

EXPERT REPORT

STATE OF LOUISIANA AND
THE VERMILION PARISH SCHOOL BOARD, et al

Vs.

THE LOUISIANA LAND AND EXPLORATION COMPANY, et al
SUIT NO. 82.162, DIVISION "D"
FILE NO. 12224-S

15TH JUDICIAL COURT FOR THE PARISH OF VERMILION
STATE OF LOUISIANA

Prepared By

BAYOU CAJUN ENVIRONMENTAL, SOIL, AND WETLAND SERVICES, INC.
18729 RUSS ROAD
ABBEVILLE, LOUISIANA 70510

B. Arville Touchet
Consultant Soil Scientist
Licensed Professional Geoscientist

Prepared For

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June 28, 2010

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References:

Soil Survey of Vermilion Parish, La. —USDA—SCS May 1996
Chemistry of the Soil—Firman E. Bear--1965
Geology of Cameron and Vermilion Parishes—Nov. 1, 1935
Soil Taxonomy, Second Edition—USDA—NRCS, 1999

IDENTIFICATION AND DESCRIPTION OF PROPERTY

The area of interest is located in the Community of Little Prairie, Louisiana. It is southwest of Abbeville, Louisiana, along and west of LA Hwy. 82. Accessed by boat through Schooner Canal, it is located between LA Hwy 82 and Lac Blanc.

It is the Vermilion Parish School Board Section 16, T15S, R1W.

SOILS, LANDFORMS, AND SURFACE GEOLOGY

This section of land is located on Holocene marsh. This emergent vegetative marsh is less than 10,000 years old. It consists of organic soils greater than 48 inches thick on top of soft clays. In the immediate area, this organic soil and soft clays sit on top of Beaumont-age formation in the form of a river meander belt.

These Holocene-age sediments (marsh soils) were deposited on top of the Beaumont Formation in the last 10,000 years or after sea level attained its present level. The mineral Holocene deposits were and still are derived from the Gulf of Mexico and are naturally saline. Their smectic mineralogy indicated that they really are Mississippi River mud that was salted by saline Gulf of Mexico water while in transport from the Mississippi River delta to the Cheniere Plain by long shore currents.

The coastal Chenieres, which are actually barrier islands in a soft mud and organic marsh, offers some protection from salt-water intrusion from the Gulf of Mexico. This protection from saltwater intrusion gave rise to non-saline organic soil layers on top of soft saline Mississippi River marine mud.

Hurricanes Audrey, Rita, and Ike in recent times have deposited salt waters in the organic layers and recharged the salinity in the soft saline Mississippi River marine muds.

RETENTION OF B. ARVILLE TOUCHET, CONSULTANT SOIL SCIENTIST AND LICENSED PROFESSIONAL GEOSCIENTIST

Arville Touchet is an international expert in soil and crop science, soil and land classification, land reclamation of salt-impacted areas, soil chemistry, soil physics and wetland expert. He was retained to evaluate the land and analytical data for potential adverse effects of salt on soils and vegetation of the area and design a plan for soil remediation if deemed necessary.

HISTORY IN BRIEF

Louisiana Land and Exploration Company, et al is being sued by the State of Louisiana and the Vermilion Parish School Board for alleged soil contamination in parts of Section 16, T15S, R1E of Vermilion Parish area said to be caused by activities of exploration and production oil and gas on the property belonging to the plaintiff.

The area of interest is presently in floatant marsh, which produces wetland wildlife and fish.

SOIL SURVEY OF VERMILION PARISH

According to the Soil Survey of Vermilion Parish issued May, 1996 by USDA—SCS and Louisiana Agricultural Experiment Station, the soil types mapped in the area of interest are the Allemands soil series.

The Allemands soil series consists of very poorly drained soils that formed in moderately thick accumulations of decomposed herbaceous material overlying soft clayey saline coastal muds. These soils are in fresh water coastal marshes that are ponded and flooded most of the time. They are protected from regular daily saline tides by the Cheniere, which are actually barrier islands between them and the Gulf of Mexico. Nevertheless, strong wind tides and hurricane surges such as Hurricanes Audrey, Rita, and Ike brought in saline water to this fresh water marsh and added salt to the soil matrix.

Saline water from Hurricane Rita inundated the marsh and the toe of the Beaumont Formation behind the Cheniere Barriers for weeks and killed off most of the fresh water emergent vegetation.

Hurricanes Ike and Audrey had the same impacts, but not as ravaging as Hurricane Rita as far as depth of water and duration of flooding.

To the east of the Allemands soil series province is the Clovelly soil series. The Clovelly soil series consist of very poorly drained organic soils that formed in moderately thick accumulation of herbaceous plant material overlying soft clayey saline coastal muds. They are found in brackish marshes.

The line between the fresh water marsh of the Allemands soil series and the brackish water marsh of the Clovelly soil series moves the tides and hurricane surges. In fact, the soils in the area of interest are actually in brackish water from Hurricanes Rita and Ike.

