
3. Are there contractor data files in existence for data which is presented in ONWI-388?
 - 3a. ONWI-388 refers to "WCC project files." What do they contain?
 - 3b. Would data files or WCC project files contain any further discussion of the isotopic water quality data presented in ONWI-388?

Other general questions on the Paradox Basin are:

1. Was the potentiometric information acquired by WCC from oil companies checked against any technical criteria or QA/QC requirements? Is there a record of such a filtering process?
2. Has any further testing been done in Davis or Lavender Canyons since ONWI-290 was written?

3. Has there been seismic exploration of faults within the Gibson Dome since ONWI-290 was written?

Domes

1. How much data has been obtained from outside sources since Ertec has been involved with Gulf Interior Salt Dome characterization?
 - o We have recently received Ertec modeling reports which demonstrate that Ertec has developed a significantly broader hydrogeologic data base than was previously developed. Where will synthesis of this additional data be documented? For example, where will potentiometric maps developed by Ertec for modeling be documented?
2. What testing has been done at or near domes since LETCO's tests?

ONWI DRAFT DOCUMENTS FOR NRC REVIEW

Report	ONWI No.
Ertec, Potentiometric-Level Monitoring Program	BMI/ONWI-525
SWEC, Well Completion, Detten #1	BMI/ONWI-5008
Fukui, Summary of Petrographic and Chemical Data, Palo Duro, Bendix	
SWEC, Well Completion Report, Dissolution Zone Water Wells	BMI/ONWI-5002
SWEC, Well Completion Report, G. Friemel No. 1	BMI/ONWI-5003
GRUY Hole Completion Report, Gabbe No. 1	
TBEG, Summary Well Report, GRUY #1 Grabbe	
SWEC Well Completion Report, Harmon No. 1	BMI/ONWI-5004
SWEC Well Completion J. Friemel	BMI/ONWI-5011
SWEC Well Completion Mansfield	BMI/ONWI-5005
Pumping Test Fluid Sampling, SWEC	
GRUY Hole Completion Rex White	
TBEG, Well Completion Rex White	
SWEC, Preliminary Datra Holtzclaw	BMI/ONWI-5007
SWEC, Well Completion, Sawyer	BMI/ONWI-5006
SWEC, Pumping Test, Sawyer	BMI/ONWI-5010
SWEC, Well Completion, Zeeck #1	BMI/ONWI-5009
SWEC, Pump Test Summay, Zeeck	
Bendix, Summary of Petrographic and Chemical Data, Palo Duro	
SWEC, Laboratory Testing Program, Zeeck #1	

Bair, E.S., O'Donnell, T.P., and Picking, L.W., 1984. Hydrogeologic Investigations Based on Drill-Stem Test Data, Palo Duro Basin Area. Texas and New Mexico: ONWI/SUB/84/E512-05000-T14.

Smith, P.G., 1983. Modeling the Deep Basin Hydrogeology of a Potential High-Level Radwaste Site in Texas: SWEC TP83-133.

Stone & Weber Engineering Corporation, 1983. Ogallala Aquifer Mapping Program, Topical Report, Revision 1: ONWI/SUB/83/E512-05000-T16.

Smith P.G., 1984. Permeability Measurements from Drill-Stem Test Data and Other Sources, Palo Duro Basin Area, Texas and New Mexico: ONWI/SUB/84/E512 05000-T __, in preparation.

INTERA, 1982. Status Report in Regional Groundwater Flow Modeling for the Palo Duro Basin, Texas, ONWI/E512-02900/TR-13, p 170.

Stone & Webster Engineering Corporation, 1983b. Investigations Based on Drill-Stem Test Data, Palo Duro Basin Area, Texas and New Mexico, BWI/ONWI-xxx, prepared for Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, OH, July draft. (This may be the source as Bair, et, al. above)

INTERA Environmental Consultants, Inc., 1984b. First Status Report on Regional Groundwater Flow Modeling for the Palo Duro Basin, Texas, BMI/ONWI-504, prepared for Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, OH.

INTERA Environmental Consultants, Inc., 1984b. Second Status Report on Regional Ground-Water Flow Modeling for Palo Duro Basin, Texas, BMI/ONWI-503, prepared for Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, OH, October, 1983, draft.

Resource Engineering, Inc., 1983 Laboratory Testing of Rock and Salt.

