

LEO J. LAMMERS

RESUME

EDUCATION:

B.S. DEGREE IN GEOLOGY, UNIVERSITY OF DAYTON, 1955

M.S. DEGREE IN GEOLOGY, UNIVERSITY OF MICHIGAN, 1956

MASTER'S THESIS WAS A STRATIGRAPHY & PALEONTOLOGY ANALYSIS OF INTERNATIONAL SALT COMPANY'S CORE HOLE #2 WAYNE COUNTY AIRPORT, MICHIGAN, WITH EMPHASIS ON THE ZONES ABOVE THE SALINA FORMATION - MICHIGAN BASIN'S MAIN COMMERCIAL SALT PRODUCING ZONE.

EXPERIENCE:

31 YEARS IN OIL & GAS WITH ATLANTIC RICHFIELD, TESORO PETROLEUM, LAWBAR PETROLEUM AND AS A CONSULTANT. MAIN AREAS WORKED: SE NEW MEXICO, SOUTH TEXAS, OFFSHORE LOUISIANA AND TEXAS, APPALACHIAN, MICHIGAN, ILLINOIS BASINS, EAST COAST OFFSHORE, AND SOUTH FLORIDA.

5 YEARS IN MINERAL EXPLORATION WITH ATLANTIC RICHFIELD PRIMARILY IN SULFUR AND POTASH EXPLORATION. IN 1965 I WORKED SULFUR EXPLORATION ON THE GULF COAST. FROM 1966 TO 1970, I WAS SENIOR MINERALS GEOLOGIST FOR POTASH AND SULFUR ON THE STAFF OF THE VICE PRESIDENT WITH ARCO IN DALLAS. MY DUTIES INCLUDED:

- 1) STUDY NEW AND OLD BASINS FOR SULFUR AND POTASH EXPLORATION.
- 2) ATTENDED INDUSTRY MEETINGS TO LEARN AS MUCH AS POSSIBLE ABOUT THE MINING OF THESE MINERALS.
- 3) COORDINATE CORING AND EXPLORATION PROJECTS WITH ARCO'S DISTRICT OFFICES.
- 4) CALCULATE POTASH & SULFUR RESERVES FROM VARIOUS CORING PROJECTS.
- 5) PRESENT THE RESULTS OF THESE PROJECTS TO MANAGEMENT IN THE DALLAS.
- 6) WORK WITH A MINING ENGINEER AND MINERAL ECONOMIST ON THE ECONOMICS OF POTASH & SULFUR MINING PROJECTS.
- 7) WORK ON A MINERALS EXPLORATION PROGRAM BUDGET.

DURING THIS TIME PERIOD ARCO DRILLED 33 CORE HOLES IN THE CARLSBAD POTASH DISTRICT AND SEVERAL CORE TESTS IN CANADA. I WAS DIRECTLY INVOLVED WITH THE DRILLING OF THESE CORE HOLES. OTHER AREAS IN WHICH WE MADE A SERIOUS EXPLORATION EFFORT WERE NOVA SCOTIA AND NEW BRUNSWICK, THE MICHIGAN BASIN, THE U.S. PORTIONS OF THE WILLISTON BASIN, AND THE SALINA BASIN OF KANSAS.

DURING THIS TIME I ATTENDED NUMEROUS MEETINGS AND SEMINARS SUCH AS THE INTERNATIONAL SALT SYMPOSIUM IN CLEVELAND AND WORKED WITH PROFESSOR LOUIS BRIGGS AT THE UNIVERSITY OF MICHIGAN ON SEVERAL EVAPORATE EXPLORATION PROJECTS.

IN 1973 WHILE IN HOUSTON I COORDINATED A STUDY OF THE PHYSICAL PROPERTIES OF THE LOUANN SALT.

**PROFESSIONAL AFFILIATIONS:**

AAPG - CERTIFIED PETROLEUM GEOLOGIST #1888  
AIPG - CERTIFIED PROFESSIONAL GEOLOGIST #3757  
(SPECIALTIES IN OIL, GAS & INDUSTRIAL MINERALS)  
ROSWELL GEOLOGICAL SOCIETY, SOUTH TEXAS GEOLOGICAL  
SOCIETY