

## INDEX

*Page numbers in italics refer to figures and illustrations.*

- accidents, offshore drilling. *See* safety, offshore drilling
  - active pit system, definition of, 109
  - Adair, Red, 167
  - Administration for Children and Families, 193
  - Administrative Procedure Act, 152
  - Agenda for Revitalizing Coastal Louisiana, 212
  - Alabama, effects of Macondo oil spill on, 131, 138, 140, 150, 153, 155, 172, 176–77, 185, 188, 278–79
  - Alaska, oil and gas industry in: *Exxon Valdez* spill, 36, 70, 130n, 132–33, 144, 189, 194, 211–12, 231–32; future of, 294, 299, 301–5; history of, 2, 31, 35–36, 40, 45, 46, 52, 63, 67, 78, 220, 301; recommendations for reforms in, 252, 253, 254, 261, 263n, 265
  - Alaska Natives, 194, 303
  - Alexander Kjelland* (rig), 68–69
  - Allen, Thad, 136–39, 137, 147, 151, 156–57, 161, 164–67, 169
  - Alonso, Dan, 142
  - Amerada Hess Corporation, 227
  - American Chemistry Council, 233
  - American Exploration Company, 226
  - American Petroleum Institute (API), 30, 71, 225, 228–29, 241–42
  - Amoco, 32, 40, 43, 43, 45, 221, 226–27. *See also* BP
  - Anadarko Petroleum, 2, 43, 48, 51, 90, 94, 227
  - Anderson, Jason, 5–6, 7–8, 17, 107, 109, 112–14
  - Andrus, Cecil, 62–63
  - annular preventers, for Macondo well, 93, 107, 108, 114, 274, 275
  - Apache Corporation, 227
  - Arco, 43, 45, 70
  - Arctic, oil and gas industry in, 35–36, 44, 250, 252, 253, 254, 262, 263n, 265, 294, 301–5. *See also* Alaska, oil and gas industry in
  - Arctic Council, 304
  - Arctic Offshore Oil and Gas Operation Guidelines, 304
  - Area Committees, 265–66, 268
  - Area Contingency Plans, 265–66, 268, 271
  - Argo, 227
  - Army Corps of Engineers, U.S., 154, 156–57, 169, 204, 206–08
  - Asian immigrant populations, in Gulf of Mexico region, 179, 192, 193
  - Atchafalaya River, 199, 204
  - Atlantic Richfield. *See* Arco
  - Atlantis site, 46–50
  - ATP Oil & Gas Corporation, 227
  - Audrey, Hurricane (1957), 25
  - Audubon Society, 141
  - Auger site, 23, 36, 38–40, 39, 42
  - Australia, offshore oil and gas industry in, 44, 224
- 
- Baker, James III, 221–22
  - Baker Hughes, 38, 44
  - Bankston* (supply vessel), 8, 9, 12, 13, 14, 16–19, 130
  - barrier islands, along Gulf of Mexico coast, 154, 193–94, 199, 203, 206–07
  - beaches, effects of Macondo oil spill on, 155, 175–77, 185–91
  - Berger, Jonah, 188
  - berms, use of after Macondo oil spill, 151–57, 169; recommendations for reforms affecting, 265, 271
  - Bertone, Steve, 5, 9–11, 13–17
  - Betsy, Hurricane (1965), 27
  - Bhopal (India), chemical leak in, 231–34
  - BHP Billiton, 46, 51, 226–27
  - Bik, Holly, 177
  - birds, in Gulf of Mexico region, 141, 142, 143, 175–77, 181, 183
  - Birnbaum, Elizabeth, 151
  - Blanchard, Dean, 171
  - blowout preventer (BOP), 92; attempts to seal at Macondo well, 131–32, 137–38, 146, 149–50, 159–67, 159n, 253n, 273; and causes of Macondo well blowout, 115, 120, 121–22; engineering challenges of, 28, 49, 52; on Macondo well, 7, 13, 14, 19, 92–93, 103, 114–15, 121–22; recommendations for reforms affecting, 274–75; safety regulations for, 73–74, 152
  - Blue Water 1* (drilling barge), 23, 25
  - Boeing, 230
  - Bonnie, Tropical Storm (2010), 154

- boom, use of after Macondo oil spill, 132, 140–41, 151–54, 153, 170, 177, 179
- BP: and causes of Macondo well blowout, 90, 115–27, 125, 221; compensation of victims of Macondo well blowout and oil spill, 179, 185–86, 189, 193, 278, 283, 284, 287; containment initiatives after Macondo well blowout and oil spill, 241–43; corporate revenue of, 2, 284; and drilling of Macondo well, 2–4, 42, 82–85, 89–90, 92–115, 132, 273, 274; engineering innovations of, 31–32; expenditures on Macondo well blowout and oil spill response, 135n, 179, 184–85, 188, 189, 194, 238, 244, 278, 283, 284, 287; history of drilling in Gulf of Mexico, 2, 36–37, 40–41, 43, 45–53; lawsuits against after Macondo well blowout and oil spill, 279; response to Macondo well blowout and oil spill, 16–17, 130–70, 174, 184–85, 188, 189, 194, 272, 274; risk-management processes of, 216–21; and safety issues, 2, 6, 216–21, 224–25, 295
- BP Deepwater Horizon Oil Budget: What Happened to the Oil?*, 167–69, 167n, 168n
- Brazil, offshore oil and gas industry in, 44
- Breaux, John, 207
- Breaux Act (1990). *See* Coastal Wetlands, Planning, Protection and Restoration Act (1990).
- Brice-O'Hara, Sally, 136
- Bromwich, Michael, 241
- Brown, Douglas, 4, 9
- Brown, Michael, 137
- Brown, Stephen, 297
- Brown & Root, 21, 24, 32
- Browne, John, 45, 47
- Browner, Carol, 161, 165, 167–68, 167n
- Bullwinkle site, 33, 34, 36–38, 40
- Bureau of Indian Affairs, 63
- Bureau of Land Management, 26, 63, 76–77
- Bureau of Ocean Energy Management, Regulation, and Enforcement (BOEMRE), 55, 131n, 241, 255, 255n, 257, 261, 266, 273, 290
- Burkeen, Dale, 17
- burning of surface oil, after Macondo oil spill, 143, 159, 168–69, 168n, 168
- Bush, George H. W., 24, 67
- Bush, George W., 52, 137
- California, oil and gas industry in, 20, 23, 26, 28–29, 29, 31, 56, 58, 63, 67, 135, 181, 297, 301
- Callon Petroleum Operating Company, 227
- Camardelle, David, 151
- Cameron International Corporation, 131
- Camille, Hurricane (1969), 27
- Campbell, Pat, 167
- Canada, offshore oil and gas industry in, 69, 302
- capping stack, 162–67
- Carden, Stan, 11, 13, 15, 16
- Carla, Hurricane (1961), 27
- Carter, Jimmy, 59–63
- casing, offshore well, 91, 95; and attempts to seal Macondo well after blowout, 158, 162; in Macondo well, 4, 92–99, 102–6, 113, 115; safety regulations for, 30, 43, 152
- cement evaluation tools, definitions of, 102
- cementing, in offshore wells, 91, 99; and attempts to seal Macondo well after blowout, 132, 167, 169; and causes of Macondo well blowout, 115–18, 125; in Macondo well, 1, 3–4, 7, 94, 96, 98–103; safety regulations for, 152, 228
- Centers for Disease Control and Prevention, 141
- centralizers, offshore well, 96; in Macondo well, 96–97, 116, 118, 123; safety regulations for, 77
- C. F. Bean, 157
- CGG Veritas, 44
- Chaisson, Nathaniel, 102
- chemical industry, safety issues in, 233
- Chemical Safety Board, 219, 221–22
- Chet Morrison Contractors, 44
- Chevron: containment initiatives after Macondo well blowout and oil spill, 243–45; history of drilling in Gulf of Mexico, 21, 24, 29, 32, 42, 43, 46, 47, 50, 51, 84n; oil-spill response plans of, 133; and safety issues, 226–27
- Chu, Steven, 138, 148–50, 148, 161–65, 253n
- civil aviation, safety issues in, 229
- Clark, Donald, 17, 109
- Clean Gulf Associates, 30
- Clean Water Act, 80, 84, 200, 211, 245, 265, 280
- climate change, 295, 298, 300, 305
- Coalition to Restore Coastal Louisiana, 207
- coastal and marine spatial planning, 201, 262–63, 281–82
- Coastal Impact Assistance Program, 208
- Coastal Studies Institute (Louisiana State University), 206
- Coastal Wetlands, Planning, Protection and Restoration Act (1990), 207
- Coast Guard, U.S.: recommendations for reforms in, 251, 256, 257, 266–74, 276; and regulation of offshore drilling, 62, 68n, 75–76, 301, 304; response to Macondo well blowout and oil spill, 17–19, 129–61, 163, 170
- Coast Guard-Bureau of Ocean Energy Management, Regulation, and Enforcement Deepwater Horizon Joint Investigation Team, 130n

