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October 5, 1984

EW-ONWI-84-7710

WM Record File 106 WM Project 16
Docket No. _____
PDR *1/6 encl.*
LPDR *1/6 encl.*

U.S. Nuclear Regulatory Commission
MS-623-SS
Washington, D.C. 20555

Distribution:
R. Johnson w/out 6 encl. with enclosure
J. Johnson w/out _____
(Return to WM, 623-SS)
See D-30214-188 for

Attention: Mr. R. Johnson

Subject: Transmittal of Geologic Data for the Gulf Coast *enclosures*
Requested by the NRC - Submittal #1
Southern Region GPM - Salt Program
BPMD Contract No. E512-05700

Gentlemen,

This letter serves to transmit the first of three planned submittals of data for the Gulf Coast region requested by the Nuclear Regulatory Commission. This submittal includes two complete sets of: geophysical logs from DOE drilled wells (item 1 of the NCR request), seismic reflection sections (item 3), and gravity data (item 4). Each set includes appropriate data for Richton and Cypress Creek domes in Mississippi and Vacherie Dome in Louisiana.

Subsequent submittals of Gulf Coast Data will include the requested core photos (item 2) and aerial photos (item 5). At the present time, second and third submittals are planned for mid October and late October.

The first submittal was shipped from our Long Beach office via United Parcel Service, Two-Day Air and should arrive October 8. The shipment consists of four boxes and six mailing tubes.

84 OCT 11 AM 1:41
WM DOCKET CONTROL CENTER

8501040187 841005
PDR WASTE
WM-16 PDR

Enclosures are available in same number.

Mr. R. Johnson
EW-ONWI-84-7710

October 5, 1984
Page 2

Attached to this letter are brief descriptions of each data set that identify: 1) important characteristics of the data and 2) the contents of each set. These same descriptions are included in the packages.

We have attempted to make the data packages self-explanatory; however, should you have any questions, please do not hesitate to call.

Sincerely,

THE EARTH TECHNOLOGY CORPORATION


James R. Miller
Associate

JRM:gn

Attachment A - Geophysical Logs

Attachment B - Seismic Reflection Sections

Attachment C - Gravity Data

cc: Mr. Charles S. Kuntz (w/attachments)
Dr. Walter Newcomb (w/o attachments)



ATTACHMENT A

ITEM 1, GEOPHYSICAL LOGS

This data set includes geophysical logs from borings drilled in Mississippi and Louisiana during Area Characterization. For Mississippi, borings in the vicinity of Richton and Cypress Creek domes and regional hydrology holes are included. In Louisiana, this includes borings in the vicinity of Vacherie Dome and regional hydrology holes. A list of borings for which logs are included is presented below.

The logs included in this shipment were identified using lists of logs presented in appropriate well completion reports. The collection of logs is complete with the exception of one log for one hole that is identified on the itemized list. Copies of the tables from these well completion reports are included here as the itemized list of logs.

Of particular note are the following. Only logs from the deepest boring of multi-boring hydrology sites have been included. Logs for the shallow borings (i.e., 100, 200, and 300 series) have been included despite their generally poor quality. Shallow borings at Vacherie Dome were not logged, thus logs are not available.



LIST OF WELLS FOR WHICH LOGS ARE INCLUDED

MISSISSIPPI

| <u>WELL NAME</u> | <u>ONWI PUBLICATION #</u> |
|--|---------------------------|
| MRIG-9 | 178 |
| MRIH-11 | 180 |
| MRIG-10 | 179 |
| MH-8 | 177 |
| MH-6 | 175 |
| MH-7 | 176 |
| MH-5 | 174 |
| MCCG-2 | 171 |
| MCCH-3 | 172 |
| MH-4 | 173 |
| CYPRESS CREEK SHALLOW 100 & 200 SERIES | 165 |
| RICHTON SHALLOW 200 & 300 SERIES | 167 |

LOUISIANA

| | |
|--------------------------------------|-----|
| D.O.E. SMITH #1, V-6, V-7 (V-4,V-5*) | 119 |
| LVH-6 | 182 |
| LH-17 | 185 |
| LRH-13 | 184 |
| LH-7 | 183 |
| LH-2 | 181 |

*Not listed in existing ONWI publications but located on maps in ONWI-119 as WB-12 and B-105, respectively.



Attachment A
Item 1, Geophysical Logs

3

ITEMIZED LISTS OF LOGS



*Encl. to ltr. to
R. Johnson for
James Miller - 10/5/84*

**ONWI-170
Distribution Category UC-70**

**Gulf Coast Salt Domes
Well Completion Report:
Site MCCG-1**

Technical Report

August 1982

**Law Engineering Testing Company
2749 Delk Road, S.E.
Marietta, GA 30067**

This report was prepared by Law Engineering Testing Company under Subcontract E512-00400 with Battelle Project Management Division, Office of Nuclear Waste Isolation under Contract No. DE-AC06-76-RLO1830-ONWI with the U.S. Department of Energy. This contract was administered by the Battelle Office of Nuclear Waste Isolation.

TABLE 3.2-3

GEOPHYSICAL LOGS AND SIDEWALL CORES FOR MCCG-1

| LOGGING TRACTOR | LOGGED INTERVAL (FT.) | DATE STARTED | TYPE OF LOG |
|--------------------|--------------------------|-----------------|----------------------------|
| Dresser Atlas | 58 - 526 | 04/13/79 | Spontaneous Potential |
| Dresser Atlas | 58 - 526 | 04/13/79 | Gamma Ray |
| Dresser Atlas | 58 - 526 | 04/13/79 | Caliper |
| Dresser Atlas | 58 - 526 | 04/13/79 | Dual Induction Focused Log |
| Dresser Atlas | 59 - 518 | 04/13/79 | Gamma Ray |
| Dresser Atlas | 59 - 518 | 04/13/79 | Caliper |
| Dresser Atlas | 59 - 518 | 04/13/79 | Acoustilog |
| Dresser Atlas | 59 - 524 | 04/13/79 | Gamma Ray |
| Dresser Atlas | 59 - 524 | 04/13/79 | Caliper |
| Dresser Atlas | 59 - 524 | 04/13/79 | Compensated Density |
| Dresser Atlas | 59 - 524 | 04/13/79 | Compensated Neutron |
| Dresser Atlas | 0 - 524 | 04/14/79 | Differential Temperature |
| Dresser Atlas | 0 - 524 | 04/14/79 | Temperature |
| Dresser Atlas | 493 -1194 | 04/20/79 | Caliper |
| Dresser Atlas | 493 -1194 | 04/20/79 | Gamma Ray |
| Dresser Atlas | 493 -1194 | 04/20/79 | Dual Induction Focused Log |
| Dresser Atlas | 493 -1194 | 04/20/79 | Spontaneous Potential |
| Dresser Atlas | 493 -1194 | 04/20/79 | Caliper |
| Dresser Atlas | 493 -1194 | 04/20/79 | Gamma Ray |
| Dresser Atlas | 493 -1194 | 04/20/79 | Acoustilog |
| Dresser Atlas | 493 -1194 | 04/20/79 | Gamma Ray |
| Dresser Atlas | 493 -1194 | 04/20/79 | Caliper |
| Dresser Atlas | 493 -1194 | 04/20/79 | Compensated Density |
| Dresser Atlas | 493 -1194 | 04/20/79 | Compensated Neutron |
| Dresser Atlas | 0 -1194 | 04/20/79 | Temperature |
| Dresser Atlas | 0 -1196 | 04/20/79 | Differential Temperature |
| Dresser Atlas | 640 -1194 | 04/21/79 | Sidewall Cores |
| Dresser Atlas | 1202 -1878 | 05/03/79 | Caliper |
| Dresser Atlas | 1202 -1878 | 05/03/79 | Gamma Ray |
| Dresser Atlas | 1202 -1878 | 05/03/79 | Acoustilog |
| Dresser Atlas | 1202 -1886 | 05/03/79 | Gamma Ray |
| Dresser Atlas | 1202 -1886 | 05/03/79 | Dual Laterlog |
| Dresser Atlas | 1202 -1886 | 05/04/79 | Gamma Ray |
| Dresser Atlas | 1202 -1886 | 05/04/79 | Caliper |
| Dresser Atlas | 1202 -1886 | 05/04/79 | Compensated Density |
| Dresser Atlas | 1202 -1886 | 05/04/79 | Compensated Neutron |
| Dresser Atlas | 1202 -1887 | 05/04/79 | Caliper |
| Dresser Atlas | 0 -1886 | 05/04/79 | Differential Temperature |
| Dresser Atlas | 0 -1886 | 05/04/79 | Temperature |
| U.S.G.S. | 1090 -1866 | 05/05/79 | Caliper |
| U.S.G.S. | Caprock-salt interface | 05/05/79 | Acoustical Televiwer |
| U.S.G.S. | 1152 -1369 | 09/26/79 | Caliper |
| Law Engineering | 0 -1400 | 10/05/79 | Density |
| Law Engineering | 10 -1369 | 11/14/79 | Caliper |
| Law Engineering | 10 -1369 | 11/14/79 | Density |
| Law Engineering | 0 -1390 | 01/29/80 | Temperature |

WC-10010G-0

Job No. MV9700

NOTE: Copies of the geophysical logs for Well MCGG-1 are presented in Appendix B.

ONWI-171
Distribution Category UC-70

**Gulf Coast Salt Domes
Well Completion Report:
Site MCCG-2**

Technical Report

August 1982

**Law Engineering Testing Company
2749 Delk Road, S.E.
Marietta, GA 94577**

This report was prepared by Law Engineering Testing Company under Subcontract E512-00400 with Battelle Project Management Division, Office of Nuclear Waste Isolation under Contract No. DE-AC06-RLO1830-ONWI with the U.S. Department of Energy. This contract was administered by the Battelle Office of Nuclear Waste Isolation.

TABLE 3.2-3

GEOPHYSICAL LOGS AND SIDEWALL CORES FOR WELL MCCG-2

| LOGGING CONTRACTOR | LOGGED INTERVAL (FT.) | DATE STARTED | TYPE OF LOG |
|--------------------|-----------------------|--------------|----------------------------|
| S.G.S. | 60 - 411 | 03/29/79 | Temperature |
| S.G.S. | 44 - 406 | 03/29/79 | Guard Electric Log |
| S.G.S. | 56 - 410 | 03/29/79 | Spontaneous Potential |
| S.G.S. | 56 - 410 | 03/29/79 | Short Normal |
| S.G.S. | 56 - 410 | 03/29/79 | Long Normal |
| S.G.S. | 28 - 409 | 03/29/79 | Density |
| S.G.S. | 0 - 407 | 03/29/79 | Gamma Ray |
| S.G.S. | 0 - 417 | 03/29/79 | Neutron |
| S.G.S. | 0 - 405 | 03/29/79 | Acoustic Velocity |
| S.G.S. | 40 - 410 | 03/29/79 | Caliper |
| resser Atlas | 470 - 2950 | 04/05/79 | Sidewall Cores |
| resser Atlas | 413 - 3002 | 04/05/79 | Spontaneous Potential |
| resser Atlas | 413 - 3002 | 04/05/79 | Gamma Ray |
| resser Atlas | 413 - 3002 | 04/05/79 | Dual Induction Focused Log |
| resser Atlas | 413 - 3002 | 04/05/79 | Gamma Ray |
| resser Atlas | 413 - 3002 | 04/05/79 | Caliper |
| resser Atlas | 413 - 3002 | 04/05/79 | Compensated Density |
| resser Atlas | 413 - 3002 | 04/05/79 | Compensated Neutron |
| resser Atlas | 413 - 2993 | 04/05/79 | Acoustic Log |
| resser Atlas | 413 - 2993 | 04/05/79 | Caliper |
| resser Atlas | 413 - 2993 | 04/06/79 | Gamma Ray |
| resser Atlas | 0 - 3006 | 04/06/79 | Temperature |
| S.G.S. | 2606 - 2644 | 07/02/79 | Caliper |
| resser Atlas | 2470 - 2694.5 | 09/09/79 | Caliper |
| S.G.S. | 2620 - 2674 | 09/12/79 | Caliper |
| W Engineering | 0 - 2645 | 02/04/80 | Temperature |
| W Engineering | 0 - 2645 | 02/04/80 | Differential Temperature |

C-1008G-0

JOB NO. MV9700

Note: Copies of the geophysical logs for Well MCCG-2 are presented in Appendix B.

ONWI-172
Distribution Category UC-70

**Gulf Coast Salt Domes
Well Completion Report:
Site MCCH-3**

Technical Report

August 1982

**Law Engineering Testing Company
2749 Delk Road, S.E.
Marietta, GA 30067**

This report was prepared by Law Engineering Testing Company under Subcontract E512-00400 with Battelle Project Management Division, Office of Nuclear Waste Isolation under Contract No. DE-AC06-76-RLO1830-ONWI with the U.S. Department of Energy. This contract was administered by the Battelle Office of Nuclear Waste Isolation.

