



2024



International Field Exploration and Development Conference

Conference Preview

12 - 14 September, 2024

Xi'an China



International Field Exploration and Development Conference (IFEDC) 2025

Call for Papers and Speakers

Scope of Topics

1. Basic Geological Theory of Oil & Gas Exploration and Development
2. Geophysical Exploration Technology
3. Geophysical Well Logging
4. Fine Reservoir Description
5. Dynamic Reservoir Monitoring
6. Reservoir Engineering and Management
7. Reservoir Drilling and Completion
8. Oil & Gas Production Engineering
9. Enhanced Oil Recovery for Oil & Gas Reservoirs
10. Coalbed Methane Exploration and Development
11. Geothermal Resource Exploration and Development
12. Natural Gas Hydrate Exploration and Development
13. Carbon capture, Utilization and Storage (CCUS)
14. Gas Storage Facility Construction and Operation Management
15. Artificial Intelligence and Big Data Application in Oil & Gas Fields

Abstracts Submission Deadline: 30 April 2025

Full papers Submission Deadline: 16 May 2025

Exhibition Opportunity

Exhibition at IFEDC offers you the opportunity to demonstrate your company's advanced technologies and expertise, increase your brand awareness and reinforce its recognition in the China and world market.

Contact Information

Camille Cheng

Office: +86 298827 1228

E-mail: paper@ifedc.org

WhatsApp: +0086 183 9218 3593

Website: www.ifedc.org



Welcome Message

Dear colleagues,

We're thrilled that you've joined us for International Field Exploration and Development Conference 2024 in Xi'an, China. IFEDC, as a worldwide, efficient and professional platform to exchange views for the oil and gas industry, significantly promotes the reservoir surveillance, intelligent oilfield, unconventional reservoir development and EOR. IFEDC has become an annual high-qualified technical conference since 2011.

The theme of IFEDC 2024 is 'Navigating the Transitions to a Clean Energy Future', and it is expected to 2500+ participants from 30+ countries, 800+ technical presentations and 30+ multi-disciplinary technical sessions from all main oil & gas field companies in China, which are mainly from PetroChina, SINOPEC, CNOOC, Shaanxi Yanchang Petroleum (Group) Co. Ltd.

This remarkable gathering of thousands of engineers and professors from all over the world will provide ample opportunity to share our best practices and advances in knowledge and technology.

Welcome to IFEDC and we hope that you enjoy and are thoroughly inspired and edified by IFEDC 2024!

Sincerely,
IFEDC Organizing Committee



Table of Contents

Welcome Message.....	1
Table of Contents.....	1
About the Conference.....	1
Organization	2
Schedule of Events.....	4
Opening and Panel Sessions.....	6
Keynote Presentation Sessions.....	6
Excellent Paper Award Ceremony.....	6
Technical Program.....	7
E-poster Seminars for Sharing.....	97
Exhibition Opportunities	129
Sponsorship Opportunities.....	141
Registration.....	130
General Information.....	131



About the Conference

IFEDC, as a worldwide, efficient and professional platform to exchange views for the oil and gas industry, significantly promotes the reservoir surveillance, intelligent oilfield, unconventional reservoir development and EOR in the petroleum industry exploration. IFEDC has become an annual high-qualified academic conference since 2011 and it is expected to 2500+ participants from 30+ countries, 800+ technical presentations and 30+ multi-disciplinary technical sessions from all main oil & gas field companies in China, which are branches from PetroChina, SINOPEC, CNOOC, Shaanxi Yanchang Petroleum (Group) Co. Ltd.

IFEDC aims to promote the application and development of new methods and achievements in oil and gas fields. It also strengthens cooperation between China and multilateral countries to achieve mutual benefit and win-win situation. Formal presentations and panel discussions will provide conference participants with a unique opportunity to engage with the leaders and engineers in these fields to explore ideas and solutions.

2024 International Field Exploration & Development Conference (IFEDC) will be held from 12-14 September, 2024 at Jiyuan International Hotel, No. 555, West Chang'an Street, Chang'an District, Xi'an City, Shaanxi Province, China

Join technical professionals academia specialising in:

- Basic Geological Theory of Oil & Gas Exploration and Development
- Geophysical Exploration Technology
- Geophysical Well Logging
- Fine Reservoir Description
- Dynamic Reservoir Monitoring
- Reservoir Engineering and Management
- Reservoir Drilling and Completion
- Oil & Gas Production Engineering
- Enhanced Oil Recovery for Oil & Gas Reservoirs
- Coalbed Methane Exploration and Development
- Geothermal Resource Exploration and Development
- Natural Gas Hydrate Exploration and Development
- Carbon capture, Utilization and Storage (CCUS)
- Gas Storage Facility Construction and Operation Management
- Artificial Intelligence and Big Data Application in Oil & Gas Fields



Organization

Organizer	Shaanxi Petroleum Society, Xi'an Shiyou University
Executor	College of Petroleum Engineering, Xi'an Shiyou University Petroleum Engineering Professional Committee, Shaanxi Petroleum Society Xi'an Sinoline Petroleum Science & Technology Co., LTD.
Co-organizer	Heilongjiang Petroleum Society Hubei Petroleum Society Jilin Petroleum Society Liaoning Petroleum and Petrochemical Society Xinjiang Petroleum Society Yangtze University China University of Petroleum (East China) Institute of Rock and Soil Mechanics, Chinese Academy of Sciences Youth Working Committee, Chinese Petroleum Society CNPC Logging (CPL) CNPC Xibu Drilling Engineering Company Limited CNPC Chuanqing Drilling Engineering Company Limited (CCDC) BGP INC., China National Petroleum Corporation Research Institute of Petroleum Exploration & Development (RIPED) PetroChina Changqing Oilfield Company PetroChina Tarim Oilfield Company PetroChina Southwest Oil & Gasfield Company PetroChina Xinjiang Oilfield Company SINOPEC North China Petroleum Bureau SINOPEC Jiangnan Oilfield SINOPEC Shengli Oilfield SINOPEC Northwest China Petroleum Bureau SINOPEC Key Laboratory of Enhanced Oil Recovery for Fracture-vuggy Reservoirs CNOOC (China) Co., Ltd. Tianjin Branch Shaanxi Yanchang Petroleum (Group) Co., Ltd. Sinochem Petroleum Exploration and Development Co., Ltd.



<p>Journal Support</p>	<p>Springer Nature Earth Science Bulletin of Geological Science and Technology Oil Geophysical Prospecting Petroleum Exploration and Development Petroleum Geology & Experiment Well Logging Technology Lithologic Reservoir Fault Block Oil & Gas Field Petroleum Drilling Techniques Petroleum Geology and Recovery Efficiency Xinjiang Petroleum Geology Journal of Xi'an Shiyou University Unconventional Oil & Gas Xinjiang Oil & Gas</p>
<p>Media Support</p>	<p>Upstream Oil & Gas News HXAN China Petroleum Daily China Chemical Industry News China Reform Daily Science and Technology Daily</p>

Schedule of Events

Date	Meeting Room	Session	Co-organizer
11 September	Hotel Lobby	Registration and Materials Collection	Conference Affair Committee
12 September Morning	Golden Chang'an Hall, 2F	Opening and Panel Sessions	Academic Committee
		Keynote Presentation Sessions	Academic Committee
12-14 September	HongFu Hall, 3F	Session 1 Basic Geological Theory of Oil & Gas Exploration and Development	Xi'an Shiyou University
	XiangRui Hall, 3F	Session 2 Geophysical Exploration Technology	Bureau of Geophysical Prospecting INC., China National Petroleum Corporation
	QiuYue Hall, 3F	Session 3 Geophysical Well Logging	SINOPEC Matrix Corporation
	MingDe Hall, 5F	Session 4 Fine Reservoir Description	State Key Laboratory of Oil and Gas Reservoir Geology and Exploitation (Chengdu University of Technology)
	ChunXiao Hall 3F	Session 5 Dynamic Reservoir Monitoring	Testing Technology Service Branch, Daqing Oilfield Company, PetroChina
	MingSi Hall 5F	Session 6 Reservoir Engineering and Management	Changqing Oilfield Branch Company, PetroChina
	WenHui Hall 5F	Session 7 Reservoir Drilling and Completion	CNPC Engineering Technology R&D Company Limited
	WenYuan Hall 5F	Session 8 Oil & Gas Production Engineering	Research Institute of Oil Production Engineering of Daqing Oilfield Co Ltd
	WenHua Hall 5F	Session 9 Enhanced Oil Recovery for Oil & Gas Reservoirs	Xinjiang Oilfield Branch Company, PetroChina
	MingRui Hall 5F	Session 10 Coalbed Methane Exploration and Development	China Coal Group Xi'an Research Institute (Group) Co., Ltd.
	MingRui Hall 5F	Session 11 Geothermal Resource Exploration and Development	The Geothermal Professional Committee , China Energy Research Society
	JinYu Hall 3F	Session 12 Natural Gas Hydrate Exploration and Development	Institute of Rock and Soil Mechanics, Chinese Academy of Sciences
	JinYu Hall 3F	Session 13 Carbon Capture, Utilization and Storage (CCUS)	China University of Petroleum, Beijing



International Field Exploration and Development Conference 2024

	LongFeng Hall 3F	Session 14 Gas Storage Facility Construction and Operation Management	SINOPEC Petroleum Exploration and Production Research Institute
	RongHua Hall 2F	Session 15 Artificial Intelligence and Big Data Application in Oil & Gas Fields	Research Institute of Petroleum Exploration and Development-Northwest, PetroChina
12 September 18:30~20:30	Golden Chang'an Hall, 2F	Excellent Paper Award Ceremony	Academic Committee & Review Expert Team
12-14 September	Front Porch of Meeting Room	E-poster Seminars for Sharing	Conference Organizing Committee
12-14 September	Front Porch of Meeting Room	Technical Product Exhibitions	Conference Organizing Committee

Note:

1. The conference will be held at Jiyuan International Hotel in Xi'an, China.
2. The conference will be held online and offline simultaneously.

Opening and Panel Sessions

8:30-8:40	Opening Ceremony Host: Rong-Jun Zhang, Xi'an Shiyou University, Vice President, Professor 1. Speech by the President Jin-fu Wang, Xi'an Shiyou University 2. Speech by the President Xin-yun Zhang, Shaanxi Petroleum Society
8:40-8:45	Group Photo
8:45-9:40	Panel Sessions Host: De-Sheng Zhou, Xi'an Shiyou University, Head of Huang Dainian-style Teachers Team of National Universities, Professor
9:40-10:00	Coffee Break and E-poster Seminars for Sharing

Keynote Presentation Sessions

Host: Qing'an Guo, Deputy Chief Geologist, SINOPEC East China Oil & Gas Company Hai Huang, College of Petroleum Engineering, Xi'an Shiyou University	
10:00-10:20	Application of Controllable Shock Wave and Laser Technology in Petroleum Exploration and Development Ai-Ci Qiu , Chinese Academy of Engineering, Academician
10:20-10:40	New Progress in Deep Coal and Rock Gas Exploration Research in the Ordos Basin Xian-Yang Liu, China Petroleum Changqing Oilfield Branch, Chief Expert
10:40-11:00	The Transformation of Exploration Ideas and the Discovery of Large-Scale Lithological Oil Fields in Shallow Loose Sandstone in the Bohai Bay Basin - a New Field in the Old Oil Region Yong'an Xue, Chairman of Tianjin Petroleum Society and Chief Scientist of CNOOC Bohai Oilfield
11:00-11:20	Progress in Natural Gas Exploration and Development Technology in the Southeastern Ordos Basin Xiang-Zeng Wang, Shaanxi Yanchang Petroleum (Group) Co. Ltd., Chief Scientist and Chief Geologist
11:20-11:40	Strategy of Low-Carbon Transition in Upstream Gianni Di Giovanni, Eni China, Chairman
11:40-12:00	Theoretical and Technological Innovations and Major Discoveries in Exploration of Hydrocarbon-rich Depressions in offshore China Li-Jun Mi, CNOOC Research Institute Co. Ltd., Chairman and General Manager,
12:00-14:00	Buffet Lunch and Break



Technical Program

Session 1	HongFu Hall, 3F
Basic Geological Theory of Oil & Gas Exploration and Development.....	8
Session 2	XiangRui Hall, 3F
Geophysical Exploration Technology.....	14
Session 3	QiuYue Hall, 3F
Geophysical Well Logging.....	22
Session 4	MingDe Hall, 5F
Fine Reservoir Description.....	28
Session 5	ChunXiao Hall, 3F
Dynamic Reservoir Monitoring.....	36
Session 6	MingSi Hall, 5F
Reservoir Engineering and Management.....	42
Session 7	WenHui Hall, 5F
Reservoir Drilling and Completion.....	51
Session 8	WenYuan Hall, 5F
Oil & Gas Production Engineering.....	60
Session 9	WenHua Hall, 5F
Enhanced Oil Recovery for Oil & Gas Reservoirs.....	69
Session 10	MingRui Hall, 5F
Coalbed Methane Exploration and Development.....	78
Session 11	MingRui Hall, 5F
Geothermal Resource Exploration and Development.....	82
Session 12	JinYu Hall, 3F
Natural Gas Hydrate Exploration and Development.....	85
Session 13	JinYU Hall, 3F
Carbon Capture, Utilization and Storage (CCUS).....	87
Session 14	HongFeng Hall, 3F
Gas Storage Facility Construction and Operation Management.....	92
Session 15	RongHua Hall, 2F
Artificial Intelligence and Big Data Application in Oil & Gas Fields.....	97



Session 1

HongFu Hall, 3F

Basic Geological Theory of Oil & Gas Exploration and Development

Co-organized by: Xi'an Shiyou University

Convener: Li-Jun Song, School of Earth Science and Engineering, Xi'an Shiyou University, Dean

Date: 12-13 September, 2024

12 September 2024 (p.m.)	
Host: Li-Jun Song, School of Earth Science and Engineering, Xi'an Shiyou University, Dean Xian-Yang Liu, Changqing Oilfield Branch Company, PetroChina, Deputy General Manager	
14:00-14:20	IFEDC Study on High Matching Enrichment Pattern in Shale-Type Shale Oil in Deep Basin Lake Phase Area Xiu-Gang Pu, Professorate Senior Engineer, Research Institute of Exploration and Development, PetroChina Dagang Oilfield Co., Ltd.
14:20-14:40	IFEDC202417732 Geochemical Characteristics of Middle Permian Tuff in XJC 1 well and its Significance in Oil and Gas Structure Around Bogda Mountain of Xinjiang, NW China You-Xing Yang, Oil & Gas Survey, China Geological Survey
14:40-15:00	IFEDC A Few Examples of Generalised Low-Frequency Correlation in Tight Gas Reservoirs Ren-Hai Pu, Professor, Department of Geology, Northwestern University
15:00-15:15	IFEDC Research and Evaluation Techniques of Micro and Nano Organic Petrology of Hydrocarbon Rocks Hui Zhang, Researcher, China Coal Industry Xi'an Research Institute (Group) Co.
15:15-15:30	IFEDC202418074 The Geological History of the Rubezhinsky Trough and Issues of Preservation of Tectonic-Related Hydrocarbon Traps Natalia Yurievna Grebenkina, Gazprom Neft Company Group, Project Manager

15:30-15:45	<p>IFEDC202417394</p> <p>Characterization of Pore Structure and Analysis of Occurrence Characteristics Based on Multi-Scale and Multi-Component Digital Cores- a Case Study of Jimusaer Shale Oil Reservoir</p> <p>Lei Bai, China University of Petroleum(Beijing)</p>
15:45-16:00	<p>IFEDC202418242</p> <p>High-Potential Hydrocarbon Reservoirs in Upper Triassic Lacustrine Turbidites of the Chang 7 Member, Ordos Basin, China</p> <p>Muhammad Toseef Adnan, Changan University, PhD Student</p>
16:00-16:30	<p>Coffee Break and E-poster Seminars for Sharing</p>
16:30-16:50	<p>IFEDC202416965</p> <p>New Advances in the Understanding of Red Layer Sedimentation and Hydrocarbon Accumulation in the Jiyang</p> <p>Huai-Yu Yang, Project Management Department, SINOPEC Shengli Oilfield Branch</p>
16:50-17:10	<p>IFEDC202418229</p> <p>Integrated Geological Research of Lithology and Reservoir Properties of Vendian Sandstones of the Western Slope of the Nepsko-Botubinsky Anteglise in East Siberia</p> <p>Maxim Balagurov, PetroTrace Services, Geoscientist</p>
17:10-17:30	<p>IFEDC202417767</p> <p>Reservoir Characteristics and Enrichment Law of Shale Oil in the Upper Member of Xiaganchaigou Formation of Paleogene in Ganchaigou area of Yingxiongling Structural Belt</p> <p>Wu-Lin Tan, PetroChina Qinghai Oilfield Company</p>
17:30-17:45	<p>IFEDC202415951</p> <p>Intrusive Rocks in the Shanghe Yuhuangmiao Area of Huimin Depression Developmental Characteristics and Reservoir Control Mechanisms</p> <p>Qin Lu, Shengli Oilfield Oil and Gas Exploration and Development Co., Ltd</p>
17:45-18:00	<p>IFEDC202416944</p> <p>Development Characteristics and Formation Evolution of the Taiyuan Formation Bauxite Reservoir in the Longdong Area</p> <p>Lu-Jia Deng, Natural Gas Evaluation Project Department of PetroChina Changqing Oilfield Branch</p>



18:30-20:30	Excellent Paper Award Ceremony (Golden Chang'an Hall, 2F)
13 September 2024 (a.m.)	
Host: Yong'an Xue, Chief Expert, CNOOC (China) Petroleum (Tianjin) Co. Ren-Hai Pu, Northwestern University, Department of Geology, Professor	
8:30-8:45	IFEDC202418154 Differential Enrichment Characteristics of Oil and Gas in Manxi Platform Margin in Tarim Basin Qiang Li, Exploration and Development Research Institute of PetroChina Daqing Oilfield Co.
8:45-9:00	IFEDC202416756 Reservoir Forming Characteristics and Accumulation Law of Tight Sandstone Gas in Jurassic Member 1 of Shaximiao Formation in Zitong Gas Field of Northwest Sichuan Basin Hai-Xia Wang, PetroChina Southwest Oil & Gas Field Company
9:00-9:15	IFEDC202417005 Differential Dissolution Effects Study of Deep Fluids on Carbonate Reservoir -a Case Study of Lower Paleozoic in Zhuanghai Area of Jiyang Depression Wen Tian, Research Institute of Petroleum Exploration and Development, Shengli Oilfield Company, SINOPEC
9:15-9:30	IFEDC202418212 An Approach to Complex Geomechanical Modeling of Fractured Formations: Search of Sweep Spots and Optimal Well Design Alexandra Bepalova, Group of Company Gazprom Neft
9:30-9:45	IFEDC202416846 Main Controlling Factors and the Process Analysis of Hydrocarbon Accumulation in Upper Wuerhe Formation on Western Slope of Shawan Sag, Junggar Basin Ting Xiong, Institute of Geophysics, Research Institute of Exploration and Development, XinJiang oilfield Company, PetroChina
9:45-10:00	IFEDC202417914 Composition and Characteristics of Hydrocarbon Source Rock in the Yanghugou Formation of the Carboniferous, Western Ordos Basin Zuo-You Li , Nuclear Geological Survey Institute, Yinchuan Ningxia
10:00-10:30	Coffee Break and E-poster Seminars for Sharing



