## REFERENCES

## **BIBLIOGRAPHY**

Advanced Drainage Systems, Inc., 1982. Drainage Handbook, Fourth edition.

Allen, Thomas O., and Alan P. Roberts, 1982. <u>Production Operations, Volume 2</u>, Oil and Gas Consultants International, Inc., Tulsa.

American Association of Petroleum Geologists and the United States Geological Survey, 1976. "Subsurface Temperature Map of North America," U.S. Geological Survey, Arlington Virginia.

American Petroleum Institute, 1986. <u>Domestic Petroleum Production and National Security</u>, December 1986.

API, 1986. Two Energy Futures: National Choices Today for the 1990's, 1986 edition.

API, 1980a. <u>Underground Spill Clean-Up Manual</u>, Publication No. 1628, First edition.

API, 1980b. Benzene, Xylene, and Toluene in Aquatic Systems: A Review, prepared for API by Virginia Polytechnic Institute and State University.

API, 1978. Fate and Effects of Polynuclear Aromatic Hydrocarbons in the Aquatic Environment, Publication No. 4297.

API, 1972. The Migration of Petroleum Products in Soil and Groundwater: Principles and Countermeasures, Publication No. 4149.

American Water Works Association, 1973. Ground Water, AWWA Manual No. M21.

Anderson, H.R., W.G. Stetz, J.L. Belli, and R.V. Allen, United States Geological Survey, 1982. Geohydrology of the Valley Fill Aquifer in the Jamestown Area, Chautauqua County, New York, report prepared in cooperation with the New York State Department of Health, Open-File Report 82-113.

Appalachian Basin Report, March 9, 1984. Petroleum Information Corp., p. 1.

Auchmoody, L.R., 1986. "Land Disposal of Oil Well Brine", handout from Symposium on the Management of Oil and Gas Brine, October 28 -29, 1986, Erie, Pennsylvania.

Baker, D.E. et al, 1983. <u>Criteria and Recommendations for Land Application</u> of Sludges in the Northeast, Northeast Regional Publication.

Borland, G.C., 1957. "Underground Gas Storage", New York State Geological Association, Twenty-Ninth Meeting Guidebook, pp. 32-34.

Braden, J., and Bromley, D., 1980. Natural Gas from Lake Erie: An Economic and Environmental Appraisal, Institute for Environmental Studies, Report No. 111.

Broughton, J.G., and others, 1976. "Geology of New York: A Short Account". New York State Museum and Science Service Educational Leaflet No. 20.

Burk, Joan, 1983. <u>Petroleum Lands and Leasing</u>, PennWell Publishing Co., Tulsa. Oklahoma.

Clark, J. Stanley, 1958. <u>The Oil Century</u>, University of Oklahoma Press, Norman, Oklahoma.

Cornell University, August 1982. "Leasing Your Oil and Gas Rights: The Potential Impacts of Well Drilling and Operation on Your Land", Agronomy Mimeo 82-13.

Costin, Laurence S, and W.R. Wawersik, August 1980. "Creep Healing of Fractures in Rock Salt", prepared by Sandia Laboratories, Alburquerque, NM 87185 and Livermore, California 94550, for the U.S. Department of Energy under contract DE-ACO4-76DP00789.

Craig, Jr., Forest F., 1971. The Reservoir Engineering Aspects of
Waterflooding, Society of Petroleum Engineers of The American Institute of
Mining, Metallurgical, and Petroleum Engineers, Inc., (AIME), New York.

Crain, Leslie J., United States Geological Survey, 1969. Ground Water

Pollution from Natural Gas and Oil Production in New York, State of New York
Conservation Department Water Resources Commission, Investigation No. R1-5.

Crain, Leslie J., United States Geological Survey, 1966. Ground Water
Resources of the Jamestown Area, New York with Emphasis on the Hydrology of
the Major Stream Valleys, State of New York Conservation Department Water
Resources Commission, Bulletin 58.

Dames and Moore, October 1982. Analysis of Hydrologic and Environmental Effects of Drilling Mud Pits and Produced Water Impoundments Volume 1, Executive Summary and Report, prepared for API.

Dietz, D.N., 1972. "Behavior of Components from Spilled Oil on Their Way Through the Soil", preprint of paper prepared for the Meeting of the Society of Petroleum Engineers of AIME, Paper No. SPE 4077.

Drazan, Donald J., 1984. "Trenton Overview in New York State". AAPG Symposium on the Trenton Formation, held at A.A.P.G. Eastern Section Meeting, Pittsburgh, PA, October 10-12, 1984.

Ertugrul, Altay, M. and David B. Harkness, October 11, 1982. "Planning for Potential Water-Quality Impacts from Products Pipelines Speeds Construction", Oil and Gas Journal, pp. 183-186.

Esselstyn, Karen M., 1984. Draft of untitled student intern project on benzene, xylene and toluene contamination of groundwater, prepared for NYS DEC. Division of Mineral Resources.

Fenix and Scisson, Inc. Mined Storage Caverns, pamphlet.

Fisher, Donald W., 1977. <u>Correlation of the Hadrynian, Cambrian and Ordovician Rocks in New York State</u>, New York State Museum and Science Service Map and Chart Series No. 25.