TABLE 4.2-3

GEOPHYSICAL LOGS AND SIDEWALL CORES FOR WELL MCCH-3B

| LOGGING CONTRACTOR | LOGGED INTERVAL (FT.) | DATE COMPLETED | TYPE OF LOG |
|--------------------|-----------------------|----------------|----------------------------|
| Dresser Atlas | 70 - 1310 | 05/12/79 | Dual Induction Focused Log |
| Dresser Atlas | 70 - 1310 | 05/12/79 | Spontaneous Potential |
| Dresser Atlas | 70 - 1310 | 05/12/79 | Gamma Ray |
| Dresser Atlas | 68 - 1311 | 05/12/79 | Caliper |
| Dresser Atlas | 0 - 4106 | 05/20/79 | Differential Temperature |
| Dresser Atlas | 0 - 4106 | 05/20/79 | Temperature |
| Dresser Atlas | 407 - 4106 | 05/20/79 | Caliper |
| Dresser Atlas | 407 - 4104 | 05/20/79 | Dual Induction Focused Log |
| Dresser Atlas | 407 - 4104 | 05/20/79 | Spontaneous Potential |
| Dresser Atlas | 407 - 4104 | 05/20/79 | Compensated Densilog |
| Dresser Atlas | 407 - 4104 | 05/20/79 | Compensated Neutron |
| Dresser Atlas | 407 - 4104 | 05/20/79 | Gamma Ray |
| Dresser Atlas | 407 - 4104 | 05/20/79 | Caliper |
| Dresser Atlas | 407 - 4100 | 05/20/79 | BHC Acoustilog |
| Dresser Atlas | 407 - 4100 | 05/20/79 | Caliper |
| Dresser Atlas | 407 - 4100 | 05/20/79 | Gamma Ray |
| Dresser Atlas | 1716 - 4090 | 05/20/79 | Sidewall Cores |
| U.S.G.S. | 3400 - 3490 | 06/22/79 | Caliper |
| Law Engineering | 0 - 3350 | 01/30/80 | Temperature |
| Law Engineering | 0 - 3350 | 01/30/80 | Differential Temperature |

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JOB NO. MV9700

Note: Copies of the geophysical logs for Well MCCH-3B are provided in Appendix C.

ONWI-173
Distribution Category UC-70

**Gulf Coast Salt Domes
Well Completion Report:
Site MH-4**

Technical Report

August 1982

**Law Engineering Testing Company
2749 Delk Road, S.E.
Marietta, GA 30067**

This report was prepared by Law Engineering Testing Company under Subcontract E512-00400 with Battelle Project Management Division, Office of Nuclear Waste Isolation under Contract No. DE-AC06-76-RLO1830-ONWI with the U.S. Department of Energy. This contract was administered by the Battelle Office of Nuclear Waste Isolation.

TABLE 3.2-3

GEOPHYSICAL LOGS AND SIDEWALL CORES FOR WELL MH-4A

| Logging Contractor | Logged Interval (ft.) | Date Started | Type of Log |
|--------------------|--------------------------|-----------------|-----------------------------|
| Dresser Atlas | 58-388 | 7/06/79 | Gamma Ray |
| Dresser Atlas | 58-388 | 7/06/79 | Caliper |
| Dresser Atlas | 58-388 | 7/06/79 | Acoustilog |
| Dresser Atlas | 58-397 | 7/06/79 | Gamma Ray |
| Dresser Atlas | 58-397 | 7/06/79 | Caliper |
| Dresser Atlas | 58-397 | 7/06/79 | Compensated Density |
| Dresser Atlas | 58-397 | 7/06/79 | Compensated Neutron |
| Dresser Atlas | 0-398 | 7/06/79 | Temperature |
| Dresser Atlas | 0-398 | 7/06/79 | Differential Temperature |
| Dresser Atlas | 58-396 | 7/06/79 | Spontaneous Potential |
| Dresser Atlas | 58-396 | 7/06/79 | Gamma Ray |
| Dresser Atlas | 58-396 | 7/06/79 | Caliper |
| Dresser Atlas | 58-396 | 7/06/79 | Dual Induction Focused |
| Dresser Atlas | 405-2622 | 7/12/79 | Gamma Ray |
| Dresser Atlas | 405-2622 | 7/12/79 | Caliper |
| Dresser Atlas | 405-2622 | 7/12/79 | Acoustilog |
| Dresser Atlas | 405-2634 | 7/12/79 | Compensated Neutron |
| Dresser Atlas | 405-2634 | 7/12/79 | Compensated Density |
| Dresser Atlas | 405-2634 | 7/12/79 | Caliper |
| Dresser Atlas | 405-2634 | 7/12/79 | Gamma Ray |
| Dresser Atlas | 405-2644 | 7/12/79 | Spontaneous Potential |
| Dresser Atlas | 405-2644 | 7/12/79 | Dual Induction Focused |
| Dresser Atlas | 751.5-2575.5 | 7/12/79 | Sidewall Cores |
| U.S.G.S. | 2488-2527.7 | 7/27/79 | Caliper |

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JOB NO. MV9700

Note: Copies of geophysical logs for Well MH-4A are presented in Appendix B.

ONWI-174
Distribution Category UC-70

**Gulf Coast Salt Domes
Well Completion Report:
Site MH-5**

Technical Report

August 1982

Law Engineering Testing Company
2749 Delk Road, S.E.
Marietta, GA 30067

This report was prepared by Law Engineering Testing Company under Subcontract E512-00400 with Battelle Project Management Division, Office of Nuclear Waste Isolation under Contract No. DE-AC06-76-RLO1830-ONWI with the U.S. Department of Energy. This contract was administered by the Battelle Office of Nuclear Waste Isolation.

TABLE 3.2-3
GEOPHYSICAL LOGS AND SIDEWALL CORES FOR WELL MH-5A

| LOGGING CONTRACTOR | LOGGED INTERVAL (FT.) | DATE STARTED | TYPE OF LOG |
|--------------------|-----------------------|--------------|----------------------------|
| Dresser Atlas | 61 - 386 | 06/07/79 | Gamma Ray |
| Dresser Atlas | 61 - 386 | 06/07/79 | Caliper |
| Dresser Atlas | 61 - 386 | 06/07/79 | Acoustilog |
| Dresser Atlas | 10 - 399 | 06/07/79 | Differential Temperature |
| Dresser Atlas | 10 - 399 | 06/07/79 | Temperature |
| Dresser Atlas | 62 - 406 | 06/07/79 | Spontaneous Potential |
| Dresser Atlas | 62 - 406 | 06/07/79 | Dual Induction Focused Log |
| Dresser Atlas | 61 - 398 | 06/07/79 | Gamma Ray |
| Dresser Atlas | 61 - 398 | 06/07/79 | Caliper |
| Dresser Atlas | 61 - 398 | 06/07/79 | Compensated Density |
| Dresser Atlas | 61 - 398 | 06/07/79 | Compensated Neutron |
| Dresser Atlas | 402 - 3072 | 06/16/79 | Gamma Ray |
| Dresser Atlas | 402 - 3072 | 06/16/79 | Compensated Neutron |
| Dresser Atlas | 402 - 3085 | 06/16/79 | Spontaneous Potential |
| Dresser Atlas | 402 - 3085 | 06/16/79 | Dual Induction Focused Log |
| Dresser Atlas | 402 - 3082 | 06/16/79 | Caliper |
| Dresser Atlas | 402 - 3082 | 06/16/79 | Gamma Ray |
| Dresser Atlas | 402 - 3082 | 06/16/79 | Acoustilog |
| Dresser Atlas | 402 - 3084 | 06/16/79 | Gamma Ray |
| Dresser Atlas | 402 - 3084 | 06/16/79 | Caliper |
| Dresser Atlas | 402 - 3084 | 06/16/79 | Compensated Density |
| Dresser Atlas | 400 - 3036 | 06/17/79 | Temperature |
| Dresser Atlas | 400 - 3036 | 06/17/79 | Differential Temperature |
| Dresser Atlas | 2952 - 3518 | 06/27/79 | Caliper |
| Dresser Atlas | 2952 - 3518 | 06/27/79 | Gamma Ray |
| Dresser Atlas | 2952 - 3518 | 06/27/79 | Compensated Density |
| Dresser Atlas | 2952 - 3518 | 06/27/79 | Compensated Neutron |
| Dresser Atlas | 2952 - 3572 | 06/27/79 | Caliper |
| Dresser Atlas | 2952 - 3572 | 06/27/79 | Gamma Ray |
| Dresser Atlas | 2952 - 3572 | 06/27/79 | Spontaneous Potential |
| Dresser Atlas | 2952 - 3572 | 06/27/79 | Dual Induction Focused Log |
| Dresser Atlas | 0 - 3541 | 06/27/79 | Differential Temperature |
| Dresser Atlas | 0 - 3541 | 06/27/79 | Temperature |
| Dresser Atlas | 2952 - 3573 | 06/27/79 | Caliper |
| Dresser Atlas | 2952 - 3573 | 06/27/79 | Gamma Ray |
| Dresser Atlas | 2952 - 3573 | 06/27/79 | Acoustilog |
| Dresser Atlas | 950 - 2702 | 06/27/79 | Sidewall Cores |
| S.G.S. | 2946.2 - 3541.3 | 07/05/79 | Caliper |
| S.G.S. | 0 - 2950 | 07/26/79 | Caliper |
| Law Engineering | 10 - 1000 | 08/21/79 | Gamma Ray |
| Law Engineering | 10 - 1000 | 08/21/79 | Compensated Density |
| Law Engineering | 0 - 1000 | 08/22/79 | Acoustic Velocity Log |
| S.G.S. | 150 - 2940 | 09/28/79 | Acoustic Velocity Log |
| Law Engineering | 0 - 500 | 10/05/79 | Caliper |
| Law Engineering | 0 - 500 | 10/05/79 | Compensated Density |
| Law Engineering | 3450 - 3540 | 10/16/79 | Caliper |

TABLE 3.2-2
 GEOPHYSICAL LOGS AND SIDEWALL CORES FOR WELL MH-5A
 (Continued)

| LOGGING CONTRACTOR | LOGGED INTERVAL (FT.) | DATE STARTED | TYPE OF LOG |
|-----------------------|--------------------------|-----------------|------------------------|
| Law Engineering | 2900 - 3541 | 10/17/79 | Caliper |
| Law Engineering | 3490 - 3541 | 10/18/79 | Caliper |
| Law Engineering | 0 - 3460 | 02/13/80 | Temperature |
| Law Engineering | 0 - 3460 | 02/13/80 | Differential Temperatu |

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JOB NO. MV9700

ONWI-175
Distribution Category UC-70

**Gulf Coast Salt Domes
Well Completion Report:
Site MH-6**

Technical Report

August 1982

**Law Engineering Testing Company
2749 Delk Road, S.E.
Marietta, GA 30067**

This report was prepared by Law Engineering Testing Company under Subcontract E512-00400 with Battelle Project Management Division, Office of Nuclear Waste Isolation under Contract No. DE-AC06-76-RLO1830-ONWI with the U.S. Department of Energy. This contract was administered by the Battelle Office of Nuclear Waste Isolation.

TABLE 3.2-3

GEOPHYSICAL LOGS AND SIDEWALL CORES FOR WELL MH-6A

| LOGGING CONTRACTOR | LOGGED INTERVAL (FT.) | DATE STARTED | TYPE OF LOG |
|-----------------------|-----------------------------|-----------------|----------------------------|
| Dresser Atlas | 0 -392 | 8/20/79 | Temperature |
| Dresser Atlas | 0 -392 | 8/20/79 | Differential Temperature |
| Dresser Atlas | 62 -388 | 8/20/79 | Compensated Densilog |
| Dresser Atlas | 62 -388 | 8/20/79 | Compensated Neutron |
| Dresser Atlas | 62 -388 | 8/20/79 | Gamma Ray |
| Dresser Atlas | 62 -388 | 8/20/79 | Caliper |
| Dresser Atlas | 62 -387 | 8/20/79 | BHC Acoustilog |
| Dresser Atlas | 62 -396 | 8/20/79 | Dual Induction Focused Log |
| Dresser Atlas | 62 -396 | 8/20/79 | Spontaneous Potential |
| Dresser Atlas | 0 -3,505 | 8/27/79 | Differential Temperature |
| Dresser Atlas | 0 -3,505 | 8/27/79 | Temperature |
| Dresser Atlas | 406 -3,502 | 8/27/79 | Dual Induction Focused Log |
| Dresser Atlas | 406 -3,502 | 8/27/79 | Spontaneous Potential |
| Dresser Atlas | 406 -3,502 | 8/27/79 | Gamma Ray |
| Dresser Atlas | 406 -3,502 | 8/28/79 | Gamma Ray |
| Dresser Atlas | 406 -3,502 | 8/28/79 | Compensated Densilog |
| Dresser Atlas | 406 -3,502 | 8/28/79 | Compensated Neutron |
| Dresser Atlas | 406 -3,502 | 8/28/79 | Caliper |
| Dresser Atlas | 406 -3,496 | 8/28/79 | BHC Acoustilog |
| Dresser Atlas | 1,254 -3,440.5 | 8/28/79 | Sidewall Cores |
| U.S.G.S. | 3,239.8-3,295.2 | 9/27/79 | Caliper |
| Law Engineering | 0-3,242 | 3/11/80 | Temperature |
| Law Engineering | 0-3,242 | 3/11/80 | Differential Temperature |

WC-1005F-0

JOB NO. MV9700

NOTE: Copies of the geophysical logs for Well MH-6A are presented in Appendix B.