10:30-10:50	IFEDC202418116 Types of Unconventional Gas Resources in Sichuan Basin and Favorable Exploration Directions Wu-Ren Xie, Research Institute of Petroleum Exploration & Development, PetroChina
10:50-11:10	IFEDC202418221 Hyperpycnal Turbidites of submarine fans of the Achimov Formation in West Siberia (Russia) Alena Khramtsova, LLC "Tyumen Petroleum Research Center"
11:10-11:30	IFEDC202416223 Research on Quantitative Grading Method of Bohai Exploration Potential Zones under the Background of the Integration of Exploration and Development Wan-Li Jia, CNOOC Research Institute Ltd.
11:30-11:45	IFEDC202417588 Multiple Provenance Reconstruction of the Paleogene Redbeds in the Dongying Depression Qian Zhang, Exploration and Development Research Institute of Shengli Oilfield Branch Company Ltd., SINOPEC
11:45-12:00	IFEDC202417989 Exploration Prospective Objects in Deposits of the Tyumen Formation Based on Seismic Data Grigorii Mokhov, Gazpromneft Scientific Center, Task Leader
12:00-14:00	Buffet Lunch and Break
13 September 2024 (p.m.)	
Host: You-Xing Yang, Senior Engineer, Oil and Gas Resources Investigation Centre, China Geological Survey Shu-Min Chen, First-class Technical Consultant, PetroChina Daqing Oilfield Co.	
14:00-14:15	IFEDC202416418 Absolute Quantification of Compounds and its Application in the Study of Oil and Gas Formation-a Case Study of Dongying Sag Zheng Zhai, Research Institute of Petroleum Exploration and Development of Shengli Oilfield Branch Company

14:15-14:30	<p>IFEDC202417523</p> <p>Geochemical Characteristics of Chang-8 Crude Oil Accumulation in Northern Pingliang Area of the Ordos Basin</p> <p>Li-Rong Luo, Research Institute of Exploration and Development</p>
14:30-14:45	<p>IFEDC202416855</p> <p>The Research on Hydrocarbon Accumulation Conditions of Ultra-Deep Clastic Rocks in Linhe Depression, Hetao Basin</p> <p>Hui Liu, Huabei Oilfield</p>
14:45-15:00	<p>IFEDC202418030</p> <p>The Inverted Accumulation Model of Tight Sandstone Reservoirs in Jingjingzigou Formation of Jimsar Sag, Junggar Basin</p> <p>Xue-Bing Ji, School of Petroleum, China University of Petroleum (Beijing), Karamay Campus, Karamay</p>
15:00-15:15	<p>IFEDC202417530</p> <p>Paleokarst Geomorphology of Maokou Formation in Sichuan Basin: New Approach Combining Sequence Stratigraphy and Paleogeographic Studies</p> <p>Dan-Cheng Zhu, China ZhenHua Oil Co., Ltd.</p>
15:15-15:30	<p>IFEDC202417986</p> <p>Application of Convolutional Networks for Fractured Geological Inclusion Localization</p> <p>Vasily Ivanovich Golubev, Moscow Institute of Physics and Technology, Professor</p>
15:30-15:45	<p>IFEDC202418019</p> <p>Structure, Sedimentary Patterns and Reservoir Formation Model of Fuyu Oil Layer in Qijia-Gulong Area of the Northern Songliao Basin</p> <p>Yu Cai, Exploration and Development Research Institute of PetroChina Daqing Oilfield Company Limited</p>
15:45-16:00	<p>IFEDC202417736</p> <p>Analysis of Source-to-Sink System in the Third Member of the Dongying Formation of the Chengbei Low Uplift Slope Belt in the Bohai Sea Area</p> <p>Zhi-Wen Dong, Shengli Oilfield Company, SINOPEC</p>
16:00-16:30	<p>Coffee Break and E-poster Seminars for Sharing</p>
16:30-16:45	<p>IFEDC202416405</p> <p>Study on the Occurrence State of Mixed Shale Oil and the Lower Production Limit of Pore Throat: a Case Study of Fengcheng Formation in Mabei, the Junggar Basin</p> <p>Jian Wang, China Petroleum Xinjiang Oilfield Branch</p>



16:45-17:00	IFEDC202416356 Paleogeography of Deep Devonian Lithology at the Eastern Margin of the Binlihai Basin and Exploration Direction Yi-Bao Li, Senior Engineer, Dagang Branch, Research Institute of Oriental Geophysical Exploration Company, PetroChina Group
17:00-17:15	IFEDC202416298 Three Property Evaluation and Hydrocarbon Accumulation Model of the Tight Shilaif Formation in UAE Le-Yuan Fan, International Company of China National Logging Corporation, CNPC
17:15-17:30	IFEDC202415940 Giant Oil and Gas Discoveries and Implications in Africa in 21st Century Hong-Pu Zhou, Research Institute of Petroleum Exploration and Development, China National Petroleum Corporation
17:30-17:45	IFEDC202416537 Multiphase Diagenetic Alterations and Their Impact on Reservoir Potential of Middle to Late Permian carbonates Dr. Bilal Wadood, University of Swabi, Lecturer
17:45-18:00	IFEDC202417724 Shale oil Enrichment Pattern of the Lower Member of Shahejie Formation in Chezhen Sag of Jiyang Depression Peng Liu, Research Institute of Petroleum Exploration and Development, SINOPEC Shengli Oilfield Company
18:30-20:30	Buffet Dinner



Session 2

XiangRui Hall, 3F

Geophysical Exploration Technology

Co-organized by: Bureau of Geophysical Prospecting INC., China National Petroleum Corporation

Convener: Pei-Ming Li, Bureau of Geophysical Prospecting INC., China National Petroleum Corporation,

Chief Expert

Date: 12-14 September, 2024

12 September 2024 (p.m.)	
Host:	
Li Pei-Ming, Bureau of Geophysical Prospecting Inc., China National Petroleum Corporation	
Ying-Ming Qu, China University of Petroleum (East China), Professor	
Seismic Exploration Technology	
14:00-14:15	IFEDC202416170 The Geological Significance of Seismic Forset Events in the Triassic Yanchang Formation, Ordos Basin Xiao Hui, Research Institute of Exploration and Development, Changqing Oilfield Company
14:15-14:30	IFEDC Nano Petrophysical Studies in Oil and Gas Field Exploration and Development Qin-Hong Hu, Second Professor, China University of Petroleum (East China)
14:30-14:45	IFEDC202418181 Gaussian Beam Forward Numerical Simulation and Application in 3D Walkaround Vsp Fei-Long Yang, Xi'an Shiyou University
14:45-15:00	IFEDC202417567 A Fluid Factor Generated Based on Rock Physical Template and Its Application in Exploration New Venture Project Evaluation Jia-Qi Zhao, CNOOC International Limited
15:00-15:15	IFEDC202415860 Realization of 3D Simulation in Quality Control Technology for Field Seismic Data Acquisition Xin-Jian Wei, Northwest Branch of Research Institute of Petroleum Exploration

15:15-15:30	<p>IFEDC202417164</p> <p>Seismic Extraction for Spatiotemporally Varying Common Conversion Point</p> <p>Hui Sun, Southwest Jiaotong University</p>
15:30-15:45	<p>IFEDC202418169</p> <p>Real-Time Monitoring Technology and Application of Ocean Air Gun Source Wavelet</p> <p>Ya-Ru Wang, SINOPEC Geophysical Research Institute Co., Ltd.</p>
15:45-16:00	<p>IFEDC</p> <p>Progress and research direction of fault block shale oil exploration in the Subei Basin</p> <p>Yan Yang, Unconventional Research Center at the Exploration and Development Research Institute of Sinopec Jiangsu Oilfield Branch, Director</p>
16:00-16:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
16:30-16:45	<p>IFEDC202416745</p> <p>Geological Characteristics and Controlling Factors of Fracture-Vug Media in Thrust Tectonic Belt: the Example of the Eastern Right Bank of Amu Darya Basin</p> <p>Xu-Dong Du, China National Logging Corporation</p>
16:45-17:00	<p>IFEDC202417138</p> <p>The Elastic Wave Inversion Method for Land-Based Single-Component Seismic Data and Its Applications</p> <p>Xi-Ping Wang, China University of Petroleum (Beijing), SINOPEC Shengli Oilfield Geophysical Research Institute.</p>
17:00-17:15	<p>IFEDC202417791</p> <p>Analysis and Optimization Design of Acquisition Parameter Requirements in the 'Double Complex' Area of Southwest Tarim</p> <p>Long Wu, Acquisition Technology Institute, BGP Inc., CNPC</p>
17:15-17:30	<p>IFEDC202417041</p> <p>Field Test Study of Cross-Well Seismic in the Loess Plateau Area of Ordos Basin</p> <p>Jiang-Bo Liu, Research Institute of Oil & Gas Technology, Changqing Oilfield Company, PetroChina</p>
17:30-17:45	<p>IFEDC202416505</p> <p>Research on the Extraction Method of Weathering Layer Bottom Interface in the First Arrival Tomography Inversion Model</p> <p>Li-Ye Wang, Xinjiang Geophysical Exploration Branch, BGP, CNPC</p>



17:45-18:00	IFEDC202416173 Noise Attenuation of Seismic Imaging Profiles Based on Self Coding Deep Learning Qiang Xu, China Oilfield Services Ltd.
18:30-20:30	Excellent Paper Award Ceremony (Golden Chang'an Hall, 2F)
13 September 2024 (a.m.)	
Host: Zhi-Wen Deng, PetroChina Oriental Geophysical Company, Senior Technical Advisor Yan-Kun Sun, China University of Geosciences (Wuhan), Professor, Doctoral Supervisor	
8:30-8:45	IFEDC202416946 Research on the Method of Combining Well and Seismic With Three-Dimensional Geomechanical Modeling Jian-Guo Li, CNPC Engineering Technology R&D Company Limited
8:45-9:00	IFEDC202418043 Real-Time Noise Monitoring and Analysis Technology in Node Acquisition Wei-Feng Song, Bureau of Geophysical Prospecting Inc., China National Petroleum Corporation
9:00-9:15	IFEDC202417988 Avo Interpretation Pitfalls: A Diagnostic Analysis Cesar Petter Vasquez, Freelance, Geophysicist
9:15-9:30	IFEDC202417271 Rapid Sedimentary Microfacies Research and Oil and Gas Potential Area Search Based on High-Precision Seismic Attributes Jia-Guo Ma, Tianjin Branch of CNOOC Ltd.
9:30-9:45	IFEDC202417754 The Application of Multi-Scale Grid Tomographic Static Correction Technique in Complex Surface Terrain Areas Jing-Ru Han, CNPC BGP Research Institute
9:45-10:00	IFEDC202417477 Prediction of Pore Pressure and Geostress in Daqing Gulong Shale Oil Based on Eaton-Fillipone and Huang Rongzun Formulas Kai-Yuan Du, Optical Science and Technology (Chengdu) Ltd.
10:00-10:30	Coffee Break and E-Poster Seminars for Sharing



10:30-10:45	IFEDC202417692 Application of Multi-Wave Seismic Attributes in Dolomite Reservoirs Prediction Hong-Qiu Wang, Southwest Petroleum University, Research Institute of Petroleum Exploration & Development PetroChina
10:45-11:00	IFEDC202416608 Application of Key Technologies for Integrated Geological Engineering in Exploration and Development of Shunbei No. 4 Fault Zone Qun Chen, SINOPEC Northwest China Petroleum Bureau
11:00-11:15	IFEDC202417537 Development and Application of Vibrator All-Round Intelligent Perception Safety Protection System Yong-an Xu, BGP, CNPC
11:15-11:30	IFEDC202415924 Research on Prediction Technology of Limestone Buried Hill Fault System in Weixinnan Sag Ai-Qun Liu, Zhanjiang Branch, CNOOC Ltd.
11:30-11:45	IFEDC202417479 Application of T _{fem} in Risk Exploration in the Red Mountain Area of the Northern Margin of Qaidam Basin Cai-Fu Wang, Department of Integrated Geophysical Exploration of BGP
11:45-12:00	IFEDC202417458 Calculation Process and Variation Characteristics of Avaz in Fracture Induced T _{ti} Media Han Xiao, Geophysics Research Institute, SINOPEC Shengli Oilfield Company
12:00-14:00	Buffet Lunch and Break
13 September 2024 (p.m.)	
Host: Mao-Shan Chen, Oriental Geophysical Exploration Limited Liability Company, Professorate Senior Engineer Qi Li, China University of Geosciences (Beijing)	
14:00-14:15	IFEDC202417229 Development Model and Prediction of Karst Fracture-Cave Reservoir in Block D, Pre-Caspian Basin Jian-Fang Yang, BGP, CNPC

14:15-14:30	<p>IFEDC202416025</p> <p>Geological Risk Assessment Technology and Practice of Well Leakage Based on Fractured Stratum Leakage Mechanism</p> <p>Hui Li, CNOOC Energy Development Co., Ltd. Engineering Technology Branch</p>
14:30-14:45	<p>IFEDC202415849</p> <p>Application of AI Fault Interpretation Technology in Identifying Strike-slip Faults in the Laoyemiao Area</p> <p>Cheng Zeng, BGP Inc., CNPC,</p>
14:45-15:00	<p>IFEDC202418121</p> <p>Seismic Prediction of Laminated-type Shale Oil Reservoirs and its Application in Qingchen Area, Ordos Basin</p> <p>Jie Zhang, Research Institute of Exploration and Development, Changqing Oilfield Company, PetroChina</p>
15:00-15:15	<p>IFEDC202418076</p> <p>Seismic Anisotropy Parameter &Delta; for Fractured Reservoir Characterization Including Gas Saturation</p> <p>Tatiana Chichinina, Mexican Petroleum Institute</p>
15:15-15:30	<p>IFEDC202417206</p> <p>Td 3D S-Wave Surface Investigation and Static Correction Technology</p> <p>Qing Wang, Geophysical Research Institute of BGP</p>
15:30-15:45	<p>IFEDC202417745</p> <p>Research and Application of Forward Simulation Analysis Technology in Coal-Rock Gas Exploration in Few Well Areas</p> <p>Hong-Zhou Liu, Research Institute of Exploration and Development, PetroChina Dagang Oilfield Company</p>
15:45-16:00	<p>IFEDC202416626</p> <p>Key Technologies and Applications of 3D DAS-VSP Seismic Data Imaging</p> <p>Yan-Bin Guan, CNPC,BGP,Geophysics Research Institute</p>
16:00-16:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
16:30-16:45	<p>IFEDC202416702</p> <p>Research and Application of Seismic Acquisition Technology for ZB Gas Storage in Sichuan Basin</p> <p>Jun Wu, China Petroleum Group Eastern Geophysical Exploration Co., Ltd, Senior Engineer</p>



16:45-17:00	<p>IFEDC202416370</p> <p>Shale Lithofacies Identification Based on Machine Learning Classification Algorithm: A Case Study of the Lianggaoshan Formation in the Jurassic Period, Sichuan Basin</p> <p>Hao-Nan Wang, Exploration and Development Research Institute of PetroChina Daqing Oilfield Company Ltd</p>
17:00-17:15	<p>IFEDC202417000</p> <p>Application of Shear Wave Source Seismic Data Processing Technology in the Northern Part of the Songliao Basin</p> <p>Feng-Chen Ma, Geophysics Research Institute, BGP INC, China National of Petroleum Corporation</p>
17:15-17:30	<p>IFEDC202416117</p> <p>Method for Constructing Sensitive Fluid Factor Driven By Rock Physics</p> <p>Chao-Yang Lei, Inopec Geophysical Research Institute Co., Ltd.</p>
17:30-17:45	<p>IFEDC202417552</p> <p>3-D Seismic Acquisition Technology and Its Effect in Ordos Basin</p> <p>Zheng-Liang Wang, Changqing Branch Company, BGP, China National Petroleum Corporation, Xi'an, China</p>
17:45-18:00	<p>IFEDC202415948</p> <p>Application of Intelligent Identification Technology of Hidden Micro-Fracture in Mh1 Well Area</p> <p>Jie Dai, BGP, CNPC</p>
18:30-20:30	Buffet Dinner
14 September 2024 (a.m.)	
<p>Host:</p> <p>Xiao Yang, Research Institute of Oriental Geophysical Company, China National Petroleum Corporation</p> <p>Zong-Jun Wang, Corporate Expert/Principal Engineer, CNOOC Research Institute Limited</p>	
Comprehensive Evaluation of Geophysical Exploration	
8:30-8:45	<p>IFEDC202417617</p> <p>Fine Prediction Technology and Application of High Heterogeneous Thin Reservoirs in Deep Carbonate Formation</p> <p>Min Xu, BGP Southwest Geophysical Research Institute</p>

8:45-9:00	<p>IFEDC202416579</p> <p>Total Hydrocarbon Recovery Method of Gas Logging Core Section and Its Application in Reservoir Evaluation of Yan 'An Gas Field</p> <p>Deng-Ping Hu, Shaanxi Yanchang Petroleum (Group) Co., Ltd. Gas Field Company</p>
9:00-9:15	<p>IFEDC202417075</p> <p>Phase-Controlled Inversion Attribute Modeling Technique Based on Multiple Information Constraints</p> <p>Wen-Tao Wang, BGP Research & Development Center</p>
9:15-9:30	<p>IFEDC202417014</p> <p>Investigation and Application of Absorption Attenuation in Desert Areas</p> <p>Jing-Feng Lv, BGP, CNPC, Tarim Branch</p>
9:30-9:45	<p>IFEDC202417091</p> <p>Construction and Identification of Oil and Gas Sensitive Parameters in Shale Reservoirs With Vertical Fractures Based on Wide Azimuth Seismic</p> <p>Hong-Xue Zhang, Geological Measurement and Control Technology Research, SINOPEC Matrix Corporation</p>
9:45-10:00	<p>IFEDC202418190</p> <p>Application of High Resolution Processing Technology in the Loess Plateau Area of the Ordos Basin</p> <p>Yi Wang , Sinopec Petroleum Geophysical Technology Research Institute Co., Ltd</p>
10:00-10:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
10:30-10:45	<p>IFEDC202416320</p> <p>Gas Saturation Prediction Based on a Deep Machine Learning in Tight Gas Reservoirs of Western Sichuan Basin</p> <p>Shi-Yu Zhou, BGP. CNPC</p>
10:45-11:00	<p>IFEDC202417748</p> <p>Seismic Anomaly Noise Attenuation Method Based on Gaussian Mixture Model Analysis</p> <p>Zhi-Hua Song, Exploration Utility Department Xinjiang Oilfield Company CNPC</p>