- Coast 2050, 207
- Cocales, Brett, 97, 116
- cofferdam (containment dome), use of after Macondo oil spill, 145–46, 159
- Cognac site, 23, 31–32
- Commerce, Department of, 255
- Commission on Fiscal Accountability of the Nation's Energy Resources (1981–82), 63–64
- Commission on Ocean Policy, U.S. (2004), 281
- Concept Safety Evaluation program (Norway), 71
- Congress, role of in regulation of oil and gas industry: history of, 56, 58–60, 62–63, 65–67, 70, 76, 79–82, 85, 269, 298, 301; overlapping committees, 288–89; recommendations for reforms in, 249–91, 299, 304, 306
- ConocoPhillips, 31, 34, 40, 42–43, 68–69, 84n, 133, 244–45
- Constitution, and environmental protection, 57, 67
- contracting, in offshore oil and gas industry: history of, 24, 37–38, 40, 43–44, 74; and liability issues, 245–46; recommendations for reforms in, 251–54; and safety issues, 221–22
- Cook, Kevin, 157, 166
- Cooper, Anderson, 139, 150, 157, 187
- Cooper, George, 149
- corals, in Gulf of Mexico, 174–75, 182, 183
- Corexit (dispersant), 144
- Costner, Kevin, 142
- Council on Environmental Quality, 210, 260–62
- Cox, Christopher, 234
- crabs, in Gulf of Mexico, 175, 177–78, 186–87
- Creole site, 21–22, 23
- Crist, Charlie, 150, 151
- Crone, Timothy, 167n
- Cuba, offshore oil and gas industry in, 254, 300
- Curtis, Stephen, 8, 17, 109, 113–14
- Danciger Oil & Refining Co., 2
- dead zone. *See* hypoxia
- DeepStar consortium, 38
- deepwater drilling: changing definitions of, 25–27, 31, 41–43, 41, 46, 52–53; engineering challenges of, 2, 24, 26–28, 31–34, 35, 36–38, 46, 52–53, 90–92, 94; future of, 293–306; history of, 21–53, 49; moratorium on after Macondo well blowout and oil spill, 151–52, 185; recommendations for reforms in, 249–91, 299–300; safety issues with, 35–36, 72–76, 216–45; size of reservoirs, 31–33, 36–45, 46–48, 51, 91; spill containment options for, 135–36, 145–46, 149
- Deepwater Horizon* (rig), 1; blowout events of April 20, 8–19, 18, 88, 102–15; causes of blowout, 90, 115–27, 125; crew of, 1–6, 191, 198, 223; and drilling of Macondo well, 2–4, 53, 92–115; history of, 1–3, 23, 44, 51, 53; oil spill, 127, 129–70; safety issues on, 6, 223; sinking of, 55, 130–32. *See also* Macondo well
- Deepwater Horizon MC252 Gulf Incident Oil Budget*, 167–69, 168n
- Deepwater Royalty Relief Act, 23, 42, 76
- Defense, Department of, 183, 208, 255. *See also* Army Corps of Engineers, U.S.
- Dekle, Scott, 187
- Deltares, 154
- Dennis, Hurricane (2005), 48, 50
- Denny, Patricia, 189
- Department of Defense Appropriation Act of 2006, 208
- departments, U.S. *See specific departments under the first key term in their names (e.g., Interior, Department of the)*
- Designated Engineering Representatives, 230, 234
- Devon Energy, 47, 227
- Diamond Offshore, 43
- Dickey, Bob, 187
- Discoverer Enterprise*, 46, 49, 145, 159, 159
- Discoverer Seven Seas*, 33, 37
- dispersants, use of: after Macondo oil spill, 133, 143–45, 147, 160–61, 169–70, 168, 174–76, 180, 181–82, 187; recommendations for reforms affecting, 265, 269, 270–71, 278
- diverter system, definition of, 114
- Dodd, Mark, 176
- dolphins. *See* marine mammals
- Dominion Exploration & Production, 225
- Drake, Edwin, 296
- Dresser Industries, 44
- drilling terminology, definitions of, 91
- drill pipe, 74, 91; in Macondo well, 4, 5, 6–7, 92–93, 104–08, 110–14, 111, 113, 120–21
- Duplessis, Bonnie, 209
- Duplessis, Clarence R., 209