Chilly #1
reCawly #2

Vafai, K., 1984, Expected Nuclear Waste Repository Near-Field Performance in three Salt Formations, Pt 3, Solid-state Radionuclide Transport, BMI/ONWI - Also Pt 1, and 2
Thermal Brine migration

1983
SWEC^A, 1984, Wolfcamp Potentiometric Surface After Culling Depressured, Overpressured, and Underpressured Data, Palo Duro Basin, Geotechnical Sketch. 13697-37-H-1.
13697-37 E-1

SWEC, 1983, Geotechnical Profile - Detten No. 1 - G. Friemel No. 1, Geotechnical Sketch 13697-G(B)-29.

SWEC, 1983, Geotechnical Sketch 13697-37-C-1
Inferred Faults in Northern Palo Duro Basin

SWEC, 1983, Zone of Dissolution of the Lower San Andres Unit & Salt; Sketch No. 13697-37-D-1.

SWEC, 1983, Thickness of Thick Salt Bed in Lower San Andres Unit & in Northern Palo Duro Basin; Sketch 13697-36-A-2.

Sewell, M.J., 1984, Summary of Chemical and Isotopic Data Produced by Bendix Field Eng. Corp. for Manfield #1, Zeeck #1, Sawyer #1, and Friemel #1 wells in the Texas Panhandle, ONWI Technical Rpt, Tables 1 and 4.

SWEC, 1983, Pennsylvanian Potentiometric Surface After Cutting
Depressured, Overpressured, and Underpressured Data in Northern Palo
Duro Basin: Sketch 13697-37-F-1.

Earth Technology, 1984, Ref. 3 Technical Memo from M.
Bitner to M. Teubner, EW-CNWI-84-5258, pp. 1-10.

Entera, April 1983, Status Report on Regional Groundwater
Flow Modeling of the Vacherie Dome, La. CNWI/81-ES12-
02900/TR-20

Following documents from the March, 1984 Catalog

Cycle/catalog #

- | | |
|-----------|------------|
| 1. 0-1171 | 9. 0-1193 |
| 2. 0-1172 | 10. 0-1175 |
| 3. 0-1173 | 11. 0-1246 |
| 4. 0-1174 | 12. 0-1252 |
| 5. 0-1231 | 13. 0-1176 |
| 6. 0-1263 | 14. 0-1293 |
| 7. 0-1387 | 15. 0-1294 |
| 8. 0-1307 | 16. 0-1256 |

SALT REPOSITORY PROJECT
PRODUCT DESCRIPTION SHEET

CYCLE/CATALOG NUMBER: D-1171

WRS NUMBER: 1.3.3.3.2

ONWI PROJECT MANAGER: DEYLING

105

BASIN: PERMIAN

TITLE: OGALLALA AQUIFER MAPPING PROGRAM

SUMMARY: THIS REPORT PRESENTS A SERIES OF MAPS GENERATED FOR THE OGALLALA AQUIFER INCLUDING RECENT AND PAST WATER LEVELS, THICKNESS, SATURATED THICKNESS AND CONTOUR MAP OF THE BASE OF OGALLALA.

PLANNED REVIEWS: ONWI-INTERNAL, DOE/SRDD, PATENT REVIEW

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/30/84

FORM OF DOCUMENT: ANALYSIS REPORT

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SALT REPOSITORY PROJECT
PRODUCT DESCRIPTION SHEET

CYCLE/CATALOG NUMBER: 0-1172

WBS NUMBER: 1.3.3.3.2

ONLINE PROJECT MANAGER: DEYLING

104

BASIN: PERMIAN

TITLE: POTENTIOMETRIC DATA FOR NEW MEXICO AND TEXAS

SUMMARY: THIS REPORT IS A DESCRIPTION OF THE DATA BASE WHICH HAS BEEN DEVELOPED FROM DRILL STEM TESTS. IT DESCRIBES FORMATION PRESSURE DATA AND GENERATES POTENTIOMETRIC SURFACE MAPS FOR THE WOLF CAMP AND PENNSYLVANIAN CARBONATE ACQUIERS.