11:00-11:15	IFEDC202416739 Digital Application of Vibroseis Based on Digital Twin Technology Li-Hui Zhao, Bureau of Geophysical Prospecting Inc., China National Petroleum Corporation
11:15-11:30	IFEDC202417052 A Full-Waveform Inversion Method for Microseismic Source Parameters Based on Sparse Constraints Shen Zhang, School of Earth Sciences and Engineering, Xi'an Shiyou University
11:30-11:45	IFEDC202416326 Application of Azimuth Data Based on Ovt Migration Processing in the Prediction of Sweet Spots of Mixed Rock Shi-Quan Zhao, BGP. CNPC
11:45-12:00	Ifedc202416554 Distribution Mechanism of Different Types of Gravel Parent Rocks and Its Controlling Effect On Diagenetic Evolution: Taking the Lower Part of Member 3 of Shahejie Formation in Chezhen Depression of Bohai Bay Basin as an Example Peng Liu, Research Institute of Petroleum Exploration and Development, Sinopec Shengli Oilfield Company
12:00-14:00	Buffet Lunch and Break



Session 3

Qiu Yue Hall, 3F

Geophysical Well Logging

Co-organized by: SINOPEC Matrix Corporation

Convener: Bo Zhang, SINOPEC Matrix Corporation, Deputy General Manager

Date: 12-13 September, 2024

12 September 2024 (p.m.)	
Host:	
Jin-yan Zhang, SINOPEC Matrix Corporation, Deputy General Manager	
Wen-Zheng Yue, China University of Petroleum, Beijing, Professor	
14:00-14:20	IFEDC SINOPEC High Temperature and High Pressure Logging Technology Jin-yan Zhang, Deputy General Manager, SINOPEC Jingwei Co.
14:20-14:40	IFEDC Quantitative Evaluation of Metamorphic Subduction Hill Reservoir Effectiveness and Capacity Prediction Based on Recorded Logging Data Zhong-Jian Tan, Professorate Senior Engineer, CNOOC (China) Ltd Tianjin Branch
14:40-15:00	IFEDC202417742 Study on Logging Evaluation Method of Coal Seam Reformability Xiao-Fan Xu, Engineering Technology Company ,CNOOC Energy Development Co.
15:00-15:15	IFEDC202417506 Research on Logging Interpretation Methods for Tight and High Water Content Gas Reservoirs in Jin30 Well Area of Dongsheng Gas Field Long-Chuan Chen, SINOPEC North China Petroleum Bureau
15:15-15:30	IFEDC202416958 The Mvlog Through-Casing Logging System Matched With Casing Drilling Technology De-Fu Zang, Geo-Mwd/Lwd & Logging Research Institute, SINOPEC Matrix Corporation
15:30-15:45	IFEDC202416258 Research on the Sweet Spot Evaluation Method of the Chang 8 of Low-Resistivity Tight Sandstone Reservoir in Mahuangshan Area Wei Su, China University of Petroleum (Beijing)

15:45-16:00	<p>IFEDC202416860</p> <p>A Study on the Correction Method of Deep Shale Acoustic Time Difference Considering the Effects of Macro and Micro Anisotropy</p> <p>Xiao-Xue Qiu, Shale Gas Research Institute, PetroChina Southwest Oil & Gasfield Company</p>
16:00-16:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
16:30-16:45	<p>IFEDC202417079</p> <p>The Genetic Mechanism of Low Resistivity of Deep Marine Shale and Its Gas-Bearing Evaluation</p> <p>Yong-Hui Wu, Unconventional Petroleum Research Institute, China University of Petroleum (Beijing)</p>
16:45-17:00	<p>IFEDC202416105</p> <p>Application of Rdt Element Saturation Logging in Tight Sandstone Reservoirs</p> <p>Qiu-Ju Song, Tianjin Branch, China Petroleum Logging Co.Ltd., Tianjin</p>
17:00-17:15	<p>IFEDC202417990</p> <p>Integrating Well Log and X-Ray Diffraction Data To Improve Clay Volume Calculations in Unconsolidated Eocene Heavy-Oil Reservoirs of the Onshore Tambaredjo North West Field in the Guiana-Suriname Basin.</p> <p>Mohamed Ferhaad Idoe, Staatsolie</p>
17:15-17:30	<p>IFEDC202417542</p> <p>Data Processing and Application of Nmr Logging Based on Blind Source Separation</p> <p>Ruo-Kun Huang, China University of Petroleum</p>
17:30-17:45	<p>IFEDC202416465</p> <p>Extraction of Reflected Event From Acoustic Logging Waveform Using Vmd and Curvelet Transform</p> <p>Fan-Tong Kong, Jiangsu University of Science and Technology</p>
17:45-18:00	<p>IFEDC202416614</p> <p>Experimental Study on Dielectric Spectrum of Artificial Mud Cake</p> <p>Hao Hu, China University of Petroleum-Beijing</p>
18:30-20:30	<p>Excellent Paper Award Ceremony (Golden Chang'an Hall, 2F)</p>

13 September 2024 (a.m.)	
Host:	
Hong-Qi Liu, Professor, School of Geoscience and Technology, Southwest Petroleum University, Reviewer for the Conference	
Zhong-Jian Tan, Professorate Senior Engineer, CNOOC (China) Ltd. Tianjin Branch	
Logging Theory	
8:30-8:45	<p>IFEDC202417960</p> <p>Logging Evaluation of Tight Oil in S Group in a Certain Area of Abu Dhabi in the Middle East</p> <p>Peng-Fei Li, China National Logging Corporation</p>
8:45-9:00	<p>IFEDC202417185</p> <p>Logging Description and Quantitative Evaluation of Fractures in Deep Carbonate Reservoirs in Tarim Basin</p> <p>Xing-Neng Wu, Tarim Oilfield Company, PetroChina</p>
9:00-9:15	<p>IFEDC202418191</p> <p>Determination of the Production Profile in Horizontal Wells Using Cyclic Thermal Studies Based on the Calorimetric Mixing Effect.</p> <p>Ekaterinabakinova, Gazpromneft-Polytech</p>
9:15-9:30	<p>IFEDC202416787</p> <p>Design of Four-Channel Ultrasonic Signal Acquisition System While Drilling Based on FPGA</p> <p>Shuo Zhang, CNPC Engineering Technology R&D Company Limited</p>
9:30-9:45	<p>IFEDC202417043</p> <p>Oil Reservoir Logging Evaluation Method Based on Bound Water Research</p> <p>Gui-Xian Chen, Exploration and Development Research Institute of Huabei Oilfield Company , CNPC</p>
9:45-10:00	<p>IFEDC202416951</p> <p>Combination the Gas Logging and Porosity Logging Data To Estimate Reservoir Hydrocarbon Saturation</p> <p>Wei-Zhuang, China National Logging Corporation</p>
10:00-10:30	Coffee Break and E-Poster Seminars for Sharing

10:30-10:45	<p>IFEDC202416890 Development and Field Test of Tngs17419 Natural Gamma-Ray Spectrum Logging Tool Mao-Song Tong, Well Logging Technology Research Institute of China Petroleum Group Well Logging Co.</p>
10:45-11:00	<p>IFEDC202417454 Research on Logging Evaluation Method of Fluid Identification Based on Reservoir Pore Throat Structure in R Sag Hui Li, Exploration and Development Research Institute of Huabei Oilfield Company</p>
11:00-11:15	<p>IFEDC202416886 Porosity Sensitivity Study of the Compensated Neutron Logging Tool Yun-Long Ge, Well Logging Technology Research Institute of China Petroleum Group Well Logging Co.</p>
11:15-11:30	<p>IFEDC202415986 Comprehensive Evaluation of Pre-Tertiary Buried Hill Reservoirs in a Block of South Sumatra Basin, Indonesia By Well Logging Ming Li, Research Institute of Petroleum Exploration&Development</p>
11:30-11:45	<p>IFEDC202416380 Comprehensive Logging Evaluation of Unconventional Shale Oil Potential in the Silurian of Oman Jiao Wei, China Petroleum Logging Co., Ltd.</p>
11:45-12:00	<p>IFEDC202417991 Refined Reservoir Characterization of Tambaredjo Oilfield: Core Permeability Revisit and Rock Type-Specific Kv/Kh Ratios Jasvant Oedietram, Staatsolie Maatschappij Suriname Nv, Sr. Petrophysicist</p>
12:00-14:00	<p>Buffet Lunch and Break</p>
<p>13 September 2024 (p.m.)</p>	
<p>Host: Tao Zhang, PetroChina Logging Company Limited, Interpretation and Evaluation Engineer I, Expert Liang Xiao, China University of Geosciences (Beijing), Professor</p>	
14:00-14:15	<p>IFEDC202416204 A Research on Identification Method of Drilling Risk and Geological Factors in Southern Margin of Junggar Basin Hua-Yong Chen, China National Logging Corporation Xinjiang Branch</p>

14:15-14:30	<p>IFEDC</p> <p>New Technology and Application of Recorded Logging and Drilling Evaluation of Anti-Drilling Characteristics of offshore Deep/Ultra-Deep Rocks</p> <p>Hong- Ru Li, Senior Engineer, CNOOC Energy Development Co.</p>
14:30-14:45	<p>IFEDC202416413</p> <p>Application of Fast Neutron Cross-Section in Evaluation of Tight Gas Reservoirs With High Water Content</p> <p>Si-Qiao Yuan, SINOPEC North</p>
14:45-15:00	<p>IFEDC202417457</p> <p>Fluid Identification Method for Complex Reservoirs in Chad's Dosaio Basin Based on Nuclear Magnetic Resonance Logging and Machine Learning</p> <p>Hai-Feng Guo , Senior Engineer, China National Petroleum Corporation Logging Limited International Company</p>
15:00-15:15	<p>IFEDC202417911</p> <p>Logging Evaluation of Total Organic Carbon Content in Shale, the Ulalike Formation, Northern Portion of the Western Ordos Basin</p> <p>Jing-Zhe Guo, Northwest University</p>
15:15-15:30	<p>IFEDC202415995</p> <p>Identification and Quantitative Evaluation of Complex Fluids in Deepwater Lacustrine Carbonate Rocks in Brazil</p> <p>Qiu-Yuan Hou, China National Logging Corporation</p>
15:30-15:45	<p>IFEDC202417543</p> <p>The Research on Improving the Logging Curve Resolution and Identifying the Interlayers</p> <p>Ruo-Kun Huang, China University of Petroleumnpc</p>
15:45-16:00	<p>IFEDC202417253</p> <p>Research on Shale Lithofacies Identification Method Based on Quantitative Characterization of Macroscopic Structure of Electrical Imaging</p> <p>Li-Ying Xu, China National Logging Corporation</p>
16:00-16:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
16:30-16:45	<p>IFEDC202417262</p> <p>A Review of Pore Structure Characteristics Based on Nuclear Magnetic Resonance (Nmr) T2 Cutoff</p> <p>Zi-Yun Zhang, School of Petroleum Engineering</p>

<p>16:45-17:00</p>	<p>IFEDC202416232 Quantitative Evaluation of Clay Minerals in Tight Conglomerate Reservoir Ying-Wei Wang, Research Institute of Exploration and Development, PetroChina Xinjiang Oilfield Company</p>
<p>17:00-17:15</p>	<p>IFEDC202416641 Research on Phased Array Radar Imaging Logging Technology Guo-Ying Li, Material Equipment Company, Cplc.Ltd</p>
<p>17:15-17:30</p>	<p>IFEDC202416350 Application of Cluster Analysis Method in Reservoir Evaluation At the Eastern Margin of the Binlihai Basin Wei Zhuang, China National Petroleum Corporation Logging Limited International Company</p>
<p>17:30-17:40</p>	<p>IFEDC202417235 Fracture Characterization Using Attribute Extraction From Seismic and Acoustic Remote Sensing Data Hong-Xue Zhang, Geological Measurement and Control Technology Research, SINOPEC Matrix Corporation</p>
<p>17:40-17:50</p>	<p>IFEDC202416008 Simulation and Analysis of the Influence Factors on Near-Bit Gamma Resistivity Imaging Tool Responses Guo-Yan Zhang , Institute of Logging Technology, PetroChina Logging Co.</p>
<p>17:50-18:00</p>	<p>IFEDC202417629 Carbonate Reservoir Well Logging Electrical Imaging Image Restoration and Pore Parameter Calculation Tian-Yu Liu, Chengdu University of Technology</p>
<p>18:30-20:30</p>	<p style="text-align: center;">Buffet Dinner</p>



Session 4

MingDe Hall, 5F

Fine Reservoir Description

Co-organized by : State Key Laboratory of Oil and Gas Reservoir Geology and Exploitation (Chengdu University of Technology)

Convener: Xing-Jian Wang, Chengdu University of Technology, Professor

Date: 12-14 September, 2024

12 September 2024 (p.m.)	
Host:	
Xing-Jian Wang, Chengdu University of Technology, Professor	
Jian Li , China National Petroleum Exploration and Development Research Institute, Chief Expert	
14:00-14:20	IFEDC Research on Key Theory and Methods for Efficient and Safe Shale Gas Extraction Xing-Jian Wang, Chengdu University of Technology, Professor, Doctoral Supervisor,
14:20-14:40	IFEDC202417741 Geomechanical Characterization and Effectiveness Evaluation of Natural Fractures in Ultra-Deep Tight Reservoirs in the Tarim Basin Hui Zhang, PetroChina Tarim Oilfield Company
14:40-15:00	IFEDC202418159 Classification Method and Application of Carbonate Reservoirs Considering the Origin and Type of Fractures Zhen-Hua Guo, Research Institute of Petroleum Exploration & Development, PetroChina
15:00-15:15	IFEDC202418119 Distribution Characteristics and Main Controlling Factors of Karst Reservoirs in Maokou Formation of Yunjin Syncline, Southeastern Sichuan Basin Dong-Tao Zhang, Exploration and Development Research Institute of Zhejiang Oilfield Company, CNPC, Hangzhou, China
15:15-15:30	IFEDC202417731 Research on Reservoir Prediction and Sand Body Description in the Lower Member of Dongying Formation of Block 326 in Chengbei, Chengdao Oilfield Yi-Yao Zhang, Haiyang Oil Production Company

<p>15:30-15:45</p>	<p>IFEDC202417436 Carbonate Tidal Channel Modeling Based on Geostatistical Simulation in W Olifield, Iraq Zi-Hao Liu, PetroChina Research Institute of Petroleum Exploration & Development, Beijing 10083, China</p>
<p>15:45-16:00</p>	<p>IFEDC202417975 The Development Characteristics of Silicified Carbonate Rock in Buried Hill of N Oilfield in Kazakhstan and Its Significance in Reservoir Reconstruction Kang Cao, Xinjiang Oilfield Company Exploration and Development Research Institute</p>
<p>16:00-16:30</p>	<p style="text-align: center;">Coffee Break and E-Poster Seminars for Sharing</p>
<p>16:30-16:45</p>	<p>IFEDC202416738 Research and Application of Shale Oil Fracture Prediction Method Based on Azimuthal Anisotropy Analysis Jing Wang, Exploration and Development Research Institute, Shengli Oilfield Company, SINOPEC</p>
<p>16:45-17:00</p>	<p>IFEDC202415864 Fractal Characterization of Pore-Throat Structure in Tight Sandstone Based on High-Pressure Mercury Intrusion Porosimetry Xiong-Wei Liu, Changqing Oil Field Branch No.9 Oil Production Plant</p>
<p>17:00-17:15</p>	<p>IFEDC202416643 Sand Prediction Based on Thin Coal Seam Analysis Rui Wang, SINOPEC Shanghai Offshore Oil&Gas Company</p>
<p>17:15-17:30</p>	<p>IFEDC202417981 Study on the Microscopic Oil Content Characteristics of Gulong Shale Hui-Fang Pan, Exploration and Development Research Institute of Daqing Oilfield Co., Ltd</p>
<p>17:30-17:45</p>	<p>IFEDC202415895 Research and Application of Thin Reservoir Prediction Method Based on Broadband Seismic Information Xiao-Hu Liu, BGP, CNPC, Zhuozhou</p>



17:45-18:00	IFEDC202417642 Characterization of Hydration Microstructure of Calcareous Shale in Fu Er Section of Huazhuang Block Bin-Bin Liang, Southwest Petroleum University College of Petroleum and Natural Gas Engineering
18:30-20:30	Excellent Paper Award Ceremony (Golden Chang'an Hall, 2F)
13 September 2024 (a.m.)	
Host: Dan-Ping Cao, College of Geosciences, China University of Petroleum (East China), Bod Jieqing Gang Wu , Researcher, E&P Research Institute, Shengli Oilfield Branch, SINOPEC	
8:30-8:50	IFEDC202415902 Investigation of the Origin, Genesis and Quantitative Evaluation of Carbonate Cements in Eocene Sandstones of Bohai Oilfield Zong-Bin Liu, Tianjin Branch of CNOOC China Limited
8:50-9:10	IFEDC202415947 In-Suit Stress Seismic Prediction Method Based on Curve Parameters With Structural Constraint and Its Application on Fine Reservoir Description Hai-Ting Zhou, Exploration and Development Institute of SINOPEC Shengli Oilfield
9:10-9:30	IFEDC202416486 Identification and Quantitative Analysis of Fractures in Stratified Reservoirs Using Ct Scanning Technology Zhi-Lin Ye, CNPC Engineering Technology R&D Company Limited
9:30-9:45	IFEDC202417321 Optimization of Tezhen Prediction Technology in Dina 2 Gas Field Ping Lei, Tarim Oilfield Branch of CNPC
9:45-10:00	IFEDC202416311 Dynamic Diagnostic Method for Erosion Grooves in Large-Scale Karst Weathering Crust Gas Reservoirs s: A Case Study in the Jingbian Gas Field Shan Xie, Research Institute of Exploration and Development
10:00-10:30	Coffee Break and E-Poster Seminars for Sharing