Fisher, Donald W., 1962. <u>Correlation of the Ordovician Rocks in New York</u>
State, New York State Museum and Science Service Map and Chart Series No. 3.

Fisher, Donald W., 1959. <u>Correlation of the Silurian Rocks in New York</u>
State, New York State Museum and Science Service Map and Chart Series No. 1.

Fletcher, Jon B. and L.R. Syks, 1977. "Earthquakes Related to Hydraulic Mining and Natural Seismic Activity in Western New York State", <u>Journal of Geophysical Research</u>, Vol. 82, No. 26, pp. 3767 - 3780.

Foley, John E., C. Doll, F.I. Filipkowski, G. Lersback, and J. McTigue, 1983. "Seismicity of the Northeastern United States January 1 - March 31, 1983", Northeastern U.S. Seismic Network Bulletin No. 30.

Forsgren-Perkins Engineering, P.A., undated. <u>Water Base Drilling Mud Land Spreading and Use as a Site Reclamation and Revegetation Medium</u>, prepared for the American Petroleum Institute.

Frimpter, M.H., United States Geological Survey, 1973. <u>Chemical Quality of Streams</u>, <u>Allegheny River Basin</u>, <u>New York</u>, Allegheny River Basin Regional Water Resources Planning Board, New York State Department of Environmental Conservation Report ARB-3.

Garvey, William L. and Frank Peduto, New York State Department of Environmental Conservation, 1984. Generic Environmental Impact Statement:

Development, Establishment and Revision of Water Quality Standards for Surface Waters of New York State under Authority of Article 17 of the Environmental Conservation Law, Vol. 1.

Getchell, Frank Anthony, January 7, 1983, <u>Subsidence in the Tully Valley, New York</u>, Thesis for Master of Science in Geology, Syracuse University.

George, Charles and Ronald Faul, 1985. "Cementing Techniques for Solution Mining Wells and Salt Storage Domes: The State of the Art", 1985, published in Salts and Brines, 1985, edited by W. Joseph Schlitt.

Goff, F.E. and Donnelly, J.M., 1977. "Applications of Thermal Water Chemistry in the Geysers - Clear Lake Geothermal Area, California (abs.)," Geological Society of America Abstracts with Programs, 9:992.

Guerand, Bill. <u>Evaluation and Surveillance of Water Injection Projects</u>, 1984. California Department of Conservation, Division of Oil and Gas, Publication No. M13.

Gwynne, Peter, 1982. "Water: The Progress Made, The Challenge Ahead," DuPont Context, Vol. 11, No. 3.

Henderson, Gerald J. and Carolyn M. Timm, 1985. "Ordovician Stratigraphic Hydrocarbon Entrapment Potential of Appalachia", Oil and Gas Journal, April 29, 1985, p. 18-125.

Herrick, John P., 1949. Empire Oil, Dodd, Mead and Company, New York.

Hodge, D.S., 1983. Personal communication with authors of NYS Energy Research and Development Authority Report #84-18, Auburn Low Temperature Geothermal Well.

Hodge, D.S., DeRito, R., Hilfiker, K., P. Morgan and Swanberg, C.A., 1981. "Investigations of Low-Temperature Geothermal Potential in New York State." LA-8960-MS, UC-66b, Los Alamos National Laboratory.

Hood, J.B. et al. United States Geological Survey, 1983. Water Resources

Data, New York, Water Year 1983, Western New York, Water Data Report New York
83-3, Vol. 3, pp. 52-55.

Hutchinson, Fredrick, University of Maine, 1969. <u>The Influence of Salts Applied to Highways on Levels of Sodium and Chloride Present in Water and Soil Samples.</u>

Ikoku, Chi U., 1980. Natural Gas Engineering, Penwell Publishing Co.

Independent Petroleum Association of America, 1986-1987. The Oil and Gas Producing Industry in Your State.

Independent Petroleum Association of America, 1952-1963. <u>The Oil and Gas</u> Producing Industry in Your State.

Interstate Oil Compact Commission, 1986. A Nation in Need of Energy Security.

Interstate Oil Compact Commission, March, 1983. Improved Oil Recovery.

Interstate Oil Compact Commission, September, 1974. Secondary & Tertiary Oil Recovery Processes, Oklahoma City, Oklahoma.

Interstate Oil Compact Commission, undated (mid-1960's). <u>Water Problems</u> Associated with Oil Production in the United States.

Jacoby, Charles H., 1961. "International Brine: Field at Watkins Glen, New York", from 1961 Symposium on Salt, Northern Ohio Geological Society.

Johnson, Harry, R., Bartlesville Energy Technology Center, 1981. "Prospects for Enhanced Oil Recovery in the United States."

Jones and Jones, Seattle, Washington, 1976. Measuring the Visibility of High Voltage Transmission Facilities in the Pacific Northwest, Final Report to the Bonneville Power Administration, U.S. Department of the Interior, Contract 14.03.6017N.