ONWI-176
Distribution Category UC-70

**Gulf Coast Salt Domes
Well Completion Report:
Site MH-7**

Technical Report

August 1982

**Law Engineering Testing Company
2749 Delk Road, S.E.
Marietta, GA 30067**

This report was prepared by Law Engineering Testing Company under Subcontract E512-00400 with Battelle Project Management Division, Office of Nuclear Waste Isolation under Contract No. DE-AC06-76-RLO1830-ONWI with the U.S. Department of Energy. This contract was administered by the Battelle Office of Nuclear Waste Isolation.

TABLE 3.2-3

GEOPHYSICAL LOGS AND SIDEWALL CORES FOR WELL MH-7A

| LOGGING CONTRACTOR | LOGGED INTERVAL (FT.) | DATE STARTED | TYPE OF LOG |
|--------------------|-----------------------|--------------|----------------------------|
| Dresser Atlas | 30 - 400 | 08/06/79 | Differential Temperature |
| Dresser Atlas | 30 - 400 | 08/06/79 | Temperature |
| Dresser Atlas | 60 - 398 | 08/06/79 | Dual Induction Focused Log |
| Dresser Atlas | 60 - 398 | 08/06/79 | Spontaneous Potential |
| Dresser Atlas | 60 - 398 | 08/06/79 | Gamma Ray |
| Dresser Atlas | 60 - 398 | 08/06/79 | Caliper |
| Dresser Atlas | 60 - 399 | 08/06/79 | Compensated Density |
| Dresser Atlas | 60 - 399 | 08/06/79 | Compensated Neutron |
| Dresser Atlas | 60 - 399 | 08/06/79 | Gamma Ray |
| Dresser Atlas | 60 - 399 | 08/06/79 | Caliper |
| Dresser Atlas | 60 - 394 | 08/06/79 | BHC Acoustilog |
| Dresser Atlas | 60 - 394 | 08/06/79 | Gamma Ray |
| Dresser Atlas | 60 - 394 | 08/06/79 | Caliper |
| Dresser Atlas | 401 - 2830 | 08/10/79 | Compensated Density |
| Dresser Atlas | 401 - 2830 | 08/10/79 | Compensated Neutron |
| Dresser Atlas | 401 - 2830 | 08/10/79 | Gamma Ray |
| Dresser Atlas | 401 - 2830 | 08/10/79 | Caliper |
| Dresser Atlas | 381 - 2834 | 08/10/79 | BHC Acoustilog |
| Dresser Atlas | 381 - 2834 | 08/10/79 | Gamma Ray |
| Dresser Atlas | 1 - 2080 | 08/10/79 | Differential Temperature |
| Dresser Atlas | 1 - 2080 | 08/10/79 | Temperature |
| Dresser Atlas | 401 - 2844 | 08/10/79 | Spontaneous Potential |
| Dresser Atlas | 401 - 2844 | 08/10/79 | Gamma Ray |
| Dresser Atlas | 401 - 2844 | 08/10/79 | Caliper |
| Dresser Atlas | 401 - 2844 | 08/10/79 | Dual Induction Focused Log |
| Dresser Atlas | 657 - 2802 | 08/11/79 | Sidewall Cores |
| U.S.G.S. | 2597.2 - 2673 | 09/10/79 | Caliper |

WC-1005G-0

JOB NO. MV9700

NOTE: Copies of the geophysical logs for Well MH-7A are presented in Appendix B.

ONWI-177
Distribution Category UC-70

**Gulf Coast Salt Domes
Well Completion Report:
Site MH-8**

Technical Report

August 1982

**Law Engineering Testing Company
2749 Delk Road, S.E.
Marietta, GA 30067**

This report was prepared by Law Engineering Testing Company under Subcontract E512-00400 with Battelle Project Management Division, Office of Nuclear Waste Isolation under Contract No. DE-AC06-76-RLO1830-ONWI with the U.S. Department of Energy. This contract was administered by the Battelle Office of Nuclear Waste Isolation.

TABLE 3.2-3

GEOPHYSICAL LOGS AND SIDEWALL CORES FOR MH-8A

| LOGGING CONTRACTOR | LOGGED INTERVAL (FT.) | DATE COMPLETED | TYPE OF LOG |
|--------------------|-----------------------|----------------|----------------------------|
| Dresser Atlas | 56-403 | 10/17/79 | Dual Induction Focused Log |
| Dresser Atlas | 56-403 | 10/17/79 | Gamma Ray |
| Dresser Atlas | 56-403 | 10/17/79 | Caliper |
| Dresser Atlas | 56-403 | 10/17/79 | Spontaneous Potential |
| Dresser Atlas | 56-403 | 10/17/79 | Compensated Densilog |
| Dresser Atlas | 56-403 | 10/17/79 | Compensated Neutron |
| Dresser Atlas | 56-397 | 10/17/80 | BHC Acoustilog |
| Dresser Atlas | 50-404 | 10/17/79 | Differential Temperature |
| Dresser Atlas | 50-404 | 10/17/79 | Temperature Log |
| Dresser Atlas | 400-3,407 | 10/27/79 | Dual Induction Focused Log |
| Dresser Atlas | 400-3,407 | 10/27/79 | Spontaneous Potential |
| Dresser Atlas | 400-3,408 | 10/27/79 | Gamma Ray |
| Dresser Atlas | 400-3,408 | 10/27/79 | Caliper |
| Dresser Atlas | 400-3,369 | 10/27/79 | BHC Acoustilog |
| Dresser Atlas | 90-3,400 | 10/27/79 | Differential Temperature |
| Dresser Atlas | 90-3,400 | 10/27/79 | Temperature Log |
| Dresser Atlas | 400-3,408 | 10/27/79 | Compensated Densilog |
| Dresser Atlas | 400-3,408 | 10/27/79 | Compensated Neutron |
| Dresser Atlas | 400-3,400 | 10/27/79 | Sidewall Cores |
| Dresser Atlas | 3,300-3,705 | 10/29/79 | Differential Temperature |
| Dresser Atlas | 3,300-3,705 | 10/29/79 | Temperature Log |
| Dresser Atlas | 3,300-3,703 | 10/29/79 | Compensated Densilog |
| Dresser Atlas | 3,300-3,703 | 10/29/79 | Compensated Neutron |
| Dresser Atlas | 3,300-3,703 | 10/29/79 | Gamma Ray |
| Dresser Atlas | 3,300-3,702 | 10/29/79 | BHC Acoustilog |
| Dresser Atlas | 3,350-3,706 | 10/29/79 | Dual Induction Focused Log |
| Dresser Atlas | 3,350-3,706 | 10/29/79 | Spontaneous Potential |
| Dresser Atlas | 3,300-3,703 | 10/29/79 | Caliper |
| Dresser Atlas | 1,835-3,665 | 10/29/79 | Sidewall Cores |
| Law Engineering | 10-3,100 | 11/14/79 | Dual Spaced Density Log |
| Law Engineering | 10-3,100 | 11/14/79 | Caliper |
| Law Engineering | 0-3,100 | 2/17/80 | Temperature Log |
| Law Engineering | 0-3,100 | 2/17/80 | Differential Temperature |

WC-1001G-0

JOB NO. MV9700

Note: Copies of geophysical logs for Well MH-8A are in Appendix B.

ONWI-178
Distribution Category UC-70

**Gulf Coast Salt Domes
Well Completion Report:
Site MRIG-9**

Technical Report

August 1982

**Law Engineering Testing Company
2749 Delk Road, S.E.
Marietta, GA 30067**

This report was prepared by Law Engineering Testing Company under Subcontract E512-00400 with Battelle Project Management Division, Office of Nuclear Waste Isolation under Contract No. DE-AC06-76-RLO1830-ONWI with the U.S. Department of Energy. This contract was administered by the Battelle Office of Nuclear Waste Isolation.

TABLE 3.2-3

GEOPHYSICAL LOGS AND SIDEWALL CORES FOR WELL MRIG-9

| LOGGING CONTRACTOR | LOGGED INTERVAL (FT.) | DATE STARTED | TYPE OF LOG |
|-----------------------|--------------------------|-----------------|----------------------------|
| Dresser Atlas | 50 - 430 | 10/31/79 | Acoustilog |
| Dresser Atlas | 50 - 430 | 10/31/79 | Gamma Ray |
| Dresser Atlas | 50 - 430 | 10/31/79 | Caliper |
| Dresser Atlas | 20 - 453 | 10/31/79 | Differential Temperature |
| Dresser Atlas | 20 - 453 | 10/31/79 | Temperature |
| Dresser Atlas | 50 - 436 | 10/31/79 | Compensated Density |
| Dresser Atlas | 50 - 436 | 10/31/79 | Compensated Neutron |
| Dresser Atlas | 50 - 436 | 10/31/79 | Caliper |
| Dresser Atlas | 50 - 436 | 10/31/79 | Gamma Ray |
| Dresser Atlas | 50 - 440 | 10/31/79 | Spontaneous Potential |
| Dresser Atlas | 50 - 440 | 10/31/79 | Caliper |
| Dresser Atlas | 50 - 440 | 10/31/79 | Gamma Ray |
| Dresser Atlas | 50 - 440 | 10/31/79 | Dual Induction Focused Log |
| Dresser Atlas | 450 - 568 | 11/07/79 | Spontaneous Potential |
| Dresser Atlas | 450 - 568 | 11/07/79 | Gamma Ray |
| Dresser Atlas | 450 - 568 | 11/07/79 | Caliper |
| Dresser Atlas | 450 - 568 | 11/07/79 | Dual Induction Focused Log |
| Dresser Atlas | 0 - 574 | 11/07/79 | Differential Temperature |
| Dresser Atlas | 0 - 574 | 11/07/79 | Temperature |
| Dresser Atlas | 450 - 568 | 11/07/79 | Compensated Density |
| Dresser Atlas | 450 - 568 | 11/07/79 | Compensated Neutron |
| Dresser Atlas | 450 - 568 | 11/07/79 | Gamma Ray |
| Dresser Atlas | 450 - 568 | 11/07/79 | Caliper |
| Dresser Atlas | 450 - 563 | 11/07/79 | Acoustilog |
| Dresser Atlas | 450 - 563 | 11/07/79 | Gamma Ray |
| Dresser Atlas | 450 - 563 | 11/07/79 | Caliper |
| Dresser Atlas | 122 - 761 | 11/07/79 | Sidewall Cores |
| Dresser Atlas | 558 - 1272 | 11/30/79 | Compensated Density |
| Dresser Atlas | 558 - 1272 | 11/30/79 | Compensated Neutron |
| Dresser Atlas | 558 - 1272 | 11/30/79 | Gamma Ray |
| Dresser Atlas | 558 - 1272 | 11/30/79 | Caliper |
| Dresser Atlas | 558 - 1268 | 11/30/79 | Acoustilog |
| Dresser Atlas | 558 - 1268 | 11/30/79 | Gamma Ray |
| Dresser Atlas | 558 - 1268 | 11/30/79 | Caliper |
| Dresser Atlas | 558 - 1272 | 12/01/79 | Laterolog |
| Dresser Atlas | 558 - 1272 | 12/01/79 | Gamma Ray |
| Dresser Atlas | 558 - 1273 | 12/01/79 | Temperature |
| Dresser Atlas | 558 - 1273 | 12/01/79 | Differential Temperature |
| U.S.G.S. | 80 - 747.3 | 12/08/79 | Pulse Temperature |
| U.S.G.S. | 538 - 740 | 12/08/79 | Resistivity |
| U.S.G.S. | 88 - 741 | 12/08/79 | Resistivity |
| U.S.G.S. | 476 - 744 | 12/08/79 | Caliper |
| U.S.G.S. | 50 - 1268 | 12/09/79 | Caliper |
| U.S.G.S. | 570 - 1267 | 12/09/79 | Guard Electric Log |
| U.S.G.S. | 200 - 1279 | 12/09/79 | Pulse Temperature |
| Law Engineering | 0 - 752 | 02/05/80 | Differential Temperature |
| Law Engineering | 0 - 752 | 02/05/80 | Temperature |

WC-1007G-0

JOB NO. MV9700

NOTE: Copies of the geophysical logs for Well MRIG-9 are presented in Appendix B.