- East Cameron Partners, 227
- economy, effects of Macondo oil spill on, 173–74, 179, 185–91, 200; compensatory damages related to, 174, 179, 185–86, 189, 193, 278, 283, 284, 287; fishing and seafood industry, 139–41, 163, 170, 171, 179, 185–88, 188, 193–94, 197, 209; health problems of local population, 191–95; local businesses, 155, 163; oil and gas industry, 151–52, 185–86, 197; ports of, 186, 197; recommendations for reforms related to, 275–82; tourism, 155, 177, 185–86, 188–91, 197
- Effective Daily Recovery Capacity regulations, 270
- Eisenhower, Dwight, 58
- El Paso E&P Company, 227
- emergency disconnect system, and Macondo well blowout, 13–15, 114–15
- Endangered Species Act, 80, 84, 181
- Energy, Department of, 59; recommendations for reforms in, 253, 253n, 264, 267, 270, 272; response to Macondo well blowout and oil spill, 148–50
- Energy Information Administration, 302
- Energy Partners, Ltd., 227
- energy policy: future of, 294–306; goal of energy independence, 56, 59–60, 294
- Energy Resource Technology, 227
- engineering: contracting for, 24, 44; for deepwater drilling, 2, 31–32, 35, 36–38, 53, 90–92, 94; of Mississippi River, 177, 194, 197, 204, 206, 210; recommendations for reforms in, 243, 269–70, 272–75; and response to Macondo well blowout and oil spill, 135–37, 143–50, 154, 156–62, 164–70
- Eni US Operating Co., 227
- environment, effects of Macondo oil spill on, 172–73, 173–95, 175, 176, 196–97, 202; deepwater oil plumes, 175, 181–82; marine ecosystems, 174–82; Natural Resource Damage Assessment, 182–85, 276; recommendations for reforms related to, 275–82; waste from response effort, 170; wildlife health, 139–43, 153–54, 174–82
- Environmental Defense Fund, 187
- Environmental Protection Agency (EPA), 235; recommendations for reforms in, 257, 262, 266, 267–72, 274, 278, 282; and regulation of offshore drilling, 68n, 219, 255; response to Macondo well blowout and oil spill, 133, 143–45, 160, 167n, 170, 187
- environmental protection movement, 29–30, 33, 56, 58–60, 63, 79–85, 197–213
- Environmental Studies Program (Department of the Interior), 59, 259, 263
- equivalent circulating density (ECD), definition of, 94
- erosion, in Gulf of Mexico region, 197–213, 205
- Eureka* (drillship), 27
- explosions, history of in oil and gas industry, 8–19, 29–30, 69, 102–15, 217–20, 216, 220
- ExxonMobil: containment initiatives after Macondo well blowout and oil spill, 240, 243–45; history of drilling in Gulf of Mexico, 25, 36, 40, 42, 42n, 45, 46, 84n; oil-spill response plans of, 133; Operations Integrity Management System (OIMS), 231–32; role in response to Macondo well blowout and oil spill, 164
- Exxon Valdez* (vessel), oil spill from, 36, 70, 130n, 132–33, 144, 189, 194, 211–12, 230, 232, 270, 277n, 280, 288
- Exxon Valdez* Oil Spill Trustee Council, 280
- Exxon Valdez* Trustee Council Science Panel, 211
- Ezell, Randy, 5–8, 11, 15–16, 18, 112, 114
- Fairways Offshore Exploration, Inc., 227
- Farm Security and Rural Investment Act (2002), 270
- Federal Aviation Administration (FAA), 230, 253n
- Federal Communications Commission (FCC), 257, 290
- Federal On-Scene Coordinator, 130–31, 134–36, 135n, 138, 142–44, 150, 153, 160–62, 170, 270, 276
- Feinberg, Kenneth, 189, 194, 287
- Fina Oil & Chemical Company, 45
- fish, in Gulf of Mexico, 139–40, 174–75, 178–81, 185–88, 193–94
- Fish and Wildlife Service, U.S., 58, 206, 262, 303
- fishing and seafood industry, 30; effects of Macondo oil spill on, 139–43, 163, 171, 179, 183, 185–88, 188, 193–94, 197, 209, 278–79; overfishing by, 199, 201
- Fitzgerald, Timothy, 187
- Flex Trend site, 31–32
- Fleytas, Andrea, 7, 10, 15, 16
- float valves, in Macondo well, 98, 102, 116–19
- Flood Control Act (1928), 204
- Florida, 208; effects of Macondo oil spill on, 131, 138, 140, 150, 153, 174, 177, 188–89, 191, 278; offshore oil and gas industry in, 67, 67n, 254, 297
- Florida Department of Environmental Protection, 153
- Florida Restaurant and Lodging Association, 191
- flow-rate estimates, Macondo oil spill, 132, 133, 146–47, 149–50, 158, 166, 167, 167n, 274
- Flow Rate Technical Group, 147, 167n
- Food and Drug Administration (FDA), 170, 187
- food safety, concerns about after Macondo oil spill, 170, 185–88, 278–79
- Forcenergy, 227
- Ford, Gerald, 63
- Forest Oil Corporation, 227
- Formal Safety Assessment program (United Kingdom), 71
- Forties Alpha platform (BP), 219