ELECTRICAL CONDUCTIVITY AND SHALLOW SOIL SEDIMENT SAMPLING PLAN

A shallow soil sediment-sampling plan was designed to produce at least 10 "background" salinity analytical data and 23 "on site" salinity analytical data. A brief summary of these 33 shallow soil sediment sample laboratory analytical data follows:

10 Background Plots

Highest EC @ 0-2'-19.1 mmhos/cm @ plot 3
Highest EC @ 2-4'-24.6 mmhos/cm @ plot 2
Lowest EC @ 0-2'-10.7 mmhos/cm @ plot 5
Lowest EC @ 2-4'-8.2 mmhos/cm @ plot 8
Highest ESP @ 0-2'-16.4% @ plot 2
Highest ESP @ 2-4'-28.1% @ plot 2
Lowest ESP @ 0-2'-9.3% @ plot 9
Lowest ESP @ 2-4'-6.6% @ plot 7
Highest SAR @ 0-2'-19 @ plot 2
Highest SAR @ 2-4'-23.4 @ plot 2
Lowest SAR @ 2-4'-8.47 @ plot 5
Lowest SAR @ 2-4'-7.63 @ plot 7
EC average @ 0-2'-13.41 mmhos/cm
EC average @ 2-4'-14.23 mmhos/cm
ESP average @ 0-2' 12.54%
ESP average @ 2-4'-14.74%
SAR average @ 0-2'-12.54
SAR average @ 2-4'-12.83

23 On-Site Plots

Highest EC @ 0-2'-23.6 mmhos/cm @ plot 30
Highest EC @ 2-4'-39.6 mmhos/cm @ plot 31
Lowest EC @ 0-2'-7.14/mmhos/c @ plot 24
Lowest EC @ 2-4'-5.73 mmhos/cm @ plot 15
Highest ESP @ 0-2'-32.7% @ plot 29
Highest ESP @ 2-4'-56.1% @ plot 30
Lowest ESP @ 0-2'-6.5% @ plot 19
Lowest ESP @ 2-4'-5.3% @ plot 20
Highest SAR @ 0-2'-27.7 @ plot 29
Highest SAR @ 2-4'-65.7 @ plot 30
Lowest SAR @ 0-2'-8.64 @ plot 11
Lowest SAR @ 2-4'-7.20 @ plot 11
EC Average @ 0-2'-14.02 mmhos/cm
EC average @ 2-4'-15.10 mmhos/cm
ESP average 0-2'-13.28%
ESP average 2-4'-15.56%
SAR average 0-2'-15.87
SAR average 2-4'-18.05

CONCLUSIONS

The Intracoastal Canal is the main conduit that brings salty Gulf of Mexico water into the northern interior part of the Mermentau Basin marshland. Salty Gulf water from hurricane surges that over-tops the Chenieres not only inundates the marshes but also inundates the rice growing upland areas, making these soils saline.

The highest EC reading was from sample site 31. That EC was 39.6 mmhos/cm. The ESP and SAR were not compatible with that high EC. Conversely, the lowest EC reading was from site 15 also within the area of interest. In fact, that lowest EC reading was 5.73 mmhos/cm. The ESP and SAR were not compatible with that low EC. It is my opinion that those two samples may be anomalies.

Laboratory data collected during the soil survey of both Vermilion and Cameron Parish taken in the soft saline Mississippi River marine mud indicated EC's between 10 and 14 mmhos/cm. The last two hurricane salt water surges were 12 feet high or more and stayed on the marshes and some of the rice producing uplands for more than two weeks. Low rainfall after the hurricanes caused water to evaporate concentrating the salinity in the whole Mermentau Basin. Leaks of salt water into the basin at Black Bayou Locks also contribute to the salinity of the Basin.

RECOMMENDATIONS:

I recommend that as far as salinity is concerned that we do not destroy any more marsh to remediate this area. This area is in transition from fresh water marsh on soft saline Mississippi River marine mud to brackish water marsh soft saline Mississippi River marine mud. Without storm protection and strict saline water control structures (navigational locks), it probably will become saline water marsh on soft saline Mississippi River marine mud.

If the saline water conversion is slow, the soil and vegetation will change to accommodate the water changes. If the saline water conversion is rapid, the emergent vegetation will be decimated and in its place we will have open water.

SUMMARY OF SALINITY ANALYTICAL DATA

10 Background Plots

23-On-Site Plots

EC average @ 0 to 2' is 13.41 mmhos/cm EC average @ 0 to 2' is 14.02 mmhos/cm
EC average @ 2 to 4' is 14.23 mmhos/cm EC average @ 2 to 4' is 15.10 mmhos/cm

EC difference @ 0 to 2' is 0.61 mmhos/cm
EC difference @ 2 to 4' is 0.87 mmhos/cm

ESP average @ 0 to 2' is 12.54% ESP average @ 0 to 2' is 13.28%
ESP average @ 2 to 4' is 14.74% ESP average @ 2 to 4' is 15.56%

ESP difference @ 0 to 2' is 0.74%
ESP difference @ 2 to 4' is 0.82%

SAR average @ 0 to 2' is 12.54 SAR average @ 0 to 2' is 15.87
SAR average @ 2 to 4' is 12.83 SAR average @ 2 to 4' is 18.05

SAR difference @ 0 to 2' is 3.33
SAR difference @ 2 to 4' is 5.22

The plaintiff remediation plan calls for the "excavation and removal of all the soil impacted by salt and be replaced with non-saline soils". Because the Cheniere Plain Marshes developed in soft saline Mississippi River marine muds, there are 376,934 acres of salt-impacted marshlands in Vermilion Parish alone plus 1,090,622 acres of salt impacted marshlands in Cameron Parish for a total of 1,467,536 acres of salt-impacted marshlands in the Cheniere Plain. There is another 104,240 acres in Jefferson County, Texas. Does this whole area need remediation?

The difference in the average Electrical Conductivity (EC) of background sample data and on-site sample data in the AOI is less than one mmhos/cm. To destroy this area of marsh in order to reduce the EC by less than one mmhos/cm seems like a practice in futility to me.

My experiences with this type of excavation in marshland is that it is a process that completely destroys the natural ecological system including natural salinity (as indicated by the background sample site data), naturally layered soils (organic muck on top of soft saline mineral soils), natural high water table-ponded hydrology, natural vegetation of the area, and this whole natural estuarine system that cannot be replicated by man. Besides, replacing this excavated layered natural soil system with "as good or better soil material by individual layers" requires that another excavation in a similar ecological system take place. This only destroys more marshland and leaves a hole in the ground in another marsh in its place.