ONWI-179
Distribution Category UC-70

**Gulf Coast Salt Domes
Well Completion Report:
Site MRIG-10**

Technical Report

August 1982

**Law Engineering Testing Company
2749 Delk Road, S.E.
Marietta, GA 30067**

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TABLE 3.2-3

GEOPHYSICAL LOGS AND SIDEWALL CORES FOR WELL MRIG-10

| LOGGING CONTRACTOR | LOGGED INTERVAL (FT.) | DATE STARTED | TYPE OF LOG |
|-----------------------|--------------------------|-----------------|----------------------------|
| Dresser Atlas | 61 - 405 | 10/02/79 | Dual Induction Focused Log |
| Dresser Atlas | 61 - 405 | 10/02/79 | Gamma Ray |
| Dresser Atlas | 61 - 405 | 10/02/79 | Caliper |
| Dresser Atlas | 0 - 401 | 10/02/79 | Differential Temperature |
| Dresser Atlas | 0 - 401 | 10/02/79 | Temperature |
| Dresser Atlas | 61 - 405 | 10/02/79 | Caliper |
| Dresser Atlas | 61 - 405 | 10/02/79 | Compensated Densilog |
| Dresser Atlas | 61 - 405 | 10/02/79 | Gamma Ray |
| Dresser Atlas | 61 - 405 | 10/02/79 | Compensated Neutron |
| Dresser Atlas | 61 - 396 | 10/02/79 | Gamma Ray |
| Dresser Atlas | 61 - 396 | 10/02/79 | BHC Acoustilog |
| Dresser Atlas | 61 - 396 | 10/02/79 | Caliper |
| Dresser Atlas | 401 - 2714 | 10/10/79 | Compensated Densilog |
| Dresser Atlas | 401 - 2714 | 10/10/79 | Compensated Neutron |
| Dresser Atlas | 401 - 2714 | 10/10/79 | Gamma Ray |
| Dresser Atlas | 401 - 2714 | 10/10/79 | Caliper |
| Dresser Atlas | 401 - 2714 | 10/10/79 | Dual Induction Focused Log |
| Dresser Atlas | 401 - 2714 | 10/10/79 | Spontaneous Potential |
| Dresser Atlas | 401 - 2714 | 10/10/79 | Gamma Ray |
| Dresser Atlas | 401 - 2714 | 10/10/79 | Caliper |
| Dresser Atlas | 401 - 2706 | 10/10/79 | BHC Acoustilog |
| Dresser Atlas | 581 - 2680 | 10/10/79 | Sidewall Cores |
| Dresser Atlas | 20 - 2713 | 10/11/79 | Temperature |
| Dresser Atlas | 20 - 2713 | 10/11/79 | Differential Temperature |
| Law Engineering | 2530 - 2631 | 11/29/79 | Caliper |
| Law Engineering | 0 - 2552 | 02/15/80 | Differential Temperature |
| Law Engineering | 0 - 2552 | 02/15/80 | Temperature |

WC-1006G-O

MV9700

NOTE: Copies of geophysical logs for Well MRIG-10 are presented in Appendix B.

ONWI-184
Distribution Category UC-70

**Gulf Coast Salt Domes
Well Completion Report:
Site LRH-13**

Technical Report

August 1982

**Law Engineering Testing Company
2749 Delk Road, S.E.
Marietta, GA 30067**

This report was prepared by Law Engineering Testing Company under Subcontract E512-00400 with Battelle Project Management Division, Office of Nuclear Waste Isolation under Contract No. DE-AC06-76-RLO1830-ONWI with the U.S. Department of Energy. This contract was administered by the Battelle Office of Nuclear Waste Isolation.

TABLE 3.2-3

GEOPHYSICAL LOGS AND SIDEWALL CORES FOR LRH-13A

| LOGGING CONTRACTOR | LOGGED INTERVAL (FT.) | DATE STARTED | TYPE OF LOG |
|--------------------|-----------------------|--------------|--------------------------|
| Gearhart-Owen | 55-1485 | 4/4/80 | Temperature |
| Gearhart-Owen | 70-1488 | 4/4/80 | Dual Induction-Laterolog |
| Gearhart-Owen | 70-1488 | 4/4/80 | Gamma Ray |
| Gearhart-Owen | 70-1488 | 4/4/80 | Spontaneous Potential |
| Gearhart-Owen | 100-1488 | 4/4/80 | Dipmeter |
| Gearhart-Owen | 60-1487 | 4/4/80 | Micro-Electric |
| Gearhart-Owen | 60-1487 | 4/4/80 | Caliper |
| Gearhart-Owen | 60-1487 | 4/4/80 | Spontaneous Potential |
| Gearhart-Owen | 70-1476 | 4/4/80 | B H C Sonic |
| Gearhart-Owen | 70-1476 | 4/4/80 | Gamma Ray |
| Gearhart-Owen | 90-1489 | 4/5/80 | Sidewall Cores |
| Gearhart-Owen | 60-1486 | 4/5/80 | Compensated Density |
| Gearhart-Owen | 60-1486 | 4/5/80 | Compensated Neutron |
| Gearhart-Owen | 60-1486 | 4/5/80 | Caliper |
| Gearhart-Owen | 60-1486 | 4/5/80 | Gamma Ray |
| Gearhart-Owen | 59-1488 | 4/5/80 | Caliper |
| Karl Edmonds, Inc. | 16-950 | 4/13/80 | Cement Bond |
| Karl Edmonds, Inc. | 996-1210 | 4/13/80 | Acoustic Gravel Pack |
| Karl Edmonds, Inc. | 0-1218 | 4/13/80 | Gamma Ray |
| Karl Edmonds, Inc. | 0-1218 | 4/13/80 | Caliper |

P-10000-0

JOB NO. MV9700

Note: Copies of the geophysical logs for Well LRH-13A are provided in Appendix B.

ONWI-185
Distribution Category UC-70

Gulf Coast Salt Domes
Well Completion Report:
Site LH-17

Technical Report

August 1982

Law Engineering Testing Company
2749 Delk Road, S.E.
Marietta, GA 30067

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TABLE 3.2-3

GEOPHYSICAL LOGS AND SIDEWALL CORES FOR WELL LH-17A

| LOGGING CONTRACTOR | LOGGED INTERVAL (FT.) | DATE STARTED | TYPE OF LOG |
|-----------------------|-----------------------|--------------|----------------------------|
| Gearhart-Owen | 47 - 404 | 07/01/80 | Temperature |
| Gearhart-Owen | 47 - 404 | 07/01/80 | Compensated Density |
| Gearhart-Owen | 47 - 404 | 07/01/80 | Compensated Neutron |
| Gearhart-Owen | 47 - 404 | 07/01/80 | Caliper |
| Gearhart-Owen | 47 - 404 | 07/01/80 | Gamma Ray |
| Gearhart-Owen | 47 - 392 | 07/01/80 | B H C Sonic |
| Gearhart-Owen | 47 - 392 | 07/01/80 | Gamma Ray |
| Gearhart-Owen | 47 - 404 | 07/01/80 | Dual Induction - Laterolog |
| Gearhart-Owen | 47 - 404 | 07/01/80 | Spontaneous Potential |
| Gearhart-Owen | 420 - 2121 | 07/14/80 | Formation Tester |
| Gearhart-Owen | 400 - 2398 | 07/14/80 | Micro-Electric |
| Gearhart-Owen | 400 - 2398 | 07/14/80 | Gamma Ray |
| Gearhart-Owen | 400 - 2398 | 07/14/80 | Caliper |
| Gearhart-Owen | 400 - 2392 | 07/14/80 | Dual Induction - Laterolog |
| Gearhart-Owen | 400 - 2392 | 07/14/80 | Spontaneous Potential |
| Gearhart-Owen | 400 - 2392 | 07/14/80 | B H C Sonic |
| Gearhart-Owen | 400 - 2392 | 07/14/80 | Gamma Ray |
| Gearhart-Owen | 400 - 2392 | 07/14/80 | Caliper |
| Gearhart-Owen | 400 - 2390 | 07/14/80 | Compensated Density |
| Gearhart-Owen | 400 - 2390 | 07/14/80 | Compensated Neutron |
| Gearhart-Owen | 400 - 2390 | 07/14/80 | Gamma Ray |
| Gearhart-Owen | 400 - 2390 | 07/14/80 | Caliper |
| Gearhart-Owen | 400 - 2392 | 07/14/80 | Temperature |
| Gearhart-Owen | 400 - 2396 | 07/14/80 | Caliper |
| Gearhart-Owen | 410 - 2399 | 07/14/80 | Sidewall Cores |
| Karl F. Edmonds, Inc. | 0 - 1930 | 07/22/80 | Cement Bond |
| Karl F. Edmonds, Inc. | 1900 - 1989 | 07/22/80 | Acoustic Gravel Pack |
| Karl F. Edmonds, Inc. | 1650 - 2021 | 07/22/80 | Gamma Ray |
| Karl F. Edmonds, Inc. | 1900 - 2021 | 07/22/80 | Caliper |

WC-10016G-0

JOB NO. MV9700

Note: Copies of the geophysical logs for Well LH-17A are presented in Appendix B.

**Gulf Coast Salt Domes
Well Completion Report:
Site MRIH-II**

Technical Report

August 1982

**Law Engineering Testing Company
2749 Delk Road, S.E.
Marietta, GA 30067**

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TABLE 3.2-3

GEOPHYSICAL LOGS AND SIDEWALL CORES FOR MRIH-11A

| LOGGING CONTRACTOR | LOGGED INTERVAL (FT.) | DATE STARTED | TYPE OF LOG |
|--------------------|-----------------------|--------------|--------------------------|
| Dresser Atlas | 0 - 804 | 09/10/79 | Differential Temperature |
| Dresser Atlas | 0 - 804 | 09/10/79 | Temperature |
| Dresser Atlas | 60 - 802 | 09/10/79 | Dual Induction Focused |
| Dresser Atlas | 60 - 802 | 09/10/79 | Spontaneous Potential |
| Dresser Atlas | 60 - 802 | 09/10/79 | Gamma Ray |
| Dresser Atlas | 60 - 802 | 09/10/79 | Caliper |
| Dresser Atlas | 60 - 803 | 09/10/79 | Compensated Density |
| Dresser Atlas | 60 - 803 | 09/10/79 | Compensated Neutron |
| Dresser Atlas | 60 - 803 | 09/10/79 | Gamma Ray |
| Dresser Atlas | 60 - 803 | 09/10/79 | Caliper |
| Dresser Atlas | 60 - 795 | 09/10/79 | Acoustilog |
| Dresser Atlas | 60 - 795 | 09/10/79 | Gamma Ray |
| Dresser Atlas | 60 - 795 | 09/10/79 | Caliper |
| U.S.G.S. | 50 - 796 | 09/11/79 | Spontaneous Potential |
| U.S.G.S. | 50 - 796 | 09/11/79 | Short Normal |
| U.S.G.S. | 50 - 796 | 09/11/79 | Long Normal |
| Dresser Atlas | 801 - 6037 | 09/23/79 | Compensated Density |
| Dresser Atlas | 801 - 6037 | 09/23/79 | Compensated Neutron |
| Dresser Atlas | 801 - 6037 | 09/23/79 | Gamma Ray |
| Dresser Atlas | 801 - 6037 | 09/23/79 | Caliper |
| Dresser Atlas | 801 - 6040 | 09/23/79 | Dual Induction Focused |
| Dresser Atlas | 801 - 6040 | 09/23/79 | Spontaneous Potential |
| Dresser Atlas | 835 - 5892 | 09/24/79 | Sidewall Cores |
| Dresser Atlas | 801 - 6030 | 09/24/79 | Acoustilog |
| Dresser Atlas | 801 - 6030 | 09/24/79 | Gamma Ray |
| Dresser Atlas | 801 - 6030 | 09/24/79 | Caliper |
| Dresser Atlas | 0 - 6040 | 09/24/79 | Differential Temperature |
| Dresser Atlas | 0 - 6040 | 09/24/79 | Temperature |

WC-1009G-0

JOB NO. MV9700

NOTE: Copies of the geophysical logs for Well MRIH-11A are presented in Appendix B.