Kaplan, E., M. Garrell, B. Royce, E.F. Riedel, & J. Sathaye, 1983. <u>Assessment of Environmental Problems Associated with Increased Enhanced Oil Recovery in the United States: 1980-2000.</u>

Katz, Donald L., 1971, "Monitoring Gas Storage Reservoirs," preprint of paper prepared for the Midwest Oil and Gas Industry Symposium of the Society of Petroleum Engineers of AIME, Paper No. SPE 3287.

Katz, Donald L., J.A. Vary, and J.R. Elenbaas, 1958. "Design of Gas Storage Fields," paper presented at the Gas Technology Symposium of the Society of Petroleum Engineers.

Kosinski, Alexander, Sr. Environmental Analyst, NYS DEC, 1984. Analytical Critique of Summary Consultants Report, Relationship of Brining Operations in the Tully Valley to the Behavior of Groundwater and Geological Resources.

Knudson, Thomas, 1986. "For New York's West, Oil Slump Brings Woes." New York Times, July 21, 1986.

Kreidler, William Lynn, NYS Museum and Science Service, 1957. Occurrence of Silurian Salt in New York State, New York State Museum and Science Service.

Kreidler, William Lynn, 1953. <u>History, Geology and Future Possibilities of Gas and Oil in New York State</u>, New York State Museum and Science Service, Circular 33.

Latil, M., 1980. Enhanced Oil Recovery, Gulf Publishing Co., Houston, TX.

Lochr, Raymond C., W.J. Jewell, J.D. Novak, W.W. Clarkson & Gerald S. Friedman, 1979. <u>Land Application of Wastes, Volume II</u>, Van Nostrand Reinhold Company.

Lowe, John S., 1983. Oil and Gas Law, West Publishing Co., St. Paul, Minnesota.

Marks, A., 1983. <u>Handbook of Petroleum Storage Principles</u>, Pennwell Publishing Company, pp. 134-175.

Maslowski, Andy, 1986. "Lower Prices Paid for Penngrade Crude", Northeast 0il World, July 1986, pp. 11-12.

Merrill, Frederick J.H., Phd., 1983. Salt and Gypsum Industries of New York, Bulletin of the New York State Museum in association with the State University of New York at Albany, Vol. 3, No. 11.

Miller, Raymond W., 1978. Effects of Drilling Fluid Components and Mixtures on Plants and Soils, Summary Report 1974-1977, joint study project between API and Utah Agricultural Experiment Station, Utah State University, Logan, Utah.

Mody, Bharat G. and P. Saunders, 1980. <u>Design Criteria and Operational Considerations to Remedy Casing Leaks</u>, Halliburton Services, available from Solution Mining Research Institute.

Moody, Graham B., editor, 1961. <u>Petroleum Exploration Handbook</u>, McGraw-Hill Publishers.

Moody and Associates, Inc., 1984. The Feasibility of Utilizing Production and Other Oil and Gas Well Fluids as Dust Palliatives and Deicers, prepared for the Pennsylvania Natural Gas Associates.

Moody and Associates, Inc., 1982 and 1983. Oil and Gas Well Pollution Abatement Project - Parts A, B, C, and D, No. 81495, prepared for the Pennsylvania Department of Environmental Resources.

Moody and Associates, Inc., in conjunction with the National Water Well Association, 1982. Aquifer Impact Evaluation from Oil and Gas Development in the Jamestown, New York Area.

Muller, E.H., 1963. "Geology of Chautauqua County, New York, Part II, Pleistocene Geology," New York State Museum and Science Service, Bulletin No. 391.

National Academy of Sciences, Safe Drinking Water Committee, 1977-1984. Drinking Water and Health, Vol. I - VI.

National Petroleum Council, 1984. Enhanced Oil Recovery, U.S. Department of Energy.

National Register of Historic Places, New York State Listings:

```
1968-1978 Cumulative Listing, Federal Register, vol. 44, no. 26, 2/6/79.
1979 Annual Listing, Federal Register, vol. 45, no. 54, 3/18/80.
1980 Annual Listing, Federal Register, vol. 46, no. 22, 2/3/81.
1981 Annual Listing, Federal Register, vol. 47, no. 22, 2/2/82.
1982 Annual Listing, Federal Register, vol. 48, no. 41, 3/1/83.
1983 Annual Listing, Federal Register, vol. 49, no. 26, 2/7/84.
1984 Annual Listing, Federal Register, vol. 50, no. 43, 3/5/85.
1985 Annual Listing, Federal Register, vol. 51, no. 37, 2/25/86.
```

## National Registry of Natural Landmarks:

```
Federal Register vol. 48, no. 41, March 1, 1983.
Federal Register vol. 49, no. 26, February 7, 1984.
Federal Register vol. 50, no. 43, March 5, 1985
Federal Register vol. 51, no. 37, February 25, 1986
```

New York State Department of Agriculture and Markets (NYS Department of A & M), 1982a. "Preliminary Work Outline for Discussion on Concerns for the Agricultural Resource Base to Address in a Generic Programmatic EIS on Environmental Consequences of Oil, Gas, and Solution Mining Drilling and Production."

NYS Department of A & M, 1982b. "Affected Environment Agriculture," a compilation of information on agriculture in New York State.

NYS Department of A & M, 1982c. "Table 1," a report of potential environmental impacts of oil and gas activities on agricultural operations.

