



BUREAU OF ECONOMIC GEOLOGY
THE UNIVERSITY OF TEXAS AT AUSTIN

University Station, Box X • Austin, Texas 78713-7508 • (512) 471-1534 or 471-7721

May 5, 1987

Dr. Theodore J. Taylor
Technical Manager
Salt Repository Project Office
U. S. Department of Energy
110 North 25 Mile Road
Hereford, TX 79045

WM Record File

106

WM Project

16

Docket No. 1928 #13

PDR

LPDR

Distribution:

R. JOHNSON

ROSS

(Return to WM, 623-SS)

Trapp

Yeering

Kelly

Dear Dr. Taylor:

Enclosed is the current list of Open-Filed Reports associated with DOE Contract No. DE-AC97-83WM46651. This list, dated April 22, 1987, supersedes all previous lists and includes the open-filed reports that were issued during the month of April.

The reports are "Diagenesis of the San Andres Formation: Unit 4 Carbonate, G. Friemel and Detten Wells (OF-WTWI-1985-41, Revision 1)," by S. Hovorka, and "Left-Lateral Intraplate Deformation along the Ancestral Rocky Mountains: Implications for Late Paleozoic Plate Motions (OF-WTWI-1986-4)," by R. Budnik. Copies of this list have been mailed to the people shown on the attached address sheet. If you have any questions, please do not hesitate to contact us.

Sincerely,

Doug Ratcliff
Associate Director

DCR:CL:c1

cc: S. Heston
J. Raney
J. Williams
QA Files

WM DOCKET CONTROL
CENTER

'87 MAY 11 P12:11

8709080156 870505
PDR WASTE
WM-16 PDR

87050265

H

1633

Open-File Reports Updates Mailing List:

Ms. Barbara Baffe
Nuclear Waste Consultants
8341 South Sangre De Christo Road #14
Littleton, CO 80127

Mr. Tom Clareson
Geoengineering Resource Center
Battelle Project Management Division
Battelle Memorial Institute
505 King Avenue
Columbus, OH 43201

Mr. Larry Drover
Technical Information Center
Battelle Project Management Division
Battelle Memorial Institute
505 King Avenue
Columbus, OH 43201

Mr. Robert Johnson
Division of Waste Management
U. S. Nuclear Regulatory Commission
Mail Stop 623-SS
Washington, D.C. 20555

Mr. Walt Kelly
Division of Waste Management
U. S. Nuclear Regulatory Commission
7915 Eastern Avenue
Mail Stop 623-SS
Silver Spring, MD 20910

Mr. Robert Knowlton, Jr.
Daniel B. Stevens & Associates
600 Neel Avenue
Socorro, NM 87801

Mr. Jerry Pearring
Division of Waste Management
U. S. Nuclear Regulatory Commission
7915 Eastern Avenue
Mail Stop 623-SS
Silver Spring, MD 20910

Mr. Fred Ross
Division of Waste Management
U. S. Nuclear Regulatory Commission
7915 Eastern Avenue
Mail Stop 623-SS
Silver Spring, MD 20910

Mr. John Trapp
Division of Waste Management
U. S. Nuclear Regulatory Comm.
7915 Eastern Avenue
Mail Stop 623-SS
Silver Spring, MD 20910