**Gulf Coast Salt Domes
Geologic Area Characterization Report
North Louisiana Study Area**

**Volume IV
Technical Report**

July 1982

**Law Engineering Testing Company
2749 Delk Road, S.E.
Marietta, GA 30067**

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TABLE 10-1
BOREHOLE DATA SUMMARY
VACHERIE DOME

10-14

| WELL NAME | LETCo WELL NO. | LOCATION | GROUND ELEV.+ (FT.) | TOTAL DEPTH (FT.) | LOGS RUN | OUTSIDE CASING DIAM. (IN.)/ CASING DEPTH (FT.) | GROUTING | CASING SEAT DEPTH (FT.) | ABANDONMENT PROCEDURE | ELEVATION CAPROCK-TOP*/ THICKNESS (FT.) | ELEVATION SALT - TOP* / THICKNESS (FT.) | SOURCE | REMARKS |
|-------------------------------------|----------------|--|---------------------|-------------------|---|---|------------------|-------------------------|---|---|---|---|--|
| Standard #1 Jordan | CR 229 | 300'S, 300'W of NE/c, SE, SE Sec 16-17N-8W | 227 | 897 | Driller's Log Only | 10 / 206 | NA | 206 | NA | -468 / 90 | -558 / 98 | Dept. of Conserv. Well History Rept. | Drilled: 8/22 D & A Vacherie Dome Discovery Well |
| Crow & Ford #1 Jordan | WB 92A | C, NE, SE Sec 16-17N-8W | 240 (est) | 960 | SP-Resistivity | NA | NA | NA | NA | -552/160 | Salt not encountered | Geoph. Log | Drilled: /45 D & A |
| Standard #1 Woodard | CR 230 | 676' N, 1358'W of SE/c, NE Sec 16-17N-8W | 260 (est) | 1872 | Driller's Log Only | 10 / 43 | NA | 43 | NA | Caprock not encountered | Salt not encountered | Scout Card; Spooner, 1926 | Drilled: 12/23-2/24 D & A |
| Clarke #1 Jordan | CL 1 | 200'S, 75'W of C, NE, SE Sec 16-17N-8W | 238 (est) | 571 | Driller's Log Only | 8 5/8 / 42 | 10 sx | 42 | NA | Caprock probably not encountered | Salt probably not encountered | Dept. of Conserv. Well History Rept. | Drilled: 5/49 D & A |
| DOE #1 Smith | WB 14A (DOE-V) | 493' SNL, 146' WEL of NE, NW, SW Sec 16-17N-8W | 230 | 5043 | Dual Lat./GR-Neut./Ind. Sph. Foc./Comp. Dens Comp. Sonic/ Fracture I D/ Cont. Direc./ Temp./Caliper | 13 3/8 / 297 9 5/8 / 972 | 400 sx 800 sx | 972 | Open, filled w/brine. Flange well head installed | -299/272.5 | -571.5 / 4227.5 | Coreholes at Vacherie and Rayburns Salt Domes, L.S.U., 1978 | Drilled: 4/78 Vacherie Salt Core Hole |
| Standard #1 Stephens | CR 228 | 400'N, 200'W of SE/c, NW, NE Sec 21-17N-8W | 196 | 788 | Driller's Log Only | NA | NA | NA | NA | -458/109 | -567/111 | Scout Card; Spooner, 1926 | Drilled: /23 D & A |
| Lion #1 Woodard | B 106 | 2310'S, 990'W of NE Sec 22-17N-8W | 187 (est) | 1843 | SP-Resistivity | 9 5/8 / 535 | 200 sx | 535 | Cement Plug 446'-581' w/45 sx; Cement Plug top of 9 5/8" csg w/5 sx | -1307/79 | -1386/258 | Dept. of Conserv. Well History Rept. | Drilled: 11/52 D & A |
| LSU #7 Vacherie (V-7) | WB 15 | C of NL, SE Sec 17-17N-8W | 226 (est) | 848 | I. E./Comp. Sonic | 5 1/2 / 796 | Grouted to 794' | 796 | NA | -341 / 227 | -568/51 | Martinez et al, 1977 | Drilled: 4/77 Screen set from 796' to 806' |
| LSU #6 Vacherie (V-6) | B 104 | NW, NW Sec 22-17N-8W | 219 (est) | 635 | I. E./Comp. Sonic | 5 1/2 / 596 | Grouted to 594' | 596 | NA | -384/27 | Salt not encountered | Martinez et al, 1977 | Drilled: 4/77 Screen set from 608' to 618' |
| LETCo Shallow Boring | M 4A | NE, NE, SW Sec 17-17N-8W | 215 (est) | 191 | None | None | -- | -- | Backfilled | Caprock not encountered | Salt not encountered | LETCo Files | Drilled: 10/79 |
| LSU Shot Hole Borings (A & B Lines) | - | - | - | 75 to 100 | None | None | -- | -- | NA | Caprock not encountered | Salt not encountered | Martinez et al, 1976 | Drilled: 7/75 36 holes |

ONWI-165
Distribution Category UC-70

**Gulf Coast Salt Domes
Shallow Borings Report:
Cypress Creek Dome**

Technical Report

August 1982

**Law Engineering Testing Company
2749 Delk Road, S.E.
Marietta, GA 30067**

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TABLE 2.0-1
SUMMARY OF DATA FOR
100 SERIES SHALLOW BORINGS
AT THE
CYPRESS CREEK DOME

| Boring No. | Location | Owner | Contractor | Date Boring Began - Completed | Ground Level Elevation (Feet, MSL) | Total Depth of Hole (Feet) | Hole Diameter (Inches) | Geophysical Logs | Casing Diameter (Inches) | Total Casing Length (Feet) | Casing Type | Depth Cemented (Feet) | Screened Interval (Feet)/ Formation | Gravel Packed Interval (Feet) | Minimum Water Level (Feet, MSL)/ Date Taken | Maximum Water Level (Feet, MSL)/ Date Taken |
|------------|---|---------------------------|-------------------------------|-------------------------------|------------------------------------|----------------------------|----------------------------------|-----------------------------|--------------------------|----------------------------|-------------|-----------------------|-------------------------------------|-------------------------------|---|---|
| MCUG-101 | 1029.0' FNL * 2170.0' FWL Sec 4 T2N R10W | U.S. Forest Service | Pope Testing | 4/18/79 4/19/79 | 234.5 | 170.5 | 8 (0-155') 5 (155'-170) | Gamma Electric | 2 (OD) | 155.61 | PVC | 0-140 | 155-165 Hattiesburg | 147 to 170 | 164.13 1/25/80 | 165.72 4/1/80 |
| MCUG-102 | 2029.3' FNL 2110.2' FWL Sec 21 T2N R10W | U.S. Forest Service | Pope Testing | 4/29/79 4/30/79 | 247.8 | 200.5 | 5 7/8 | Gamma Resistivity/ SP | 2 (OD) | 190.67 | PVC | 10-150 | 190-200 Hattiesburg | 155 to 200.5 | 186.36 1/29/80 | 187.09 4/30/80 |
| MCUG-103 | 2394.7' FNL 1496.2' FWL Sec 28 T2N R10W | U.S. Forest Service | Pope Testing | 5/14/79 5/18/79 | 248.5 | 270 | 5 7/8 | Gamma | 2 (OD) | 260.52 | PVC | 0-20 | 260-270 Hattiesburg | 20 to 200 | 184.76 2/18/80 | 185.73 4/29/80 |
| MCUG-104 | 700.1' FNL 1959.2' FWL Sec 5 T2N R10W | U.S. Forest Service | Southern Earth Sciences | 5/7/79 5/8/79 | 241.0 | 95.5 | 5 7/8 | Resistivity/ SP Gamma | 2 (OD) | 85.89 | PVC | 5-20 | 85-95 Hattiesburg | 20 to 95.5 | 207.13 2/18/80 | 208.05 4/29/80 |
| MCUG-105 | 515.2' FSL 466.2' FWL Sec 5 T2N R10W | U.S. Forest Service | Southern Earth Sciences | 5/12/79 5/13/79 | 272.9 | 90.5 | 5 7/8 | Gamma | 2 (OD) | 80.02 | PVC | 5-20 | 80-90 Hattiesburg | 20 to 90.5 | 235.98 2/18/80 | 238.29 4/29/80 |
| MCUG-106 | 1002.7' FSL 1336.4' FWL Sec 4 T2N R10W | U.S. Forest Service | Southern Earth Sciences | 5/10/79 5/12/79 | 259.8 | 110.5 | 5 7/8 | Gamma/ Resistivity | 2 (OD) | 100.0 | PVC | 5-20 | 100.0-110.0 Hattiesburg | 20 to 110.5 | 234.03 6/16/79 | 234.03 6/16/79 |
| MCUG-107 | 3162.1' FNL 899.0' FWL Sec 8 T2N R10W | U.S. Forest Service | Pope Testing | 5/2/79 5/2/79 | 252.6 | 95.5 | 5 7/8 | Resistivity/ SP Gamma | 2 (OD) | 85.43 | PVC | 5-20 | 85.0-95.0 Citronelle | 20 to 95.5 | 226.3 2/18/80 | 229.64 4/24/80 |
| MCUG-108 | 2457.2' FSL 1816.5' FWL Sec 9 T2N R10W | U.S. Forest Service | Pope Testing | 5/16/79 5/16/79 | -- | 20.5 | -- | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

SBC - 1001D-0

JOB NO. MW9700

TABLE 2.0
 SUMMARY OF DATA FOR
 100 SERIES SHALLOW BORINGS
 AT THE
 CYPRESS CREEK DOME

| Boring No. | Location | Owner | Contractor | Date Boring Began - Completed | Ground Level Elevation (Feet, MSL) | Total Depth of Hole (Feet) | Hole Diameter (Inches) | Geophysical Logs | Casing Diameter (Inches) | Total Casing Length (Feet) | Casing Type | Depth Cased (Feet) | Screened Interval (Feet)/ Formation | Gravel Packed Interval (Feet) | Minimum Water Level (Feet, MSL)/ Date Taken | Maximum Water Level (Feet, MSL) Date Taken |
|------------|--|---------------------|-------------------------|-------------------------------|------------------------------------|----------------------------|------------------------|-----------------------------|--------------------------|----------------------------|-------------|--------------------|-------------------------------------|-------------------------------|---|--|
| BCCG-109 | 1867.4' FSL 1430.5' FWL Sec 9 T2H R10W | U.S. Forest Service | Pope Testing | 5/14/79 5/15/79 | Est. 205 | 20.5 | -- | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| BCCG-110 | 1390.1' FHL 2661.7' FHL Sec 10 T2H R10W | U.S. Forest Service | Pope Testing | 5/10/79 5/12/79 | 240.8 | 86.0 | 5 7/8 | Gamma | 2.0 (OD) | 76.84 | PVC | 5-15 | 76.0-86.0 Hattiesburg | 15.0 to 86.0 | 206.8 1/25/80 | 207.53 4/29/80 |
| BCCG-111 | 510.9' FHL 3027.6' FHL Sec 8 T2H R10W | U.S. Forest Service | Southern Earth Sciences | 5/15/79 5/16/79 | 207.9 | 120.5 | 5 7/8 | Resistivity/ SP Gamma | 2.0 (OD) | 110.49 | PVC | 5-20 | 110.0-120.0 Hattiesburg | 20.0 to 120.5 | 207.8 3/29/80 | Flowing Well 4/29/80 |
| BCCG-112 | 80.4' FSL 1014.5' FHL Sec 11 T2H R10W | U.S. Forest Service | Pope Testing | 4/25/79 4/26/79 | 317.7 | 180.5 | 5 7/8 | Resistivity/ SP Gamma | 2.0 (OD) | 170.0 | PVC | 5-15 | 170.0-180.0 Hattiesburg | 15.0 to 180.5 | 194.08 1/25/80 | 194.86 4/29/80 |
| BCCG-113 | 914.4' FHL 710.0' FHL Sec 17 T2H R10W | U.S. Forest Service | Pope Testing | 5/1/79 5/1/79 | 269.4 | 85.5 | 5 7/8 | Resistivity/ SP Gamma | 2.0 (OD) | 75.52 | PVC | 5-15 | 75.0-85.0 Citronelle | 15.0 to 85.5 | 212.65 2/18/80 | 215.42 4/29/80 |
| BCCG-114 | 296.7' FSL 1200.2' FHL Sec 15 T2H R10W | U.S. Forest Service | Southern Earth Sciences | 5/8/79 5/9/79 | 231.9 | 75.5 | 5 7/8 | Resistivity/ SP Gamma | 2.0 (OD) | 65.61 | PVC | 5-20 | 65.0-75.0 Citronelle | 20.0 to 75.5 | 205.3 1/29/80 | 206.71 4/30/80 |
| BCCG-115 | 2620.8' FHL 1919' FHL Sec 20 T2H R10W | U.S. Forest Service | Southern Earth Sciences | 5/14/79 5/15/79 | 189.7 | 155.5 | 5 7/8 | Gamma | 2.0 (OD) | 145.58 | PVC | 5-20 | 145.0-155.0 Hattiesburg | 20.0 to 155.5 | 188.45 1/25/80 | 188.98 4/29/80 |
| BCCG-116 | Not Surveyed | U.S. Forest Service | Pope Testing | 5/17/79 5/17/79 | Est. 180 | 25.5 | -- | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

