

CONTENTS

Chapter 1. Introduction	1
Chapter 2. Sampling subsurface oilfield waters	7
Chapter 3. Analysis of oilfield waters for some physical properties and inorganic chemical constituents	19
Chapter 4. Interpretation of chemical analysis of oilfield waters	125
Chapter 5. Significance of some inorganic constituents and Physical properties of oilfield waters	133
Chapter 6. Organic constituents in saline waters	177
Chapter 7. Origin of oilfield waters	193
Chapter 8. Classification of oilfield waters	253
Chapter 9. Some effects of water upon the generation, migration, accumulation, and alteration of petroleum	293
Chapter 10. Geochemical methods of exploration for petroleum and natural gas	307
Chapter 11. Geopressured reservirs	343
Chapter 12. Compatibility of oilfield waters	367
Chapter 13. Valuable minerals in oilfield waters	389
Chapter 14. Sbsurface disposal	419
Chapter 15. Solubilities of some silicate minerals in saline waters	441
Chapter 16. Environmental impact of oil-and gas-well drilling, production and associated waste disposal	
Practices	461
Reference Index	477
Subject Index	485