<p>10:30-10:45</p>	<p>IFEDC202415881 Geological Modeling and Application of Tight Sandstone Gas Reservoirs Based on Horizontal Well Constraints: A Case Study of the Sf Well Area in the Sulige Gas Field. Xin-Qiang Liu, China University of Petroleum (Beijing)</p>
<p>10:45-11:00</p>	<p>IFEDC202418144 Research on Pore Structure and Fractal Characteristics of Lacustrine Shale Based on Lithofacies: a Case Study in the Second Member of the Kongdian Formation in the Cangdong Sag, Bohai Bay Basin Zheng Fang, Postdoctor Scientific Research Station, SINOPEC Shengli Oilfield Company</p>
<p>11:00-11:15</p>	<p>IFEDC202416379 Organic Geochemical Characteristics of Upper Paleozoic Source Rocks in the Wuzhong Area on the Western Margin of the Ordos Basin Yu-Xia Wang, Northwest University</p>
<p>11:15-11:30</p>	<p>IFEDC202417882 Pore-Fissure Structure and Oil Occurrence Space for Low-Mature Lacustrine Shales in Shahejie Formation of Jiyang Depression Quan Rao, School of Earth Resources, China University of Geosciences (Wuhan)</p>
<p>11:30-11:45</p>	<p>IFEDC202416275 Internal Small - Scale Reservoir Structure Prediction of Fracture-Cavity Body Bo-Hua Zhu, SINOPEC Geophysical Research Institute</p>
<p>11:45-12:00</p>	<p>IFEDC202417546 Unified Rock Physics Model of Thermal, Elastic, and Electrical Properties Based on Integration With Experimental Data of Carbonate Reservoirs Mariia Kalinina, Skolkovo Institute of Science and Technology</p>
<p>12:00-14:00</p>	<p style="text-align: center;">Buffet Lunch and Break</p>



13 September 2024 (p.m.)

Host:

**Dong-Xia Chen , China University of Petroleum (Beijing), School of Geosciences, Vice Dean
Min Ouyang, Manager, CNOOC E&P Research Institute**

14:00-14:20	IFEDC202415868 Development Geology Classification and Remaining Oil Enrichment Characterization of Fault Block Reservoir in Shengli Oilfield Gang Wu, Exploration and Development Research Institute, Shengli Oilfield Company, SINOPEC
14:20-14:40	IFEDC202417646 Quantitative Carving of Fuman Deep Fault Controlled Fracture and Cavity Body By Inversion of Residual Impedance Controlled By Facies Zhi-Liang Ming, Research Institute of Petroleum Exploration & Development, Tarim Oil Field
14:40-15:00	IFEDC Characteristics of Brittle Fracture Pressure Relief of Mud Shale in Tectonic Uplift Zone and Its Control on Shale Oil Enrichment Feng-Qi Zhang, Professor, School of Geoscience and Engineering, Xi'an Shiyou University , China
15:00-15:15	IFEDC202418132 Saturation Model of Oil Shale Reservoir By Rock-Eval Pyrolysis and Lf-Nmr Aliya Mukhametdinova, Skolkovo Institute of Science and Technology
15:15-15:30	IFEDC202416901 Experimental Evaluation of Oiliness and Mobility of Shale Oil in Ef2 of Subei Basin: A Case Study of Well Qy1 Zhi-Gao Jiang, SINOPEC East China Oil and Gas Company Exploration and Development Research Institute
15:30-15:45	IFEDC202416450 The Reservoir Characteristics and Fracture Distribution Features of the Ma5 Member Gas Reservoir in Block X of the Lower Paleozoic De-Sheng Zhou, Xi'an Shiyou University
15:45-16:00	IFEDC202417926 Analysis of Core Characteristics of Carbonate Reservoir in K Area Bin Wang, Riped, PetroChina
16:00-16:30	Coffee Break and E-Poster Seminars for Sharing

<p>16:30-16:45</p>	<p>IFEDC202417858 3D Formation Pressure Prediction of Deng 2 Carbonate Reservoirs in Well Pengtan-1 Area, Sichuan Basin Xu Yiu, Engineering Technology Research Institute, PetroChina Southwest Oil & Gasfield Company</p>
<p>16:45-17:00</p>	<p>IFEDC202417503 The Shear Slip Behavior and the Mechanism of Enhanced Permeability in Shale Reservoirs Yuan-Kai Zhang, Research Institute of Exploration and Development, Xinjiang Oilfield Company, PetroChina; Xinjiang Key Laboratory of Shale Oil Exploration and Development</p>
<p>17:00-17:15</p>	<p>IFEDC202416986 Seismic Response Characteristics of Fault-Controlled Tezhen-Cavity Reservoir of Ordovician Penglaiba Formation in Shunbei No.1 Well Block Fu-Hao Duan, College of Energy (College of Modern Shale Gas Industry) , Chengdu University of Technology</p>
<p>17:15-17:30</p>	<p>IFEDC202417104 Research on Ultra-Deep Strike-Slip Fault Detection Method Based on Label Improved Deep Learning Rui-Yu Gao, SINOPEC Geophysical Research Institute</p>
<p>17:30-17:45</p>	<p>IFEDC202417080 Research on Automatic Error Detection and Rectification Technology for Basic Geological Data Xian-Gao Jin, No.1 Oil Production Plant, PetroChina Daqing Oilfield Co., Ltd</p>
<p>17:45-18:00</p>	<p>IFEDC202416155 Reservoir Heterogeneities and Sand Body Four Properties Relationships of Dominant Microfacies in Braided River Facies: A Case Study From Yan10 Member in the Z205 Block, Southwestern Ordos Basin, China Yong-Gang Zhao, School of Earth Sciences and Engineering, Xi'an Shiyou University</p>
<p>18:30-20:30</p>	<p style="text-align: center;">Buffet Dinner</p>

14 September 2024 (a.m.)	
Host: Qin-Hong Hu , National Key Laboratory of Deep Oil and Gas, National Distinguished Professor Wen-Bin Chen, Senior Engineer, Deputy Director, Civil-Military Integration Geological Survey Centre, Geological Survey of China	
8:30-8:45	<p>IFEDC202416299</p> <p>A Method for Block Optimizing of Petroleum Reserve Upgrading Based on Main Controlling Factors</p> <p>Yu-Ru Xiao, SINOPEC Petroleum Exploration and Production Research Institute, Beijing 100083, China</p>
8:45-9:00	<p>IFEDC202417151</p> <p>Distribution of reservoir sandbodies and optimization of favorable areas in SHAN13 member of Qingyang gas field</p> <p>Dong-feng Li, Natural Gas Evaluation Project Department of PetroChina Changqing Oilfield Branch</p>
9:00-9:15	<p>IFEDC202416446</p> <p>Study on the Reservoir Characteristics and Geological Modeling of the Shihezi Formation in Block X</p> <p>Er-Hu Liu, Xi'an Shiyou University</p>
9:15-9:30	<p>IFEDC202417733</p> <p>The Method of Lithofacies Identification Based on Data Discrepancy Enhance (Dde) Machine Learning</p> <p>Qin Xu, Chengdu University of Technology</p>
9:30-9:45	<p>IFEDC202418005</p> <p>Integrated Geological and Engineering Evaluation of Shale Oil: A Case Study of Well G119H in the Central Sichuan Basin</p> <p>Qiang Xie, Exploration and Development Research Institute, Southwest Oil & Gas Field Company, PetroChina</p>
9:45-10:00	<p>IFEDC202416670</p> <p>Prediction Method and Application of Geological and Engineering Sweet Spots in Liangjiashan Formation of Yangshuiwu Buried Hill</p> <p>Lei Zhao, Exploration and Development Research Institute of Huabei Oilfield Company</p>
10:00-10:30	Coffee Break and E-Poster Seminars for Sharing

10:30-10:45	<p>IFEDC202416507</p> <p>Retention Characteristics of Guar Fracturing Fluid in Coal Measures Reservoirs and Its Effect on CH₄ Desorption</p> <p>Qin Yang, State Key Laboratory of Oil and Gas Reservoir Geology and Exploitation</p>
10:45-11:00	<p>IFEDC202418208</p> <p>Thin Reservoir Prediction Based on Multi-Attribute Seismic Interpretation: A Case Study of Jialingjiang Formation in Puguang Gas Field</p> <p>Yu-Zhuo Li, Institute of Sedimentary Geology, Chengdu University of Technology</p>
11:00-11:15	<p>IFEDC202416766</p> <p>Analysis of Fracture Characteristics and Water Invasion Mechanism of E32 li Oil Formation in Ganchaigou Area of Qaidam Basin</p> <p>Zhuan-Zhuan Wang, Research Institute of Exploration and Development, Qinghai Oilfield Company, PetroChina</p>
11:15-11:30	<p>IFEDC202417778</p> <p>Research on Lithology Identification in Well Logging Based on Quantum Transfer Learning</p> <p>Luo-Yuan Chen, College of Geophysics, Chengdu University of Technology,</p>
11:30-11:40	<p>IFEDC202416017</p> <p>Geological Characteristics of Shanxi Formation in Long27 Block, Qingyang Gas Field, Ordos Basin</p> <p>Lin-Hui Shi, Senior Geological Engineer, E&P Research Institute, Petrochangqing Oilfield Branch, China</p>
11:40-11:50	<p>IFEDC202415850</p> <p>Study on the Change Rule and Prediction Model of Shale Fracture Toughness Under Real-Time High Temperature</p> <p>Nai-Ling Xiu, Research Institute of Petroleum Exploration & Development, PetroChina</p>
11:50-12:00	<p>IFEDC202417196</p> <p>Characteristics of Oil and Gas Formation and Prediction of Favourable Zones in Carbonate Rocks of Sha Iv Section of Bohnan Depression</p> <p>Lei-Zhou, Associate Researcher, Research Institute of Exploration and Development, Shengli Oilfield Company, SINOPEC</p>
12:00-14:00	<p>Buffet Lunch and Break</p>



Session 5

ChunXiao Hall, 3F

Dynamic Reservoir Monitoring

Co-organized by: Testing Technology Service Branch, Daqing Oilfield Company, PetroChina

Convener: Hua Zheng, Daqing Oilfield Company, PetroChina, Chief Expert

Date: 12-13 September, 2024

12 September 2024 (p.m.)	
Reservoir Dynamic Monitoring Technology	
Host:	
Hua Zheng, Daqing Oilfield Company, PetroChina, Chief Expert	
Mian Zhang, Changqing Downhole Technical Operation Company of Chuanqing Drilling Company, PetroChina, Senior Engineer	
14:00-14:20	IFEDC Research Progress and Application of Residual Oil Logging Technology Hua Zheng, Daqing Oilfield Limited Liability Company, Chief Expert,
14:20-14:40	IFEDC202417381 Fluid Identification and Productivity Evaluation Technology Based on Wellbore Pressure Shu-Song Li, Zhanjiang Branch of CNOOC Ltd
14:40-15:00	IFEDC Research Progress and Application of Dynamic Monitoring Technology in Daqing Oilfield Xian-Hua Zhang, Chief Engineer, PetroChina Daqing Oilfield Co.
15:00-15:20	IFEDC202415925 Application of Well Testing Technology in Gas Storage Construction Jing Zhu, Liaohe Oilfield Company
15:20-15:40	IFEDC Numerical evaluation method for hydraulic fracturing effect based on pump stop pressure data Dao-lun Li, School of Mathematics, Hefei University of Technology, Professor

15:40-16:00	<p>IFEDC</p> <p>Application and Next Steps of Distributed Fiber Optic Monitoring Engineering</p> <p>Yan Qiao, Deputy Director of Underground Operations Research Institute of China Petroleum Engineering Technology Research Institute Co., Ltd</p>
16:00-16:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
16:30-16:50	<p>IFEDC202414717</p> <p>Study on Well Test Interpretation and Reservoir Dynamic Description of Fracture-Controlled Seam-Hole Type Carbonate Reservoirs</p> <p>He-Dong Sun, Professorate Senior Engineer, PetroChina Exploration and Development Research Institute, China</p>
16:50-17:10	<p>IFEDC202417598</p> <p>Microseismic Monitoring Technology of Shale Gas Hydraulic Fracturing and Its Application in Platform X in Weiyuan Area, Sichuan Basin</p> <p>Jian-Yu Zhao, BGP, CNPC</p>
17:10-17:30	<p>IFEDC202416477</p> <p>Research and Application of Big Data Analysis Optimization Method for Water Injection Scheme</p> <p>Xiao-Meng Zhu, Logging & Testing Services Company, Daqing Oilfield Co.Ltd.</p>
17:30-17:45	<p>IFEDC202417361</p> <p>Research and Application of Dynamic Monitoring Technology in Sagd Development of Super Heavy Oil</p> <p>Lu Sun, Fengcheng Oilfield Operation Area of PetroChina Xinjiang Oilfield Company</p>
17:45-18:00	<p>IFEDC202418077</p> <p>Evaluation of Supercritical Fluid Injection for Enhanced Oil Recovery in Shale Reservoirs</p> <p>Aleksandr Cheremisin, The Skolkovo Institute of Science and Technology, Head of Laboratory</p>
18:30-20:30	<p>Excellent Paper Award Ceremony (Golden Chang'an Hall, 2F)</p>



13 September 2024 (a.m.)

Host:

Jiang-Tao Li , PetroChina Qinghai Oilfield Branch, Chief Expert, Conference Reviewer

Fei-Xu, SINOPEC Zhongyuan Oilfield Branch, Associate Researcher

8:30-8:45	IFEDC202416649 Evaluation on Hydraulic Fracturing and Gas Production of Shale Gas Reservoir With Gamma Ray Logs Tao Zhang, China National Logging Corporation
8:45-9:00	IFEDC202416422 Exploration of Tracer Monitoring for Evaluating the Effectiveness of Multi-Stage Fracturing in Horizontal Wells of the Shahezi Formation Tight Gas Reservoir Jun-Hua Chen, Daqing Drilling & Amp
9:00-9:30	IFEDC202417993 Pressure Transient Behavior of Naturally Fractured Reservoirs Fikri J. Kuchuk, SLB, Expert
9:30-9:45	IFEDC202417516 Application of Excitation Electromagnetic Fracturing Monitoring Technology in The Fracturing of Well HW31 Hui-Ming Yuan, PetroChina Xinjiang Oilfield Company
9:45-10:00	IFEDC202417082 Application and Research of New Ccfet Logging Technology Chen Xu, China National Logging Corporation
10:00-10:30	Coffee Break and E-Poster Seminars for Sharing
10:30-10:45	IFEDC202416377 Investigation of Production Performance and High-Yield Model of Deep Shale Gas Wells Li Guo, Sinochem Petroleum Exploration & Development Co. Ltd
10:45-11:00	IFEDC202417994 Advances in Reservoir Surveillance and Recovery Optimization of Unconventional Reservoirs Surendra Bateja, Ex Cgm (Reservoir), Ongc, India, Consultant Reservoir Engineer

11:00-11:15	<p>IFEDC</p> <p>Sand discharge monitoring based on acoustic wave sensing technology</p> <p>Ru-Bao Wang, Prof. Senior Engineer, General Manager, Beijing Duktek Technology Co.</p>
11:15-11:30	<p>IFEDC202416937</p> <p>Prediction and Analysis of the Front Edge Position of Reinjection Water Based on Ground Microseismic Monitoring Technology</p> <p>Jian Cao, Northwestern Sichuan Gas District, PetroChina Southwest Oil and Gasfield Company</p>
11:30-11:40	<p>IFEDC202416775</p> <p>Application of Microseismic Multiple Monitoring Technology in Horizontal Well Fracturing</p> <p>Teng-Jiao Liu, Bureau of Geophysical Prospecting Inc., CNPC</p>
11:40-11:50	<p>IFEDC202416725</p> <p>Application of Borehole-To-Surface Electrical Potential Image Technology in Inter-Well Remaining Oil Evaluation of Mature Oil Field</p> <p>Chuan-Zong Sun, China National Logging Corporation</p>
11:50-12:00	<p>IFEDC202417067</p> <p>Application of four-neutron logging in residual oil identification</p> <p>Zhen-Tao Gao , Exploration and Development Research Institute of Petrochina Huabei Oilfield Company</p>
12:00-14:00	<p>Buffet Lunch and Break</p>
<p>13 September 2024 (p.m.)</p>	
<p>He-Dong Sun, China National Petroleum Exploration and Development Research Institute , Professorate Senior Engineer</p> <p>Wei Li, Southwest Petroleum University, Associate Researcher</p>	
14:00-14:15	<p>IFEDC202416529</p> <p>Application of Fiber Optic Evaluation Technology Based on Fluid Imaging Constraints in Production Profile Interpretation of Horizontal Wells</p> <p>Ji-Hui Liu, PetroChina Logging Co. Ltd Liaohe Branch</p>
14:15-14:30	<p>IFEDC202416513</p> <p>Analysis and Application of Horizontal Well Production Profile Logging Data in Ultra Deep Fault Controlled Fractured and Caved Reservoirs</p> <p>Juan Qin, PetroChina Tarim Oilfield Company</p>



14:30-14:45	IFEDC202416470 Intelligent Detection of Microseismic Effective Events Based on Transunet Kun Chen, Xi'an Shiyou University
14:45-15:00	IFEDC202416139 Application of Test Technology in Optimization of Drilling Control Scheme Xin Meng, Logging and Testing Services Company, Daqing Oilfield Co.Ltd.
15:00-15:15	IFEDC202417378 Application and Analysis of Dynamic Monitoring Technology for Natural Gas Flooding in Medium-Deep Reservoir Jing Gao, PetroChina of Jidong Oilfield Company
15:15-15:30	IFEDC202416943 Microseismic Interpretation of Hydraulic Fractures With Core Calibration Applied in Mahu Jing Zhang, Exploration and Development Research Institute of Xinjiang Oilfield Company
15:30-15:45	IFEDC202417439 Research on the Development Model of Monitoring Data Collection and Analysis Programs Based on Large Language Models Lai-Xue Wang, PetroChina Daqing Oilfield Co Ltd
15:45-16:00	IFEDC202417651 Analysis of Influencing Factors on Microseismic Moment Tensor Inversion Fei Wang, BGP Inc.
16:00-16:30	Coffee Break and E-Poster Seminars for Sharing
16:30-16:45	IFEDC202417128 Horizontal Well Tubular Column Transportation In-Line Testing Process and Application Xiao-Lei Liu, Logging & Testing Services, PetroChina Daqing Oilfield Co Ltd
16:45-17:00	IFEDC202416834 Application of Residual Oil Saturation Logging in Huabei Oilfield Ping Liu, Exploration and Development Research Institute of PetroChina Huabei Oilfield Company



