

TABLE OF CONTENTS

Title page	1	Comments from president and editors	5
Table of Contents	2	List of WGA publications	6-7
Dedication page	3	Stratigraphic nomenclature chart	8
List of officers and editorial staff	4	List of Advertisers	272

WILLISTON BASIN AND ADJACENT AREAS

TECTONIC HISTORY OF THE SWEETGRASS ARCH, A KEY TO FINDING NEW HYDROCARBONS, MONTANA AND ALBERTA — by Warren Shepard and Betsy Bartow	9
FLAXTON FIELD, BURKE COUNTY, NORTH DAKOTA — by Nels E. Voldseth	21
SOUTH COTEAU FIELD: INTEGRATION OF GEOLOGY, PETROPHYSICS, AND ENGINEERING YIELDS MISSION CANYON OIL — by Jacob D. (Jake) Eisel and Michael L. Hendricks	45
GOOSENECK FIELD, NORTHERN WILLISTON BASIN — by Andrew C. Weinzapfel and Douglas G. Neese	61
INTERLAKE PRODUCTION AT CHARLSON FIELD, MCKENZIE COUNTY, NORTH DAKOTA, — by Edmond E. Bates, Jr.	83

BASINS OF CENTRAL AND WESTERN WYOMING

MICKELSON CREEK FIELD EXTENSION: A MESAVERDE UNCONFORMITY TRAP — by Peggy Williams	99
MADDEN ANTICLINE: GROWING GIANT — by Jeffrey M. Dunleavy and Roger L. Gilbertson	107
NEW INTERPRETATION OF CLARK'S FORK FIELD, NORTHERN BIGHORN BASIN, MONTANA — by Jeffrey S. Johnson and Nancy Lindsley-Griffen	159

POWDER RIVER BASIN AND ADJACENT AREAS

CLINIFORM SLOPE GEOMETRY OF A WALL CREEK SANDSTONE, SALT CREEK OIL FIELD, WYOMING — by William H. Curry, III	189
NORTH FORK AND CELLERS RANCH FIELDS: "DIFFERENTIAL SEDIMENTATION" OR THRUST-FOLDING? — by Donald S. Stone	199
NORTH FORK AND CELLARS RANCH FIELDS, JOHNSON CO., WYOMING: EXAMPLES OF LATE PERMIAN TECTONISM AND RESULTANT DIFFERENTIAL SEDIMENTATION - REPLY — by W. Richard Moore	217
HIGH ROAD FIELD, CAMPBELL COUNTY, WYOMING — by David L. Tyler and Allen C. Modro	233
SLATTERY FIELD, POWDER RIVER BASIN, WYOMING: A MULTIDISCIPLINARY INTERPRETATION OF A COMPLEX MINNELUSA (PERMIAN) FIELD — by Richard J. Sheppy	245
A SEISMIC-STRATIGRAPHIC ANALYSIS OF NORTH HOLLINGSWORTH FIELD, FALL RIVER COUNTY, SOUTH DAKOTA — by John A. Morel, Phillip H. Bursk and J. William Finch	257