- fracture pressure, definition of, 90  
 Frank's Casing Crew and Rental Tools, 44  
 Freeport McMoRan, 227
- Gagliano, Jesse, 96–97, 101, 102  
 García Márquez, Gabriel, 53  
 Garwin, Richard, 149, 165  
 Gauthé, Sharon, 192  
 Gazprom (company), 300  
 Geological Survey, U.S., 25–26, 28–30, 63–65, 79; recommendations for reforms in, 253, 263, 264, 270, 272, 274; response to Macondo well blowout and oil spill, 147, 161, 166, 168n  
 geology, subsurface, 52–53; Lower Miocene deposits, 47; Lower Tertiary (Paleogene) deposits, 23, 47, 51, 52; at Macondo site, 2, 3, 89; Middle Miocene deposits, 3; role of salt in, 22, 24, 32–33, 39, 41–43, 45, 49, 52; technology for surveying, 27, 32–34, 37–38; Upper Jurassic deposits, 39  
 Geophysical Services Inc. (GSI), 37  
 Gervasio, Antonio, 12  
 Glasscock Drilling Company, 25  
 Global Industries, 44  
 Global Marine, 36, 44  
 GlobalSantaFe, 2  
*Glomar Challenger* (drillship), 27  
 Gonzalez, Elian, 136  
 Gordon, Wayne, 163  
 GovernanceMetrics International, 231, 232n  
 government, role of in oil and gas industry. *See* regulation of oil and gas industry, federal and specific departments and agencies by name  
 Government Accountability Office, 261  
 Grangemouth Complex (BP), 218–19  
 Greater New Orleans, 191  
 Great Flood of 1927, 197, 204  
 Great Lakes, 263  
 Green Canyon, oil and gas drilling in, 40, 46–48  
 Greenland, offshore oil and gas industry in, 302  
 Guide, John, 4, 96, 97, 98, 99, 102, 116  
 Gulf Coast Claims Facility, 185–86, 189, 193, 283, 287  
 Gulf Coast Ecosystem Restoration Council, recommendation for, 280–81  
 Gulf Coast Ecosystem Restoration Science and Technology Program, recommendation for, 281  
 Gulf Coast Ecosystem Restoration Task Force, 210, 279  
 Gulf Island Fabricators, 44  
 Gulf of Mexico: economic impact of Macondo oil spill on, 139–43, 173–95; environmental recovery and restoration of, 197–213; future of, 293–306; history of drilling in, 2, 21–53; recommendations for reforms affecting, 249–91; regulation of drilling in, 55–57, 62, 65–67, 71, 72–76, 80–85  
 Gulf of Mexico Alliance, 185  
 Gulf of Mexico Energy Security Act (2006), 208, 210  
 Gulf of Mexico Integrated Ocean Observing System, 282  
*Guns of Navarone, The*, 162  
 Gustav, Hurricane (2008), 197–98, 203
- Hafle, Mark, 2, 97  
 Haire, Chris, 109  
 Hall-Houston Oil Company, 226  
 Halliburton Company, 38, 44, 74; and causes of Macondo well blowout, 90, 115–18, 123–25, 125, 223; and cementing of Macondo well, 1, 2–4, 90, 94–103; and safety issues, 222–24, 295  
 Hanzalik, James, 130  
 Harrell, Jimmy, 4–5, 11, 13, 17, 92, 107  
 Hay, Mark, 19  
 Hayward, Tony, 135, 144, 150, 157, 159  
 health, effects of Macondo oil spill on human, 141, 144, 170, 174, 185–88, 190, 192, 191–95, 277–78  
 Health and Human Services, Department of, 141  
 Hecht, Michael, 191  
 Heerema Marine Contractors, 44  
 Helis Oil & Gas Corporation, 227  
 Helix Energy Solutions Group, 244–45  
 Herbst, Lars, 135, 157  
 Hess Corporation, 51  
 Hickel, Walter, 29  
 Hilda, Hurricane (1964), 27  
 Hitec system, 110, 110n, 112  
 Holloway, Caleb, 113

- Holstein site, 46–49  
Homeland Security, Department of, 62, 131, 255. *See also* Coast Guard, U.S.  
Hormuz, Straits of, 296  
Houston, Oberon, 219  
Houston Exploration Company, 226–27  
Hsieh, Paul, 166  
Humble Oil, 24, 27  
Hunt Oil Company, 227  
Hunter, Tom, 148, 149, 161–62, 165  
Huntington, Hillard, 297  
hurricanes. *See specific hurricanes by name* (e.g., Katrina, Hurricane)  
hypoxia, in Gulf of Mexico, 198–200  
Hyundai Heavy Industries, 44
- Ida, Hurricane (2009), 2, 92  
Ike, Hurricane (2008), 198, 296  
Incident Command Posts, 130–31. *See also* Unified Command  
Inglis, Andy, 146  
injuries, offshore drilling. *See* safety, offshore drilling  
Institute of Nuclear Power Operations (INPO), 234–42, 239n, 240n  
Interagency Alternative Technology Assessment Program, 142  
Interagency Ocean Policy Task Force, 262, 281  
Interior, Department of the, 54; changes in after Macondo well blowout, 250; and environmental recovery and restoration of Gulf of Mexico, 181–83; history of regulation by, 29, 33, 55–85, 228–29, 239–240; recommendations for reforms in, 249–91, 299, 304; response to Macondo well blowout and oil spill, 55, 78n, 131, 131n, 143, 145, 152, 181, 183. *See also* Minerals Management Service (MMS) *and other specific agencies by name*  
International Association of Drilling Contractors (IADC), 72  
International Organization for Standardization (ISO), 252, 304  
International Regulators' Forum, 252, 254  
Iran: oil and gas industry in, 36, 45, 296; Revolution of 1979, 31, 63  
Iraq, oil and gas industry in, 296  
Ivan, Hurricane (2004), 50  
Ixtoc oil spill, 225, 244
- Jackson, Lisa, 145, 160–61, 167n  
Jack 2 site, 23, 47  
Jindal, Bobby, 138–39, 150–51, 151, 153, 154, 156–57, 169, 212  
Johnfroe, Donald Jr., 192  
Joint Oceanographic Institutions for Deep Earth Sampling project, 27  
Jones, Gordon, 17  
Jones Act, 142–43  
J. Ray McDermott, 24, 31–32, 44  
junk shot, 148–49  
Justice, Department of, 30, 287
- Kaluza, Robert, 3, 6, 14, 98, 105, 107, 124  
Kash, Don, 64–65  
Katrina, Hurricane (2005), 50, 136–37, 145, 163, 191–93, 195, 198, 203, 206, 208–9, 212, 296  
Keith, Joseph, 109, 112  
Kelley, Merrick, 120  
Kemp, Roy Wyatt, 17, 112  
Keplinger, Yancy, 7, 11, 15, 16  
Kermac 16 site, 23, 24  
Kerr-McGee Oil Industries, 22, 24, 48, 227  
kick detection, in Macondo well, 91, 109–14, 120–21  
Kleppinger, Karl Dale, Jr., 17  
Kuchta, Curt, 4–5, 7–8, 13, 14–17  
Kuwait, oil fires in during first Gulf War, 149
- Lambert, Lee, 107  
Landrieu, Mary, 150, 152, 204  
Landrieu, Mitch, 150, 151  
Landry, Alwin J., 12, 14