17:00-17:15	IFEDC202416799 Application of Downhole Real-Time Dynamic Monitoring Technology in High Inclination Well of Luojiashai High Sulfur Gas Field Zhen-Zhong Lei, Sichuan Northeast Operation Branch of PetroChina Southwest Oil and Gas Field
17:15-17:30	IFEDC202417133 Experimental Research on Multi-Well Pad Fracturing of Glutenite Reservoir Based on Distributed Optical Fiber Strain Sensing Zun-Peng Hu, China University of Petroleum(East China)
17:30-17:40	IFEDC202416310 Adjustment of Multi-Stage Fracturing Sequence Based on Seismic & Micro-Seismic Qi-Hu Jin, BGP Inc., China National Petroleum Corporation
17:40-17:50	IFEDC202417199 Downhole Shut in Pressure Measurement Technology and Its Application in Oil Wells Yang Xiao, Logging & Testing Services, PetroChina Daqing Oilfield Co Ltd
17:50-18:00	IFEDC202417260 Application of Sonar Remote Fracturing Monitoring Technology in Evaluating Fracturing Effects of Deep Shale Gas Guang-Yu Liu, Jilinoilfield Company Oil and Gas Technology Research Institute, CNPC
18:30-20:30	Buffet Dinner



Session 6

MingSi Hall, 5F

Reservoir Engineering and Management

Co-organized by: Changqing Oilfield Branch Company, PetroChina

Convener: Ji-Yong Zhao, Changqing Oilfield Branch Company, PetroChina, Chief Expert

Date: 12-14 September, 2024

12 September 2024 (p.m.)	
Host:	
Ji-Yong Zhao, PetroChina Changqing Oilfield Branch	
Yu-Liang Su, China University of Petroleum (East China), Professor	
14:00-14:20	IFEDC Exploration and Practice of Key Technologies for Unconventional Reservoir Development in Yanchang Oilfield Shi-Yan Hao, Vice President, Research Institute, Shanxi Yanchang Petroleum (Group) Co.
14:20-14:40	IFEDC Research on Mechanism and Development Mode of Gas Injection in Deep Reservoirs to Improve Recovery Rate Yu-Liang Su , China University of Petroleum (East China), Professor
14:40-15:00	IFEDC202418220 Unconventional Gas Reserves in Saudi Arabia Musaed N. J. Alawad, Petroleum and Natural Gas Engineering Department, College of Engineering, King Saud University, Professor
15:00-15:15	IFEDC202418193 Analysis of the Causes of Gas Well Clogging in Dengying Formation Gas Reservoirs of Anyue Gas Field Yu-Jin Wan , China National Petroleum Exploration and Development Research Institute, Corporate Technical Expert, Professorate Senior Engineer
15:15-15:30	IFEDC202417125 Study on the Rules of Water Cut Increase in Typical Deep-Water Turbidite Sandstone Reservoir: A Case Study of X Oilfield in North Sea, UK Jia-Wei Gao, CNOOC International Ltd

15:30-15:45	<p>IFEDC202418153</p> <p>Forecasting Well Productivity Decline With Reservoir Pressure Depletion</p> <p>Mikhail Turbakov, Perm National Research Polytechnic University, Associate Professor</p> <p>bao-Ping Pu</p>
15:45-16:00	<p>IFEDC202416793</p> <p>Research on New Water Drive Theory of High Water Cut Reservoirs</p> <p>Hao-Li Bai, CNPC Engineering Technology R&D Company Limited</p>
16:00-16:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
16:30-16:45	<p>IFEDC202416889</p> <p>Application of Blasingame Incremental Analysis Method in Fractured Well Capacity Evaluation</p> <p>Hui-Min Lu, Senior Engineer, Research Institute of Exploration and Development, PetroChina Daqing Oilfield Co.</p>
16:45-17:00	<p>IFEDC202416995</p> <p>A Method for Rapid Prediction and Dynamic Evaluation of Tight Gas Well Productivity: A Case Study of Shenfu Gasfield</p> <p>Jia-Qi Wu, CNOOC Research Institute Co. Ltd</p>
17:00-17:15	<p>IFEDC202417992</p> <p>Tailoring Fluid Characterization for Integrated Production and Reservoir Models and Digital Twins Solving Issues of Using Modern Approaches of Pvt Modeling for Subsurface and Surface Systems</p> <p>Roman Ishmuratov, Digital Upstream</p>
17:15-17:30	<p>IFEDC202416935</p> <p>Study on Dynamic Analysis Method of Water Invasion in Ultra-Deep Gas Reservoirs</p> <p>Gang Yuan, Northwestern Sichuan Gas District, PetroChina Southwest Oil and Gasfield Company</p>
17:30-17:45	<p>IFEDC202416527</p> <p>Study on the Change Law of Physical Properties and Optimized Water Injection in Early Polymer Injection Oilfield in Bohai Sea</p> <p>Zi-You Yang, CNOOC China Ltd, Tianjin Branch</p>
17:45-18:00	<p>IFEDC202417153</p> <p>Semi-Analytical Method for Fracturing-Flooding Based on Unstable Seepage and Fracture Mechanics Theory</p> <p>Jun-Kang Wang, China University of Petroleum (East China)</p>
18:30-20:30	<p>Excellent Paper Award Ceremony (Golden Chang'an Hall, 2F)</p>



13 September 2024 (a.m.)

Host:

**Zhi-Hai Chen, SINOPEC Research Institute of Petroleum Exploration and Development,
Professor**

Xin-Ju Liu, Senior Expert, PetroChina Changqing Oilfield Co.

8:30-8:45	IFEDC202416678 Experimental Study on Shale Microfracture Flow Based on Stress Sensitivity Ting Chen, Exploration and Development Research Institute, Shengli Oilfield Company, SINOPEC
8:45-9:00	IFEDC202416525 Countermeasures to Improve the Development Effect of Weak Volatile and Low Permeability Reservoirs in Layered Carbonate Rocks Miao-Miao Wang, Research Institute of Exploration and Development, Xinjiang Oil-Field Company, Karamay, China
9:00-9:15	IFEDC202416049 Analysis of Key Factors Controlling Initial Production Capacity in Shale Oil Horizontal Wells: A Case Study of the Boxing Depression in the Shengli Region Guan-Qun Li, Exploration and Development Research Institute, Shengli Oilfield Company
9:15-9:30	IFEDC202416476 Experimental Study on Dynamic Production Characteristics of Methane in Moist Shale Matrix Kun-Kun Fan, Shandong University of Science and Technology
9:30-9:45	IFEDC202416588 Quality Management Strategies for Vertical Seismic Exploration Engineering Projects Li Qin, Geophysical Exploration Company of BGP Inc. of CNPC
9:45-10:00	IFEDC202416157 A New Method for Annual Oilfield Decline Rate Calculation Ke-Jia Tong, Exploration and Development Research Institute, Tarim Oilfield Company of CNPC
10:00-10:30	Coffee Break and E-Poster Seminars for Sharing



10:30-10:45	<p>IFEDC202416127</p> <p>Exploration and Practice of Injection-Production System Adjustment in Fractured Tight Reservoir Based on Single Sand Body</p> <p>Si-Yi Wang, Exploration and Development Research Institute of Changqing Oilfield Company, PetroChina, Xi'an, Shaanxi</p>
10:45-11:00	<p>IFEDC202416158</p> <p>A Water Consumption Index Calculation Method Based on the Rate of Water Content</p> <p>Fei-Sha NA, Research Institute of Exploration and Development, Xinjiang Oilfield Company.</p>
11:00-11:15	<p>IFEDC202416044</p> <p>Time-Varying Productivity Model and Application of Deflagration Fracturing in Horizontal Wells</p> <p>Bao-Yu Chen, College of Petroleum Engineering, Northeast Petroleum University</p>
11:15-11:30	<p>IFEDC202416441</p> <p>Study on the Mechanism of Fluid Lifting During High Water Content Period in Sandstone Reservoirs</p> <p>Bao-Guang Jin, PetroChina Research Institute of Exploration and Development</p>
11:30-11:40	<p>IFEDC202416038</p> <p>An Integrated Diagnostic Method of Water Breakthrough Types for Horizontal Wells in Porous Carbonate Reservoirs</p> <p>Yu Zhang, CNOOC International Co.</p>
11:40-11:50	<p>IFEDC202416276</p> <p>Research on Optimization Method of Side Drilling Target in Nanpu Oilfield</p> <p>Li-Li Qu, PetroChina Jidong Oilfield Company</p>
11:50-12:00	<p>IFEDC202418040</p> <p>Study on the Occurrence Characteristics and Utilization Mechanism of Microscopic Remaining Oil in High Water Cut Stage of Typical Oilfields in Bohai Sea</p> <p>Kui-Qian Ma, CNOOC China Ltd, Tianjin Branch</p>
12:00-14:00	<p>Buffet Lunch and Break</p>

13 September 2024 (p.m.)

Host:

Shi-Yan Hao, Research Institute of Shaanxi Yanchang Petroleum (Group) Company Limited, Vice President

Yan-Ling Wang, China University of Petroleum (East China), Professor, Conference Reviewer

14:00-14:15	<p>IFEDC202415917</p> <p>Statistical Hydraulic Fracture Reservoir Modeling and Simulation Method for M Tight Gas Reservoir in Early Cretaceous, Indus Basin</p> <p>Jun-Xian Chai, BGP, CNPC.</p>
14:15-14:30	<p>IFEDC202415908</p> <p>Research on Reasonable Production Allocation of Gas Wells in Deep High Pressure Fractured Water Gas Reservoirs</p> <p>Hai-Feng Nie, Tarim Oilfield Company, PetroChina</p>
14:30-14:45	<p>IFEDC202416420</p> <p>Experimental Research on Elastic Development Characteristics and Imbibition Mechanisms of Shale Oil Reservoir At Pore Scale</p> <p>Jian-Xun Chen, Exploration and Development Research Institute of Shengli Oilfield Company, SINOPEC</p>
14:45-15:00	<p>IFEDC202418091</p> <p>A 3D Equivalent Permeability Tensor Calculation Method for Tezhend Media Based on Multi-Scale Digital Core</p> <p>Guang Lu, Research Institute of Exploration and Development, Shengli Oilfield of SINOPEC</p>
15:00-15:15	<p>IFEDC202417555</p> <p>Experimental Study of Nanoscale Fluid Phase Visualization in Continental Shale Oil Reservoir</p> <p>Xiao-Yu Zheng, PetroChina Research Institute of Petroleum Exploration & Development</p>
15:15-15:30	<p>IFEDC202416209</p> <p>Simulating Cave Effects on Hydro-Mechanical Coupling in Naturally Fractured-Vuggy Carbonate Reservoirs Based on Discrete Fracture-Vug Network Model</p> <p>Fu-Lei Zhao, SINOPEC Petroleum Exploration and Production Research Institute</p>
15:30-15:40	<p>IFEDC202416033</p> <p>A New Geology-Engineering Double Sweet Point Evaluation Method for Horizontal Well Staged Fracturing in offshore Low-Permeability Oilfield</p> <p>Di Luo, CNOOC China Limited, Shenzhen Branch</p>
15:40-15:50	<p>IFEDC202416247</p> <p>Rapid Evaluation Method of Water Flooding Reservoir Development Effect After Flow Field Adjustment Based on Streamlines</p>

	Shan-Shan Li, School of Petroleum Engineering, China University of Petroleum (East China)
15:50-16:00	IFEDC202417134 The Prediction of Shale Gas Well Production Rate Based on Grey System Theory Dynamic Model Gm(1, N) Yu-Song Chen, Ccdc Shale Gas Exploration and Development Department
16:00-16:30	Coffee Break and E-Poster Seminars for Sharing
16:30-16:45	IFEDC202416392 Study on the Adjustment and Replenishment Method During the Period of Extra High Water Content in Horizontal Well Zones With Low Abundance Reservoirs Mei-Feng Sun, Senior Engineer, Research Institute of Exploration and Development, PetroChina Daqing Oilfield Co.
16:45-17:00	IFEDC202416990 New Method for Calculating Condensate Oil Recovery in Condensate Gas Reservoirs Peng Xu, Exploration and Development Research Institute of Huabei Oilfield Company
17:00-17:15	IFEDC202418069 Insight on the Characteristics of Oil-Water Flow During Hydraulic Fracturing in Shale Oil Reservoir Zi-Qing Liu, China University of Petroleum (East China)
17:15-17:30	IFEDC202417230 Research and Application of Water Control and Oil Stabilization of Complex Small Fault Block Dual-Driven Reservoirs in Nanpu Depression Rui-Jie Geng, Jidong Oilfield Company, PetroChina
17:30-17:40	IFEDC202416225 Oil Droplet Displacement Behavior Under Pressure Driven Water Flooding in a Nano-Silica Pore Wei Yong, CNOOC Research Institute Co. Ltd
17:40-17:50	IFEDC202418080 Impacting Recovery and Decarbonization in Giant Carbonate Reservoirs By Field-Scale Diagnosis and Optimization of Conformance in Injection Wells-Part I (Methodology and Building Blocks) Younes Jalali, Tgt Diagnostics, Reservoir Engineering Advisor



17:50-18:00	<p>IFEDC202416565</p> <p>Study on Initiation Pressure Gradient and Seepage Law in Low Permeability Gravel Reservoirs</p> <p>Jian Guan, China University of Petroleum (East China)</p>
18:30-20:30	Buffet Dinner
14 September 2024 (a.m.)	
<p>Host:</p> <p>Qi-Liang Mei, Director, National Engineering Laboratory for Exploration and Development of Low-Permeability Oil and Gas Fields, China</p> <p>Si-Yi Wang, Engineer II, Research Institute of Exploration and Development, Changqing Oilfield Branch, PetroChina</p>	
8:30-8:45	<p>IFEDC202416212</p> <p>A New Method for Productivity Evaluation and Prediction of Abnormal High Pressure Water Reservoir</p> <p>Min Yang, Tarim Oilfield Company, PetroChina</p>
8:45-9:00	<p>IFEDC202416544</p> <p>Optimization of Waterflooding Strategy for Mishrif Reservoir in Buzurgan Oilfield</p> <p>Dr. Ahmed K. Al-Husseini, Petroleum Research & Development Center, Deputy Manager of Gas Technology Section</p>
9:00-9:15	<p>IFEDC202417118</p> <p>Study on Distribution Law of Dominant Seepage Channels in Water Drive Reservoir</p> <p>Wei-Wei Liu, PetroChina Jidong Oilfield Company</p>
9:15-9:30	<p>IFEDC202418082</p> <p>Increasing the Efficiency of Constructing 3D Oil Reservoir Models to Optimize Further Development</p> <p>Marina G. Persova, Novosibirsk State Technical University, Head of the Laboratory</p>
9:30-9:45	<p>IFEDC202416406</p> <p>A Statistical Model for Analyzing the Main Controlling Factors of Profile Control and Flooding Development</p> <p>Zhan-Jie Jin, Exploration and Development Research Institute of PetroChina Daqing Oilfield Co., Ltd.</p>

9:45-10:00	<p>IFEDC202418052</p> <p>Data-Driven Original Compositional Equilibrium Distribution Modeling</p> <p>Hao-Qiang Wu, School of Earth Resources China University of Geosciences, Wuhan</p>
10:00-10:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
10:30-10:45	<p>IFEDC202416763</p> <p>Dynamic Classification and Evaluation Method for Low-Permeability Vertical Horizontal Joint Development Oil Reservoirs Based on Driving Units</p> <p>Jing-Wei Zhu, No.8 Oil Production Plant of Daqing Oilfield Co., Ltd.</p>
10:45-11:00	<p>IFEDC202416324</p> <p>Research and Evaluation of Effective Development Techniques for High Inclination Wells in Ultra Low Permeability Reservoirs: A Case Study of L183 Area in Huaqing Oilfield</p> <p>Tian Tian, the 10th Oil Production Plant of Changqing Oilfield Company</p>
11:00-11:10	<p>IFEDC202416723</p> <p>A New Method for Identifying and Characterizing Interwell Advantageous Seepage Channels in offshore Oilfields</p> <p>Yu-Yang Liu, CNOOC Research Institute Co., Ltd</p>
11:10-11:20	<p>IFEDC202417358</p> <p>Implementation and Application of History Matching Method Based on Gis</p> <p>Wan-Quan Tang, Exploration and Development Research Institute of Daqing Oilfield Company Ltd., PetroChina</p>
11:20-11:30	<p>IFEDC202417123</p> <p>Optimization of Fracture Spacing for Ultra-Low Permeability Oil Reservoir Based on Ct Technology and Numerical Simulation</p> <p>Li-Yao Fan, Engineering Technology Department, Changqing Oilfield Company</p>
11:30-11:40	<p>IFEDC202416346</p> <p>Transformation Method and Application of Multidisciplinary Fine Reservoir Description Results</p> <p>Lei Yu, No.8 Oil Production Plant of Daqing Oilfield Co., Ltd.</p>
11:40-11:50	<p>IFEDC202418157</p> <p>Development of Approaches to Optimize Calculations of Integrated Asset Models of Gas Condensate Fields</p> <p>Egor Padin, Tyumen Petroleum Research Center, Expert</p>



11:50-12:00	IFEDC202417466 Research on Optimization of Bottom Hole Pressure in Shale Gas Reservoirs Based on Particle Swarm Optimization Considering Sensitivity to Permeability Stress Bao-Ping Pu, School of Petroleum Engineering, Northeast Petroleum University
12:00-14:00	Buffet Lunch and Break



Session 7

WenHui Hall, 5F

Reservoir Drilling and Completion

Co-organized by: CNPC Engineering Technology R&D Company Limited

Convener: Hai-Ge Wang, CNPC Engineering Technology R&D Company Limited, Vice Dean

Date: 12-14 September, 2024

12 September 2024 (p.m.)	
Host:	
Wei Liu, PetroChina Engineering and Technology Research Institute Co.Ltd., Professorate Senior Engineer	
Deng-Yun Lu , PetroChina Chuanqing Drilling & Exploration Engineering Co.Ltd.	
14:00-14:15	IFEDC New Progress and Development Trend of Domestic and International Drilling and Completion Technology Wei Liu , PetroChina Engineering and Technology Research Institute Co.ltd, Professor Senior Engineer
14:15-14:30	IFEDC202417805 Optimization of high-precision positioning of wellbore trajectory in in-situ conversion of shale oil Li Zhang, PetroChina Research Institute of Petroleum Exploration & Development
14:30-14:45	IFEDC202417826 A Drillinga Condition Identification Method Combining Mechanism Model and Deep Reinforcement Learning Model Jia-Sheng Fu, CNPC Engineering Technology R&D Company Limited Co., Ltd. ,Senior Engineer
14:45-15:00	IFEDC202416541 Optimizing Aphron Drilling Fluid Performance: Laboratory Study To Investigate the Impact of Aphron Generator Concentration on Drilling Fluid Key Properties Samer A. Waleed, Iraqi Ministry of Oil / Petroleum Research and Development Center