OPEN-FILED REPORTS
Bureau of Economic Geology
The University of Texas at Austin

April 22, 1987

DOE Contract No. DE-AC97-83WM46651

<u>Open File Report No.</u>	<u>Title, Report Type, Author, Date Open-Filed</u>
OF-WTWI-1982-1	Hydrology of the Palo Duro Basin, Texas Panhandle Milestone Report (5.6.1) Hydrogeologic Units (5.1 & 5.1.1); (5.6.2) Relationship Among Hydrogeologic Units (5.1.2); (5.6.3) Potentiometric Level (5.1.3); (5.6.4) Hydraulic Characteristics of Principal Hydrogeologic Units (5.1.4); (5.7.1) Identification of Recharge and Discharge Areas (5.2.1); (5.7.2) Principal Ground- Water Flow Paths (5.2 & 5.2.2); and (5.7.3) Isotopic and Regional Hydrochemistry (5.2.3, 5.3.2, 6.2A, 6.2D) Staff, Bureau of Economic Geology 07/18/84
OF-WTWI-1982-2	Information incorporated into the following reports: OF-WTWI-1984-40, OF-WTWI-1984-48, RI 121, GC 85-4
OF-WTWI-1982-3	Use of Kriging to Estimate the Wolfcampian and San Andres Potentiometric Surfaces, Palo Duro Basin, Texas Panhandle Milestone Report (5.6.1) Hydrogeologic Units A. Smith and E. Orr 07/18/84
OF-WTWI-1983-1	Tectonic History of the Palo Duro Basin, Texas Panhandle Milestone Report (332 FH) Tectonic History (3.3.2) R. Budnik 07/09/84
OF-WTWI-1983-2	Tectonic Framework of the Palo Duro Basin, Texas Panhandle Milestone Report (332FH) Tectonic Framework (3.3.1) R. Budnik 07/09/84
OF-WTWI-1983-3 Revision 1	Superseded by Geological Circular GC 86-6, "Fracture Analyses of the Palo Duro Basin Area, Texas Panhandle and Eastern New Mexico," by E. Collins and B. Luneau
OF-WTWI-1983-4	Identification of Recharge-Discharge Areas of the Palo Duro Basin, Texas Panhandle Milestone Report (332 FI) Identification of Recharge- Discharge Areas (5.7.1) R. Senger and B. Richter 06/29/84

OF-WTWI-1983-5

Texas Panhandle Mineral Assessment: Summary Report
Milestone Report (332 FH) Mineral and Hydrocarbon
Resources (3.7) and (332 FH) Mineral Resources (3.7.1)
Bureau of Business Research, UT-Austin (for BEG)
07/03/84

OF-WTWI-1983-6

Texas Panhandle Mineral Assessment: The Petroleum
Industry
Milestone Report (332 FH) Hydrocarbon Resources
(3.7.2)
Bureau of Business Research, UT-Austin (for BEG)
07/03/84

OF-WTWI-1983-7

Was not issued.

OF-WTWI-1983-8

Mineral Resources of the Palo Duro Basin and
Surrounding Areas, Texas Panhandle
Milestone Report (3.7.1) Mineral Resources (3.9);
Surface Mining (3.9.1); Analysis of Resources-
Determine Uranium Potential in the Ogallala Formation,
Dockum Group, and Permian Rocks in the Palo Duro Basin
(3.9.4E); and Host-Rock Geochemistry - Resource
Investigation, Copper Sabkha Model, Uranium, Non-
Metallic (6.1B)
A. Kolker
07/18/84

OF-WTWI-1983-9

Hydrocarbon Resources of the Palo Duro Basin, Texas
Panhandle
Milestone Report (3.7.2) Hydrocarbon Resources (3.9.3)
S. Dutton
07/09/84

OF-WTWI-1983-10

Geomorphic Processes of the Texas Panhandle
Milestone Report (3.1.3) Geomorphic Processes
(3.4.2.2)
R. Baumgardner
07/18/84

OF-WTWI-1983-11

Surface Geology of the Palo Duro and Dalhart Basins
Area, Texas
Milestone Report (3.2.1) Surface Geology (3.5.7)
A. Smith
07/18/84

OF-WTWI-1983-12

Supplemental Report for Pressure-Depth Relationships,
Potentiometric Levels, and Hydrochemistry of the Palo
Duro Basin, Texas
Supplement to Milestones (5.6.2) Relationships Among
Hydrogeologic Units; (5.6.3) Potentiometric Level;
(5.6.3.1) Potentiometric Level of the Deep-Basin Brine
Aquifer; (5.7.3) Isotopic and Regional Hydrochemistry;
(5.7.3.1) Isotopic and Regional Hydrochemistry of the
Deep-Basin Brine Aquifer
E. Orr, R. Senger, A. Smith and S. Fisher
10/09/84

OF-WTWI-1983-13

Hydrogeochemistry of the Palo Duro Basin, Texas
Panhandle
Milestone Report (3.3.2.5) Hydrogeochemistry (6.2)
S. Fisher
07/18/84

OF-WTWI-1983-14

Hydrocarbon Resources of the Palo Duro Basin, Texas
Panhandle
Milestone Report (332 FH) Hydrocarbon Resources
(3.7.2)
S. Ruppel and S. Dutton
07/09/84