- Landry, Mary, 130–31, 133–34, 134, 143
- Lawrence Berkeley National Laboratory, 148
- Leasing and Environmental Science Office, recommendation for, 258–59, 261, 262, 264
- leasing of offshore drilling sites, federal, 61; and environmental considerations, 29, 59–63, 79–82; history of, 24, 26, 31, 33, 52–52, 58–63; recommendations for reforms in, 249–91; royalties from, 56, 58, 63–67, 64, 76–78, 295
- Lee, Alvin, 156
- Leno, Jay, 149
- levees, on Mississippi River, 197, 204, 206, 208, 210
- Lili, Hurricane (2002), 50
- Lindsay, Sheryl, 155
- LLCG Exploration Offshore, Inc., 227
- lockdown sleeve, on Macondo well, 104, 120, 123, 127
- Louisiana: effects of Macondo oil spill on, 138–40, 150–54, 156–57, 161, 163, 171, 174–81, 187–88, 191–95, 271, 276, 278; environmental recovery and restoration of, 197–213; oil and gas industry in, 21–53, 58, 60, 78, 292, 292–93, 297
- Louisiana Act 6 (1989), 207
- Louisiana Coastal Area Comprehensive Coastwide Ecosystem Restoration report, 207
- Louisiana Coastal Area Ecosystem Restoration Program, 207
- Louisiana Coastal Protection and Restoration Authority, 208
- Louisiana Coastal Protection and Restoration Fund, 208
- Louisiana Department of Health and Hospitals, 140
- Louisiana Department of Wildlife and Fisheries, 140
- Louisiana–Mississippi Gulf Coast Ecosystem Restoration Working Group, 210
- Louisiana National Guard, 133
- Louisiana Office of Coastal Protection and Restoration, 154
- Louisiana State University Charity Hospital, 195
- Lubchenko, Jane, 167n, 168–69
- Lutz, Peter, 133
- Lyder, Jane, 181
- Lynch, Richard, 146, 160
- Mabus, Ray, 210, 211, 279–80
- MacDonald, Ian, 186, 187
- Macondo well: attempts to seal after blowout, 131–32, 137–38, 149–50, 159n, 162, 164–67; blowout events of April 20, 8–19, 88, 102–15; causes of blowout, 89, 115–27, 125; drilling of, 2–4, 23, 53, 89–115, 93; geology of site, 3, 89; naming of, 53 oil spill from, 127, 129–70; Oil Spill Response Plan for, 84, 133; permit process for, 77, 82–84, 104, 108, 127, 132; relief wells, 132, 135, 157, 158, 166–67, 169
- Mad Dog site, 46–49
- Magnuson–Stevens Fishery Conservation and Management Act, 80, 81, 83–84
- mangroves, effects of Macondo oil spill on, 175, 177, 186
- Mansfield, Brent, 10–11, 17
- Manti Operating Company, 227
- Manuel, Blair, 17
- Marathon Oil Corporation, 51
- Marianas* (rig), 2, 92–93
- Marine Board (National Research Council), 70–71
- marine ecosystems, effects of Macondo oil spill on, 174–78, 180–182
- Marine Mammal Commission, 181
- Marine Mammal Protection Act, 80
- marine mammals: in Arctic oil regions, 303; in Gulf of Mexico, 174–75, 178, 180, 181, 183
- Marine Protected Areas, 282
- Mariner Energy, 51, 227
- Marine Spill Response Corporation, 132–33, 243
- Marine Well Containment Company (MWCC), 243–45
- marshes: effects of Macondo oil spill on, 139, 143, 154, 174–75, 177, 181, 186, 202; and environmental recovery and restoration of Gulf of Mexico, 202, 205–8
- Mars site, 36–37, 40, 45, 50
- Martinez, Dennis, 17
- Massachusetts, coastal and marine spatial planning in, 201
- Matrix Oil & Gas, 227
- Matterhorn* (rig), 19
- Max Chouest* (vessel), 19
- McKay, Douglas, 58
- McNutt, Marcia, 147–49, 161, 165, 274
- Meche, Gregory, 12, 112
- media coverage of Macondo well blowout and oil spill: effects of on food safety concerns and tourism, 187–88; initial, 129–30; of response to oil spill, 139, 141, 142–43, 142n, 149, 150, 167–68
- Meinhart, Paul, 15
- Melancon, Charlie, 150
- Merritt, Carolyn W., 219
- Meshkati, Najmedin, 223

- Mexico, oil and gas industry in, 21, 254, 300
- microbes. See oil-degrading microbes
- Minerals Management Service (MMS), 54, 73, 75; and causes of Macondo well blowout, 126–27; corruption and mismanagement in, 77–79, 250, 251, 254–55; creation and early history of, 23, 33, 36, 38–39, 42, 56, 63–69; environmental protection role of, 55–57, 79–85, 206, 254–55; permit process for Macondo well, 82–85, 126–27, 273; permitting role of, 55–57, 254–55; reorganization of after Macondo well blowout, 55, 131n, 255; response to Macondo well blowout and oil spill, 19, 131, 131n, 133, 135–36, 145, 149–50, 152, 157, 161; revenue collection role of, 55–57, 63–67, 64, 76–78, 254–55; and safety issues, 67–76, 75. *See also* Bureau of Ocean Energy Management, Regulation, and Enforcement (BOEMRE)
- Mississippi, 208: effects of Macondo oil spill on, 131, 138, 140, 170, 177, 187, 191, 193
- Mississippi Canyon, oil and gas drilling in, 2, 3, 31, 42, 46, 47–48, 53, 89
- Mississippi Canyon Block 252, 2, 53, 89, 92
- Mississippi River: agricultural pollution in, 198–200; effects of Macondo oil spill on, 177, 178; environmental recovery and restoration of, 197–213; geology of, 22, 27, 202, 204; in history of oil and gas industry, 22, 24, 27, 31, 37, 50; re-engineering of, 194, 197, 204, 206, 210
- Mississippi River and Tributaries Project, 204
- Mississippi River Gulf of Mexico Watershed Nutrient Task Force, 200
- Mississippi River Gulf Outlet, 206
- M-I SWACO, 3, 98, 106
- MMS. *See* Minerals Management Service (MMS)
- mobile drilling, history of, 24–26, 44
- Mobil Oil. *See* ExxonMobil
- MOEX, 2, 90, 94
- Montara (platform), 224
- Monterey Bay Marine Sanctuary, 67
- moratoriums, offshore drilling, 36, 52, 58, 67; in response to Macondo well blowout and oil spill, 151–52, 185, 247
- Morel, Brian, 2, 3, 4, 96, 97, 98, 102, 104, 116, 123
- Mr. Charlie* (drilling barge), 23, 24
- Mr. Gus* (drilling barge), 25
- mud, use of in offshore wells, 91, 105, 106; and causes of Macondo well blowout, 115, 120–24, 125; in Macondo well, 7, 8, 92–94, 96, 98–99, 103–07, 109–14; in top kill and static kill efforts at Macondo well, 149–50, 158, 166–67
- mudflats, effects of Macondo oil spill on, 175, 177
- Munich Re, 246
- Murphy Exploration & Production Company, 227
- Murray, Chad, 11, 13, 15, 16
- Na Kika project, 46, 48
- Nalco, 144
- Napolitano, Janet, 131, 136
- National Academy of Engineering, 223, 253
- National Academy of Sciences, 264, 296, 303
- National Commission on the BP Deepwater Horizon Oil Spill and Offshore Drilling, 151, 192, 225, 249–50, 291, 295, 305–6
- National Contingency Plan, 130–32, 134–36, 138–39, 141, 144, 265–69, 271–72, 274, 277–78, 304
- National Domestic Violence Hotline, 193
- National Energy Act (1978), 59
- National Environmental Policy Act (NEPA) (1970), 29, 56, 59, 60, 62, 80–82; and Macondo well blowout, 81n, 82–84, 83n; recommendations for reforms in, 258–62, 265, 267, 289
- National Incident Commander, 136–37, 141, 143, 156, 267, 268, 270
- National Marine Fisheries Service, 140, 141
- National Marine Sanctuaries, 80, 81, 282
- National Ocean Council, 201, 276, 281–82
- National Oceanic and Atmospheric Administration (NOAA); and environmental recovery and restoration of Gulf of Mexico, 201, 212; recommendations for reforms in, 253, 256, 257, 262–68, 270–71, 274, 282; and regulation of offshore drilling, 68n, 81, 84, 84n; response to Macondo well blowout and oil spill, 131, 133, 140–41, 143, 145, 153, 157, 168–70, 178, 181, 183, 187, 189
- National Oceanographic Partnership Program, 264
- National Research Council, 298
- National Response Framework, 278
- National Response Team, 131, 141, 268, 269, 272, 274
- National Science Foundation, 28, 184, 276
- National Wildlife Federation, 141
- Natural Resource Damage Assessment, 182–85, 186, 264, 276–77, 276n
- Natural Resources Revenue, Office of (ONRR), recommendation for, 256–60
- Naval Petroleum Reserve, 58, 296
- Navy, U.S., 22–24, 58, 228–30, 234
- negative-pressure tests, 105; and causes of Macondo well blowout, 118, 119, 121, 123–24, 125, 126; on Macondo well, 4–7, 104–09, 112; safety regulations for, 228
- Neptune site, 23, 43
- Newfield Exploration Company, 51, 226
- Nguyen, Ve Van, 179