Replacing this saline excavated area with non-saline soil material proves to be futile because the AOI will return to its natural salinity that is less than one mmhos/cm.

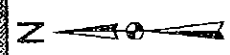
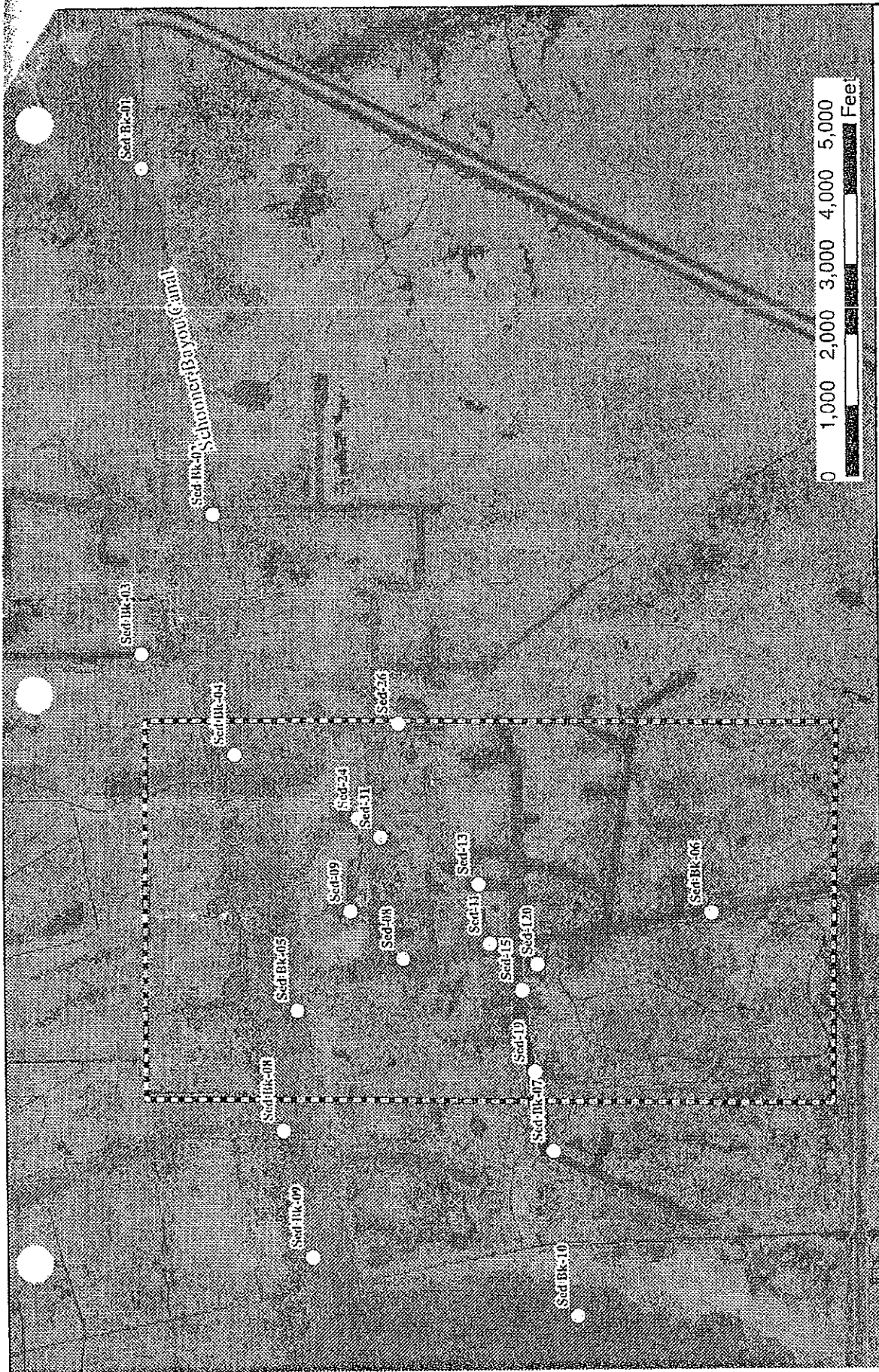
It is my opinion that the area will naturally attenuate that less than one mmhos/cm difference.

We must note that any and all areas excavated in the coastal zone marshland require permits jointly processed by the Louisiana Department of Natural Resources and the United States Army Corps of Engineers.

Permitting can only be done through mitigation with a local wetland mitigation bank. According to my conversation with the Corps of Engineers' Surveillance and Enforcement Section last week, there are no mitigation bank credits in the area available for this process to take place.

I will amend this report according to new or additional data that ay become available to me.

APPENDIX



MP & A Sample Locations (May 2010)

*East White Lake Field
Vermilion Parish, Louisiana*

MICHAEL PISANI & ASSOCIATES, INC.

Environmental Consulting Services
Houston, Texas New Orleans, Louisiana Baton Rouge, Louisiana

Designed: MEP	Drawn: PMR	Checked: MEP	Date: 10/29/09	Project: 07-47
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Notes: 2008 USGS Orthoimagery

Fig. 1

VITAE OF CURRICULUM

B. Arville Touchet Consultant Soil Scientist and President of
Bayou Cajun Environmental, Soil, and Wetland Services, Inc.
18729 Russ Rd. Abbeville, LA 70510-9724
Phone (337) 643-1644; Fax (337) 643-1644
E-mail: bayoucajun@kaplantel.net

Birth Place --Abbeville, Vermilion Parish, Louisiana; DOB March 25, 1937

Education --E. Broussard Elementary and Kaplan High School (1955) (Diploma)
--University of Southwestern Louisiana, Agronomy (1959) (B.S. Degree)
--Cornell University, Ithaca, New York, Soils Science Institute (1967)(Certificate)