OF-WTWI-1984-1

A Comparison of the Depositional Environment of the
San Andres Formation in the Palo Duro Basin to Recent
Evaporitic Environments
Milestone Report (332 FJ) Geochemistry (6.0) and (332
FJ) Natural Analogs (6.4)
J. Chapman
05/07/84

OF-WTWI-1984-2

Uplift, Tilting and Subsidence of the Palo Duro Basin
Area
Milestone Report (3.3.2.2 A,C,E,I) Tectonic History
D. McGookey
05/15/84

OF-WTWI-1984-3

Salt Dissolution: Examples from Beneath the Southern
High Plains
Milestone Report (3.3.2.2 G) Geomorphic Processes and
(3.3.2.2 R) Salt Dissolution
T. Gustavson and R. Budnik
05/15/84

OF-WTWI-1984-4

Active Stress Field in the Texas Panhandle
Milestone Report (3.3.2.2 B) Tectonic History
R. Budnik
05/21/84

OF-WTWI-1984-5

Status of Borehole Sealing Research and Its
Application to the Palo Duro Basin
Milestone Report (332 FI) Relationships Among
Hydrogeologic Units (5.6.2)
W. Simpkins
05/24/84

OF-WTWI-1984-6

Investigation of Underpressuring in the Deep-Basin
Brine Aquifer, Palo Duro Basin, Using Pressure/Depth
Profiles
Milestone Report (332 FI) Relationships Among
Hydrogeologic Units (5.6.2)
E. Orr
05/23/84

OF-WTWI-1984-7	Potentiometric Level of the Deep-Basin Brine Aquifer, Palo Duro Basin, Texas Panhandle Milestone Report (332 FI) Potentiometric Level (5.6.3) A. Smith 05/23/84
OF-WTWI-1984-8 Revision 1	Superseded by RI 159, "Numerical Modeling of Regional Ground-Water Flow in the Deep-Basin Brine Aquifer of the Palo Duro Basin, Texas Panhandle," by P. Wirojanagud, C. Kreitler, and A. Smith
OF-WTWI-1984-9	Structural Control of Physiography, Geomorphic Processes, and Lithofacies, Texas Panhandle Milestone Report (332 FH) Geomorphology (3.1) and (332 FH) Physiography and Topography (3.1.1) T. Gustavson and R. Budnik 05/23/84
OF-WTWI-1984-10	Late Quaternary Paleoclimatology of the Southern High Plains of Texas -- Implications for Disposal of Nuclear Waste Milestone Report (332 FJ) Long-Term Climate Assessment (7.2), (332 FJ) Paleoclimatology (7.2.1), and (332 FJ) Future Climatic Variation (7.2.2) C. Caran and R. Neck 05/23/84
OF-WTWI-1984-11	Superseded by OF-WTWI-1985-45, Revision 1
OF-WTWI-1984-12	Quaternary Faulting in Southeastern Briscoe County, Texas Milestone Report (332 FH) Geomorphic Units (3.1.2) R. Baumgardner and C. Caran 05/23/84
OF-WTWI-1984-13	Stratigraphy of a Significant Quaternary Alluvial Sequence, Briscoe, Floyd, Hall, and Motley Counties, Texas Milestone Report (332 FH) Geomorphic Units (3.1.2) C. Caran and R. Baumgardner 05/23/84
OF-WTWI-1984-14	Historic Seismicity In and Around the Texas Panhandle Milestone Report (332 FH) Long-Term Regional Stability with Respect to Tectonic and Geologic Processes (3.5) W. Pennington and S. Davis 05/23/84
OF-WTWI-1984-15	Long-Term Rates of Denudation Based on Hypsometric Analysis of Drainage Basins and Underlying Salt Beds in the Texas Panhandle and Northeast New Mexico Milestone Report (332 FH) Geomorphic Processes (3.1.3) R. Baumgardner 05/31/84

OF-WTWI-1984-16

Modern Eolian Processes on the Southern High Plains
Milestone Report (332 FH) Geomorphic Processes (3.1.3)
M. Machenberg and C. Caran
05/23/84

OF-WTWI-1984-17

Analysis of Dust Trap Sediments Collected on the
Southern High Plains
Milestone Report (332 FH) Geomorphic Processes (3.1.3)
M. Machenberg
05/23/84