- Nigeria, oil and gas industry in, 36, 45  
 Nixon, Richard M., 29, 31, 59, 63, 135  
 NOAA. See National Oceanic and Atmospheric Administration (NOAA)  
 NOAA Catch Share policy (2010), 201  
 Norcen Explorer, 226  
 North Sea, oil and gas industry in, 23, 31, 34, 38, 45, 68–69, 71–72, 124, 218, 225, 252  
 Norway, offshore oil and gas industry in, 68–69, 71, 201, 218, 302  
 Nuclear Electric Insurance Limited (NEIL), 237  
 nuclear power, safety issues in, 229–31, 235–41  
 Nuclear Regulatory Commission (NRC), 235–37, 239, 253n, 258  
 Nungesser, Billy, 150–51, 151, 154, 156–57
- Obama, Barack: address on Macondo well blowout and oil spill, 173, 212; commissioning of studies after Macondo well blowout and oil spill, 249, 279–80, 291; creation of BP escrow fund, 185; environmental policies of, 201, 210, 212, 262–63, 281; plan to expand offshore leasing, 53, 84n, 301; response to Macondo well blowout and oil spill, 131, 136, 148, 150–51, 151, 156, 162, 191  
 O'Bryan, Patrick, 5–8, 14, 105  
 Occidental Petroleum, 69, 219  
 Occupational Health and Safety Administration (OSHA), 68n, 141, 144, 234  
 occupational safety, definition of, 218  
 Oceaneering, 3, 38  
*Ocean Endeavor* (rig), 19  
 Ocean Energy, 226  
 Ocean Energy Safety Institute, 272  
 Ocean Foundation, 181  
*Ocean Ranger* (rig), 69  
 OCS Group, 3  
 Odum, Marvin, 233  
 Office of Management and Budget (OMB), 72, 210, 251  
 Office of Natural Resources Revenue, 55  
 offshore drilling. *See* deepwater drilling; oil and gas industry, offshore; *and specific aspects of the offshore oil and gas industry by name*  
 Offshore Drilling and Exploration Company, 24  
 Offshore Operators Committee, 28, 30, 72  
 Offshore Safety and Anti-Pollution Equipment Committee, 30  
 Offshore Safety Authority, recommendation for, 256, 257–58, 289–90  
 Offshore Technology Conference, 30, 52  
 Ognedal, Magne, 69, 218  
 oil and gas industry, offshore: corporate safety culture of, 215–47; future of, 293–306; history of, 21, 21–53, 55–85; recommendations for reforms in, 215–16, 239–45, 249–91, 293, 306; regulatory history of, 55–85; and supply and demand for oil in U.S. history, 22, 25, 31–33, 34, 46, 52, 63, 293–306. *See also specific companies and aspects of the industry by name*  
 Oil Budget report, 167–69, 168n  
 oil-degrading microbes, 174  
 Oil Pollution Act (1990), 70, 80, 83–84, 130n, 132, 182–85, 191, 212, 232, 245; recommendations for reforms in, 268–70, 276, 279, 283, 286–87  
 Oil Spill Liability Trust Fund, 134, 135n, 141, 211, 283–87, 304  
 Oil Spill Response Plans, 83–84  
 oil spills: history of, 2, 23, 28–29, 29, 31, 36, 53, 56, 58–59, 63, 71, 130n, 132–33, 135, 144, 174, 181, 189, 194, 211–12, 216–20, 223–25, 230–31, 232, 241, 243, 270, 277n, 280, 288; after Macondo well blowout, 127, 129–70, 198  
 One Hundred Years of Solitude (García Márquez), 53  
 OPEC oil embargo (1973), 31, 56, 296  
 Orca Energy (Dunhill), 227  
 Oregon, offshore oil and gas industry in, 26, 67, 297  
 Oryx Energy, 43, 226  
 Outer Continental Shelf Lands Act and Amendments (1953/1978), 23, 30, 57–64, 79, 80, 84, 254–56, 262–64  
 Outer Continental Shelf Safety Oversight Board, 78–79, 78n, 82  
 Overton, Keith, 191  
 oysters, in Gulf of Mexico, 140, 163, 176, 178–79, 186–87
- Paradis, Joseph, 130  
 Parish Presidents (Louisiana), 139–40, 154  
 Patzek, Tad, 229  
 Pemex, 254, 300  
 Pennsylvania, oil and gas industry in, 296  
 Pennzoil, 32  
 Perdido site, 51