NYS Department of A & M, 1958 (map). "The Lime Content of New York State Soils," a map of lime content of New York State soils, compiled in 1958 from 1955 Soil Association Map.

New York State Department of Environmental Conservation (NYS DEC) 1980, "Significant Wildlife Habitats in New York", Division of Fish and Wildlife.

NYS DEC, 1981. The Forest Resources of New York - Summary Assessment, Division of Lands and Forests.

NYS DEC, 1986. "Summary Report, Underground Storage in New York State", Division of Mineral Resources.

NYS DEC, "Oil Pollution" files, Division of Mineral Resources.

NYS DEC, "Underground Injection Control Program" files, Division of Mineral Resources.

NYS DEC, 1982. <u>Draft Generic Environmental Impact Statement on Sewage Sludge</u> Landspreading Moratorium, Division of Solid Waste.

NYS DEC, 1985a. <u>Draft Upstate Groundwater Management Program</u>, Division of Water.

NYS DEC, 1985b. Stream Corridor Management, A Basic Reference Manual, Division of Water.

NYS DEC, May, 1984. "Recommended Practices for Underground Storage of Petroleum." Division of Water.

NYS DEC, 1983a. SPDES, Water Pollution Control in New York State, Division of Water.

NYS DEC, 1983b. <u>Draft Long Island Groundwater Management Program</u>, Division of Water.

NYS DEC, 1983c. Hydrogeologic Study of Benzene, Toluene, Xylene, Contamination at Allegany, New York, Division of Water.

NYS DEC, 1982. Water Bulletin, Division of Water.

New York State Department of Health, 1985. "Methane Fact Sheet".

New York State Department of Health, 1984. <u>Inventory - Community Water</u>
Systems, New York State Vol. II Non-Municipal, Bureau of Public Water Supply
Protection Evaluation and Enforcement Section.

New York State Department of Health, 1982 (maps). New York State Atlas of Community Water System Sources, Division of Environmental Protection.

New York State Department of Health, 1981. Report on Groundwater Dependence in New York State, Division of Environmental Health, Bureau of Public Water Supply.

New York State Department of Health, 1966. Rural Water Supply.

New York State Department of Public Service, 1983. A Guide to Filing a Gas Facility Application Under Article VII of the Public Service Law.

New York State Department of State, May 28, 1986 newsletter. "Coastal Waterfront Update: Coastal Resources and Waterfront Revitalization Program".

New York State Energy Office, September, 1986. New York State Quarterly Energy Review (First Quarter, 1986).

New York State Energy Research and Development Authority, 1983. <u>Auburn Low-</u> Temperature Geothermal Well, Report #84-18.

New York State Soil and Water Conservation Committee, 1983. "Draft State Committee Policy on Addendum to Oil and Gas Leases".

New York State Office of Parks, Recreation and Historic Preservation, New York State Historic Register Listings; Supplement to Federal Register of March 1, 1983.

New York State Geological Association, May, 1957. Guidebook for Geology of S.W. Tier Oil and Gas Fields, Twenty-Ninth Annual Meeting, Wellsville, NY, May 9-12, 1957.

Northern Ohio Geological Society, Cleveland, Ohio;

First Symposium on Salt	(1962)
Second Symposium on Salt	(1965)
Third Symposium on Salt	(1969)
Fourth Symposium on Salt	(1974)
Fifth Symposium on Salt	(1979)
Sixth Symposium on Salt	(1983)

Oil and Gas Journal, June 6, 1983. "Fault Play Reignites New York Action", p. 34-35.

Oil and Gas Journal, Jan. 10, 1983. OGJ Newsletter, Vol. 81, No. 2, p. 4.

Oil and Gas Journal, October 22, 1984. "Letters", pp. 39-40.

Olean Times Herald, March 13, 1984. "Blast Injures Oilfield Worker".

Outer Continental Shelf Policy Advisory Committee, 1987. Report of Committee on Energy Policies to Avert Future Energy Crises, April 1987.

Outer Continental Shelf Project Taks Force, 1977, Offshore Oil and Gas Development: Southern California, Vol. 2., Office of Planning and Research.

Page, A.L. et al (editors), 1983. <u>Utilization of Municipal Wastewater and Sludge on Land.</u>

Pennsylvania Department of Environmental Resources, 1985. Presentation at Onshore Oil and Gas Workshop sponsored by the U.S. Environmental Protection Agency in Atlanta, Georgia, March 26-27, 1985.

Pennzoil Exploration and Production Company, 1982. "Historical Casing and Cementing Practices in the Bradford Field."

Petroleum Information Corporation, January, 1985. Topics.

Piper, Thomas B., 1970. "Offset Access Well Offers Solution to Problem of Debris Accumulation in Bedded Salt Storage Cavities," The Northern Ohio Geological Society, Third Symposium on Salt, Vol. 1, pp. 470-474.

Piper, Thomas P., 1983. "Surveys for the Detection and Measurement of Subsidence - Why, What and How", Presented at the Sixth Symposium on Salt, Toronto, Ontario, May 25-27, 1983.

Pullen, William, PhD., 1973. "History of Solution Mining," available from the Solution Mining Research Institute.