OF-WTWI-1984-18

Statistical Analysis of Erosion Pin Measurements: I.
Description of Erosion and Deposition at Six Stations
in the Texas Panhandle
Milestone Report (332 FH) Geomorphic Processes (3.1.3)
W. Simpkins
05/31/84

OF-WTWI-1984-19

Statistical Analysis of Erosion Pin Measurements: II.
Calculation and Projection of Erosion and Deposition
Rates at Six Stations in the Texas Panhandle
Milestone Report (332 FH) Geomorphic Processes (3.1.3)
W. Simpkins
05/31/84

OF-WTWI-1984-20

Superseded by GC 86-6 "Fracture Analyses of the Palo
Duro Basin Area, Texas Panhandle and Eastern New
Mexico," by E. Collins and B. Luneau

OF-WTWI-1984-21
Revision 1

Superseded by RI 156 "Cyclicity in the Middle Permian
San Andres Formation, Palo Duro Basin, Texas
Panhandle," by M. Fracasso and S. Hovorka

OF-WTWI-1984-22

Geostatistical Analysis of Potentiometric Surface of
the San Andres Formation, Texas Panhandle
Milestone Report (3.3.2.4 A) Hydrogeologic Units
A. Dutton and E. Orr
06/21/84

OF-WTWI-1984-23

Chemical Composition of Dockum Group Ground Water,
Texas Panhandle
Milestone Report (3.3.2.4 A) Hydrogeologic Units
A. Dutton and W. Simpkins
06/21/84

OF-WTWI-1984-24

Determination of Chemical Composition of San Andres
Brine at the Zeeck No. 1 Well near Tulia, Texas
Milestone Report (3.3.2.4 A) Hydrogeologic Units
A. Dutton

OF-WTWI-1984-25

Status Report on Identification of Discharge Areas of Deep-Basin Brine Aquifers, Hardeman Basin, Texas
Milestone Report (332GN D) Identification of Recharge-Discharge Areas
B. Richter, A. Smith and E. Orr

OF-WTWI-1984-26

Superseded by Geological Circular GC 85-4, "Amount and Nature of Occluded Water in Bedded Salt, Palo Duro Basin, Texas," by S. Fisher

OF-WTWI-1984-27

Preliminary Results of Porosity and Permeability of Cores from DOE Wells in the Palo Duro Basin, Texas Panhandle
Milestone Report (332GN C) Hydraulic Characteristics of Principal Hydrogeologic Units
R. Senger, A. Smith, and R. Conti
08/07/84

OF-WTWI-1984-28

Evaluation of the J. Friemel #1 Vertical Well Test, Deaf Smith County, Palo Duro Basin, Texas Panhandle
Milestone Report (332 GN C) Hydraulic Characteristics of Principal Hydrogeologic Units
A. Smith
08/07/84

OF-WTWI-1984-29

Experimental Modeling of Diapirs: Initial Report
Milestone Report (332HE C) Initial Report of Findings
M. Jackson
08/17/84

OF-WTWI-1984-30

Stratigraphy of the Palo Duro Basin - A Status Report
Milestone Report (332FH D1) Stratigraphy (3.2)
S. Ruppel and others
08/17/84

OF-WTWI-1984-31

Superseded by OF-WTWI-1985-21, Revision 1

OF-WTWI-1984-32

Modeling the Effects of Regional Hydrostratigraphy and Topography on Ground-Water Flow, Palo Duro Basin, Texas
Topical Report
R. Senger and G. Fogg
08/07/84

OF-WTWI-1984-33
Revision 2

Wolfcampian Series Porosity Distribution: Implications for Deep-Basin Ground-Water Flow in the Palo Duro Basin, Texas Panhandle
Milestone Report (332GN, Subtask V, B)
R. Conti, R. Senger, P. Wirojanagud, and M. Herron
06/30/86