PLANNED REVIEWS: DWHI-INTERNAL, DOE/SPPO, PATENT REVIEW

ORIGINATOR OF DATA: STONE + WEBSTER

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SALT REPOSITORY PROJECT
PRODUCT DESCRIPTION SHEET

CYCLE/CATALOG NUMBER: D-1173

WBS NUMBER: 1.3.3.3.2

ONMI PROJECT MANAGER: DEYLING

50

BASIN: PERMIAN

TITLE: PUMP TESTS AND FLUID SAMPLING AT J. FRIEHEL NO. 1, DEAF SMITH
CO., TEXAS

SUMMARY: PUMPING TESTS FOR ZONE 1 (A PRESSURE RECOVERY TEST AND A
PRESSURE DRAWDOWN TEST) WERE COMPLETED. FLUID WAS SAMPLED FOR
ANALYSES LEADING TO DETERMINATIONS OF THE BEHAVIOR OF SOME
RADWASTE RADIONUCLIDES IN THIS GROUND-WATER/ROCK SYSTEM.

PLANNED REVIEWS: ONMI-INTERNAL, DOE/SRPO, PATENT REVIEW

ORIGINATOR OF DATA: BENDIX-GJ

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/84

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SALT REPOSITORY PROJECT
PRODUCT DESCRIPTION SHEET

CYCLE/CATALOG NUMBER: D-1174

FSS NUMBER: 1.3.3.3.2

ONWI PROJECT MANAGER: DEYLING

40

BASEN: PERMIAN

TITLE: DISSOLUTION ZONE WELL FLUID SAMPLING AT MANSFIELD NO. 1, OLDHAM CO., TEXAS

SUMMARY: THIS REPORT EVALUATES FLUID SAMPLED FOR ANALYSES LEADING TO DETERMINATION OF THE BEHAVIOR OF SOME RADWASTE RADIONUCLIDES (U, TH, PA) IN SUCH GROUND WATER AND, POSSIBLY, INFORMATION ON THE AGE OF THE GROUND WATER.

PLANNED REVIEWS: ONWI-INTERNAL, ODE/SRPO, PATENT REVIEW

ORIGINATOR OF DATA: TEXAS SEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 04/30/84

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CYCLE/CATALOG NUMBER: D-1174

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SALT REPOSITORY PROJECT
PRODUCT DESCRIPTION SHEET

CYCLE/CATALOG NUMBER: C-1231

WRS NUMBER: 1.3.1.3

ONWI PROJECT MANAGER: GUPTA

148

BASIN: GENERIC

TITLE: NATURAL SALT DISSOLUTION - DEAF SMITH, PALE DUFB BASIN: RIGHTON
DOME, GULF COASTS AND DAVIS CANYON, PARADY BASIN

SUMMARY: COMPILATION AND INTERPRETATION OF NATURAL SALT DISSOLUTION
INFORMATION ON THREE POTENTIAL SALT SITES IS PRESENTED. THE
BASIS FACT THAT THE NATURAL SALT DEPOSITS HAVE BEEN IN
EXISTENCE FOR MILLIONS OF YEARS SHOW THAT THE NATURAL SALT
DISSOLUTION, IN GENERAL, IS A VERY SLOW PROCESS. DUE TO LOW
RATES OF DISSOLUTION, THE RATES ARE PRIMARILY BASED ON
AVAILABLE GEOLOGIC INFORMATION.

PLANNED REVIEWS: ONWI-INTERNAL, DOE/SPRD, PATENT REVIEW

ORIGINATOR OF DATA: ONWI

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CYCLE/CATALOG NUMBER: D-1263

WBS NUMBER: 1.3.3.3.2

ONWI PROJECT MANAGER: HUME

175

BASIN: PERMIAN

TITLE: MANSFIELD DETTEN TESTS REPORT

SUMMARY: THIS REPORT CONTAINS LABORATORY TESTING DATA ON CORE FROM THE
MANSFIELD NO. 1 AND DETTEN NO. 1 WELLS.

PLANNED REVIEWS: ONWI INTERNAL, DOE/SRPO, PATENT REVIEW

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/15/84

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CYCLE/CATALOG NUMBER: D-1262

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AFFILIATION _____

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SALT REPOSITORY PROJECT
PRODUCT DESCRIPTION SHEET

CYCLE/CATALOG NUMBER: G-1287

WRS NUMBER: 1.3.3.3.2

DNVI PROJECT MANAGER: DEYLING

200

BASIN: PERMIAN

TITLE: WOLFCAMP CROSS SECTIONS - DEAF SMITH COUNTY AREA: UNANALYZED
DATA

SUMMARY: THIS REPORT PRESENTS GEOLOGIC CROSS SECTION GIVING A DETAILED
LITHOLOGIC BREAKDOWN OF THE WOLFCAMP CARBONATE IN DEAF SMITH
COUNTY, TEXAS.