- Perry, Harriet, 178  
 Petrobras, 44, 51, 226  
 Petroleum Geo-Services, 44  
 Philadelphia Electric, 238  
 Phillips Petroleum Company. *See* ConocoPhillips  
 Pillow, Travis, 187  
 pipelines, oil and gas, 25, 30, 35, 49, 296, 302  
 Pipeline Safety Act, 256  
 Piper Alpha (platform), 23, 69–70, 217, 227  
 Placid Oil, 34  
 platforms, offshore oil and gas, 22, 24–25, 28, 30, 34–35, 35, 39, 41–42  
 Pleasant, Christopher, 6, 13, 19, 114–15  
*Pompano* (U.S. Coast Guard cutter), 17, 130  
 pore pressure, definition of, 90  
 positive-pressure tests, on Macondo well, 4, 104, 105  
 President's Council of Advisors in Science and Technology, 298  
 President's Council on Environmental Quality, 81n, 83, 84n  
 Price-Anderson Act, 237  
 Primary Care Access Stabilization Grants, 195  
 process safety, definition of, 218  
 Project Independence, 31  
 Project Mohole, 26  
 Prudhoe Bay pipeline (BP), 2, 222  
 Pure Oil, 21
- Q4000* (vessel), 159–60, 159
- R&B Falcon, 44  
 Ragen, Tim, 181  
 Rainey, Dave, 45  
*Ramblin' Wreck* (boat), 10, 17  
 rams, in offshore well blowout preventer, 52, 74: and causes of Macondo well blowout, 122; in drilling of Macondo well, 92–93, 114; and oil spill after Macondo well blowout, 131, 137–38, 149, 275  
 Randolph, Charlotte, 150  
 Rapid Response Research (RAPID) Program, 184  
 Reagan, Ronald, 63, 66  
 Regional Citizens' Advisory Councils, 268–69  
 Regional Contingency Plans, 265  
 Regional Response Teams, 143, 145, 265, 268, 271  
 regulation of oil and gas industry, federal: and causes of Macondo well blowout, 126–27; changes in after Macondo well blowout and oil spill, 55, 72, 152, 211–12, 228, 255; compared to other nations, 69–72; compared to other risky industries, 229–41; conflicting priorities in, 28, 55–60, 65, 68–76, 80–82, 200–201, 228–29, 254–55; congressional role in, 56, 58–60, 62–63, 65–68, 71, 72, 76, 79–82, 85, 269, 298, 299, 301, 304, 306; Constitutional authority for, 57, 67; definition of lands under federal control, 58, 239; failure to respond to changes in industry, 72–74, 228, 239; history of, 29, 55–85; and industry self-policing, 234–35, 237–42; liability issues, 243–46; recommendations for reforms in, 215–16, 239–45, 249–91, 293, 299, 306. *See also specific regulatory agencies by name*  
 relief wells, at Macondo site, 132, 135, 158, 159, 166–67, 169  
 remotely operated vehicles (ROV), 38; in drilling of Macondo well, 3, 93; in response to Macondo well blowout, 19, 131–32, 146, 164  
 renewable energy sources, 256–59, 264, 294–95  
 Repsol (company), 300  
 Resource and Conservation Recovery Act, 106–7  
 response to Macondo well blowout and oil spill, 129–70; attempts to seal blowout preventer, 131–32, 137–38, 146, 149–50, 159–67, 159n; boom and berms, 151–57, 169–70; capping stack, 162–67; cofferdam (containment dome), 145–46, 150, 159; compensation of victims, 179, 185–86, 189, 194, 278, 283, 284, 287; confusion of authority in, 130, 135–36, 138–39, 149, 151, 160–61 dispersant use, 133, 143–45, 147, 160–61, 169–70, 174, 180, 181–82, 187; firefighting, 130–31, 130n; flow-rate estimates, 132, 133, 146–47, 149–50, 158, 166, 167, 167n, 274; local population and, 139–43, 152–55, 170; moratorium on offshore deepwater drilling, 151–52, 185; nuclear option, 146; oil removal efforts, 132–33, 140–45, 151–57, 168–69; plumes controversy, 181–82; recommendations for reforms related to, 249–91; relief wells, 132, 135, 157, 158, 166–67, 169; search and rescue efforts, 12–19, 129–32; top kill and junk shot, 148–50, 158–59, 161–62, 166. *See also specific companies, government agencies, and individuals by name*  
 Responsible Care initiative (American Chemistry Council), 233  
 Revette, Dewey, 5, 17, 107–9, 112–13  
 Rhode Island, coastal and marine spatial planning in, 201  
 Rickover, Hyman, 230  
 Riley, Bob, 150, 153  
 riser, offshore well: engineering challenges of, 37, 49, 51; and Macondo well, 7, 14, 18, 103–11, 103n, 114, 115, 120, 121, 124; and oil spill at Macondo well, 132–33, 132, 145–47, 159, 159n, 164

- Riser Insertion Tube Tool, 146
- risk management, offshore oil and gas industry, 217–47, 251–54. *See also* safety, offshore drilling
- Rita, Hurricane (2005), 50, 136–37, 145, 197–98, 208, 212, 296
- Robichaux, Brenda Dardar, 193, 203
- Rooster Petroleum, 227
- Roshto, Shane, 17, 112
- Royal Dutch Shell. *See* Shell Oil
- rupture disks, in Macondo well, 158–59, 162, 274
- Russia, offshore oil and gas industry in, 302
- safety, offshore drilling: accident and injury rates, 3, 27–28, 30, 55, 69, 217–28, 226, 228, 232, 251, 254; changes in regulation of after Macondo well blowout and oil spill, 55, 72, 227, 243; compared to other risky industries, 229–42; conflict with revenue generation, 56, 254–55; corporate culture and, 215–47; with deepwater drilling, 35–36, 90–91; in hurricanes, 22, 25, 27, 50–51; inspections for, 68–76, 75, 78–79; insurance for, 245–46; recommendations for reforms in, 215–17, 239–45, 249–91, 293–95; regulation of, 28–30, 56, 68–76. *See also* explosions; oil spills
- Safety and Environmental Enforcement, Bureau of, 55
- Safety and Environmental Management Program (SEMP), 71–72, 242
- Safety and Environmental Management System (SEMS), 228, 251, 253, 257
- safety case approach, 68–69, 227, 252, 252n, 258
- safety culture, definition of, 218
- Salazar, Ken, 55, 78, 78n, 131–32, 131n, 136, 147–48, 148, 151–52, 161, 165, 255, 260, 301
- salt, role of in offshore oil and gas reservoirs, 22, 24, 32–33, 39, 41–43, 45, 49, 52
- Salvin, Bill, 147
- Sandell, Micah, 9, 12
- Sandia National Laboratories, 149
- Santa Barbara Channel, oil spill in (1969), 23, 26, 28–29, 29, 31, 56, 58–59, 63, 135, 181
- Saucier, Mike, 135
- Saudi Arabia, oil and gas industry in, 21
- Schlumberger, 3–4, 38, 44, 103, 118, 129
- Scire, Grace, 192
- Sears, Richard, 223
- Securities and Exchange Commission (SEC), 234
- Sedco-Forex, 44
- September 11, 2001, terrorist attacks of, 75, 136
- September 11th Victim Compensation Fund, 185, 287
- Sepulvado, Ronald, 3
- Shaw Group, 157
- Shell America* (vessel), 33
- Shell Oil, 301–2; containment initiatives after Macondo well blowout and oil spill, 243–45; history of drilling in Gulf of Mexico, 21, 23, 24, 25–26, 30–30, 31–34, 36–41, 45, 48, 51, 84n; oil-spill response plans of, 133; role in response to Macondo well blowout and oil spill, 164; and safety issues, 226, 231–33
- Shivers, Bradley, 10
- shoe track, in Macondo well, 97–98, 97, 102, 120, 121
- shrimp, in Gulf of Mexico, 140, 144, 175, 179, 186–87
- Sierra Club, 65
- Sims, David, 4–8, 14, 17, 19, 97
- Skidmore, Ross, 4
- skimming, use of after Macondo oil spill, 129, 132, 140, 143, 154, 161, 167n, 168, 169
- Slocum, Alexander, 149
- Smit Salvage Americas, 130
- Sole, Mike, 153
- Sonat Offshore Drilling, 33, 37
- spacer, in Macondo well, 7, 7n, 106–9, 106, 111–12, 119, 121
- Sperry Sun, 109–11, 110n, 112, 121
- Spill of National Significance designation, 136–37, 155, 267–68, 278–79, 283, 287
- Sport Fish Restoration and Boating Trust Fund, 207
- Stafford Act (1988), 138, 268–69
- Standard Oil of California, 21
- Standard Oil of New Jersey, 24
- Stanislaus, Mathy, 161
- State On-Scene Coordinators, 138
- static kill, 166–68
- Statoil, 44, 47, 51
- Stone Energy Corporation, 227
- Strategic Petroleum Reserve, 296–97
- Strickland, Tom, 136
- Submerged Lands Act (1953), 23, 58
- SUBSAFE system, 230–31, 234
- Substance Abuse and Mental Health Administration, 194
- Sunseri, Al, 163
- Sunseri, Blake, 163
- Sunseri, Sal, 163