Rickard, Lawrence V., 1975. <u>Correlation of the Silurian and Devonian Rocks in New York State</u>, New York State Museum and Science Service Map and Chart Series No. 24.

Rickard, Lawrence V., 1973. <u>Stratigraphy and Structure of the Subsurface Cambrian and Ordovician Carbonates of New York</u>, New York State Museum and Science Service Map and Chart Series No. 18.

Rickard, Lawrence V., 1969. Stratigraphy of the Upper Silurian Salina Group New York, Pennsylvania, Ohio, Ontario, New York State Museum and Science Service Map and Chart Series No. 12.

Rickard, Lawrence V., 1964. Correlation of the Devonian Rocks in New York State, New York State Museum and Science Service Map and Chart Series No. 4.

Robinson, J.E., 1983. <u>Final Technical Report, Syracuse Area Natural Gas</u> Study, New York State Science and Technology Foundation.

Rosen, Edward R., 1986. <u>Re-Industrialization and Western New York's Oil and</u> Gas Resources, State University of New York at Albany.

Schadel, Afton et al, Pennsylvania Department of Environmental Resources, 1983. Erosion and Sediment Control for Gas and Oil Well Development and Operations, Division of Soil Resources and Erosion Control.

Schlitt, W. Joseph, 1985. <u>Salts and Brines '85</u>, Society of Mining Engineers of AIME, New York, NY.

Science News, February 9, 1985. "Urban Methane." Vol. 127, No. 6.

Senseny, Paul E., 1983. "Review of Constitutive Laws to Describe the Creep of Salt," ONWI-295, prepared by RE/SPEC Inc. for the Office of Nuclear Waste Isolation, Batelle Memorial Institute, Columbus, Ohio.

Sevenker, Larry, 1984. <u>Brine Purge Disposal Program, Cargill Inc., - Watkins Plant, Engineering and Geologic Evaluation, prepared for Cargill, Inc., - Watkins Plant.</u>

State University of New York College of Environmental Science and Forestry, 1981. Water Supply Source Protection Rules and Regulations Project Final Report - March 1981, Graduate Program in Environmental Science.

Smith, Charles R., 1966. Mechanics of Secondary Oil Recovery, Robert E. Krieger Publishing Co., Malabar, Florida.

Tesmer, Irving H., 1963. Geology of Chautauqua County, New York, Part I Stratigraphy and Paleontology. (Upper Devonian), New York State Museum and Science Service, Bulletin Number 391.

Tully, William P., 1985. Draft Environmental Impact Statement for the Permitting of Drilling Two Wells for the Purpose of Solution Mining of Salt at the Tully Brine Fields in the Town of Tully, New York, prepared for Allied Chemical, Syracuse works, Ch. I and II.

Tully, William P., 1983. Summary Consultants Report-Relationship of Brining Operations in the Tully Valley to the Behavior of Groundwater and Geologic Resources", prepared for the Solvay Process, Allied Chemical Corporation.

United States Department of Commerce Bureau of Economic Analysis, 1986. Regional Multipliers: A User Handbook for the Regional Input - Output Modeling System (RIMS II).

United States Department of Commerce, 1982. <u>Final Environmental Impact</u> Statement and the New York Coastal Management Program.

United States Department of Health, Education, and Welfare, 1969. <u>Public Health Service Drinking Water Standards</u>, Public Health Service Publication No. 956.

U.S. Department of Health and Human Services, 1985. <u>Fourth Annual Report on Carcinogens</u>, Summary 1985, Public Health Service, National Toxicology Program Report #85-002.

U.S. Dept. of Health and Human Services, 1983. "Comprehensive Safety Recommendations for Land-Based Oil and Gas Well Drilling."

United States Department of the Interior, Bureau of Mines, 1950-1965. Minerals Yearbooks.

United States Department of the Interior, Fish and Wildlife Service, 1974. "Biological Monitoring Program - Current Status of Cooperative Investigations of Problems Related to Oil Recovery Operations in Northwestern Pennsylvania."

United States Department of the Interior, Minerals Management Service, Alaska OCS Region, 1982. Final Environmental Impact Statement Saint George Basin.

United States Environmental Protection Agency, 1976. <u>Erosion and Sediment</u> Control - Surface Mining in the Eastern U.S., EPA-625/3-76-006.

United States Geological Survey, 1982. <u>Atlas of Eleven Selected Aquifers in New York</u>, Open File Report 82-553.

Van Poollen, H.K. and Associates, Inc., 1980. <u>Fundamentals of Enhanced Oil</u> Recovery, Penn Well Books, Tulsa, Oklahoma.

Van Tyne, Arthur M., 1981. "Geographic and Geologic Determination of Areas and Rock Units", <u>Tight Gas Sands Determination Report in New York State</u>, Exhibit C, New York State Department of Environmental Conservation.

Van Tyne, Arthur M., 1980. Morgantown Energy Technology Center/<u>Eastern Gas Shales Project</u>, U.S. Department of Energy Contract No. DE-A521-76Mc05206.

Van Tyne, Arthur M. and David L. Copley, 1984. New York State Natural Gas Reserve Study, Independent Oil and Gas Association of New York, Inc., Buffalo, New York.