PLANNED REVIEWS: DNVI INTERNAL, DOE/SROD, PATENT REVIEW

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/30/84

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DATA

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SALT REPOSITORY PROJECT
PRODUCT DESCRIPTION SHEET

CYCLE/CATALOG NUMBER: 0-1307

VBS NUMBER: 1.3.2.3

ONWI PROJECT MANAGER: CLARK

221

RASIN: GENERIC

TITLE: UPDATED GEOCHEMICAL TEST CONDITIONS

SUMMARY: ONWI WILL ISSUE A REPORT ON THE NEAR-FIELD TEST CONDITIONS FOR A SALT REPOSITORY. IT WILL INCORPORATE THE LATEST DATA AVAILABLE TO DEFINE THE GEOLOGIC, PETROLOGIC, HYDROLOGIC, AND THERMOMECHANICAL PROPERTIES OF SALT ON A SITE-SPECIFIC BASIS.

PLANNED REVIEWS: ONWI INTERNAL, DOE/SPPD, PATENT REVIEW

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/31/84

FORM OF DOCUMENT: ANALYSIS REPORT

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SALT REPOSITORY PROJECT
PRODUCT DESCRIPTION SHEET

CYCLE/CATALOG NUMBER: 0-1193

WBS NUMBER: 1.3.3.3.2

DNVI PROJECT MANAGER: GUZZETTA

84

BASIN: PERMIAN

TITLE: HYDROLOGIC CHARACTERISTICS OF TWO STUDY LOCATIONS IN DEAF SMITH
AND SWISHER COUNTIES

SUMMARY: THIS STUDY DESCRIBES SURFACE HYDROLOGIC CHARACTERISTICS
INCLUDING TOPOGRAPHY, DRAINAGE, WATER RESOURCE PROJECTS,
SOILS, LAND USE, PRECIPITATION AND RUNOFF PATTERNS, AND
SURFACE WATER QUALITY.

PLANNED REVIEWS: DNVI-INTERNAL, DOE/SRPD, PATENT REVIEW

ORIGINATOR OF DATA: NUS CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/30/84

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CYCLE/CATALOG NUMBER: 0-1193

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SALT REPOSITORY PROJECT
PRODUCT DESCRIPTION SHEET

CYCLE/CATALOG NUMBER: D-1175

WBS NUMBER: 1.3.3.3.2

ONWI PROJECT MANAGER: DEYLING

111

BASIN: PERMIAN

TITLE: GAS SAMPLING FOR GROUND-WATER DATING AT THE J. FRIEMEL NO. 1
WELL, ZONE NO. 1

SUMMARY: THIS REPORT IS A DESCRIPTION OF DOWNHOLE PRESSURIZED FLUID
SAMPLES TAKEN FROM THE DEEP GRANITE WASH ACQUIFER.

PLANNED REVIEWS: ONWI-INTERNAL, DOE/SRPO, PATENT REVIEW

ORIGINATOR OF DATA: BENDIX-GJ

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/30/84

FORM OF DOCUMENT: ANALYSIS REPORT

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Paul *check out line!*

DMT

03/84

SALT REPOSITORY PROJECT
PRODUCT DESCRIPTION SHEET

CYCLE/CATALOG NUMBER: 0-1246

WBS NUMBER: 1.3.3.2.4

ONWI PROJECT MANAGER: DEYLING

98

SASIN: PERMIAN

TITLE: PUMPING TEST AND FLUID SAMPLING REPORT, MANSFIELD NO. 1 WELL,
PALO DURO BASIN: UNANALYZED DATA

SUMMARY: THIS REPORT DESCRIBES THE PUMPING TEST AND FLUID SAMPLING
ACTIVITIES TO COLLECT DATA TO DETERMINE THE HYDROLOGIC
CHARACTERISTICS OF DEEP WATER BEARING FORMATIONS AND TO
OBTAIN FORMATION FLUID SAMPLES FOR ANALYSES TO EVALUATE FLUID
MIGRATION AND AGE RELATIONSHIPS IN THE PERMIAN BASIN.