OF-WTWI-1984-34	<p>Analysis of Dust Trap Sediments Collected on the Southern High Plains Milestone Report (332GM G) Geomorphic Processes and (332GM N) Physiography and Topography M. Machenberg 08/15/84</p>
OF-WTWI-1984-35	<p>Drainage Density in Five Representative Drainage Basins, Texas Panhandle and Northeast New Mexico Milestone Report (332GM G) Geomorphic Processes and (332GM N) Physiography and Topography R. Baumgardner 08/15/84</p>
OF-WTWI-1984-36	<p>Regional and Isotopic Hydrogeochemistry: Deep-Basin Brine Aquifer, Palo Duro Basin, Texas Panhandle Milestone Report (332GN B) Isotopic and Regional Hydrogeochemistry S. Fisher 08/22/84</p>
OF-WTWI-1984-37	<p>Regression Analysis of Erosion and Deposition at Six Stations in the Texas Panhandle Milestone Report (332GM G) Geomorphic Processes and (332GM K) Erosion Rates W. Simpkins 08/24/84</p>
OF-WTWI-1984-38	<p>Potentiometric Level of the Deep-Basin Brine Aquifer - A Status Report Milestone Report (332GN E) Potentiometric Level A. Smith 08/28/84</p>
OF-WTWI-1984-39	<p>Late Cenozoic Geomorphic Evolution of the Texas Panhandle and Northeastern New Mexico: Case Studies of Structural Controls of Regional Drainage Development Topical Report T. Gustavson and R. Finley 09/14/84</p>
OF-WTWI-1984-40	<p>Superseded by OF-WTWI-1985-45, Revision 1</p>
OF-WTWI-1984-41	<p>Chemical and Isotopic Composition of Waters from the Salina Ometepc, Baja California Milestone Report (332 GP B) Natural Analogs C. Kreitler, J. Chapman, and P. Knauth 09/14/84</p>
OF-WTWI-1984-42	<p>Hydrologic Test Data, J. Friemel #1 Well, Deaf Smith County, Palo Duro Basin, Texas Panhandle Milestone Report (332GN C) Hydraulic Characteristics of Principal Hydrogeologic Units A. Smith 09/21/84</p>

OF-WTWI-1984-43	Stratigraphic Studies of the Palo Duro Basin: An Update (1984) Milestone Report (332GM L) Stratigraphic Framework of the Candidate Area S. Ruppel, M. Fracasso, and D. Johns 09/19/84
OF-WTWI-1984-44	Vertical Hydraulic Conductivity, Flux, and Flow in the Deep-Basin Brine Aquifer, Palo Duro Basin, Texas Milestone Report (332GN F) Relationships Among Hydrogeologic Units E. Orr and R. Senger 09/21/84
OF-WTWI-1984-45	Core and Sample Analysis of the Dockum Group, DOE-Gruy Federal #1 Grabbe, Swisher County, Texas Topical Report D. Johns and S. Hovorka 09/28/84
OF-WTWI-1984-46	Potential for Petroleum Resources in the Palo Duro Basin Area, Texas Panhandle Milestone Report (332GM U) Mineral Resources and (332GM V) Hydrocarbon Resources S. Ruppel and S. Dutton 10/09/84
OF-WTWI-1984-47	Lower Permian (Wolfcampian) Stratigraphy and Paleogeography, Palo Duro Basin, Texas Topical Report M. Herron 10/17/84
OF-WTWI-1984-48 Revision 1	Geochemical and Textural Evidence of Primary and Syndepositionally Altered Halite, Permian Lower San Andres Formation, Palo Duro Basin, Texas Topical Report S. Fisher and S. Hovorka 04/01/86
OF-WTWI-1984-49	Quaternary Stratigraphy and Geologic Mapping, Western Rolling Plains of Texas Milestone Report (332GM F) Geomorphic Units and (332GM H) Surface Geology C. Caran and R. Baumgardner 10/11/84
OF-WTWI-1984-50	Superseded by Geological Circular GC 85-4, "Amount and Nature of Occluded Water in Bedded Salt, Palo Duro Basin, Texas," by S. Fisher
OF-WTWI-1984-51	Experimental Modeling of Salt Diapirs: Interim Report Milestone Report (332HE D) Interim Report of Conclusions M. Jackson 10/31/84

OF-WTWI-1984-52

Hydrology of an Evaporite Aquitard: Permian Evaporite Strata, Palo Duro Basin, Texas
Milestone Report (332GP) Hydrogeochemistry
C. Kreitler, S. Fisher, R. Senger, S. Hovorka, and A. Dutton
11/15/84