- Superior Energy Services, 167  
 Superior Oil, 21  
 Suttles, Doug, 133, 134, 145, 146, 159, 164
- Tabler, Vincent, 102  
 Taffaro, Craig, 140  
 Tana Oil and Gas Corporation, 226  
 Taylor, Sharon, 142  
 Technip, 44  
 temporary abandonment procedures, 4n, 77, 103; at Macondo well, 4, 6, 103–6, 109, 119–20, 123, 126–27  
 Tenneco, 32  
 Texaco, 21, 27, 38  
 Texas: effects of Macondo oil spill on, 177; oil and gas industry in, 2, 21–53, 58, 217–20, 297  
 Texas City refinery (BP), 2, 218–22  
 Thierens, Harry, 138  
 3-D seismic imaging, for offshore drilling, 27, 33, 37–38, 42–45  
 Three Mile Island meltdown (1979), 229, 235, 239, 240n  
 Thunder Horse site, 23, 46–47, 49  
 Tiber site, 51  
 Tillerson, Rex, 232, 240  
 Tolstoy, Maya, 167n  
 Tooms, Paul, 150, 161  
 top kill, 148–50, 158–59, 161–62, 166  
 Total (oil company), 43, 44, 52  
 tourism, effects of Macondo oil spill on, 155, 185–86, 188–91, 197  
 Trahan, Buddy, 5, 7, 11, 13, 17  
 Trans-Alaska Pipeline, 35, 302  
 Transocean, 44, 74; and causes of Macondo well blowout, 90, 115–27, 124, 223; and drilling of Macondo well, 2–4, 90, 92–115 response to Macondo well blowout and oil spill, 130–31, 137–38; and safety issues, 223–23, 295  
 Transportation, Department of, 68n, 255  
 tribal communities, in Gulf of Mexico region, 193–94  
 Tri-Union Development Corporation, 227  
 Truman, Harry, 58, 296, 298  
 Trustees for Natural Resources, 277, 282  
 tuna, in Gulf of Mexico, 83n, 175, 178, 180  
 Turner, Eugene, 177  
 turtles, in Gulf of Mexico, 175, 180–81, 180, 183, 184
- Ultra-Deepwater and Unconventional Natural Gas and Other Petroleum Resources Program, 253  
 Unified Area Command, 131, 135, 139, 161, 181  
 Unified Command, 131–33, 135, 138–41, 143–46, 149, 154  
 Union of Concerned Scientists, 239n  
 Union Oil Company, 28, 32, 58, 227  
 Union Pacific Resources Company, 227  
 United Houma Nation, 193–94, 203  
 United Kingdom, offshore oil and gas industry in, 69–72, 218–19, 228–29  
 United Kingdom Health and Safety Executive, 218–19  
 U.S. departments and services. *See specific departments and services under the first key term in their names (e.g., Coast Guard, U.S.; Interior, Department of the)*  
 USS *Thresher* (submarine), 229, 230, 231  
 Utilities Solid Wastes Activities Group, 235
- Valdez*, oil spill from *See Exxon Valdez* (vessel), oil spill from  
 Van Oord, 154  
 Vastar Resources, 226  
 Vessels of Opportunity program, 129, 140–41, 170, 287  
 Vidrine, Don, 6, 8, 13, 107–8, 112  
 Virginia, offshore oil and gas industry in, 301  
 Vitter, David, 150, 156
- W & T Offshore, 227  
 Walter Oil & Gas Corporation, 227

- Walz, Gregory, 97
- Washington, offshore oil and gas industry in, 26, 67, 297
- Water Resources Development Act (2007), 207
- Watson, James, 160, 162
- Watt, James, 56, 63–67, 66, 76
- Weatherford International, 96, 98
- Weise, Adam, 17, 112
- Well Integrity Team, 162, 164
- Wereley, Steve, 147
- West Africa, offshore oil and gas industry in, 44
- Western-Geco, 44
- wetlands, in Gulf of Mexico region, 173, 175, 194, 197–208, 210–13
- whales. *See* marine mammals
- Wheeler, Wyman, 5–6, 11, 15–16, 107
- wildlife, in Gulf of Mexico. *See specific types of wildlife by name*
- Wild Well Control, 167
- Williams, Mike, 9, 10, 15–16
- Winslow, Daun, 5, 6, 7, 12–14, 17, 19
- Woods Hole Oceanographic Institution, 146–47, 147n
- workforce, offshore oil and gas industry: effects of Macondo oil spill on, 152, 185; logistical challenges of, 3, 22, 34; and safety issues, 3, 6, 28, 30, 69, 152, 215–29, 232–34, 239–42, 251; whistleblowers in, 254
- Worley Parsons, 44
- wrack zone, 177
- 
- Young, David, 16, 112–13
- 
- Zane Barnes* (vessel), 36
- Zapata Offshore Company, 24
- Zukunft, Paul, 161, 170