PLANNED REVIEWS: ONWI-INTERNAL, DOE/SRPO, PATENT REVIEW

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/30/84

FORM OF DOCUMENT: DATA REPORT

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SALT REPOSITORY PROJECT
PRODUCT DESCRIPTION SHEET

CYCLE/CATALOG NUMBER: D-1252

WRS NUMBER: 1.3.3.2.4

ONWI PROJECT MANAGER: DEYLING

29

BASIN: PERMIAN

TITLE: FORMATION-PRESSURE DATA FILE: TEXAS AND NEW MEXICO: UNANALYZED DATA

SUMMARY: THIS REPORT CONTAINS GEOLOGIC, HYDROLOGIC AND FORMATION PRESSURES FOR VARIOUS LOCATIONS IN THE PALO DURO BASIN ALONG WITH A COMPUTER LISTING OF DRILL STEM TEST DATA.

PLANNED REVIEWS: ONWI-INTERNAL, DOE/SRPO, PATENT REVIEW

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/30/84

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SALT REPOSITORY PROJECT
PRODUCT DESCRIPTION SHEET

CYCLE/CATALOG NUMBER: 0-1293

WRS NUMBER: 1.3.3.3.2

ONWI PROJECT MANAGER: DEYLING

207

BASIN: PERMIAN

TITLE: PUMPING TEST AND FLUID SAMPLING REPORT: UNANALYZED DATA

SUMMARY: THE REPORT WILL DETAIL RESULTS OF AQUIFER TESTS AND FLUID SAMPLING AT THE J. FRIEMEL NO. 1 IN DEAF SMITH COUNTY, TEXAS.

PLANNED REVIEWS: ONWI INTERNAL, DOE/SRPO, PATENT REVIEW

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/30/84

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SALT DEPOSITORY PROJECT
PRODUCT DESCRIPTION SHEET

CYCLE/CATALOG NUMBER: 0-1294

WBS NUMBER: 1.3.3.3.2

DNVI PROJECT MANAGER: DEYLING

208

BASIN: PERMIAN

TITLE: FORMATION PRESSURE ANALYSIS REPORT - TEXAS AND NEW MEXICO

SUMMARY: THE REPORT DISCUSSES FORMATION PRESSURE DATA DERIVED FROM
DRILL STEM TEST RESULTS IN TEXAS AND NEW MEXICO.

PLANNED REVIEWS: DNVI INTERNAL, DOE/SPDO, PATENT REVIEW

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/84

FORM OF DOCUMENT: ANALYSIS REPORT

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SALT REPOSITORY PROJECT
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CYCLE/CATALOG NUMBER: 0-1256

WBS NUMBER: 1.3.3.5.2

ONWI PROJECT MANAGER: GIBBONS

112

BASIN: GULF COAST

TITLE: MISSISSIPPI SEISMIC INTERPRETATION STATUS REPORT

SUMMARY: THIS REPORT WILL SUMMARIZE ALL OF THE SEISMIC REFLECTION DATA INTERPRETATION TO DATE IN MISSISSIPPI FOR THE CRWM PROGRAM. EMPHASIS IS PLACED ON THE AREA NEAR RICHTON DOME.

PLANNED REVIEWS: ONWI-INTERNAL, DOE/SRDD, PATENT REVIEW

ORIGINATOR OF DATA: ERTEC WESTERN INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/30/84

FORM OF DOCUMENT: ANALYSIS REPORT

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SALT REPOSITORY PROJECT
PRODUCT DESCRIPTION SHEET

CYCLE/CATALOG NUMBER: 0-1176
WBS NUMBER: 1.3.3.5.2
ONWI PROJECT MANAGER: KUNTZ

48

BASIN: GULF COAST

TITLE: CAPROCK AND ITS ROLE IN THE HYDROLOGIC INTEGRITY OF THE DOME

SUMMARY: THIS REPORT PRESENTS A COMPILATION OF ALL STUDIES OF OAKWOOD AND OTHER EAST TEXAS DOME CAPROCK, ITS FORMATION, EXTENT AND ROLE IN ISOLATING GROUND WATER FROM THE SALT STOCK.

PLANNED REVIEWS: ONWI-INTERNAL, DOE/SPRO, PATENT REVIEW

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/30/84

FORM OF DOCUMENT: ANALYSIS REPORT

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