OF-WTWI-1984-53

Reconstruction of the Late Quaternary Paleoclimate of Northwestern Texas -- Progress Report, 1984
Milestone Report (332GM J) Paleoclimatology
C. Caran
12/19/84

OF-WTWI-1984-54

Hydrodynamic Development of the Palo Duro Basin and other Mechanisms Creating Possible Transient Flow Conditions
Milestone Report (332GN G) Principal Ground-Water Flow Paths
R. Senger
12/18/84

OF-WTWI-1984-55

Structural Geology and Tectonic History of the Palo Duro Basin, Texas Panhandle
Milestone Report (332GM) D. Tectonic History - Faulting History; O. Tectonic Framework; Q. Tectonic History - Folding History; S. Faulting History - Overview of Faulting; and T. Tectonic History - Long-Term Regional Stability with Respect to Tectonic and Geologic Processes
R. Budnik
12/21/84

OF-WTWI-1985-1

Radiocarbon Age of Quaternary Deposits, Western Rolling Plains of Texas
Milestone Report (332GM A)
C. Caran and R. Baumgardner
01/30/85

OF-WTWI-1985-2

Superseded by RI 157, "Hydrogeology and Hydrochemical Facies of the San Andres Formation in Eastern New Mexico and the Texas Panhandle," by A. Dutton and E. Orr

OF-WTWI-1985-3

Superseded by OF-WTWI-1985-35

OF-WTWI-1985-4

Evaluation of Numerical Codes for Fracture Flow Modeling
Milestone Report (332GN A)
R. Senger
02/22/85

OF-WTWI-1985-5	Initial Results of the Wolfcamp Pilot Study Milestone Report (332GP A) H. Posey, S. Fisher, and S. Tweedy 02/28/85
OF-WTWI-1985-6	Superseded by Report of Investigations RI 147, "Stratigraphy and Petroleum Potential of Pre- Pennsylvanian Rocks, Palo Duro Basin, Texas Panhandle," by S. Ruppel
OF-WTWI-1985-7 Revision 1	Geomorphic Development of the Canadian River Valley, Texas Panhandle: An Example of Regional Salt Dissolution and Subsidence Milestone Report (332GM B) T. Gustavson 03/07/86
OF-WTWI-1985-8	Superseded by OF-WTWI-1985-50
OF-WTWI-1985-9	Stratigraphy of Bedded Halite in the Permian San Andres Formation, Units 4 and 5, Palo Duro Basin, Texas Topical Report S. Hovorka, B. Luneau, and S. Thomas 04/03/85
OF-WTWI-1985-10	The Internal Structure of Model and Natural Salt Domes - Experimental Modeling of Salt Diapirs: Final Report Milestone Report (332HE E) Final Report of Conclusions M. Jackson and C. Talbot 04/23/85
OF-WTWI-1985-11	Future Climatic and Environmental Conditions in the Texas Panhandle -- A Geological Perspective Milestone Report (332GM W) Future Climatic Variation C. Caran 08/16/85
OF-WTWI-1985-12	Superseded by Report of Investigations RI 155, "Geochemistry of Salt-Spring and Shallow Subsurface Brines in the Rolling Plains of Texas and Southwestern Oklahoma," by B. Richter and C. Kreidler
OF-WTWI-1985-13	Erosion Rates and Processes in Subhumid and Semi-arid Climates, Texas Panhandle: Statistical Evaluation of Field Data Milestone Report (332GM, Subtask I, A) W. Simpkins and T. Gustavson 09/27/85
OF-WTWI-1985-14	Quaternary Stratigraphy of the Western Rolling Plains of Texas -- Preliminary Findings Milestone Report (332GM, Subtask III, B) C. Caran and others 10/29/85