15:00-15:15	<p>IFEDC202417671</p> <p>Microchannel Leakage Simulation and Sealing Mechanism Research of High Temperature and High Pressure Rubber Packer</p> <p>Bao-Dong Wang, CNPC Engineering Technology R&D Company Limited, Senior Engineer</p>
15:15-15:30	<p>IFEDC202417983</p> <p>Optimization and Exploration of Wellbore Structure for Deep Shale Gas in Western Chongqing</p> <p>Zhe Liang, Chongqing Shale Gas Exploration and Development Limited Liability Company</p>
15:30-15:45	<p>IFEDC202417654</p> <p>Drilling and Completion Key Technologies for Ultra Long Horizontal Wells -A Duvernay Case Study</p> <p>Lu-Lin Kong, CNPC Engineering Technology R&D Company Limited, Senior Engineer</p>
15:45-16:00	<p>IFEDC</p> <p>Rock property experiments and well wall stability analysis by breaking laser rock</p> <p>Yu-Xian He, Yangtze University</p>
16:00-16:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
16:30-16:45	<p>IFEDC202417965</p> <p>Numerical Simulation Study on Electric Drive Steering Gear for Coiled Tube Drilling</p> <p>Lang-Yi Chen, CNPC Engineering Technology R&D Company Limited</p>
16:45-17:00	<p>IFEDC202417976</p> <p>Cause Analysis of Offshore Shallow Gas Blowout Accident Based on Accident Tree and Bayesian Network</p> <p>Dian-Yuan Miao, CNOOC Energy Development Co., Ltd. Engineering Technology Branch, Senior Engineer</p>
17:00-17:15	<p>IFEDC202416862</p> <p>Study on Fault Stability During Oilfield Development and Production</p> <p>Gang Wei, CNOOC Energy Technology&Services Limited-Drilling&Production Co.Ltd, Senior Engineer</p>

17:15-17:30	<p>IFEDC202416754 Research and Application of Ultra-Low Density Cement Slurry Technology for Cementing Permian Igneous Formations Tian-Yi Zhang, CNPC Tianjin Bo-Xing Engineering Science & Technology Company Ltd.</p>
17:30-17:45	<p>IFEDC202418133 Study on the Mechanism of Wellbore Instability in Fractured Igneous Rock Formations Based on the Discrete Element Method Yue Li, Chengdu University of Technology</p>
17:45-18:00	<p>IFEDC202417083 Research and Application of Multifunctional Integration Technology of Wellbore Preparation for Oil Testing Operation Han Wang, Engineering Technology Research Institute, PetroChina Southwest Oil & Gas Field Company</p>
18:30-20:30	<p>Excellent Paper Award Ceremony (Golden Chang'an Hall, 2F)</p>
<p>13 September 2024 (a.m.)</p>	
<p>Host: Guo-Bin Yang, China National Petroleum Corporation (CNPC), Senior Corporate Expert Yu-Huan Bu, China University of Petroleum (East China), Professor, Reviewer of the Paper</p>	
8:30-8:45	<p>IFEDC202417194 Experimental Investigation on Tight Sandstone Reservoir Protection Induced by Polyamine Drilling Fluid Ji-Ping She, SINOPEC Research Institute of Petroleum Engineering, North China Oil and Gas Branch, Associate Professor</p>
8:45-9:00	<p>IFEDC202415870 Research on Fast and Efficient Pile Punching Technology for Jack-Up Drilling Platforms Bao-Ping Zhang, CNOOC Energy Development Engineering & Technology Co., Senior Engineer</p>
9:00-9:15	<p>IFEDC202415893 Research on Drilling and Completion Technology of Large Platform Horizontal Wells in Unconventional Oil Reservoirs of Jilin Oilfield Lei Gao, Drilling Technology Research Institute of PetroChina Jilin Oilfield Company</p>

9:15-9:30	<p>IFEDC202416931</p> <p>Physical Properties and Chemical Structure Evolution Mechanism of Oil Well Cement Copolymer Fluid Loss Reducer At Ultra-High Temperature</p> <p>Hang Zhang, Tianjin University</p>
9:30-9:45	<p>IFEDC202417246</p> <p>Study on the Main Controlling Factors of Damage Caused by Drilling Fluid Intrusion Into Dense Sandstone Reservoirs</p> <p>Yun-Fei Wang, Chengdu University of Technology</p>
9:45-10:00	<p>IFEDC202415841</p> <p>Research and application of formation loss pressure prediction model in Penglai Block</p> <p>Wei-Xing Zhu, CNPC Engineering Technology R&D Company Limited, Senior Engineer</p>
10:00-10:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
10:30-10:45	<p>IFEDC202416945</p> <p>Waveform Indication Simulation of Rock Mineral Composition Prediction and Unsupervised Neural Network Clustering Drillability Analysis</p> <p>Jian-Guo Li, CNPC Engineering Technology R&D Company Limited, Senior Engineer</p>
10:45-11:00	<p>IFEDC202416387</p> <p>Dynamic Well Deviation Measurement System for High Temperature Vertical Drilling Tools</p> <p>Feng Huang, CNPC Bohai Drilling Engineering Company Limited, Senior Engineer</p>
11:00-11:15	<p>IFEDC202416273</p> <p>Application of a Green High-Temperature Resistant and High-Performance Drilling Fluid System in Jixin 6 Well</p> <p>Xiao-Long Wang, Research Institute of Oil Production Technology, PetroChina Tuha Oilfield Company</p>

11:15-11:30	<p>IFEDC202416131 Analysis and Prevention Measures of Casing Deformation in Deep Horizontal Wells Fracturing Shao-Bin Zhang, Oil and Gas Technology Research Institute of PetroChina Qinghai Oilfield Company</p>
11:30-11:45	<p>IFEDC202418136 Development and Characteristic Evaluation of Chemical Adhesive Plugging Agent Wei Liu, National Engineering Laboratory for Low-Permeability Oil & Gas Field Exploration and Development, Senior Engineer</p>
11:45-12:00	<p>IFEDC202418230 Performance Changes and Mechanism Research of Hydrogenated Nitrile Rubber in Oil and Gas Well Environments Ran Li, Engineering Technology Research Institute of PetroChina Southwest Oil and Gas Field Company</p>
12:00-14:00	<p>Buffet Lunch and Break</p>
<p>13 September 2024 (p.m.)</p>	
<p>Host: Rui Zhang, China University of Petroleum (East China), Professor, Reviewer of the Paper Hui-Juan Guo, PetroChina Engineering and Technology Research Institute Co., Senior Engineer, Reviewer of the Paper</p>	
14:00-14:15	<p>IFEDC202415977 Optimization Method and Application Research of Rock Breaking Irregular Cutter in Deep-Hard Strata Cheng Li, Drilling Technology Research Institute, SINOPEC Shengli Oilfield Service Corporation, Post-doctoral</p>
14:15-14:30	<p>IFEDC202415961 Development and Application of Low-Temperature Anti-Migration and Accelerating-Type Anionic Sbr Latex Cement Slurry Ru-Ran Ma, No.2 Cementing Company, Bhdc, CNPC (Tianjin), Senior Engineer</p>

14:30-14:45	<p>IFEDC202416959</p> <p>Molecular dynamics simulation and experimental study on the effect of graphene grafting modification on the wear resistance of nitrile rubber</p> <p>Xiao-liang Sun, Beijing Petroleum Machinery Co., Ltd</p>
14:45-15:00	<p>IFEDC202417182</p> <p>Research on Anti - Ultra-High Temperature Cementing Slurry Technology</p> <p>Guan-Yi Zheng, Petroleum Engineering Technology Research Institute of Shengli Oilfield, SINOPEC, Post-doctoral</p>
15:00-15:15	<p>IFEDC202417009</p> <p>Applicability Analysis of Tungsten Alloy Coated Tubing in Southwest China</p> <p>Da-Jiang Zhu, Engineering Technology Research Institute, PetroChina Southwest Oil & Gasfield Company, Senior Engineer</p>
15:15-15:30	<p>IFEDC202416540</p> <p>Mitigating Downhole Problems in An Iraqi Oil Field: Solutions for Casing Failure and Salt Creeping</p> <p>Ali Nahi Al-Hasnawi, Iraqi Ministry of Oil / Petroleum Research and Development Center</p>
15:30-15:45	<p>IFEDC202416824</p> <p>Experimental Study on Stress Corrosion of Carbon Steel Tubing in Deep Shale Gas Well</p> <p>Nai-Yan Zhang, Engineering Technology Research Institute, PetroChina Southwest Oil & Gasfield Company, Senior Engineer</p>
15:45-16:00	<p>IFEDC202417942</p> <p>Experimental Study on A High-Strength Preformed Delayed Expansion Particle Gel (Pdepg) As Lost Circulation Materials in Fractured Formations</p> <p>Yue-Cheng Zhu, China University of Petroleum (East China)</p>
16:00-16:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
16:30-16:45	<p>IFEDC202417250</p> <p>Research and Application of Cluster Sliding Sleeve Segmented Fracturing Completion Technology for Horizontal Well in Low Porosity and Permeability Reservoirs</p> <p>Sheng Jin, Petroleum Engineering Research Institute of PetroChina Dagang Oilfield Company</p>



16:45-17:00	IFEDC202417349 Research on the Application of Polymers and Nanoparticles in Foamed Cement Qiang Wang, School of Petroleum Engineering, China University of Petroleum (East China)
17:00-17:15	IFEDC202417039 Study on Spherical Sub-Micron Silicon To Improve the Mechanical Properties of Oil Well Cement Lei-Ju Tian, CNPC Tianjin Bo-Xing Engineering Science & Technology Co., Ltd
17:15-17:30	IFEDC202416322 Development and Performance Evaluation of Rheology Modifier for Antarctic Ultra-Low Temperature Drilling Fluids Ning Huang, College of Petroleum Engineering, China University of Petroleum (East China)
17:30-17:45	IFEDC202416289 Study on the Performance and Process of Microbial Cement Slurry for Well Cementing Ya-Wei Zhang, Chengdu University of Technology
17:45-18:00	IFEDC202417270 Study on Rock Properties and Borehole Instability Mechanism of Marlstone Reservoir of X Well in Southern Sichuan Wen-Jing Ma, Chengdu University of Technology
18:30-20:30	Buffet Dinner
14 September 2024 (a.m.)	
Host: Wei Liu, PetroChina Engineering and Technology Research Institute Co.Ltd., Professor Senior Engineer Liang-Bin Dou, Xi'an Shiyou University of Petroleum, College of Petroleum Engineering, Vice Dean, Professor, Reviewer of the Paper	
8:30-8:45	IFEDC202417077 Flow-Solid Coupling Simulation of Debris Migration Laws in Ultra-Long Horizontal Wells Hui-Juan Guo, CNPC Engineering Technology R&D Company Limited, Senior Engineer, Reviewer of the Paper

8:45-9:00	<p>IFEDC202417904</p> <p>Discussion on the Use Of"Ball-Off Type Pressure Tapping Firing Head"</p> <p>Gui-Fu Zhang, COSL, Senior Engineer</p>
9:00-9:15	<p>IFEDC202417539</p> <p>Risk Analysis and Countermeasures of 175Mpa Surface Test Process-- Taking Fudong X Well As An Example</p> <p>Feng Shan, Tarim Oilfield Branch of PetroChina</p>
9:15-9:30	<p>IFEDC202417282</p> <p>Optimization and Application of Small Well Spacing Rangefinders for Low-Maturity Shale Oils</p> <p>Hong-Lin Zhang, CNPC Engineering Technology R&D Company Limited</p>
9:30-9:45	<p>IFEDC202417829</p> <p>An Intelligent Prediction Model for Sticking Driven by a Hybrid of Physics and Data</p> <p>Jia-Sheng Fu, CNPC Engineering Technology R&D Company Limited Co., Ltd.,Senior Engineer</p>
9:45-10:00	<p>IFEDC202418171</p> <p>Vsp-Seismic Drive Technology Scheme and Practice for Drilling Guidance in Ultra-Deep Fault-Controlled Reservoirs</p> <p>Guan-Qing Zhang, Optical Science and Technology (Chengdu) Co. Ltd.</p>
10:00-10:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
10:30-10:45	<p>IFEDC202417579</p> <p>Laboratory Performance of the Integrated Tool for Hydraulic Fracturing and Sand Control for Deep and Ultra-Deep Tight Gas Reservoirs</p> <p>Zhao-Quan Guo, Beijing Petroleum Machinery Co., Ltd</p>
10:45-11:00	<p>IFEDC202416302</p> <p>Numerical Simulation of Formation Leakage Induced Overflow</p> <p>Shuang Liang, CNPC Reaserch Institute of Safety&Enviroment Technology,Senior Engineer</p>
11:00-11:15	<p>IFEDC202417135</p> <p>Study on the Law and Mechanism of Gas Pressure Drop in Eccentric Annular Pipeline</p> <p>Yan-Chao Sun, Lanzhou University</p>



11:15-11:30	IFEDC202416519 Enhancing Post-Fracturing Evaluation and Characterization of Deep Shale Gas Reservoirs Under Complex Geological Conditions Dr. Z. Peter Wang, IUT Group, President
11:30-11:45	IFEDC202417605 A Study on Key Parameters of Horizontal Well Drilling in Marine Hydrate Reservoirs Xian-Si Wang , PetroChina Offshore Engineering Company Limited
11:45-12:00	IFEDC202417462 Longitudinal Distribution Characteristics of Mechanical Parameters of Yanchang Formation in Longdong Area, Ordos Basin Ming-Sheng Bai, Southwest Petroleum University
12:00-14:00	Buffet Lunch and Break



Session 8

WenYuan Hall, 5F

Oil & Gas Production Engineering

Co-organized by: Research Institute of Oil Production Engineering of Daqing Oilfield Co., Ltd.

Convener: Xing-Liang Song, Research Institute of Oil Production Engineering of Daqing Oilfield Co., Ltd.

Assistant Dean

Date: 12-14 September, 2024

12 September 2024 (p.m.)	
Host:	
Xing-Liang Song, Assistant Director, Daqing Oilfield Extraction Process Research Institute	
Ming Zhou, Southwest Petroleum University, Professor, Doctoral Supervisor	
Gathering of Experts	
14:00-14:20	IFEDC Discussion on The Progress and Development Direction of Supporting Technologies of Chemical Drive Oil Recovery Engineering Chang-Ming Zhao, Daqing Oilfield Oil Recovery Technology Research Institute, Corporate Technical Expert
14:20-14:40	IFEDC Safe Lowering of Continuous Tubing and Traction Damper for Large Displacement Horizontal Wells Yi-Hua Dou, Xi'an Shiyou University, Dean, School of Mechanical Engineering
14:40-15:00	IFEDC Integration Technology of Rehabilitation and Production Enhancement for Old Inefficient and Low-Producing Natural Gas Wells Tai-Liang Zhang, Southwest Petroleum University, Professor/Doctoral Supervisor
15:00-15:15	IFEDC Progress of Sour Pressure Technology in Maokou Group of Chuanyu Prospecting Area of Daqing Oilfield and The Direction of Attack in The Next Steps Wen-Hai Ma, Daqing Oilfield Oil Production Technology Research Institute, Professorate Senior Engineer, Enterprise Technical Expert
15:15-15:30	IFEDC Progress and Next Direction of Acidising Oil and Water Wells To Increase Production and Injection in Shengli Oilfield Xing Zhang, Chief Expert/Director, Institute of Petroleum Engineering Technology, Shengli Oilfield Branch, SINOPEC

15:30-15:45	<p>IFEDC</p> <p>Research Progress of Chemical Additives in Sc-CO₂ Fracturing Fluid</p> <p>Xiao-Gang Li, National Key Laboratory of Reservoir Geology and Development Engineering, China, Professor and Doctoral Supervisor</p>
15:45-16:00	<p>IFEDC</p> <p>New Advances in Fracturing Acidising Working Fluid Technology</p> <p>Yang Zhang, PetroChina Engineering and Technology Research Institute, Assistant Director</p>
16:00-16:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
16:30-16:45	<p>IFEDC</p> <p>Bohai Sea Tight Oil Thermal Recovery Technology Innovation and Practice</p> <p>Zhang Wei, Cnooc Tianjin Branch, Director of Room</p>
16:45-17:00	<p>IFEDC202417245</p> <p>Optimization Research and Application of Ultra-Long Stroke Oil Production Technology in Changqing Oilfield</p> <p>Ji-Jia Sun, Oil and Gas Technology Research Institute, PetroChina Changqing Oilfield Branch</p>
17:00-17:15	<p>IFEDC202416409</p> <p>Research and Application of Working Condition Analysis and Diagnosis Technology of Pumping Unit Based on Electric Parameters</p> <p>Chun-Long Sun, Research Institute of Oil Production Technology, Daqing Oilfield Company Limited, Senior Engineer</p>
17:15-17:30	<p>IFEDC202416052</p> <p>Research and Experiment of Chemical Plugging Technology for Shallow Casing Leakage Wells</p> <p>Xiao-Ping Zou, Dagang Oilfield Petroleum Engineering Research Institute</p>
17:30-17:45	<p>IFEDC202417242</p> <p>Analysis of The Expansion Law and Influencing Factors of Volume Fracturing Fractures in Tight Oil Horizontal Wells in The Songnan Basin</p> <p>Kai Chen, CNPC Jilin Oilfield Company Oil and Gas Technology Research Institute</p>
17:45-18:00	<p>IFEDC202417015</p> <p>A Geological and Engineering Integrated Hydraulic Fracturing Design Method for Thin Layer Tight Oil Reservoir in Narrow River Channel</p> <p>Ze-Fei Lv, Engineering Research Institute of CNPC Southwest Oil and Gas Field Company</p>
18:30-20:30	<p>Excellent Paper Award Ceremony (Golden Chang'an Hall, 2F)</p>

13 September 2024 (a.m.)

Host:

Wen-Hai Ma, Daqing Oilfield Oil Recovery Process Research Institute, Professorate Senior Engineer

Xiao-Gang Li, National Key Laboratory of Reservoir Geology and Development Engineering, China, Professor and Doctoral Supervisor