Van Tyne, Arthur M. and B. P. Foster, 1980. <u>Inventory and Analysis of the Oil and Gas Resources of Allegany and Cattaraugus Counties, New York</u>. Geologic Survey, New York State Museum.

Vershueren, Karel, 1983. <u>Handbook of Environmental Data on Organic Chemicals</u> - 2nd Edition, Van Nostrand Reinhold Company, New York, NY.

Watson, S.C. Hercules, Inc., and G.R. Benson, Otto Torpedo Co., 1984. "Liquid Propellant Stimulation of Shallow Appalachian Basin Wells", Society of Petroleum Engineers of AIME, NO. SPE 13376.

Werner, Charles A., 1917. A History and Description of the Manufacture and Mining of Salt in New York State, published by the author, Huntington, Long Island.

West Virginia, Office of Oil and Gas, 1982. West Virginia Erosion and Sediment Control Manual, Department of Mines.

Wilson, John T., and James F. McNabb, Environmental Research Laboratory, U.S. EPA, 1983. "Biological Transformation of Organic Pollutants in Groundwater," EOS, Transactions American Geophysical Union, Vol. 64, No. 33.

Wilson, John T., and James F. McNabb, Environmental Research Laboratory, U.S. EPA, 1983. "Biotransformation of Selected Organic Pollutants in Groundwater," Developments in Industrial Microbiology, Vol. 24, Ch. 17.

Woodward-Clyde Consultants, Wayne, New Jersey, 1985a, <u>Draft Environmental</u>
<u>Impact Statement for the Niachlor Project</u> in New York, prepared for Niachlor,
<u>Olin Corporation and Texas Brine Corporation</u>.

Woodword-Clyde Consultants, Wayne, New Jersey, 1985b. Final Environmental Impact Statement for the Niachlor Project in New York, prepared for Niachlor Olin Corporation and Texas Brine Corporation.

Wyrick, Jessee E., 1985. "Storage of Gas in Salt Caverns," The Society of Mining Engineers of the American Institute of Mining, Metallurgical, and Petroleum Engineers, Inc., Proceedings of the Symposium on Solution Mining of Salts and Brines, pp. 63-69.

## Personal Communications

- 1. Beil, Jim, Forester, DEC, Region 9, telephone communication with Laura Snell, Mineral Resource Specialist III (MR Spec. III), DMN, DEC, 9/29/83.
- 2. Benas, Richard, Associate Environmental Analyst, Division of Regulatory Affairs, DEC, personal communication with Laura Snell, MR Spec III, DMN, DEC 5/28/86, 6/11/86.
- 3. Blot, Kim, Director, Division of Rural Resources and Development, NYS Department of Agriculture and Markets, letter to Gregory Sovas, Director, DMN, DEC, 10/3/86.

- 4. Blot, Kim, Director, Division of Rural Resources and Development, NYS Department of Agriculture and Markets, letter to Gregory Sovas, Director, DMN, DEC, 4/2/85.
- 5. Bradley, George C., local historian, comments on GEIS in letter to IOGA, November 20, 1986.
- 6. Brown, Larry, Supervising Wildlife Biologist, Significant Habitats Mapping Program, DEC, telephone communications with Laura Snell, MR Spec. III, DMN, DEC, 5/84, 6/27/84, 6/17/86.
- 7. Burford, Steve, Halliburton, letter to Gregory Sovas, Director, DMN, DEC, 6/1/83.
- 8. Burford, Steve, Halliburton, telephone communication with Laura Snell, MR Spec. III, DMN, DEC, 6/8/83.
- 9. Callaway, Toni M., MR Spec. IV., DMN, DEC, memo to Robert B. Norton, Director, Bureau of Resource Management and Development, DMN, DEC, 5/13/86.
- 10. Carroll, Kevin, Envirogas, Inc., telephone communication with Laura Snell, MR Spec. III, DMN, DEC, 12/8/82, 12/14/82.
- 11. Cary, George, Tretolite, letter to Gregory Sovas, Director, DMN, DEC, 6/14/83.
- 12. Clarey, John M., Envirogas, Inc., Hamburg, NY, letter to Gregory Sovas, Director, DMN, DEC, 6/8/83.
- 13. Cochran, Karney, K-ARCY Corporation, Wellsville, NY, telephone communication with Martha Volintine, Student Intern, DMN, DEC 1/4/83.
- 14. Cool, William J., District Manager, Seneca County Soil and Water Conservation District, letter to Gregory Sovas, Director, DMN, DEC, 3/2/82.
- 15. Cooper, Jack, DEC, Region 8, telephone communication with Laura Snell, MR Spec. III, DMN, DEC 9/16/83, 5/18/84.
- 16. Deitz, Jeff, Division of Regulatory Affairs (DRA), DEC, Region 9, telephone communication with Laura Snell, MR Spec. III, DMN, DEC, 9/16/83, 9/19/83, 9/22/83, 2/22/83, 2/24/83.
- 17. Deitz, Jeff, DRA, DEC, Region 9, memo to Laura Snell, MR Spec. III, DMN, DEC, 9/27/83.
- 18. Driscoll, Dan, New York State Public Service Department, telephone communication with Toni Callaway, MR Spec. IV, DMN, DEC, 6/20/86.
- 19. Driscoll, Dan, New York State Public Service Department, telephone communication with Laura Snell, MR Spec III, DMN, DEC, 3/13/87.