Work Experience --Soil Scientist, Alexandria, LA 1959-1960
--Soil Scientist, New Roads, LA 1960-1963
--Assistant Area Soil Scientist, Alexandria, LA 1963-1967
--Soil Survey Party Leader, Ville Platte, LA 1967-1969
--Soil Survey Party Leader, Lafayette and St. Martin Parishes, La 1969-1973
--Soil Correlator, Fort Worth, TX 1973-1976
--State Soil Scientist, Alexandria, LA 1976-1992
--Wetland Land Consultant, Abbeville, LA 1992-present
--Agricultural Land Reclamation--1992-present

Accomplishments --Completed the soil survey of Evangeline Parish
--Completed the soil survey of Western Atchafalaya Basin
--Worked in all parishes of Louisiana
--Worked all contiguous 48 states, Alaska, Hawaii, Puerto Rico, Virgin Islands, and Canada
--Worked in Belgium and France
--Worked in Morocco, Nigeria, Senegal, Ivory Coast, Camaroon, Niger, Rwanda, Burundi, and Zaire, Africa
--Charter member on the National Technical Committee on Hydric Soils
--Developed and published the Zone Concept of Wetlands in River Valley Systems
--Worked on the Secretary of Agriculture's staff on the definition of "Wetlands"
--Expert in Wetlands including Hydric Soils, Hydrology, and Hydrophytic Plants
--Over 50 Years experience in soils including soils of the United States, Canada, Puerto Rico, Virgin Islands, parts of Europe, and parts of Africa
--Trainer of Agency Personnel (EPA, Wildlife & Fisheries and CORPS) in Wetland Identification including Hydric Soil, Wetland Hydrology and Wetland Vegetation
--Adjunct Professor, LSU Agronomy Department and UL College of Renewable Resources
--Instructor in wetland delineation workshop and advanced hydric soil workshop with LSU Wetland Biogeochemistry Institute--1994 to 2004

Professional --Charter member of the Louisiana Association of Agronomy
--Member of Soil Science Society of America
--Member of the International Soil Science Society
--Certified Soil Scientist
--National Society of Consulting Soil Scientists, Inc.
--License #1357 Texas Board of Professional Geoscientists (Soil Scientist)

STANDARD RATE SCHEDULE

PERSONNEL:

Personnel cost is reimbursed based on a standard daily rate of \$1000 minimum for field work, including travel time. If travel time and work time exceeds 8 hours in one day, the extra time charge will be \$125 per hour. The normal overhead fee is included in this daily rate. In office work charge is \$125 per hour.

TRAVEL & SUBSISTENCE:

All travel and subsistence are invoiced at actual cost plus 10% for handling. Cost on company-owned vehicles is computed at a rate of 58.5 cents per mile for regular vehicle and 60 cents per mile for 4 x 4 vehicle carrying all-terrain vehicle.

PURCHASED SERVICES:

All purchased services are invoiced at actual cost plus 10% for handling. These include, but are not limited to reproduction, computer and word processor time, long distance telephone calls, subcontract services, rented or leased equipment, and expendable supplies.

TERMS:

Invoices are submitted monthly for long duration contracts or upon completion of work for shorter duration contracts, and are payable "Net 30 days." Late payments will incur interest at one and one-half (1 1/2) percent per month from the original date of invoice.

IRS Tax Number: 72-1222016 -

B. Arville Touchet
Consultant Soil Scientist
Bayou Cajun Environmental,
Soils and Wetland Services, Inc.

COURT CASES:

B. Arville Touchet

Bayou Cajun Environmental, Soil, & Wetland Services, Inc.

Vitae of Curriculum (continued)

Expert Witness: Since 1995 I have testified as an expert in Soil Science in trials or depositions, in the following cases:

June 2010

LaFourche School Board

Belinda Harris

October 2009

M. J. Farms

Concordia Parish, Louisiana

October 2009

M.J. Farms—Concordia Parish, La.

August 2008

Meaux Case—Vermilion Parish, La.

February, 2007

Tebow Case—Avoyelles Parish, La.

January, February, March, 2005:

United States of America v. Robert J. Lucas, Jr. et al.

Cr. No. 1:04cr60GuRo, United States District Court

Southern District of Mississippi

Lawyers: Stone Pigman, Walther Wittmann L.L.C.

Daria Burgess Diaz

August, 2005

Grand Bayou Case (Dow Chemical)

Lawyer: Papa Trische

March, 2004

Tangipahoa Parish

Lawyer: Joe Cleveland

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Court Cases (continued)

B. Arville Touchet

Bayou Cajun Environmental, Soil, and Wetland Services, Inc.

September 7, 2004:

U. S. District court-Western District of La.-Alexandria Division

Roseland Plantation, L. L. C. v. Feltus Enterprises, L. P. and Charles C. Feltus, Sr.

File #83-263 Civil Action #CV02-0898-H

Lawyer: Bill Schockey

September , 2003-January 2004

Acadia Parish

Lawyer: Clint Bischoff (Drainage Board)

August 2003

Lafayette Parish

Lawyer: Oscar Reed

City of Broussard Case

October 2002

St. Martin Parish

John Bivens—Pat Huval Case

August 2000

Tangipahoa Parish

Lawyer: Cleveland Forest

Soil Damages

March, July 2000-February 2001

Little Rock, Arkansas

Lawyer: Sam Huer

George Wilcox Case

August 22,23,24, 2000

Houma La. 3D Seismograph v. LeBlanc, et al.

Lawyer: Paul Benoist

June 1999-July 2000, April 2001

Calcasieu, Cameron Parishes

Sweet Lake Land & Oil

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Court Cases (continued)

B. Arville Touchet

Bayou Cajun Environmental, Soil, and Wetland Services, Inc.