SBC-1001b-0

JOB NO. MV9700

TABLE 2.0-1
SUMMARY OF DATA FOR
100 SERIES SHALLOW BORINGS
AT THE
CYPRESS CREEK DOME

| Boring No. | Location | Owner | Contractor | Date Boring Began - Completed | Ground Level Elevation (Feet, MSL) | Total Depth of Hole (Feet) | Hole Diameter (Inches) | Geophysical Logs | Casing Diameter (Inches) | Total Casing Length (Feet) | Casing Type | Depth Cemented (Feet) | Screened Interval (Feet)/ Formation | Gravel Packed Interval (Feet) | Minimum Water Level (Feet, MSL)/ Date Taken | Maximum Water Level (Feet, MSL)/ Date Taken |
|------------|--|---------------------------|-------------------------------|-------------------------------|------------------------------------|----------------------------|------------------------|-----------------------------|--------------------------|----------------------------|-------------|-----------------------|-------------------------------------|-------------------------------|---|---|
| BCCG-117 | 458.6' FHL 142.3' FEL Sec 28 T2H R10W | Nat. Forest Service | Pope Testing | 5/17/79 5/17/79 | 246.2 | 110.5 | 5 7/8 | Resistivity/ SP Gamma | 2.0 (OD) | 100.53 | PVC | 5.0-15.0 | 100.0-110.0 Citronelle | 15.0 to 110.5 | 205.93 1/29/80 | 209.6 4/30/80 |
| BCCG-118 | 2269.1' FHL 1314.7' FEL Sec 22 T2H R10W | Nat. Forest Service | Pope Testing | 4/27/79 4/28/79 | 235.3 | 100.5 | 5 7/8 | Resistivity/ SP Gamma | 2.0 (OD) | 90.54 | PVC | 5.0-20.0 | 90.0-100.0 Hattiesburg | 20.0 to 100.5 | 199.48 1/29/80 | 202.95 4/30/80 |
| BCCG-119 | 2036.8' FHL 1281.4' FWL Sec 33 T1H R10W | Nat. Forest Service | Southern Earth Sciences | 5/9/79 5/10/79 | 200.3 | 80.5 | 5 7/8 | Resistivity/ SP Gamma | 2.0 (OD) | 70.8 | PVC | 5.0-20.0 | 70.0-80.0 Hattiesburg | 20.0 to 80.5 | 170.13 1/25/80 | 170.32 3/29/80 |
| BCCG-120 | Not Surveyed | Nat. Forest Service | Southern Earth Sciences | 5/17/79 5/17/79 | -- | 13.0 | -- | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

*FHL = From North Line
FEL = From East Line
FWL = From West Line
FSL = From South Line

SBC-1001D-0

JOB NO. MV9700

TABLE
 SUMMARY OF DATA FOR
 200 SERIES SHALLOW BORINGS
 AT THE
 CYPRESS CREEK DOME

| Boring No. | Location | Owner | Contractor | Date Boring Began - Completed | Ground Level Elevation (Feet, MSL) | Total Depth of Hole (Feet) | Hole Diameter (Inches) | Geophysical Logs |
|------------|--|---------------------------|-------------------------|-------------------------------|------------------------------------|----------------------------|------------------------|-------------------|
| MCCG-201 | Sec 29 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 4/28/80 4/29/80 | -- | 150.5 | 5 7/8 | Gamma Electric |
| MCCG-202 | 1442.7' FSL 1090.8' FEL Sec 15 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 4/29/80 4/29/80 | -- | 100.5 | 6 | Gamma Electric |
| MCCG-203 | 2468.9' FNL 2331.8' FEL Sec 18 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 4/26/80 4/27/80 | 236.8 | 99.0 | 6 | Gamma Electric |
| MCCG-204 | 1040.6' FSL 384.0' FEL Sec 7 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 4/27/80 4/28/80 | 249.3 | 110.5 | 6 | Gamma Electric |
| MCCG-206 | 452.1' FNL 14.8' FWL Sec 21 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 4/21/80 4/22/80 | 225.7 | 160.5 | 5 7/8 | Gamma Electric |
| MCCG-207 | 2669.9' FSL 1005' FWL Sec 7 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 4/26/80 4/27/80 | -- | 180.5 | 5 7/8 | Gamma Electric |
| MCCG-208 | 964' FSL 976' FWL Sec 21 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 4/21/80 4/22/80 | 236.0 | 190.5 | 6" | Gamma Electric |

TABLE 2.0-2

SUMMARY OF DATA FOR
200 SERIES SHALLOW BORINGS
AT THE
CYPRESS CREEK DOME

| Boring No. | Location | Owner | Contractor | Date Boring Began - Completed | Ground Level Elevation (Feet, MSL) | Total Depth of Hole (Feet) | Hole Diameter (Inches) | Geophysical Logs |
|------------|--|---------------------------|-------------------------|--|---|-------------------------------------|------------------------------|----------------------|
| MCCG-209 | Sec 17 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 5/8/80 5/9/80 | -- | 100.5 | 4" | Electric |
| MCCG-210 | Sec 19 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 4/25/80 4/26/80 | 249.1 | 179 | 6" | Gamma Electric |
| MCCG-211 | 3234.6' FSL 2248.4' FWL Sec 21 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 4/22/80 4/23/80 | 245.0 | 150.5 | 5 7/8 | Electric |
| MCCG-212 | Sec 8 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 4/30/80 4/30/80 | -- | 85.5 | 4" | Electric Gamma |
| MCCG-213 | Sec 22 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 5/7/80 5/8/80 | -- | 120.5 | 5 7/8 | Gamma Electric |
| MCCG-214 | 427.7' FNL 84.3' FWL Sec 28 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 4/23/80 4/24/80 | 237.5 | 190.5 | 5 7/8 | Gamma Electric |
| MCCG-215 | 1753.8' FSL 911.4' FEL Sec 21 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 4/15/80 4/16/80 | 259.2 | 170.5 | 6" | Gamma Resistivity |
| MCCG-216 | 1157.1' FBL 957.6' FWL | U.S. Forest Service | P & W Drilling, Inc. | 4/15/80 4/17/80 | 244.5 | 210.5 | 5 7/8 | Gamma |

SUMMARY OF DATA FOR
200 SERIES SHALLOW BORINGS
AT THE
CYPRESS CREEK DOME

| Boring No. | Location | Owner | Contractor | Date Boring Began - Completed | Ground Level Elevation (Feet, MSL) | Total Depth of Hole (Feet) | Hole Diameter (Inches) | Geophysical Logs |
|------------|--|---------------------------|-------------------------|-------------------------------|------------------------------------|----------------------------|------------------------|-------------------|
| MCCG-217 | Sec 8 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 4/29/80 4/30/80 | -- | 150.5 | 5 7/8 | Gamma Electric |
| MCCG-218 | Sec 17 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 5/1/80 5/7/80 | -- | 100.5 | 4 | Electric |
| MCCG-219 | Sec 17 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 4/22/80 4/24/80 | -- | 140.5 | 4 | Gamma Electric |
| MCCG-220 | Sec 8 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 4/28/80 4/29/80 | -- | 120.5 | 4 | Gamma Electric |
| MCCG-221 | Sec 4 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 5/8/80 5/8/80 | -- | 80.5 | 5 7/8 | Electric |
| MCCG-222 | 1332.7' FSL 2174.9' FWL Sec 17 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 4/23/80 4/23/80 | 218.2 | 90.5 | 6 | Gamma Electric |
| MCCG-223 | 829.4' FNL 2319.7' FEL Sec 20 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 4/10/80 4/14/80 | 182.8 | 71.5 | 4 | Gamma |
| MCCG-225 | 1388.4' FNL 2362.5' FWL Sec 20 T2N R10W | U.S. Forest Service | P & W Drilling, Inc. | 4/23/80 4/25/80 | 191.2 | 130.5 | 6 | Electric |

SHALLOW BORING COMPLETION REPORT

RICHTON DOME

MAY 1981

GULF COAST SALT DOME PROJECT



LAW ENGINEERING TESTING COMPANY

Prepared for
Office of Nuclear Waste Isolation
Battelle Memorial Institute
Under Subcontract E512-00400

TABLE 2.0-1
SUMMARY OF DATA FOR
200 SERIES SHALLOW BORINGS
AT THE
RICHTON DOME

| Boring No. | Location | Owner | Contractor | Date Boring Began - Completed | Ground Level Elevation (Feet, MSL) | Total Depth of Hole (Feet) | Hole Diameter (Inches) | Geophysical Logs | Casing Diameter (Inches) | Total Casing Length (Feet) | Casing Type | Depth Cemented (Feet) | Screened Interval (Feet)/ Formation | Gravel Packed Interval (Feet) | Minimum Water Level (Feet, MSL)/ Date Taken | Maximum Water Level (Feet, MSL)/ Date Taken |
|------------|--|----------------|--------------|-------------------------------|------------------------------------|----------------------------|------------------------|--|--------------------------|----------------------------|-------------|-----------------------|-------------------------------------|-------------------------------|---|---|
| MRIG-201 | 41.2' FSL 2565.3' FWL Sec 22 T5N R10W | Masonite Corp. | Pope Testing | 12/12/79 12/15/79 | 244.1 | 80.5 | 3 | Gamma Resistivity Caliper | 2 (OD) | 69.89 | PVC | 0-10 | 69.0-79.0 Hattiesburg | 10.0 to 80.5 | 218.4 4/3/80 | 220.0 1/23/80 |
| MRIG-202 | 480.9' FSL 3258.5' FEL Sec 26 T5N R10W | Masonite Corp. | Pope Testing | 10/16/79 10/19/79 | 281.5 | 200.1 | 6 1/2 | Gamma Resistivity SP Caliper Neutron | 2 (OD) | 89.2 | PVC | 0-70 | 88.0-98.0 Hattiesburg | 76.0 to 200.1 | 242.6 1/10/80 | 245.1 4/30/80 |
| MRIG-203 | 3429.9' FNL 1435.7' FWL Sec 23 T5N R10W | Masonite Corp. | Pope Testing | 10/8/79 10/10/79 | 211.1 | 120.5 | 5 7/8 | Gamma Resistivity SP Caliper Neutron | 2 (OD) | 95.48 | PVC | 0-70 | 94.5-104.5 Hattiesburg | 75.0 to 120.5 | 184.8 1/9/80 | 185.2 3/30/80 |
| MRIG-204 | 474.9' FNL 194.8' FEL Sec 22 T5N R10W | Masonite Corp. | Pope Testing | 11/27/79 11/30/79 | 275.1 | 180.5 | 6 | Resistivity/ SP Gamma Neutron | 2 (OD) | 55.67 | PVC | 0-10 | 55.0-65.0 Hattiesburg | 10.0 to 180.5 | 254.3 1/9/80 | 258.8 4/30/80 |
| MRIG-205 | 1017.2' FNL 545' FWL Sec 22 T5N R10W | Masonite Corp. | Pope Testing | 12/10/79 12/11/79 | 222.4 | 140.5 | 6 | Resistivity/ SP Gamma Neutron | 2 (OD) | 30.46 | PVC | 0-10 | 28.5-38.5 Hattiesburg | 10.0 to 140.5 | 209.85 1/10/80 | 213.7 3/30/80 |
| MRIG-208 | 3215.1' FNL 1169' FWL Sec 24 T5N R10W | Masonite Corp. | Pope Testing | 12/2/79 12/4/79 | 223.4 | 75.5 | 5 7/8 | Gamma Resistivity Neutron | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| MRIG-209 | 415' FNL 675' FEL Sec 23 T5N R10W | Masonite Corp. | Pope Testing | 12/7/79 12/9/79 | 240.6 | 80.5 | 6 | Gamma Resistivity/ SP Neutron | 2 (OD) | 49.26 | PVC | 0-10 | 48.0-58.0 Citronelle | 10.0 to 80.5 | 201.53 1/23/80 | 204.26 4/30/80 |
| MRIG-210 | 1734.4' FNL 1659.6' FWL Sec 36 T5N R10W | Hillman | Pope Testing | 10/20/79 10/23/79 | 245.1 | 180.5 | 6 | Gamma Neutron | 2 (OD) | 58.18 | PVC | 0-15 | 57.0-67.0 Citronelle | 15.0 to 80.5 | 195.65 1/8/80 | 198.44 4/29/80 |
| MRIG-211 | 757.1' FSL 2074.2' FWL Sec 25 T5N R10W | McCardle | Pope Testing | 11/1/79 11/6/79 | 229.8 | 142.0 | 6 | Gamma/ Neutron Resistivity/ SP Caliper | 2 (OD) | 59.94 | PVC | 0-10 | 58.5-68.5 Citronelle | 10.0 to 142.0 | 179.07 1/10/80 | 183.41 4/30/80 |