- 20. Engle, Tom, DRA, DEC, Region 8, telephone communication with Laura Snell, MR Spec. III, DMN, DEC, 9/22/83.
- 21. Fejes, Alan J., Mining Engineer, U.S. Bureau of Mines, Subsidence Information Center, P.O. Box 25086, Building 20, Denver Federal Center, Denver, Colorado, 80225, telephone communications with Elizabeth Lowe, Environmental Management Specialist (EMS) II, DMN, DEC.
- 22. Fiedelman Howard, Executive Director. Solution Mining Research Institute, 812 Muriel Street, Woodstock, Illinois 60098, telephone communications with Elizabeth Lowe, EMS II, DMN, DEC.
- Fullem, Bruce, New York State Office of Parks, Recreation and Historic Preservation, telephone communication with Laura Snell, MR Spec. III, DMN, DEC, 6/86.
- 24. Gawalt, Gene, Divison of Fish and Wildlife, Habitat Inventory Unit, DEC, personal communication with Laura Snell, MR. Spec. III, DMN, DEC, 9/16/83.
- 25. Gill, William, Acting Field Supervisor, U.S. Dept. of the Interior, Fish and Wildlife Service, letter to Kenneth Wich, Director, Division of Fish and Wildlife, DEC, 12/12/85.
- 26. Grant, Drayton and Herbert Doig, Assistant Commissioners, DEC, memo to Supervisors of Natural Resources, DEC, 6/25/84.
- 27. Gray, Tony, Bureau of Toxic Substances Assessment, New York State
  Department of Health (DOH), telephone communication with Laura Snell, MR.
  Spec. III, DMN, DEC, 7/14/83.
- 28. Gray, Tony, Bureau of Toxic Substances Assessment, DOH, telephone communication with Karen Esselstyne, Student Intern, DMN, DEC, 1/4/84.
- 29. Greenburg, Audrey, New York State Office of Parks, Recreation and Historic Preservation, telephone communications with Laura Snell, MR Spec. III. DMN, DEC, 6/86.
- 30. Griffin, Tom, Plant Manager, Morton Salt Co., Silver Springs, NY, field trip, Elizabeth Lowe. et. al., 5/9/84.
- 31. Haeslip, Nancy, Conservation Biologist, DEC, Region 9, telephone communication with Laura Snell, MR. Spec. III, DMN, DEC, 1/22/85, 1/23/85.
- 32. Halgas, Chester, Cattaraugus County Department of Health, telephone communication with Laura Snell, MR Spec. III, DMN, DEC, 1/6/84.
- 33. Halgas, Chester, Cattaraugus County Department of Health, letter to Dr. William Stasiuk, DOH, 2/3/82.
- 34. Halton, Dan, Bureau of Water Resources, DEC, telephone communication with Laura Snell, MR. Spec. III, DMN, DEC, 9/27/84.
- 35. Haskins, David, Ebenezer Oil Company Inc., Wellsville, New York,

- telephone communication with Martha Volintine, Student Intern, DMN, DEC, 1/4/83.
- 36. Husek, Vern, Division of Lands and Forests, DEC, telephone communication with Laura Snell, MR Spec. III, DMN, DEC, 6/2/86.
- 37. Jurczak, Thomas, Bureau of Wildlife Protection, DEC, Region 9, telephone communication with Laura Snell, MR. Spec. III, DMN, DEC, 5/23/84, 1/23/85.
- 38. Kardos, Larry, Pennzoil Exploration and Production Company, Bradford, Pennsylvania, telephone communications with Laura Snell, MR Spec. III, DMN, DEC, 11/18/82, 12/14/82, 7/18/83, 1/9/84.
- 39. Kuvic, Lenore, New York State Office of Parks, Recreation and Historic Preservation, telephone communications with Laura Snell, MR Spec. III, DMN, DEC, approx. 1983.
- 40. LaBuz, Al, Allied Chemical Corp., Tully, NY, field trip, Elizabeth Lowe and Toni Callaway, 3/20/85.
- 41. LeFrank, Kathleen, New York State Office of Parks, Recreation and Historic Preservation, telephone communication with Louise Basa, Chief Cultural Resources, Division of Construction Grants, DEC, 3/13/87.
- 42. LeFrank, Kathleen, New York State Office of Parks, Recreation and Historic Preservation, telephone communication with Laura Snell, MR Spec. III, DMN, DEC, 6/5/86, 6/13/86.
- 43. Lacey, John, New York State Department of Agriculture and Markets, Environmental Resources Unit, telephone communication with Laura Snell, MR. Spec. III, DMN, DEC, 9/1/83, 10/11/83.
- 44. Marshall, Lyndon, Cargill Salt Co., Watkins Glen, NY, telephone communication with Elizabeth Lowe, EMS II, DMN, DEC, 5/22/85.
- 45. Marshall, Lyndon, Cargill Salt Co., Watkins Glen, NY, field trip, Elizabeth Lowe, et. al., DMN, DEC, 5/10/84.
- 46. McElfresh, Paul PhD., BJ Hughes, Inc., letter, Michael Sexton, National Fuel Gas, 6/8/83.
- 47. Miller, Diane, U.S. Dept. of the Interior, Park Service Publications and Information, telephone communication with Laura Snell, MR Spec. III, DMN, DEC. 6/12/86.
- 48. Moore, Terry, Regional Wildlife Manager, DEC, Region 9, telephone communication with Laura Snell, MR. Spec. III, DMN, DEC, 12/22/84.
- 49. Newell, Art, Supervising Aquatic Biologist, Division of Fish and Wildlife, DEC, telephone communication with Laura Snell, MR. Spec. III, DMN, DEC, 9/2/83, 10/26/84, 1/8/85.