May 1998

Avoyelles Parish

Lawyer: John Bivens—well blowout

May 19, 1998

David Kaufman vs. city of New Orleans

January 1995—February 1996

St. Martin Parish

Lawyer: John Bivens

ALP Vol 11

JHBCJP441
JHBCJP456
JHBCJP484

ALP Vol 5

9600942	7/1/80-7/1/81	National Union	
XCP143880	7/1/80-7/1/81	INA	
781180	7/1/80-7/1/81	First State Underwriters Agencies of New England Recorp	
SRNO30215	7/1/80-7/1/81	Highlands	
CTF0122	7/1/80-7/1/81	FBH	
CTF0105	7/1/80-7/1/81	FBH	
CTF5532 (TJ71AB)	7/1/80-7/1/81	except Braun 7/15/80-7/1/81	FBH
CTF0108	7/1/80-7/1/81	FBH	
EXC100544	7/1/80-7/1/81	MOAC	
CTF5533 (TJ71B8)	7/1/80-7/1/81	except Braun 7/15/80-7/1/81	FBH
9600943	7/1/80-7/1/81	National Union	
CTF0124	7/1/80-7/1/81	FBH	
CTF553 (TJ71B8)	7/1/80-7/1/81	FBH	
CNTJ71B8	7/1/80-7/1/81	except Braun 7/15/80-7/1/81	Hogg Robinson
CTF0109	7/1/80-7/1/81	FBH	
EXC100543	7/1/80-7/1/81	MOAC	
CTF5534 (TJ71CB)	7/1/80-7/1/81	except Braun 7/15/80-7/1/81	FBH
79221880	7/1/80-7/1/81	Federal	
SRNO30216	7/180-7/1/81	Highlands	
PMMO60970	7/1/80-7/1/81	Pacific Mutual Marine	
CTF0110	7/1/80-7/1/81	FBH	
CTF5535 (TJ61D8)	7/1/80-7/1/81	except Braun 7/15/80-7/1/81	FBH
CNTJ71C8	7/1/80-7/1/81	except Braun 7/15/80-7/1/81	Hogg Robinson
CTF0111	7/1/80-7/1/81	FBH	

ALP Vol 10

JHBCJP421

JHBCJP430

ALP Vol 8

9150259A	12/1/84-12/1/85	National Union
9990103	12/1/84-12/1/87	Ins Co. State Pa
9990105	12/1/84-12/1/87	Ins Co. State Pa
EXC102715	6/1/85-6/1/86	MOAC
EXC102716	6/1/85-6/1/86	MOAC
SRNO30608	6/1/85-6/1/86	Highlands
JHB590178	6/1/85-6/1/86	London
H02335	6/1/85-6/1/86	US Fire
85Z87201	6/1/85-6/1/86	Ranger
EXC102717	6/1/85-6/1/86	MOAC
L267442	6/1/85-6/1/86	Continental
PMMO61893	6/1/85-6/1/86	Pacific Mutual Marine
85L127831	6/1/85-6/1/86	West Coast Marine Managers
CTF5610 (SDM0013)	12/1/85-12/1/86	FBH
CNEII1999A	1/27/89-6/1/90	Various Insurers
CNEII1999B	1/27/89-6/1/90	Various Insurers
CNEII1999C	1/27/89-6/1/90	Various Insurers
CNEII3095A	6/1/90-6/1/91	Various Insurers
CNEII3095B	6/1/90-6/1/91	Various Insurers

ALP Vol 13 (Fiber Tabs)

CTF0135	12/1/80-12/15/80	FBH
80129391	12/1/80-12/1/81	Ins Co State Pa
9990103	12/1/84-12/1/87	Ins Co State Pa
9990105	12/1/84-12/1/87	Ins Co State Pa

ALP Vol 12

JHBCJP484		Continued from Vol 11
9990103	12/1/84-12/1/87	Ins Co State Pa
JHBCJP456		
9990105	12/1/84-12/1/87	Ins Co State Pa
9150259A	12/1/84-12/1/85	National Union
JHBCJP501(A-C)		

ALP Vol 9

JHBCJP391
JHBCJP403

ALP Vol. 6

80129391	12-1-80/12-1-81	Ins Co State PA
80129024	12-1-80/12-1/81	Ins Co State PA
EXC100818	7-1-81/7-1-82	MOAC
9602660	7-1-81/7-1-82	National Union
CN THO1127A810000	7-1-81/7-1-84	JFS
SRNO30245	7-1-81/7-1-82	Highlands
PMMO71063	7-1-81/7-1-82	Pacific Mutual Marine
CTF5555	7-1-81/7-1-84	FBH broker
(THO1127B810000)		
CTF5556	7-1-81/7-1-84	FBH broker
(THO1127C810000)		
80128822	12-1-81/12-1-84	Ins Co State PA
9990058	12-1-81/12-1/84	Ins Co State PA
GL9150019RA	12-1-81/12-1-84	National Union
CTF3157	12-1-81/policy issuance	FBH Broker
JHB290665	7-1-82/7-1-83	Lloyds
PMMO61250	7-1-82/7-1-83	Pacific Mutual Marine
EXC101133	7-1-82/7-1-83	MOAC
SRNO30281	7-1-82/7-1-83	Highlands
82L214801	7-1-82/7-1-83	Vrs. Insurers
JHB290666	7-1-82/7-1-83	Vrs. Insurers
EXC101134	7-1-82/7-1-83	MOAC
82L214802	7-1-82/7-1-83	Vrs. Insurers