Retrofitting for Increased Production

8:30-8:45	<p>IFEDC202417718 Research on The Influence of Non-Uniform Fluid Injection in Various Clusters of Shale Reservoir Volume Fracturing Er-Liang Jiang, SINOPEC Exploration Company</p>
8:45-9:00	<p>IFEDC202416099 Study on The Mechanism of Proppant Backflow in Rough Fractures Xiao-Gang Li, National Key Laboratory of Oil and Gas Reservoir Geology and Exploitation, Professor</p>
9:00-9:15	<p>IFEDC202417875 Research on Low-Temperature and High-Efficiency Sand Fixing Agent in Loose Sandstone Reservoir and Field Test Guo-Feng Yan, PetroChina Qinghai Oilfield, Branch No. 1 Oil Production Plant, Senior Engineer</p>
9:15-9:30	<p>IFEDC202416849 Research on The Expansion Law and Main Control Factors of Horizontal Fractures Li-Li Li, Research Institute of Oil Production Engineering of Daqing Oilfield Co Ltd, Daqing, Senior Engineer</p>
9:30-9:45	<p>IFEDC202417561 Research on The Main Control Factors of Fracturing Productivity in Tight Reservoirs and Production Improvement Technology Experiments Li-Tao Shang, CNPC Engineering Technology R&D Company Ltd, Senior Engineer</p>
9:45-10:00	<p>IFEDC202417455 Application of Fracturing Tracer Technology in Horizontal Well Staged Fracturing -- a Case Study of Jing River Oilfield in Ordos Basin Yao Wang, SINOPEC North China Petroleum Bureau</p>
10:00-10:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>

Retrofitting for Increased Production	
10:30-10:45	<p>IFEDC202416761</p> <p>Evaluation of Fracturing Effect of Tight Oil Reservoir Based on Big Data Analysis</p> <p>Wei Wang, Remaining Oil Exploration Technical Service Project Team of Daqing Drilling&Exploration Engineering Company</p>
10:45-11:00	<p>IFEDC202416650</p> <p>Research and Application of a Low Viscosity, Low Resistance, Retarded Acid and “Full Process Enclosed Fracturing Acid Pattern” for Tight Carbonates Stimulation</p> <p>Xiao-Ling Li, Oil & Gas Technology Research Institute Changqing Oilfield Company,Senior Engineer</p>
11:00-11:15	<p>IFEDC202416583</p> <p>Study on The Characteristics and Main Controlling Factors of Artificial Tezhens in Youshashan Reservoir</p> <p>Qian Xiao, Oil and Gas Technology Research Institute of Qinghai Oilfield</p>
11:15-11:30	<p>IFEDC202416071</p> <p>Development of Field Test and Key Technologies for Hydraulic Fracturing in Shale Oil Res-ervoirs in The United States</p> <p>Meng-Yun Zhao, Research Institute of Petroleum Exploration & Development, SINOPEC,Senior Engineer</p>
11:30-11:45	<p>IFEDC202416568</p> <p>Study on Comprehensive Evaluation of Shale Reservoirs Based on Rock Fragments Scanning</p> <p>Ting-Song Xiong, Qinghai Oilfield Oil and Gas Technology Research Institute,Senior Engineer</p>
11:45-12:00	<p>IFEDC202418198</p> <p>Laboratory Study of Hydrogen Peroxide Cyclic Injection for Thermal Recovery of Heavy Oil From Carbonate Reservoir</p> <p>EvgenyPopov, Skolkovo Institute of Science andTechnology, Head of Thermal EOR Laboratory</p>
12:00-14:00	Buffet Lunch and Break

13 September 2024 (p.m.)

Host:

Chang-Ming Zhao, Daqing Oilfield Oil Recovery Process Research Institute, Professorate Senior Engineer

Ning Qi, China University of Petroleum (East China), Professor, Reviewer of The Paper

Gas Extraction Process, Layered Injection

14:00-14:15	<p>IFEDC202416792</p> <p>Research and Application of Intelligent Injection and Production Technology With Cables</p> <p>Kai Zhang, Institute of Petroleum Engineering and Technology, Shengli Oilfield Company, Senior Engineer</p>
14:15-14:30	<p>IFEDC202418161</p> <p>Research on Quantitative Prediction of Liquid Accumulation Risk in Offshore Gas Wells Based on The Transient/Steady-State Mutual Verification Model</p> <p>Meng-Long Li, Drilling and Production Technology Research Dept. Cnooc Research Institute Co.,Ltd.</p>
14:30-14:40	<p>IFEDC202416291</p> <p>Exploration of Gas Lift-Bubble Drainage Combination Technology in Dongping Bedrock Gas Reservoir</p> <p>Kai Wei, Institute of Oil and Gas Technology, PetroChina Qinghai Oilfield Company</p>
14:40-14:50	<p>IFEDC202416122</p> <p>Risk Analysis About Hydrate Freezing and Blocking As Well As Parameters Optimization of Downhole Throttling in Shenfu Gas Field</p> <p>Jin Li, Cnooc Research Institute Co. , Ltd.</p>
14:50-15:00	<p>IFEDC202418014</p> <p>Artificial Intelligence Assistant Methods To Identify and Diagnose Liquid Loading in Gas Wells of Tight Gas Reservoir in SINOPEC</p> <p>Jing-Fei Tang, SLB, Senior Production Expert</p>
15:00-15:10	<p>IFEDC202418047</p> <p>Autoformer-Based Method for Predicting Liquid Loading in Gas Wells</p> <p>Xing-Yu Zhou, China University of Petroleum (East China)</p>

15:10-15:20	<p>IFEDC202417163</p> <p>Research and Application of Long Term Anti-Scaling Technology for Water Injection System in Shengli High Temperature Deep Oilfield</p> <p>Xia-Qing Li, Petroleum Engineering Technology Research Institute, SINOPEC Shengli Oilfield Company, Associate Research Fellow</p>
15:20-15:30	<p>IFEDC202417935</p> <p>Experimental Study on Viscogenic Characteristics of Jurassic Shale Oil in Sichuan Basin</p> <p>Wei-Hua Chen, Senior Engineer, Engineering and Technology Research Institute, Southwest Oil and Gas Field Branch, PetroChina, Senior Engineer</p>
15:30-15:40	<p>IFEDC202416589</p> <p>Research on Wellbore Wireless Communication Model and Application of Extremely Low Frequency Electromagnetic Waves</p> <p>Zhi Wang, Research Institute of Petroleum Exploration and Development</p>
15:40-15:50	<p>IFEDC202416064</p> <p>Research on Adjustable Constant Flow Water Distribution Technology</p> <p>Guang-Lei Gao, Daqing Oilfield Production Technology Institute, Senior Engineer</p>
15:50-16:00	<p>IFEDC202416812</p> <p>Intelligent Optimization for Fine Water Injection Based on Random Forest and Multi-Objective Algorithm: Methods and Applications</p> <p>Li Wu, China University of Geosciences (Beijing)</p>
16:00-16:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
<p>Fracturing Process and Sleeve Damage Management Technology</p>	
16:30-16:45	<p>IFEDC202418131</p> <p>Preparation and Application of High Temperature and High Salt Resistant Composite Plugging Hydrogel</p> <p>Qing-Jie Ma, SINOPEC Northwest Company of China Petroleum and Chemical Corporation, Associate Research Fellow</p>
16:50-17:00	<p>IFEDC202417947</p> <p>Study and Application of New Low Initial Viscosity Delayed Viscosity Increasing Gel System</p> <p>Wen-Jun Ao, Cnooc Energy Development Co., Ltd. Engineering Technology Branch, Senior Engineer</p>



17:00-17:15	<p>IFEDC202415994</p> <p>Oil Production Engineering Design and Supporting Technology for Post-Polymer Flooding in High and Middle Permeability Oilfields——Take Block B of Daqing Oilfield for Example</p> <p>Xue-Jing Zhang, Daqing Oilfield Production Technology Institute of Daqing Oilfield Limited Company,Senior Engineer</p>
17:15-17:30	<p>IFEDC202418105</p> <p>Optimizing in Situ Hydrogen Generation Via Reverse Methane Combustion and Catalytic Processes in Gas Reservoirs</p> <p>Tatiana Alekhina, Skolkovo Institute of Science Andtechnology, Senior Research Scientist</p>
17:30-17:40	<p>IFEDC202416552</p> <p>A New Testing Method for Fast and Accurate Halite Scale Inhibitor Screening</p> <p>Ming-Jie Wang, China University of Geosciences (Wuhan)</p>
17:40-17:50	<p>IFEDC202417594</p> <p>Efficiency Prediction of Oil Pumping System Based on Random Forests</p> <p>Bi-Ying Yang, Research Institute of Oil Extraction Process, PetroChina Daqing Oilfield Co.Ltd.</p>
17:50-18:00	<p>IFEDC202416081</p> <p>Study on The Characteristic and Mechanism of Guanidine Gum Fracturing Fluid By Bioenzyme/Ammonium Persulfate Gum Breaker</p> <p>Jun-Jie Xiong, Cnooc Eneritech-Drilling & Production Co.,Senior Engineer</p>
18:30-20:30	Buffet Dinner
14 September 2024 (a.m.)	
<p>Host:</p> <p>De-Li Jia , Prof. Senior Engineer, China National Petroleum Exploration and Development Research Institute (Cnpedri), Reviewer of The Paper</p> <p>Guo Hui, Researcher, Hi-Tech Research Centre, Henan Academy of Sciences</p>	
Retrofitting for Increased Production, Perforating Technology	
8:30-8:45	<p>IFEDC202416214</p> <p>Exploration and Understanding on Reservoir Transformation Technology of Kt Block in Qaidam Basin</p> <p>Xin-Yuan Feng, Oil & Gas Technology Research Institute of PetroChina Qinghai Oilfield Company,Senior Engineer</p>

8:45-9:00	<p>IFEDC202416818</p> <p>Research on Old Well Overall Re-Fracturing in Ultra-Low Permeability Reservoir</p> <p>Yin-Peng Da, Oil & Gas Technology Research Institute, PetroChina Changqing Oilfield Company, Senior Engineer</p>
9:00-9:15	<p>IFEDC202416015</p> <p>Research on the influencing factors of composite perforation construction effect and solutions</p> <p>Wei-Min Zhang, Oil Testing and Production Branch of PetroChina Daqing Oilfield Co., Ltd</p>
9:15-9:30	<p>IFEDC202416014</p> <p>Research and Application of Pre-CO₂ Energy Storage Fracturing Technology in Ultra-Low Permeability Reservoirs</p> <p>Tong-Tong He, Changqing Oil Field Branch No.9 Oil Production Plant, Senior Engineer</p>
9:30-9:45	<p>IFEDC202416816</p> <p>Research and Application of Nitrogen Foam Flooding Technology in Fractured Vuggy Reservoirs</p> <p>Bao-Lei Jiao, Yangtze University</p>
9:45-10:00	<p>IFEDC202416006</p> <p>Perforating Technology With Equal Aperture</p> <p>Kun Yang, Testing Branch, PetroChina Daqing Oilfield Co. , Ltd, Senior Engineer, Senior Engineer</p>
10:00-10:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
10:30-10:40	<p>IFEDC202417172</p> <p>Investigation on Distribution of Fracture Network and Its Flow Characteristic in Shale Gas Well Based on Numerical Well-Testing</p> <p>Qiu-Yang Cheng, Shale Gas Research Institute, Post-doctoral</p>
10:40-10:50	<p>IFEDC202416443</p> <p>Study on Acid Etching Mechanism in Dolomitized Carbonate Reservoirs</p> <p>Xu-Hang Su, China University of Petroleum (East China)</p>
10:50-11:00	<p>IFEDC202416065</p> <p>Simulation of External Pipe Channeling Flow and Anti-Channeling Control Method in Refracturing of Horizontal Wells</p> <p>Jia-Wei Ren, Xi'an Shiyu University</p>

<p>11:00-11:10</p>	<p>IFEDC202418130 Experimental Evaluation of Fracture Conductivity of Fractured Loose Sandstone With Proppant Embedding and Sand Intrusion Pattern and Its Composite Effect Hao-Bin Bai, School of Petroleum Engineering, China University of Petroleum (East China)</p>
<p>11:10-11:20</p>	<p>IFEDC202416666 Study on The Mechanism of Temporary Plugging Fracturing and The Conditions for Opening Natural Fractures in Fractured Reservoirs Xiang Chen, Southwest Petroleum University</p>
<p>11:20-11:30</p>	<p>IFEDC202416562 Study on Microstructure and Mechanical Properties of Acid- Etched Softened Layer of Carbonate Rock Shun-Ming Zhou, School of Petroleum Engineering in China University of Petroleum(East China)</p>
<p>11:30-11:40</p>	<p>IFEDC202416551 Experimental Study on Acid Fracturing of Granite Reservoirs in Baobab Oilfield Guan Wang, Petroleum Engineering School, Southwest Petroleum University National Key Laboratory of Oil and Gas Reservoir Geology and Exploitation</p>
<p>11:40-11:50</p>	<p>IFEDC202417278 Research and Practice on Key Lifting Technology of Sagd High Temperature Resistant Electric Submersible Pump for Shallow Super Heavy Oil Kang Zhang, Fengcheng Oilfield Operation Area of PetroChina Xinjiang Oilfield Company</p>
<p>11:50-12:00</p>	<p>IFEDC202417601 Improvement of Development Effect by Injecting Nitrogen Gas in the Later Stage of Sagd Based on Thermal Distribution Jun-Hao Zhang, China University of Petroleum (East China)</p>
<p>11:50-12:00</p>	<p style="text-align: center;">Buffet Lunch and Break</p>



Session 9

WenHua Hall, 5F

Enhanced Oil Recovery for Oil & Gas Reservoirs

Co-organized by: Xinjiang Oilfield Branch Company, PetroChina

Convener: Xin-Ge Sun, Xinjiang Oilfield Branch Company, PetroChina, Chief Expert

Date: 12-14 September, 2024

12 September 2024 (p.m.)	
Host:	
Xin-Ge Sun, Chief Technologist, PetroChina Xinjiang Oilfield Branch, Convener of The Topic	
Ren-Bao Zhao, China University of Petroleum (Beijing), Professor	
14:00-14:20	IFEDC Research and Practice of Shallow Thick Oil Recovery Enhancement Technology Xin-Ge Sun, Chief Technical Expert, PetroChina Xinjiang Oilfield Branch Company
14:20-14:40	IFEDC Preliminary Exploration on The Characteristics of Fire Cavity Expansion and Gas Flaring in Late Steam Development of Non-Homogeneous Tight Oil Reservoirs and The Methods of Regulation Ren-Bao Zhao, China University of Petroleum (Beijing), Professor
14:40-15:00	IFEDC Examining Tight Oil Extraction Methods By The First Principle Wen-Long Guan, Professorate Senior Engineer, PetroChina E&P Research Institute
15:00-15:15	IFEDC Progress of Key Technologies for The Development of Ultra-Deep Fault-Controlled Seam Hole Type Reservoirs Zhi-Jiang Kang, Professorate Senior Engineer, SINOPEC Petroleum Exploration and Development Research Institute, China
15:15-15:30	IFEDC Research on The Wave and Control Method of Fire-Burning Oil Layer Based on Asynchronous Injection and Extraction Shi-Bao Yuan, Xi'an Shiyu University, Professor

15:30-15:45	<p>IFEDC</p> <p>Effectiveness and Practice of Drive-Drain Composite Technology in Karamay Oilfield</p> <p>Ai-Ping Zheng, Professorate Senior Engineer, PetroChina Xinjiang Oilfield Branch Company</p>
15:45-16:00	<p>IFEDC</p> <p>Theoretical Innovation and Field Practice of Chemical Cold Recovery for Improved Recovery of Difficult-To-Recover Tight Oil</p> <p>Ye-Fei Wang, China University of Petroleum (East China), Professor</p>
16:00-16:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
16:30-16:45	<p>IFEDC</p> <p>Exploration and Practice of Key Technology for Gas Injection of Thick Oil in Rukqin Ultra-Deep Layer To Improve Recovery Rate</p> <p>Ying-Huai Cui, Professorate Senior Engineer, PetroChina Tuha Oilfield Branch Company</p>
16:45-17:00	<p>IFEDC</p> <p>Progress of Research on Oil Recovery By Surfactant Injection</p> <p>Hong-Tao Zhou , Professor, China University of Petroleum, Karamay Campus, China</p>
17:00-17:15	<p>IFEDC202416142</p> <p>Experimental Study on Hybrid Recovery Process By Moderate Heating for Foamy Oil Reservoirs</p> <p>Xing-Min Li, CNPC Company</p>
17:15-17:30	<p>IFEDC</p> <p>Challenges and Countermeasures for Enhanced Recovery of Tight Oil in The Middle and Deep Liaohe River</p> <p>Hong-Yan Zhao, Professorate Senior Engineer, PetroChina Liaohe Oilfield Branch Company</p>
17:30-17:40	<p>IFEDC202418204</p> <p>The Influence of Acoustic Vibrations Parameters on Permeability of Rocks</p> <p>Evgenii Riabokon, Perm National Research Polytechnic University, Perm, Russia, Researcher</p>



17:40-17:50	IFEDC202416621 Study on The New Technique of Eor for The Heavy Oil Reservoir With Profile Control Flooding Viscosity Reducing Agent Flooding Fei Guo, Exploration & Development Research Institute of Liaohe Oilfield Company CNPC
17:50-18:00	IFEDC202417012 Research and Application of Microbial Field Regulation To Improve Oil Recovery Gang-Zheng Sun, Research Institute of Petroleum Engineering and Technology, Shengli Oilfield Company, SINOPEC
18:30-20:30	Excellent Paper Award Ceremony (Golden Chang'an Hall, 2F)
13 September 2024 (a.m.)	
Host: Ai-Ping Zheng, PetroChina Xinjiang Oilfield Branch, Professorate Senior Engineer Ye-Fei Wang, China University of Petroleum (East China), Professor	
8:30-8:45	IFEDC202416881 Study on Thermal Recovery Laws and Process Technologies of Shallow Extra-Heavy Oil Reservoir Zhao-Xiang Zhang, Research Institute of Petroleum Engineering, SINOPEC Shengli Oilfield
8:45-9:00	IFEDC202415855 Experimental Study on Performance Evaluation of Nano Copper Based Catalytic Upgrading and Viscosity Reducing Agents Qing-Hui Zhao, PetroChina Liaohe Oilfield Company Exploration and Development Research Institute
9:00-9:15	IFEDC202416758 The Effects of Nanoscale Graphite Powders on Organic-Inorganic Composite Cross-Linked Polyacrylamide Gel Shi-Ling Zhang, CNPC Engineering Technology R&D Company Limited
9:15-9:30	IFEDC202416772 Research on The Control of High-Temperature Viscosity Loss and The Mechanism of Oil Displacement in Ultra-High-Temperature Resistant Hydrolysis Copolymers Yan-Feng Ji, Exploration and Development Research Institute of Shengli Oilfield Branch Company, SINOPEC Group