- 50. Nicoletta, Gavin, Sr. Gas and Petroleum Engineer, NYS Dept. of Public Service, telephone communication with Toni Callaway, MR Spec. IV, DMN, DEC, 6/86.
- 51. Oliphant, Thomas, WITCO Oil and Gas, Bradford, Pennsylvania, telephone communication with Karen Esselstyne, Student Intern, DMN, DEC 1/19/84.
- 52. Patenaude, Mike, District Geologist, Templeton Energy, Inc., Houston, Texas, written comments on the Preliminary Draft Generic Environmental Impact Statement, 11/86.
- 53. Pearson, Tom, Sr. Sanitary Engineer, DEC, Region 8, telephone communication with Laura Snell, MR Spec. III, DMN, DEC, 9/22/83.
- 54. Peyne, Barbara, U.S. Department of the Interior, Park Service, telephone communication with Laura Snell, MR Spec. III, DMN, DEC, 6/12/86.
- 55. Phaneuf, Robert, Senior Sanitary Engineer, DEC, Bureau of Municipal Waste, telephone communication with Laura Snell, MR Spec. III, DMN, DEC, 3/31/87.
- 56. Power, Thomas, Cattaraugus County Health Department, telephone communication with Karen Esselstyne, Student Intern, DMN, DEC, 1/19/84.
- 57. Power, Thomas, Cattaraugus County Health Department, memo to Chester Halgas, Cattaraugus County Health Department, 2/1/82.
- 58. Richmond, A.L., New York State Oil, Gas and Solution Mining Advisory Board/Pennzoil, letter, Gregory Sovas, Director, DMN, DEC, 6/14/83.
- 59. Riexinger, Patricia, Wetlands Program Manager, DEC, letter to Mr. William Gill, Acting Field Supervisor, U.S. Fish and Wildlife Service, 1/17/86.
- 60. Ross, Claire, New York State Office of Parks, Recreation and Historic Preservation, telephone communication with Laura Snell, MR Spec. III, DMN, DEC, approx. 1983.
- 61. Rumrill, Clinton, Division of Lands and Forests, DEC, telephone communication with Laura Snell, MR. Spec. III, DMN, DEC, 9/26/83.
- 62. Salt Institute. 206 North Washington Street, Alexandria, VA 22314, telephone communications with Elizabeth Lowe, EMS II, DMN, DEC.
- 63. Sanford, Robert, Division of Fish and Wildlife, DEC telephone and personal communication with Laura Snell, MR Spec. III, DMN, DEC, 6/10/86, 6/16/86.
- 64. Strong, David L., Dowell, telephone communication with Laura Snell, MR. Spec. III, DMN, DEC, 7/1/83.
- 65. Taft, Kenneth, Bureau of Wildlife Protection, DEC, Region 9, telephone communications with Laura Snell, MR. Spec. III, DMN, DEC, 9/19/83, 5/16/84.

- 66. Taft, Kenneth, and Thomas Jurczak, Bureau of Wildlife Protection, DEC, telephone communication (conference call) with Laura Snell, MR. Spec. III, DMN, DEC, 2/28/84.
- 67. Thomas, Larry, Plant Manager, Texas Brine, Dale, NY, Field trip, Elizabeth Lowe, et. al., 5/9/84.
- 68. VanAlstyne, Fred, Division of Water, DEC, telephone communication with Laura Snell, MR. Spec. III, DMN, DEC, 1/6/84.
- 69. Vessels, Robert, Director, Office of Energy Conservation and Environmental Planning, NYS Dept. of Public Service, letter to Richard Brescia, Chairman, NYS Oil, Gas and Solution Mining Advisory Board, 6/16/86.
- 70. Williamson, Larry, Pennzoil Exploration and Production Company, Bradford, Pennsylvania, telephone communication with Laura Snell, MR Spec III, DMN, DEC, 7/19/83, follow-up letter 7/19/83.
- 71. Wilson, Dr. John T., Microbiologist, R.S. Kerr Research Laboratory, U.S.E.P.A., telephone communication with Karen Esselstyne, Student Intern, DMN, DEC, 1/13/84.
- 72. Winkler, Roy, MR Spec. I, DMN, DEC, personal communication with Laura Snell, MR Spec. III, DMN, DEC, 1985.
- 73. Wright, Lee, U.S. Fish and Wildlife Service, Division of National Wildlife Refuges, telephone communication with Laura Snell, MR Spec. III, DMN, DEC, 6/12/86.