ALP Vol. 7

JHB290667	7-1-82/7-1-83	Various Insurers
JHB290893	7-1-83/7-1-84	Various Insurers
PMMO61414	7-1-83/7-1-84	Pacific Mutual Marine
EXC101580	7-1-83/7-1-84	MOAC
SRNO30333	7-1-83/7-1-84	Highlands
JHB290895	7-1-83/7-1-84	Various Insurers
JHB290894	7-1-83/7-1-84	Various Insurers
PMMO61415	7-1-83/7-1-84	Pacific Mutual Marine
EXC101581	7-1-83/7-1-84	MOAC
SRNO30334	7-1-83/7-1-84	Highlands
JHB290896	7-1-83/7-1-84	Various Insurers
JHB290895	7/1/83-7/1/84	Various Insurers
JHB490148	7/1/84-7/1/85	Various Insurers
JHB490149	7/1/84-7/1/85	Various Insurers
EXC101581	7/1/84-7/1/85	MOAC
JHB490150	7/1/84-7/1/85	Various Insurers
JHB490151	7/1/84-7/1/85	Various Insurers
JHB490148	7/1/84-7/1/85	Various Insurers (In vol 2x w/different pecentages)
PMMO61635	7/1/84-7/1/85	Pacific Mutual Marine
EXC102098	7/1/84-7/1/85	MOAC
SRNO30407	7/1/84-7/1/85	Highlands
84L124831	7/1/84-7/1/85	Various Insurers
JHB490149	7/1/84-7/1/85	Various Insurers
PMMO61636	7/1/84-7/1/85	Pacific Mutual Marine
SRNO30408	7/1/84-7/1/85	Highlands
84L124832	7/1/84-7/1/85	Various Insurers
JHB490150	7/1/84-7/1/85	Various Insurers (In vol 2x w/different pecentages)
JHB490151	7/1/84-7/1/85	Various Insurers (In vol 2x w/different pecentages)
JHB490152	7/1/84-7/1/85	Various Insurers
5220060912	7/1/84-7/1/85	International Ins Co
EXC102116	7/1/84-7/1/85	MOAC
PMMO61639	7/1/84-7/1/85	Pacific Mutual Marine
SRNO30426	7/1/84-7/1/85	Highlands
RU010058	7/1/84-7/1/85	Colonial Penn
L2436781	7/1/84-7/1/85	Continental Ins
CN8405	7/1/84-7/1/85	Various Insurers
84L127831	7/1/84-7/1/85	Various Insurers
84Z87201	7/1/84-7/1/85	Ranger
84L127832	7/1/84-7/1/85	Various Insurers

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BGA530194	8/22/78-8/22/79	Highlands
		SantaFeGeothermal- Fire, EC Correspondence
EUTFO748303A	11/20/92-11/20/93	INA
166300129398	6/1/92-6/1/93	Wausau
EUTFO7480842	11/20/87-11/20/88	INA
EUTFO7481287	11/20/88-11/20/89	INA
FO7480842	11/20/87-11/20/88	Cigna (now ACE)
GLAL915002682	1/1/82-12/1/83	National Union
61UUNVP9420	7/1/89-7/1/90	Hartford Casualty
61UUNVP9420	6/1/88-6/1/89	Hartford Casualty
61UUNVP9420	6/1/87-6/1/88	Hartford Casualty
8371006152	7/1/82-7/1/83	Federal
OZX12108	7/1/82-7/1/83	Old Republic
TXS100884	7/1/82-7/1/83	Twin City Fire (Only partial policy)
56010628	7/1/82-7/1/83	Stonewall
56005993	7/1/81-7/1/82	Stonewall
OZX12050	10/28/81-7/1/82	Old Republic
HI160304	10/28/81-7/1/82	Harbor
TXS100299	10/28/81-7/1/82	Twin City Fire
TI1669	3/31/81-3/31/82	Various Casualty Notes

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AM007936	3/5/92-3/5/93	AAMS
EII3493A-D	6/1/92-6/1/93	Various Insurers
TJCMB198T644392	4/1/92-4/1/93	Travelers Indemnity
Package Policy 6/1/92-6/1/93 Final Audit Support OEE		
EII3492	6/1/92-6/1/93	Various Insurers
EII3491	6/1/92-6/1/93	Various Insurers
Final Audit Premium and Tax	6/1/92-97	
Renewal Package and Primary/Excess Liability 6/1/92-93		
AM007936	3/5/92-?	AAMS
Casualty Renewal 6/1/92-6/1/93		
Package Policy 6/1/92-6/1/93		
Package Policy Operating Rate Calculations 6/1/92-6/1/93		
Package Policy Installment Worksheets 6/1/92-93		
Package Policy Premium Allocations Correspondence 6/1/92-93		
Fire, ECE, Geothermal Correspondence 1992		

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EII3344A-C	6/1/92-6/1/93	Various Insurers
81143197C	6/1/91-6/1/93	Federal
AIG Renewal	6/1/91-6/1/92	
TJCMB198T644391	4/1/91-4/1/92	Travelers
Worldwide General Liability	6/1/91-6/1/92	Rate and Premium Allocation
Final Audit EII Package	12/1/90-5/30/92	
Building and Contents (Alhambra Facility) Correspondence	4/1/91-4/1/92	
Executive Risk Correspondence	6/1/91-6/1/92	
61UUNVP9420	7/1/90-7/1/93	Hartford
OK04366-OK04369	6/1/90-6/1/91	OK Watershed
Casualty Program Legal Agreements	92-93	
SantaFe Excess Package Draft Wording		
Package Policy Sec 1A	6/1/92-6/1/93	
Package Policy Sec 1B	6/1/92-6/1/93	

B0001218-00

1004	7/1/71-7/1/72	Northwood
51601	7/1/71-7/1/72	Northwood
CTF51601	7/1/71-7/1/72	Swett & Crawford
40011	7/1/73-7/1/74	Northwood
110600	7/1/71-7/1/72	Harbor
GTE32002	7/1/73-7/1/74	USF&G
30011	7/1/73-7/1/74	Northwood
1003	7/1/71-7/1/72	Northwood
30012	7/1/73-7/1/74	Northwood
80917341	6/1/82-6/1/85	Federal
80917341A	6/1/85-6/1/86	Federal
53015D	7/1/73-7/1/74	Swett & Crawford
CTF5399	7/1/73-7/1/74	FB Hall
53015N	7/1/73-7/1/74	Swett & Crawford