OF-WTWI-1985-15	Mississippian Depositional History of the Texas Panhandle: A Reappraisal Milestone Report (332GM Subtask X, D) S. Ruppel 10/30/85
OF-WTWI-1985-16	Ground-Water Hydraulics of the Deep-Basin Aquifer System, Palo Duro Basin, Texas Panhandle Milestone Report (332GN, Subtask V, D) A. Smith, S. Akhter, and C. Kreidler 11/04/85
OF-WTWI-1985-17	WTWI Interim Report: Completion of Analyses, Wolfcamp Geochemistry Milestone Report (332GP Subtask I, A) H. Posey 10/31/85
OF-WTWI-1985-18	Morphometric Studies of Subhumid and Semiarid Drainage Basins, Texas Panhandle and Northeastern New Mexico Milestone Report (332GM, Subtask III, A) R. Baumgardner 11/11/85
OF-WTWI-1985-19	Stratigraphy and Influence of Porosity on Ground-Water Flow in the Wolfcamp Brine Aquifer, Palo Duro Basin, Texas Panhandle Milestone Report (332GN, Subtask V, E) R. Conti and others 11/11/85
OF-WTWI-1985-20	Superseded by OF-WTWI-1985-50
OF-WTWI-1985-21	Centrifuge Modeling of the Effects of Variable Sedimentary Loading on the External Geometry, Kinematics, and Dynamics of Syndepositional Salt Structures Milestone Report (332HE, B) M. Jackson, C. Talbot, and R. Cornelius 11/27/85
OF-WTWI-1985-22	Tertiary Salt Diapirs Exposed at Different Structural Levels in the Greater Kavir (Dasht-i Kavir), South of Semnan, North Central Iran: A Remote-Sensing of their Internal Structure and Shape Milestone Report (332HE, C) M. Jackson and R. Cornelius 12/06/85
OF-WTWI-1985-23	Depositional Architecture of the Quaternary Blackwater Draw and Tertiary Ogallala Formations, Texas Panhandle and Eastern New Mexico Milestone Report (332GM, Subtask I, B) T. Gustavson and V. Holliday 12/18/85

OF-WTWI-1985-24

The Artesia Group (Guadalupian/Ochoan) of the Palo Duro Basin: Depositional Systems and Effects of Post-Permian Salt Dissolution
Milestone Report (332GM, Subtask IV, A and Subtask V, A)
S. Nance
11/27/85

OF-WTWI-1985-25

Sandstone Distribution and Lithofacies of the Triassic Dockum Group, Palo Duro Basin, Texas
Milestone Report (332GM, Subtask VI, A)
D. Johns
11/26/85

OF-WTWI-1985-26

Information incorporated into OF-WTWI-1985-16

OF-WTWI-1985-27

Paleoclimatic Reconstruction based on Molluscan (Gastropoda; Pelecypoda) Environmental Indicators - Late Quaternary of Northwestern Texas
Milestone Report (332GM, Subtask IX, A)
C. Caran, R. Neck, and R. Fullington
11/27/85

OF-WTWI-1985-28

Superseded by Geological Circular GC 86-7, "Mississippian Conodonts from the Southern Texas Panhandle," by S. Ruppel

OF-WTWI-1985-29

Tectonic History and Regional Tectonic Framework of the Palo Duro Basin, Texas Panhandle
Milestone Report (332GM, Subtask X, E)
R. Budnik
11/27/85

OF-WTWI-1985-30

Geology and Geohydrology of the Palo Duro Basin, Texas Panhandle, A Report on the Progress of Nuclear Waste Isolation Feasibility Studies (1984)
Milestone Report (332FG, Subtask I, E)
Bureau of Economic Geology Staff
11/21/85

OF-WTWI-1985-31

Superseded by Report of Investigations RI 161, "Hydrogeochemistry and Water Resources of the Triassic Lower Dockum Group in the Texas Panhandle and Eastern New Mexico," by A. Dutton and W. Simpkins

OF-WTWI-1985-32

Superseded by RI 161, "Hydrogeochemistry and Water Resources of the Triassic Lower Dockum Group in the Texas Panhandle and Eastern New Mexico," by A. Dutton and W. Simpkins

OF-WTWI-1985-33

Cross-Formational Flow in the Palo Duro Basin, Texas
Panhandle
Milestone Report (332GN, Subtask II, B)
W. Kaiser
12/11/85

OF-WTWI-1985-34

Characterization Study of the Ogallala Aquifer,
Northwest Texas
Milestone Report (332GN, Subtask III, B)
R. Nativ and A. Smith
11/27/85

OF-WTWI-1985-35

Hydrologic Testing in the Salt Dissolution Zone of the
Palo Duro Basin, Texas Panhandle
Milestone Report (332GN, Subtask IV, C)
A. Dutton
11/27/85