TABLE 2.0-1
SUMMARY OF DATA FOR
200 SERIES SHALLOW BORINGS
AT THE
RICHTON DOME

| Boring No. | Location | Owner | Contractor | Date Boring Began - Completed | Ground Level Elevation (Feet, MSL) | Total Depth of Hole (Feet) | Hole Diameter (Inches) | Geophysical Logs | Casing Diameter (Inches) | Total Casing Length (Feet) | Casing Type | Depth Cemented (Feet) | Screened Interval (Feet)/ Formation | Gravel Packed Interval (Feet) | Minimum Water Level (Feet, MSL)/ Date Taken | Maximum Water Level (Feet, MSL)/ Date Taken |
|------------|--|-----------|--------------|-------------------------------|------------------------------------|----------------------------|------------------------|---|--------------------------|----------------------------|-------------|-----------------------|-------------------------------------|-------------------------------|---|---|
| MRIG-212 | 848.0' FNL 933.1' FEL Sec 35 T5N R10W | Valentina | Pope Testing | 10/29/79 11/7/79 | 280.5 | 180.5 | 6 | Gamma Resistivity SP/Neutron Caliper | 2 (OD) | 149.83 | PVC | 0-60 | 149.5-159.5 Hattiesburg | 80.0 to 180.0 | 216.76 1/10/80 | 218.31 4/29/80 |
| MRIG-213 | 28.3' FSL 646' FEL Sec 36 T5N R10W | McLendon | Pope Testing | 11/12/79 11/13/79 | 178.3 | 100.5 | 5 7/8 | Resistivity/ SP Gamma/Caliper Neutron/ | 2 (OD) | 73.87 | PVC | 0-10 | 72-82 Citronelle | 10.0 to 100.5 | 166.33 1/26/80 | 169.33 4/29/80 |
| MRIG-215 | 656.7' FNL 680.1' FWL Sec 1 T4N R10W | Hillman | Pope Testing | 11/16/79 11/17/79 | 220.2 | 120.5 | 6 | Resistivity/ SP Gamma/Caliper Neutron * | 2 (OD) | 101.3 | PVC | 0-67.0 | 100-110 Hattiesburg | 70.0 to 120.5 | 195.54 1/10/80 | 196.01 4/29/80 |
| MRIG-216 | 2486' FSL 50' FWL Sec 1 T4N R10W | McLendon | Pope Testing | 11/14/79 11/15/79 | 218.5 | 120.5 | 6 | Resistivity/ SP Gamma/ Neutron/ Caliper | 2 (OD) | 99.95 | PVC | 0-82.0 | 98-108 Hattiesburg | 85.0 to 120.5 | 150.19 1/10/80 | 152.2 4/30/80 |
| MRIG-217 | 1708.9' FNL 1688.4' FWL Sec 11 T4N R10W | Godfrey | Pope Testing | 12/4/79 12/6/79 | 269.8 | 179.6 | 6 | Caliper/ Gamma/ Neutron | 2 (OD) | 160.87 | PVC | 0-147 | 159.0-169.0 Hattiesburg | 150.0 to 179.6 | 136.97 1/16/80 | 138.29 4/30/80 |
| MRIG-219 | 2010.5' FSL 2228.4' FEL Sec 27 T5N R10W | Hillman | Pope Testing | 11/19/79 11/21/79 | 239.7 | 140.9 | 6 | Caliper/Gamma Neutron Resistivity/ SP | 2 (OD) | 97.85 | PVC | 0-89 | 96.0-106.0 Hattiesburg | 92.0 to 140.9 | 191.96 4/30/80 | 193.65 1/16/80 |

SBC-1002D-0

JOB NO. MV9700

TABLE 2.0-1
SUMMARY OF DATA FOR
200 SERIES SHALLOW BORINGS
AT THE
RICHTON DOME

| Boring No. | Location | Owner | Contractor | Date Boring Began - Completed | Ground Level Elevation (Feet, MSL) | Total Depth of Hole (Feet) | Hole Diameter (Inches) | Geophysical Logs | Casing Diameter (Inches) | Total Casing Length (Feet) | Casing Type | Depth Cemented (Feet) | Screened Interval (Feet)/ Formation | Gravel Packed Interval (Feet) | Minimum Water Level (Feet, MSL)/ Date Taken | Maximum Water Level (Feet, MSL)/ Date Taken |
|------------|---|----------|--------------|-------------------------------|------------------------------------|----------------------------|--|--|--------------------------|----------------------------|-------------|-----------------------|-------------------------------------|-------------------------------|---|---|
| MRIG-220 | 1170.9' FSL 774.6' FEL Sec 1 T4N R10W | Oliphant | Pope Testing | 11/3/79 11/5/79 | 215.7 | 120.5 | 6 | Calliper/Gamma Neutron Resistivity/ SP | 2 (OD) | 69.48 | PVC | 0-60 | 68.5-78.5 Terrace Deposit | 65.0 to 120.5 | 156.4 1/10/80 | 159.41 4/29/80 |
| MRIG-222 | 730.5' FSL 118.3' FEL Sec 35 T5N R10W | Oliphant | Pope Testing | 11/19/79 11/20/79 | 209.4 | 124.0 | 8" (0-61') 5 7/8" (61-124') | Caliper/Gamma Neutron Resistivity/ SP | 4 (ID) | 41.98 | PVC | 0-27' | 40-50 Hattiesburg | 30.0 to 58.0 | 194.46 2/20/80 | 196.11 4/29/80 |
| MRIG-223 | 105' FNL 558.3' FWL Sec 2 T4N R10W | Oliphant | Pope Testing | 11/28/79 11/30/79 | 265.5 | 160.5 | 8" (0-130') 5 7/8" (130-160') | Resistivity/ SP Gamma/ Neutron Caliper | 4 (ID) | 85.8 | PVC | 0-14.5 | 85-95 Citronelle | 14.5 to 160.5 | 193.16 1/7/80 | 197.21 4/30/80 |
| MRIG-224 | 1925.7' FNL 2036.8' FEL Sec 3 T4N R10W | Oliphant | Pope Testing | 12/10/79 12/11/79 | 261.8 | 130.0 | 8" | Caliper/Gamma Neutron Resistivity/ SP | 4 (ID) | 121.17 | PVC | 0-9.5 | 118.5-128.5 Citronelle | 9.5 to 130.0 | 173.99 1/26/80 | 176.71 3/31/80 |
| MRIG-226 | 60.7' FSL 974.7' FWL Sec 26 T5N R10W | Hillman | Pope Testing | 10/23/79 10/24/79 | 262.6 | 160.5 | 6 | Gamma/ Neutron | 2 (OD) | 66.74 | PVC | 0-47 | 64.5-74.5 Hattiesburg | 50.0 to 160.5 | 237.2 1/9/80 | 239.22 4/30/80 |
| MRIG-227 | 425.1' FNL 2739.8' FWL Sec 34 T5N R10W | Hillman | Pope Testing | 11/16/79 11/18/79 | 237.3 | 140.5 | 6 | Caliper/Gamma Neutron Resistivity/ SP | -- | 66.0 | PVC | 0-43.67 | 65.33-75.33 Hattiesburg | 47.0 to -- | 201.98 1/9/80 | 206.01 3/30/80 |
| MRIG-228 | 695.5' FNL 4551.8' FWL Sec 33 T5N R10W | Midway | Pope Testing | 10/4/79 10/6/79 | 185.1 | 120.3 | 5 7/8 | SP/ Resistivity Caliper/Gamma/ Neutron | 2 (OD) | 100.27 | PVC | 0-80.0 | 98.4-108.4 Hattiesburg | 85.0 to 120.3 | 166.87 1/9/80 | 167.88 4/29/80 |

TABLE 2.0-1
SUMMARY OF DATA FOR
200 SERIES SHALLOW BORINGS
AT THE
RICHMOND DOME

| Boring No. | Location | Owner | Contractor | Date Boring Began - Completed | Ground Level Elevation (Feet, MSL) | Total Depth of Hole (Feet) | Hole Diameter (Inches) | Geophysical Logs | Casing Diameter (Inches) | Total Casing Length (Feet) | Casing Type | Depth Cemented (Feet) | Screened Interval (Feet)/ Formation | Gravel Packed Interval (Feet) | Minimum Water Level (Feet, MSL)/ Date Taken | Maximum Water Level (Feet, MSL)/ Date Taken |
|------------|--|----------|--------------|-------------------------------|------------------------------------|----------------------------|--|---|--------------------------|----------------------------|-------------|-----------------------|--------------------------------------|-------------------------------|---|---|
| NRIG-229 | 1341.3' FNL 1380.5' FEL Sec 32 T5N R10W | Beasley | Pope Testing | 10/6/79 10/8/79 | 144.7 | 99.5 | 5 7/8 | Caliper/Gamma/ Neutron SP/ Resistivity | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| NRIG-230 | 301' FLS 2805' FNL Sec 34 T5N R10W | Smith | Pope Testing | 12/2/79 12/3/79 | 257.8 | 159.5 | 8" (0-135') 5 7/8" (135-159.5') | Gamma/ Neutron Resistivity | 4 (ID) | 122.42 | PVC | 0-10.5 | 121-131 Citronelle to 159.5 | 10.5 to 159.5 | 144.14 1/26/80 | 145.42 4/30/80 |
| NRIG-232 | 2171.5' FSL 1173.9' FNL Sec 4 T4N R9W | Masonite | Pope Testing | 11/30/79 12/2/79 | 223.5 | 120.5 | 6 | Resistivity/ SP Gamma/ Neutron | 2 (OD) | 109.74 | PVC | 0-10 | 108.5-118.5 Hattiesburg | 10.0 to 120.5 | 195.51 1/30/80 | 195.78 1/23/80 |

TABLE 2.0-2

SUMMARY OF DATA FOR
300 SERIES SHALLOW BORINGS
AT THE
RICHTON DOME

Page 1 of 2

| Boring No. | Location | Owner | Contractor | Date Boring Began - Completed | Ground Level Elevation (Feet, MSL) | Total Depth of Hole (Feet) | Hole Diameter (Inches) | Geophysical Logs |
|------------|--|----------|--------------|-------------------------------|------------------------------------|----------------------------|------------------------|--|
| MRIG-301 | 2094' FNL 514.6' FEL Sec 14 T5N R10W | Masonite | Pope Testing | 2/16/80 2/25/80 | 272.3 | 500.0 | 4 | SP/Resistivity Acoustic-Velocity Gamma/Resistance/ Neutron |
| MRIG-302 | 1881.3' FNL 546.1' FWL Sec 23 T5N R10W | Masonite | Pope Testing | 3/1/80 3/5/80 | 254.7 | 500.0 | 6 | SP/Resistivity Caliper/Density Gamma/Resistance/ Neutron Caliper/Gamma |
| MRIG-303 | 508.3' FSL 875.7' FEL Sec 27 T5N R10W | Hillman | Pope Testing | 2/26/80 2/29/80 | 231.0 | 491.0 | 6 | Caliper/Density SP/Resistivity Gamma/Resistance/ Neutron |
| MRIG-304 | 1196.6' FNL 2437.9' FWL Sec 34 T5N R10W | Hillman | Pope Testing | 3/10/80 3/11/80 | 236.8 | 500 | 6 | Caliper/Density SP/Resistivity Gamma/Resistance/ Neutron |
| MRIG-305 | 391.8' FSL 156' FWL Sec 3 T4N R10W | McSwain | Pope Testing | 3/13/80 3/19/80 | 230.5 | 550.9 | 6 | SP/Resistivity Gamma/Caliper/ Resistance/ Neutron |
| MRIG-306 | 148' FNL 1654.1' FWL Sec 2 T4N R10W | Clearman | Pope Testing | 3/14/80 3/26/80 | 226.2 | 490.0 | 6 | Caliper/Density Gamma/Resistance/ Neutron SP/Resistivity |

TABLE 2.0-2

SUMMARY OF DATA FOR
300 SERIES SHALLOW BORINGS
AT THE
RICHTON DOME

Page 2 of 2

| Boring No. | Location | Owner | Contractor | Date Boring Began - Completed | Ground Level Elevation (Feet, MSL) | Total Depth of Hole (Feet) | Hole Diameter (Inches) | Geophysical Logs |
|------------|---|---------|--------------|-------------------------------|------------------------------------|----------------------------|------------------------|--|
| MRIG-307 | 1325.9' FSL 760.4' FEL Sec 35 T5N R10W | Hillman | Pope Testing | 3/30/80 4/10/80 | 213.6 | 533.50 | 6 | Gamma/Caliper Resistance/Neutron Caliper/Density Differential Temp. SP/Resistivity |
| MRIG-308 | 1768.6' FNL 1676' FWL Sec 36 T5N R10W | Hillman | Pope Testing | 3/24/80 3/29/80 | 245.5 | 500.00 | 6 | Caliper/Density SP/Resistivity Gamma/Caliper Resistance/Neutron |
| MRIG-309 | 296.6 FSL 1654.4' FWL Sec 34 T5N R10W | Ridgway | Pope Testing | 5/10/80 5/12/80 | 250.6 | 360.0 | 5 7/8 | Gamma/Resistance/ Neutron Caliper/Density SP/Resistivity |
| MRIG-310 | 435.7' FNL 3067.8' FWL Sec 34 T5N R10W | Hillman | Pope Testing | 5/14/80 5/15/80 | 237.5 | 400.0 | 5 7/8 | SP/Resistivity Gamma/Caliper/ Resistance/Neutron Caliper/Density |

ONWI-181
Distribution Category UC-70

**Gulf Coast Salt Domes
Well Completion Report:
Site LH-2**

Technical Report

August 1982

**Law Engineering Testing Company
2749 Delk Road, S.E.
Marietta, GA 30067**

This report was prepared by Law Engineering Testing Company under Subcontract E512-00400 with Battelle Project Management Division, Office of Nuclear Waste Isolation under Contract No. DE-AC06-76-RLO1830-ONWI with the U.S. Department of Energy. This contract was administered by the Battelle Office of Nuclear Waste Isolation.