B0002649-01

HI149034	1/15/81-1/15/84	Harbor
9541379	1/15/81-1/15/84	National Union
106934	11/12/68-11/12/71	Harbor
106935	11/12/68-11/12/71	Harbor
121137	1/15/75-1/15/75	Harbor
D&O Correspondence Folder		
4636603	1/15/78-1/15/81	National Union
133900	1/15/78-1/15/81	Harbor
D&O Correspondence for Policy # 133900 – File 1-3		
D&O Correspondence for Policy # 121137		
D&O Correspondence for Policy # 4636603		
D&O Correspondence		
Correspondence for Harbor Policy # 149034		

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Executive Risk Correspondence	6/1/82-6/1/85	
GPL1687229	2/24/85-2/2/88	National Union
Correspondence General Partnership Liability	2/24/85-2/24/88	
GPL9456308	2/24/82-2/24/85	National Union
Northwood/Southwood IBNR Foreign and Domestic Liability (WC also in folder)		
Partnership Financial Reports	2/24/85-86	for periods prior to 1/1/85
Partnership Liability Reports	2/24/85-86	as of 1/1/86
General Partnership Liability	2/24/82-2/24/85	
Executive Risk Correspondence	6/1/85-86	

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JHBCJP598	6/1/89-6/1/90	J H Blades
JHBCJP547	6/1/88-6/1/89	J H Blades
JHBCJP652(EU3173A,B&D)	6/1/90-6/1/92	J H Blades
TJCMB198T644390	4/1/90-4/1/91	Travelers
839951117	6/1/88-6/1/89	Ins Co State Pa
81143197B	6/1/89-6/1/90	Federal
GL9157510RA	8/28/89-8/28/90	National Union
GLA9151427	8/28/88-8/28/89	National Union
Building Contents Correspondence Alhambra Facility		
OK03749/50/51/52	6/1/89-6/1/90	Lloyd's (OK City Seepage & Pollution)
TJCMB198T644389	4/1/89-4/1/90	Travelers
Executive Risk Correspondence	89-91	
Package Policy Audit	6/1/89-6/1/90 & 6/1/92	
Fire, ECE Geothermal Correspondence	9/89-12/91	
Southwood Receivables/Disbursements	7/1/89-12/31/89	
Southwood Receivables/Disbursements	1/1/90-12/31/89	
Southwood Receivables/Disbursements	7/1/88-12/31/88	
Southwood Receivables	1/1/89-6/30/89	

B0003580-00

SR0025	7/1/75-7/1/76	USF&G (Reinsurance Agreement Domestic Liability)
SR0026	12/1/76-12/1/79	USF&G (Reinsurance Agreement Domestic Liability)
12662	7/1/74-7/1/75	Stonewall (Northwood Reinsurance Agreement WW Liability SR0024)
SW7811	7/1/82-7/1/83	Southwood (Retro Debit Sec 1 Domestic Pkg Policy JHBCJP421)
Cert # 025	7/1/75-7/1/75	Northwood (USF&G) (Reinsurance Agreement)
SR0070	12/1/80-12/1/81	Southwood AIU (Reinsurance Agreement- Domestic Liability)
SR0060	12/1/79-12/1/80	Southwood AIU (Reinsurance Agreement- Domestic Liability)

B0001134-00

8088406 2/1/76-6/1/76 Granite State
Package Property General Conditions Correspondence 7/1/75-76, Wetzel Surplus Pol 75017

B0009070-01

Worldwide Casualty FBH Proposals 12/1/81-12/1/84

B0008677-00

80107272
8088771

12/1/79-12/1/80
12/1/76-12/1/79

Ins Co State Pa
Granite State

B0009060-01

Harbor Insurance Correspondence File	1968-1970
Harbor Policy 107100 Loss Runs	1/1/69-6/1/70
Loss Summaries Harbor Policy 107100	1/1/70-1/1/71
Harbor Policy 107100 Correspondence	1/1/69-6/1/70
Harbor Insurance Policy 107100 Invoices	1/1/69-1/1/70 & 1/1/70-6/1/70

No Box (Package Policies)

JHBCJP484	6/1/86-6/1/87
JHBCJP676	7/1/79-7/1/80
JHBCJP373	7/1/79-80
JHBCJP353	7/1/78-79
JHBCJP318	7/1/76-77
WSLT75017	7/1/75-6/30/76 (2 files)
JHBCJP501	6/1/87-88
JHBCJP430	7/1/83-84
JHBCJP421	7/1/82-83
JHBCJP403	7/1/81-82
JHBCJP391	7/1/80-81
JHBCJP441	7/1/84-85
JHBCJP456	6/1/85-86

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JHBCJP331	7/1/77-7/1/78	
112900AN	7/1/72-7/1/73	Harbor
282310LBG	7/1/76-77	Various Underwriters (Bowering)
116521	12/28/73-8/22/75	Harbor
8078991	7/1/75-76	USF&G
D11980	1/10/74-1/1/76	Stonewall
112900B&C	7/1/72-7/1/73	Harbor (2 separate policies in same folder)
GA817790		
CL70343704350		
109400		
8088771		
913952		
8093166		
CTF5069 (SET009)		
42731267		
45HF3310		
EEC932E8257		
GA53008		
GA530008		
L041142		
VW002501		
IF8611189		
XL146978		
912428		
CN282312LCG (Bowering)		
HA092378LCK (Bowering)		
79222354		
52730231		
HEC4495291		
51234		
52632		
52632N		
116773		
8078991		
GA996753		
GL994072		
GLA1275346		
12662		
HEC9531387		
SRNO30042		
CN284714LCH		
79326078		
CNX1681809		
XS13540		
Correspondence Folder		
5442		
792221880		
SRNO30179		
PMMO60806		