OF-WTWI-1985-36

Investigation of the Possible Effect of Fracture Zones
on Ground-Water Flow in the Palo Duro Basin, West
Texas
Milestone Report (332GN, Subtask V, A)
R. Senger
11/27/85

OF-WTWI-1985-37

Effects of Hydrostratigraphy and Basin Development on
Hydrodynamics of the Palo Duro Basin, Texas
Milestone Report (332GN, Subtask V, C)
R. Senger and others
12/06/85

OF-WTWI-1985-38

Hydrostratigraphy of the Wolfcamp Aquifer, Palo Duro
Basin, Texas Panhandle
Milestone Report (332GN, Subtask V, F)
R. Conti and R. Senger
11/22/85

OF-WTWI-1985-39

A Three-Dimensional Ground-Water Flow Model for the
Palo Duro Basin, Texas
Milestone Report (332GN, Subtask V, G)
R. Senger, R. Conti, and A. Smith
12/16/85

OF-WTWI-1985-40

Carbonate/Anhydrite Geochemistry and Its Relation to
Solution-Mineral Equilibria, Lower Permian, Palo Duro
Basin, Texas
Milestone Report (332GP, Subtask I, B)
H. Posey
01/08/86

OF-WTWI-1985-41
Revision 1

Diagenesis of the San Andres Formation: Unit 4
Carbonate, G. Friemel and Detten Wells
Milestone Report (332 GP, Subtask II, D)
S. Hovorka
04/13/87

OF-WTWI-1985-42
Revision 1

Petrography of the Artesia Group, Interim Report
Milestone Report (332GP, Subtask III, B)
S. Hovorka and M. McCrary
11/21/86

OF-WTWI-1985-43

Petrography and Geochemistry of the Artesia Group,
Palo Duro Basin, Texas Panhandle
Milestone Report (332GP, Subtask III, C)
S. Hovorka, S. Fisher, and S. Nance
11/27/85

OF-WTWI-1985-44

Geochemistry of Deep-Basin Brines, Palo Duro Basin,
Texas
Milestone Report (332GP, Subtask IV, A)
S. Fisher and C. Kreidler
01/07/86

OF-WTWI-1985-45
Revision 1

Clay Mineralogy
Milestone Report (332GP, Subtask V, B)
S. Fisher
12/04/86

OF-WTWI-1985-46

Information incorporated into OF-WTWI-1985-27.

OF-WTWI-1985-47

Wolfcamp Petrography: Interim Report
Topical Report
L. Elliott, S. Hovorka, and H. Posey
01/28/86

OF-WTWI-1985-48

Regional Structural Cross Sections, Mid-Permian to
Quaternary Strata, Texas Panhandle and Eastern New
Mexico
Cross Sections
D. McGookey, T. Gustavson, and ? Hoadley
07/24/86

OF-WTWI-1985-49

Geology and Geohydrology of the Palo Duro Basin, Texas
Panhandle, A Report on the Progress of Nuclear Waste
Isolation Feasibility Studies (1983)
In Press

OF-WTWI-1985-50

Well Summary Reports and Supplements (No. 1 Rex White,
No. 1 Grabbe, No. 1 Sawyer, No. 1 Mansfield, No. 1 J.
Friemel, No. 1 G. Friemel, No. 1 Detten, No. 1 Harman,
No. 1 Zeeck, and No. 1 Woods-Holtzclaw)
Milestone Report (189-10001, Subtask II, B)
Bureau of Economic Geology Staff
01/31/86
LIMITED Distribution

OF-WTWI-1986-1

San Andres Formation - Stratigraphic Correlations
between Cored Wells
Topical Report
S. Hovorka and P. Granger
02/26/86

OF-WTWI-1986-2

Lithologic Logs from the Palo Duro Basin: Ten National
Waste Terminal Storage Wells
Topical Report
S. Hovorka
02/26/86

OF-WTWI-1986-3

Basin and Range-Age Reactivation of Ancestral Rocky
Mountain Structures in the Texas Panhandle
Topical Report
R. Budnik
06/11/86

OF-WTWI-1986-4

Left-Lateral Intraplate Deformation Along the
Ancestral Rocky Mountains: Implications for Late
Paleozoic Plate Motions
Topical Report
R. Budnik
04/16/87