TABLE 3.2-3

GEOPHYSICAL LOGS AND SIDEWALL CORES FOR WELL LH-2A

| LOGGING CONTRACTOR | LOGGED INTERVAL (FT.) | DATE STARTED | TYPE OF LOG |
|-----------------------|--------------------------|-----------------|--------------------------|
| Gearhart-Owen | 70 - 404 | 01/15/80 | Compensated Density |
| Gearhart-Owen | 70 - 404 | 01/15/80 | Compensated Neutron |
| Gearhart-Owen | 70 - 404 | 01/15/80 | Gamma Ray |
| Gearhart-Owen | 70 - 404 | 01/15/80 | Caliper |
| Gearhart-Owen | 70 - 404 | 01/15/80 | Dual Induction Laterolog |
| Gearhart-Owen | 70 - 404 | 01/15/80 | Spontaneous Potential |
| Gearhart-Owen | 70 - 404 | 01/15/80 | B H C Sonic |
| Gearhart-Owen | 51 - 404 | 01/15/80 | Caliper |
| Gearhart-Owen | 400 - 1828 | 01/22/80 | Compensated Density |
| Gearhart-Owen | 400 - 1828 | 01/22/80 | Compensated Neutron |
| Gearhart-Owen | 400 - 1828 | 01/22/80 | Gamma Ray |
| Gearhart-Owen | 400 - 1828 | 01/22/80 | Caliper |
| Gearhart-Owen | 24 - 1830 | 01/22/80 | Temperature |
| Gearhart-Owen | 400 - 1824 | 01/22/80 | Induction Resistivity |
| Gearhart-Owen | 400 - 1824 | 01/22/80 | Conductivity |
| Gearhart-Owen | 400 - 1824 | 01/22/80 | Spontaneous Potential |
| Gearhart-Owen | 400 - 1838 | 01/22/80 | B H C Sonic |
| Gearhart-Owen | 400 - 1830 | 01/22/80 | Caliper |
| Gearhart-Owen | 400 - 1830 | 01/22/80 | Micro-Electric |
| Gearhart-Owen | 386 - 1834 | 01/22/80 | Caliper |
| Gearhart-Owen | 400 - 1834 | 01/22/80 | Spontaneous Potential |
| Gearhart-Owen | 543 - 1825 | 01/22/80 | Sidewall Cores |
| Karl F. Edmonds, Inc. | 1500 - 1808.5 | 02/01/80 | Gamma Ray |
| Karl F. Edmonds, Inc. | 1500 - 1808.5 | 02/01/80 | Caliper |
| Karl F. Edmonds, Inc. | 100 - 1565 | 02/01/80 | Cement Bond |
| Karl F. Edmonds, Inc. | 1500 - 1803 | 02/01/80 | Acoustic Gravel Pack |

WC-10012G-0

JOB NO. MV9700

Note: Copies of the geophysical logs for Well LH-2A are presented in Appendix B.

ONWI-182
Distribution Category UC-70

**Gulf Coast Salt Domes
Well Completion Report:
Site LVH-6**

Technical Report

August 1982

Law Engineering Testing Company
2749 Delk Road, S.E.
Marietta, GA 30067

This report was prepared by Law Engineering Testing Company under Subcontract E512-00400 with Battelle Project Management Division, Office of Nuclear Waste Isolation under Contract No. DE-AC06-76-RLO1830-ONWI with the U.S. Department of Energy. This contract was administered by the Battelle Office of Nuclear Waste Isolation.

TABLE 3.2-3

GEOPHYSICAL LOGS AND SIDEWALL CORES FOR WELL LVH-6A

| LOGGING CONTRACTOR | LOGGED INTERVAL (FT.) | DATE STARTED | TYPE OF LOG |
|--------------------|-----------------------|--------------|----------------------------|
| Bearhart-Owen | 87 - 404 | 04/29/80 | Dual Induction - Laterolog |
| Bearhart-Owen | 87 - 404 | 04/29/80 | Gamma Ray |
| Bearhart-Owen | 87 - 404 | 04/29/80 | Spontaneous Potential |
| Bearhart-Owen | 87 - 404 | 04/29/80 | Caliper |
| Bearhart-Owen | 87 - 404 | 04/29/80 | Gamma Ray |
| Bearhart-Owen | 87 - 404 | 04/29/80 | Compensated Density |
| Bearhart-Owen | 87 - 404 | 04/29/80 | Compensated Neutron |
| Bearhart-Owen | 87 - 404 | 04/29/80 | Caliper |
| Bearhart-Owen | 87 - 404 | 04/29/80 | Gamma Ray |
| Bearhart-Owen | 90 - 400 | 04/29/80 | B H C Sonic |
| Bearhart-Owen | 90 - 400 | 04/29/80 | Caliper |
| Bearhart-Owen | 90 - 400 | 04/29/80 | Gamma Ray |
| Bearhart-Owen | 380 - 3002 | 05/09/80 | Dual Induction - Laterolog |
| Bearhart-Owen | 380 - 3002 | 05/09/80 | Gamma Ray |
| Bearhart-Owen | 380 - 3002 | 05/09/80 | Spontaneous Potential |
| Bearhart-Owen | 360 - 3001 | 05/09/80 | Micro-Resistivity |
| Bearhart-Owen | 360 - 3001 | 05/09/80 | Caliper |
| Bearhart-Owen | 360 - 3001 | 05/09/80 | Spontaneous Potential |
| Bearhart-Owen | 370 - 3001 | 05/09/80 | B H C Sonic |
| Bearhart-Owen | 370 - 3001 | 05/09/80 | Gamma Ray |
| Bearhart-Owen | 370 - 3001 | 05/09/80 | Caliper |
| Bearhart-Owen | 370 - 3001 | 05/09/80 | Compensated Density |
| Bearhart-Owen | 370 - 3001 | 05/09/80 | Compensated Neutron |
| Bearhart-Owen | 370 - 3001 | 05/09/80 | Gamma Ray |
| Bearhart-Owen | 370 - 3001 | 05/09/80 | Caliper |
| Bearhart-Owen | 1784 - 2824 | 05/09/80 | Formation Tester |
| Bearhart-Owen | 373 - 3000 | 05/10/80 | Temperature |
| Bearhart-Owen | 440 - 3003 | 05/10/80 | Spontaneous Potential |
| Bearhart-Owen | 373 - 3000 | 05/10/80 | Dipmeter |
| Bearhart-Owen | 820 - 3003 | 05/11/80 | Sidewall Cores |
| Carl F. Edmonds | 0 - 2483 | 05/29/80 | Cement Bond |
| Carl F. Edmonds | 2400 - 2691 | 05/30/80 | Acoustic Gravel Pack |
| Carl F. Edmonds | 2400 - 2700 | 05/30/80 | Gamma Ray |
| Carl F. Edmonds | 2400 - 2700 | 05/30/80 | Caliper |

NC-10013G-0

JOB NO. MV9700

NOTE: Copies of the Geophysical Logs for Well LVH-6A are provided in Appendix B.

ONWI-183
Distribution Category UC-70

**Gulf Coast Salt Domes
Well Completion Report:
Site LH-7**

Technical Report

August 1982

**Law Engineering Testing Company
2749 Delk Road, S.E.
Marietta, GA 30067**

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TABLE 3.2-3

GEOPHYSICAL LOGS AND SIDEWALL CORES FOR WELL LH-7A

| LOGGING CONTRACTOR | LOGGED INTERVAL (FT.) | DATE STARTED | TYPE OF LOG |
|-----------------------|--------------------------|-----------------|-------------------------------------|
| Richard-Owen | 60 - 400 | 02/26/80 | B H C Sonic |
| Richard-Owen | 60 - 404 | 02/26/80 | Compensated Density |
| Richard-Owen | 60 - 404 | 02/26/80 | Caliper |
| Richard-Owen | 60 - 404 | 02/26/80 | Gamma Ray |
| Richard-Owen | 60 - 404 | 02/26/80 | Compensated Neutron |
| Richard-Owen | 58 - 404 | 02/26/80 | Dual Induction-Laterolog |
| Richard-Owen | 58 - 404 | 02/26/80 | Spontaneous Potential |
| Richard-Owen | 394 - 2617 | 03/04/80 | Micro-Electric |
| Richard-Owen | 394 - 2617 | 03/04/80 | Caliper |
| Richard-Owen | 394 - 2617 | 03/04/80 | Spontaneous Potential |
| Richard-Owen | 490 - 2590 | 03/05/80 | Sidewall Cores |
| Richard-Owen | 383 - 2617 | 03/05/80 | Dual Induction-Laterolog |
| Richard-Owen | 383 - 2617 | 03/05/80 | Spontaneous Potential |
| Richard-Owen | 340 - 2617 | 03/05/80 | Temperature |
| Richard-Owen | 398 - 2605 | 03/05/80 | B H C Sonic |
| Richard-Owen | 398 - 2605 | 03/05/80 | Gamma Ray |
| Richard-Owen | 380 - 2617 | 03/05/80 | Integrated Hole Volume (Caliper) |
| Richard-Owen | 400 - 2616 | 03/05/80 | Compensated Density |
| Richard-Owen | 400 - 2616 | 03/05/80 | Compensated Neutron |
| Richard-Owen | 400 - 2616 | 03/05/80 | Caliper |
| Richard-Owen | 400 - 2616 | 03/05/80 | Gamma Ray |
| Earl F. Edmonds, Inc. | 0 - 1553 | 03/12/80 | Gamma Ray |
| Earl F. Edmonds, Inc. | 1365 - 1560 | 03/12/80 | Caliper |
| Earl F. Edmonds, Inc. | 50 - 1428 | 03/12/80 | Cement Bond |
| Earl F. Edmonds, Inc. | 1400 - 1552 | 03/12/80 | Acoustic Gravel Pack |

3-10014G-0

JOB NO. MV9700

Note: Copies of the geophysical logs for Well LH-17A are presented in Appendix B.

ATTACHMENT B

ITEM 3, SEISMIC REFLECTION SECTIONS

This data set contains 30 seismic reflection sections. It includes three types of sections from each 10 seismic lines. The lines were recorded at three salt domes: Richton Dome (3 lines), Mississippi, Cypress Creek Dome (3 lines), Mississippi, and Vacherie Dome (4 lines), Louisiana. The three types of sections included are

- o Normal Stacked Time Sections
- o Migrated Time Sections
- o Depth Sections

All the data were recorded using techniques designed to achieve higher resolution than is normally obtained in seismic exploration for oil. Consequently, the depth penetration is relatively shallow. The energy source used at the Mississippi domes was a hydraulic lawn tamper, employed in the MINI-SOSIE technique. Small dynamite charges were used as the energy source at Vacherie Dome.

The labels on the sections describe the parameters used in acquisition and processing.



ATTACHMENT C

ITEM 4, GRAVITY DATA

This data set contains gravity data from three salt domes, Richton Dome, Mississippi, Cypress Creek Dome, Mississippi, and Vacherie Dome, Mississippi.

RICHTON DOME

Data from Richton Dome are presented on two maps and one tabulation as follows:

- o Contour map, with plot of LETCo stations and Bouguer values.
- o Station Location Map, with plot and identification number of LETCo stations and lines showing nominal distribution of proprietary data.
- o Tabulation of information about LETCo stations (7 pages)

The contour map is based on two data sets; one measured for the project by Austin Exploration under contract to LETCo, the other proprietary data from Exploration Surveys Inc. (ESI). The latter set is licensed by ESI for Earth Technology use, but not for further dissemination. The purpose of the profile lines on the location map is to permit users of the contour map to see the general degree to which the contours are controlled by data. There are 4095 stations in the ESI data; their average separation along the profiles is about 1/4 mile. The tabulation is copied from, "Gravity Studies of Seven Interior Salt Domes," which was issued by



LETCo in 1981. There are 25 stations in the list that are not on the maps. Stations 15, 56, 58, 87, 132, 140, 156, 192, 235, 240, 255, 293, 301, 321, 345 and 356 are deleted because they are coincident with ESI stations. Stations 37, 177, 178, 179, 244, 245, 312, 352 and 353 were deleted because some of the tabulated values do not agree with the Bouguer gravity map in the LETCo report. A datum shift of +32.38 milligals was applied to the tabulated values for use with the ESI data.

CYPRESS CREEK DOME

One Bouguer gravity contour map and one tabulation (3 pages) copied from LETCo's 1981 report, "Gravity Studies of Seven Interior Salt Domes" are included. Earth Technology has no other gravity data pertaining to Cypress Creek dome.

VACHERIE DOME

The Vacherie Dome gravity data set contains only one residual gravity contour map copied from the 1981 LETCo report. A Bouguer gravity map is not presented in this report. Earth Technology has available 5500 stations of proprietary data licensed for use from Texaco and 236 unreduced gravity meter observations from this area. Processing of these data into useful and transmittable form is pending direction to proceed with studies of Vacherie dome.