EXC100319
HEC9007331
8092007
XL146972
284712LBH (FBH CTR5360)
284713 (FBH CTF 5362)
12667
H7928727
1233569
EXC100318
PMMO60805
XCP143572
1233568
SRNO30178
781092
1155025612
FBHCTF 5443 (HA187779)
HA092278LCK
BUR4005153
XS13597
EXC100156
PMMO60197 (Awkright Boston)
FBHCTF 5364 (HA092179LCK)
HA092178LCK
CNX161824
SRNO30120
915110
155U026581
XL160094
8088771 (2 folders)
CN279117LBF
112900B (loose)
11200A (loose)
107100 (loose)

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EII3764A	6/1/93-94
EII3763	6/1/93-94
EII4058A/B	6/1/94-95
EII4061	6/1/94-95
EII4062	6/1/94-95
93M0287	6/1/93-94
94M0159	6/1/94-95
Policy Summary for SFIC Domestic & Foreign 6//93-94	

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EII3491B	6/1/92-93	Various Insurers
EII3491A	6/1/92-93	Various Insurers
EII3492A-D	6/1/92-93	Various Insurers

Binder Containing:

EII3491A-B	6/1/92-93	Various Insurers
EII3492	6/1/92-93	Various Insurers
EII3493A	6/1/92-93	Various Insurers

Binder Containing :

EII3771A	6/1/93-94	Various Insurers
EII3766A	6/1/93-94	Various Insurers
EII3767	6/1/93-94	Various Insurers

Binder Containing:

EII3765	6/1/93-94	Various Insurers
EII3768	6/1/93-94	Various Insurers

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ANR5311A	6/1/96-97	Various Insurers
ANR5312	6/1/96-97	Various Insurers
ANR5313	6/1/96-97	Various Insurers
ANR5314	6/1/96-97	Various Insurers
ANR5306	6/1/96-97	Various Insurers
ANR5109	2/20/96-97	Various Insurers
ANR5307	6/1/96-97	Various Insurers
ANR5308	6/1/96-97	Various Insurers
ANR5309	6/1/96-97	Various Insurers
ANR5325	6/1/96-97	Various Insurers
ANR5326	6/1/96-97	Various Insurers
ANR5324	6/1/96-97	Various Insurers
95M141	6/1/95-96	Various Insurers
EII4634	6/1/95-96	Various Insurers
EII4635	6/1/95-96	Various Insurers
EII4636	6/1/95-96	Various Insurers
EII4625		Various Insurers
EII4059		Various Insurers
EII4060		Various Insurers
EII4078		Various Insurers
EII4075		Various Insurers
EII4056		Various Insurers
EII4064		Various Insurers
EII4063		Various Insurers
EII4627		
EII4056		

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EII4055
EUTFO748463A
Geothermal Invoices
EII4064
800261751
80251647
Pkg Policy Changes After Inception 6/1/95-96
Executive Risk Renewal Info 95-96
EII4056-7
EII4078A-C
OBE Turnkey Wells 94-95
Pkg Policy Final Audit 94-95
EII4059
EII4058Pkg Policy Premium Allocation
Misc Correspondence Incl Minerals
OK Watershed Policy
Misc Commercial Property Pkg Info
KTJCMB198T644394
Domestic Property Renewal 94-95 and Correspondence
EII4056
KTJCMBM98T644395
Pkg Policy Premium Allocations
EII4641, EII4642, EII4643
Correspondence incl Minerals
OK Watershed Policies
Geothermal Confirmation and Renewal Info 95-96
95-96 Premium Schedules

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AIU Casualty Renewal
81414699
Pkg Policy Premium Allocation 93-94
Pkg Policy Final Audit OEE Only 93-94
Pkg Policy Audits (Geothermal)
Insurance Rates incl OEE 93-94
Executive Risks Correspondence
Executive Risks Correspondence
6119394 Renewal Info
Discontinued Operations 94-96
Pkg Policy 6/93-94 Sec A & C
94-95 Premium Schedule
OK Watershed Correspondence
AIG Domestic Casualty Indemnity Agreements 6/1/93-94
MM94MO159L
Excess Liability Correspondence 92-93
Renewal Pkg Policy & Primary Liabilities Underwriting Info 93-94
TJCMB198T644393
WW Gen Liability Rates & Premium Allocations
57610193
61UUNVP9420
80251038
Primary Casualty Policy Summary 6/1/92
Pollution OK Watershed
Pollution OK Watershed

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Executive Risks 96-97

ANR5109

P&I Renewal 95-96

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Insurance Rates 96-97

Executive Risks 97-98

ARS1825

Folder reading AON Pkg Policy 6/1/97

Pkg Policy Audit 6/1/97-98

166800136806

Executive Risks 98-99

ARS1700

Misc Policies

Wausau HPR Folder 166800136806

6/1/96-97 Pkg Policy Changes After Inception

6/1/99 Renewal Correspondence

6/1/99 Renewal Info

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ARS2342

AON Anniversary Renewal Review 99-00

SFIC Insurance Rates 6/1/99-00

ARS2342

166900136806

166000136806

166102136806

FO1293D7 (D&O Extension 6/10/00-01)

Casualty Permanent Folder Legal & Policy Interpretations

Pkg Policy Permanent File Confirmation if Rate Indications and Quotes

Pkg Policy Permanent File Policy Interpretations

Pkg Policy Permanent Underwriters Loss Payment Orders

MM97M0270

EURFO7483612

Accordian File with Various Pkg Correspondence