9:30-9:45	<p>IFEDC202416822</p> <p>Preparation and Performance Evaluation of Anti-Gas Filtration Dispersing Gel for Fractured Wells in Tight Reservoirs</p> <p>Yong Zhao, Institute of Experimentation and Testing, Xinjiang Oilfield Branch, PetroChina</p>
9:45-10:00	<p>IFEDC</p> <p>Key technologies of CO₂ foam flooding for enhanced oil recovery in low permeability reservoirs</p> <p>Ming Zhou, Professor at Southwest Petroleum University</p>
10:00-10:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
10:30-10:45	<p>IFEDC202416654</p> <p>Experimental Study on The Mechanism of Hot Water Flooding in Tight Oil Reservoirs in Northern Shaanxi</p> <p>Hong Guo, Shaanxi Institute of Geological Survey</p>
10:45-11:00	<p>IFEDC202416695</p> <p>Dynamic Injection-Production Balance Evaluation and Development Effect Influence Based on Injection-Production Capacity Change Prediction</p> <p>Xue-Ying Su, Exploration and Development Research Institute of Daqing Oilfield Company Ltd, Daqing, China</p>
11:00-11:15	<p>IFEDC202416639</p> <p>Optimization of Microemulsion Flooding Systems Based on Multipolar Solute Synergistic Anionic-Nonionic Surfactant (Speo-20): Enhancing Oil Recovery in Low Permeability Reservoirs</p> <p>Jie-Peng Qu, School of Rare Earth, University of Science and Technology of China</p>
11:15-11:30	<p>IFEDC202416618</p> <p>Feasibility Evaluation and Well Pattern Optimization of Gas Flooding After Fracturing in Mahu Tight Reservoir</p> <p>Xin-Yu Chen, Research Institute of Exploration and Development, Xinjiang Oilfield Company, PetroChina</p>
11:30-11:45	<p>IFEDC202418088</p> <p>In Situ Combustion in High Water Saturation Natural Gas Reservoirs</p> <p>Elena Mukhina, Skolkovo Institute of Science and Technology, Senior Research Scientist</p>



11:45-12:00	IFEDC202416475 Experimental Study on The Feasibility of In-Situ Combustion in Extra-Heavy Oil Reservoirs - Taking Block X As An Example Tian-Yue Li, Experiment and Detection Research Institute of PetroChina Xinjiang Oilfield Company
12:00-14:00	Buffet Lunch and Break
13 September 2024 (p.m.)	
Host: Wen-Long Guan, PetroChina Exploration and Development Research Institute, Professorate Senior Engineer Shi-Bao Yuan, Xi'an Shiyou University, Professor, Reviewer of The Conference	
14:00-14:15	IFEDC202416457 Study on Reasonable Gas Recovery Rate of Water Drive Gas Reservoir Ming Li, Research Institute of Exploration and Development, Tarim Oilfield Company
14:15-14:30	IFEDC202416391 Research on The Mechanism of Low Permeability and High Viscous Oil Electric Heating Assisted CO ₂ Energy Storage To Improve Oil Recovery Xiao-Rong Shi, PetroChina Xinjiang Oilfield Company
14:30-14:45	IFEDC202417535 Research and Practice on Improving Displacement Pressure in Low-Permeability Reservoirs Xiao-Jiao Qiu, E&D Research Institute of Liaohe Oilfield Company
14:45-15:00	IFEDC202416135 Research on The Development Characteristics of Field Experiments of Tape Iii Reservoir Polymer-Surfactant Agent Flooding Dan Zhang, No.4 Oil Production Plant of Daqing Oilfield Company
15:00-15:10	IFEDC202418226 Water Flooding Simulations Using Relative Permeability Models To Optimize Oil Recovery Qamar Yasin, Northeast Petroleum University, Daqing, Professor

15:10-15:20	<p>IFEDC202416045</p> <p>Exploration on The Method of Super Transmission and Rapid Dissolution of Polymers in Offshore Oil Fields</p> <p>Yong Qi, Southwest Petroleum University</p>
15:20-15:30	<p>IFEDC202416166</p> <p>Research and Application of Composite Water Plugging System in Gasi E31 High-Temperature and High-Salinity Reservoir</p> <p>Lan-Tian Pu, Oil and Gas Technology Research Institute of PetroChina Qinghai Oilfield Company</p>
15:30-15:40	<p>IFEDC202416009</p> <p>Research on Surfactant Flooding Technology for Ultra-Low Permeability Reservoirs, Ordos Basin</p> <p>Yu Zhang, Changqing Oil Field Branch No.9 Oil Production Plant</p>
15:40-15:50	<p>IFEDC202415852</p> <p>Application and Study of Metal Salt Combustion-Supporting Agent in Fire Flooding Re-Ignition</p> <p>Shu-Cheng Qi, Experimental Detection Research Institute, CNPC Xinjiang Oilfield Branch Company, Karamay Xinjiang</p>
15:50-16:00	<p>IFEDC202417213</p> <p>Research and Application of Recoverable Slickwater Fracturing System in Deep Tight Gas Reservoirs</p> <p>Le-Kai Hou, Oil and Gas Technology Institute, PetroChina Changqing Oilfield Company</p>
16:00-16:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
16:30-16:45	<p>IFEDC202418104</p> <p>Study on Charecteristics and Regulation of Dominant Seepage Channel in Water Drive of Ultra-High Water-Cut Reservoir</p> <p>Min Zhang, Research Institute of Exploration and Development, Shengli Oil Field Branch, SINOPEC</p>
16:45-17:00	<p>IFEDC202416918</p> <p>Study on Carbon Dioxide Flooding Mechanism and Influencing Factors of Gravity Flooding in Strong Heterogeneous Sandstone Reservoirs</p> <p>Xiao-Li Ma, PetroChina Jidong Oilfield Company</p>



17:00-17:15	IFEDC202416194 Study on The Adaptability of Surfactant in High-Salt Reservoir in Qinghai Oilfield Xiao-Qian Mao, Oil and Gas Technology Research Institute of PetroChina Qinghai Oilfield Company
17:15-17:30	IFEDC202416998 Study on The Influencing Factors and Control Methods of Sub-Cool in The Sagd of Vertical-Horizontal Well Combination Le-Hong Li, College of Petroleum Engineering, Xi'an Shiyou University
17:30-17:40	IFEDC202417953 A Study on Pore Structure of Longkou Oil Shale Under Supercritical Carbon Dioxide Pyrolysis Jing-Xuan Hou, China University of Petroleum (East China)
17:40-17:50	IFEDC202417177 A Novel in Suit Self-Generated Particle Profile Control System for Permeability Adjustment and Oil Displacement: Formula Construction and Mechanism Study Han Zhao, China University of Petroleum (East China)
17:50-18:00	IFEDC202417299 Research on Enhanced Oil Recovery Technology for Multi Media Composite Flooding Yu Tian, Karamay Hongshan Oilfield Limited Liability Company
18:30-20:30	Buffet Dinner
14 September 2024 (a.m.)	
Host: Zhi-Jiang Kang , Senior Expert, Senior Engineer, SINOPEC Group. Hong-Tao Zhou, Professor, China University of Petroleum, Karamay Campus, China	
8:30-8:45	IFEDC202416764 Distribution Pattern of Remaining Oil During The Ultra-High Water Cut Period in C Oilfield and Ways To Improve Oil Recovery Jie Tan, Cnooc (China) Tianjin Branch
8:45-9:00	IFEDC202417780 Experimental of Pressure-Bearing Effect Evaluation of Temporary Plugging Agent Combination Guang-Cong Ren, CNPC, Engineering Technology R&D Company Limited

<p>9:00-9:15</p>	<p>IFEDC202416018 Research and Application of Wellbore Expansion Pipe Reconstruction and Refracturing Technology in Horizontal Well Reconstruction of Max Well Area in Mahu Oilfield Lei Xiao, Downhole Service Company, CNPC Xibu Drilling Engineering Company Limited</p>
<p>9:15-9:30</p>	<p>IFEDC202417502 Effect of Surfactants on The Interfacial Tensions of CO₂ and Shale Oil Ji-Wei Lv, China University of Petroleum (East China)</p>
<p>9:30-9:40</p>	<p>IFEDC202417845 Research Progress on Imbibition Production Mechanism of Shale Reservoir Chen-Xi You, China University of Petroleum (East China)</p>
<p>9:40-9:50</p>	<p>IFEDC202416938 Preparation of CO₂-Responsive Nanogel Microspheres With Double Cross-Linking Structure and Their Application in Enhancing Recovery Rate Yun Cheng, Tianjin University</p>
<p>9:50-10:00</p>	<p>IFEDC202416762 Research on The Mechanism of Improving Oil Recovery By Reducing Viscosity and Low Tension Composite Flooding System Qun Yu, Exploration and Development Research Institute of Shengli Oilfield Company of SINOPEC</p>
<p>10:00-10:30</p>	<p style="text-align: center;">Coffee Break and E-Poster Seminars for Sharing</p>
<p>10:30-10:45</p>	<p>IFEDC202417291 Research and Application of Stable Production and Efficiency Improvement Technology in The Middle and Late Stage of Shallow Super Heavy Oil Sagd Development Yang-Bo Xie, Fengcheng Oilfield Operation Area of PetroChina Xinjiang Oilfield Company</p>
<p>10:45-11:00</p>	<p>IFEDC202417165 Study on The Spontaneous Imbition Oil Displacement Effect and Influencing Factors of Surfactants in Shale Reservoirs Tai-Wei Li, Petroleum Engineering Technology Research Institute of SINOPEC Jiangsu Oilfield Company</p>



11:00-11:10	IFEDC202418062 A Binary Oil Displacement System Based on Dynamic Covalent Bonds of Borate Esters Cheng-Jie Wang, Southwest Petroleum University
11:10-11:20	IFEDC202418065 Development and Performance of Microencapsulated Polymers for Targeted Oil Recovery Jin-Cheng Gong, SINOPEC Shengli Oilfield Exploration and Development Research Institute
11:20-11:30	IFEDC202417652 Mathematical Model and Numerical Simulation Development of Viscoelasticity Polymer Flooding in Heavy Oil Reservoir Yong-Zheng Cui, Cnooc Research Institute Co., Ltd., Beijing, China
11:30-11:40	IFEDC202417293 Intelligent Co-Optimization of Well Control Parameters for Hydrocarbon Gas Flooding in Deep Clastic Reservoirs Kuan-Kuan Wu, School of Petroleum Engineering
11:40-11:50	IFEDC202418103 Study on Mechanism and Adaptability Evaluation of Huff and Puff Nano-Emulsion Oil Displacement in N Sandstone Reservoir Xue-Jing Guo, PetroChina Research Institute of Petroleum Exploration & Development
11:50-12:00	IFEDC202417511 Research Progress of Selective Water Plugging Agents for Gas Wells Wei Ma, China University of Petroleum (Beijing)
12:00-14:00	Buffet Lunch and Break



Session 10

MingRui Hall, 5F

Coalbed Methane Exploration and Development

Co-organized by: China Coal Group Xi'an Research Institute (Group) Co., Ltd.

Convener: Zai-Bing Jiang, China Coal Group Xi'an Research Institute (Group) Co., Ltd., Chief Expert

Date: 12-13 September, 2024

12 September 2024 (p.m.)	
Host:	
Zai-Bing Jiang, Chief Scientist II, China Coal Science and Technology Xi'an Research Institute (Group) Co Ltd.	
Zhi-Di Liu, Professor, School of Geosciences, Xi'an Shiyou University , China	
14:00-14:20	<p>IFEDC Coal Mine Area Surface Underground Coalbed Methane Synergistic Development Technology Zai-Bing Jiang, Second Chief Scientist, China Coal Science and Technology Xi'an Research Institute (Group) Co.</p>
14:20-14:40	<p>IFEDC Geological-Engineering Logging Evaluation Techniques for Deep Coal Reservoirs Zhi-Di Liu, Professor, School of Geosciences, Xi'an Shiyou University , China</p>
14:40-15:00	<p>IFEDC202416715 Multi-Scale Quantitative Characterisation of Coalbed Methane Pore Structure in The Deep Ordos Basin Xiao-Ming Yang, Senior Engineer, Research Institute of Exploration and Development, Changqing Oilfield Company, PetroChina</p>
15:00-15:20	<p>IFEDC202417468 Key Technologies and Practices for Exploration and Development of Coalbed Methane in Giant Thickness Reservoirs of Low Coal Steps--Taking Jirgalantu Depression As An Example Ning Wang, Exploration and Development Research Institute, PetroChina Huabei Oilfield Company</p>

15:20-15:40	<p>IFEDC202417628</p> <p>Research on Wellbore Stability Control Technology in Deep Coalbed Gas Reservoirs in Yichuan Area</p> <p>Yun-Feng Xiao, Exploration and Development Research Institute of Liaohe Oilfield Company, PetroChina</p>
15:40-16:00	<p>IFEDC202416307</p> <p>Study on The Treatment of Low-Yield and Low-Efficiency Coalbed Methane Wells With High Rank in Qinshui Basin- Take Gucheng4 Well Area As An Example</p> <p>Hui Zhang, Huabei Oilfield Company, CNPC</p>
16:00-16:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
16:30-16:45	<p>IFEDC202417440</p> <p>Geochemical Characteristics of Mudstone in Upper Paleozoic Coal-Measure Strata in Linxing Middle Block and Its Indicative Significance To Sedimentary Environment</p> <p>Hong-Nan Kang, Engineering Technology Company of Cnooc Energy Development Co., Ltd., Tianjin</p>
16:45-17:00	<p>IFEDC202416439</p> <p>Characteristics of Water Uptake in Deep Coal Rock and Its Influence on Gas Production</p> <p>Yan-Jun Zhang, School of Petroleum Engineering, Xi'an University of Petroleum</p>
17:00-17:15	<p>IFEDC202417029</p> <p>The Impact of Tectonic Deformation and Dynamic Metamorphism on The Pore Structure of Eocene Coal: A Case Study in The Tansen Area of The Lesser Himalaya in Nepal</p> <p>Jun-Jie He, China University of Mining and Technology</p>
17:15-17:30	<p>IFEDC202418238</p> <p>Cleavage Characterization Parameters of Deep Coals in The Bx Groups, Ordos Basin: Lab Measurements and Analysis</p> <p>Zi-yang Ni, Southwest Petroleum University</p>
17:30-17:45	<p>IFEDC202416426</p> <p>Fluid Flow Characteristics and Monitoring Technology in Coalbed Methane Wells</p> <p>Yu-Hang Xiao, Research Institute of Petroleum Exploration and Development</p>

17:45-18:00	<p>IFEDC202415992</p> <p>Research and Application of Key Technologies of Deep Coalbed Methane Geological Guidance</p> <p>You-huan Dong, Geological Measurement and Control Technology Research Institute of SINOPEC Jingwei Co., Ltd</p>
18:30-20:30	<p>Excellent Paper Award Ceremony (Golden Chang'an Hall, 2F)</p>
<p>13 September 2024 (a.m.)</p>	
<p>Host:</p> <p>Hong-Yan Qu, China University of Petroleum (Beijing), Researcher</p> <p>Yan-Bin Wang, China University of Mining and Technology (Beijing), Professor</p>	
8:30-8:45	<p>IFEDC202417616</p> <p>Optimization Design Research of Fracturing Parameters in Deep Coalbed Gas Reservoirs in Yichuan Area</p> <p>Lin-Peng Zhang, Exploration and Development Research Institute of Liaohe Oilfield Company, PetroChina</p>
8:45-9:00	<p>IFEDC202417599</p> <p>Experimental Study on Change Law of Mechanical Characteristic Parameters of Deep Coal and Rock Under Drilling Fluid Immersion</p> <p>Jing-Hui Zhou, China Petroleum Jidong Oilfield Oil Production Technology Research Institute</p>
9:00-9:15	<p>IFEDC202417437</p> <p>Experimental Study on Mechanical Properties of Benxi Formation Coal in Ordos Basin Under Different Confining Pressures</p> <p>Bai-Xu Zhu, National Key Laboratory of Reservoir Geology and Development Engineering (Southwest Petroleum University)</p>
9:15-9:30	<p>IFEDC202417623</p> <p>Feasibility and Potential Evaluation of Recovery Enhancement for Tight Coalbed Methane Reservoir By Oxidation Treatment.</p> <p>Yu Lu, Ccdc Shale Gas Exploration and Development Department, CNPC</p>
9:30-9:45	<p>IFEDC202418050</p> <p>Study on The Brazilian Splitting Mechanical Behavior of High Metamorphic Coal Rock Based on Discrete Element Method</p> <p>Zhuo-Pu Yang, Yanshan University</p>

9:45-10:00	<p>IFEDC202417360</p> <p>Research on The Characteristics and Influencing Factors of Well-Seismic Calibration in Coal-Bearing Strata With Multiple Coal Seams</p> <p>Pei Sun, BGP Geological Research Center Inc, CNPC</p>
10:00-10:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
10:30-10:45	<p>IFEDC202416830</p> <p>A Method for Dynamic Reserve Calculation and Desorption Field Characterization of Coalbed Methane Wells</p> <p>Ying Zhang, PetroChina Coalbed Methane Company Linfen Branch</p>
10:45-11:00	<p>IFEDC202416768</p> <p>Research on Logging Evaluation of "Sweet Spot" in Coal Reservoir Based on Coal Structure</p> <p>Jin-Yu Chang, China Nation Logging Corporation Geology Research Institute</p>
11:00-11:15	<p>IFEDC202416871</p> <p>Coal Rock Mechanics Stratigraphic Mnit Division Method: A Case Study of The Dahedian Block in Guizhou</p> <p>Jin-Chao Zhang, China University of Mining and Technology</p>
11:15-11:30	<p>IFEDC202416489</p> <p>Wellbore Stability Analysis Considering Actual Horizontal Trajectory Extension for Coal Formation</p> <p>Yu-Fan Guo, Chengdu University of Technology</p>
11:30-11:45	<p>IFEDC202417799</p> <p>Research and Application of Integrated Seismic Geological Engineering Technology in Deep Coalbed Methane Exploration and Development</p> <p>Lin-Ke Zhang, BGP, CNPC</p>
11:45-12:00	<p>IFEDC202417683</p> <p>Research on Scour-Resistant Interface Enhancers for Improving Coal Seam Cementing Quality</p> <p>Zi-Han Chen, China University of Petroleum(East China) School of Petroleum Engineering</p>
12:00-14:00	<p>Buffet Lunch and Break</p>

Session 11

MingRui Hall, 5F

Geothermal Resource Exploration and Development

Co-organized by: The Geothermal Professional Committee , China Energy Research Society

Convener: Jia-Hong Yan, the Geothermal Professional Committee , China Energy Research Society

Date: 13-14 September, 2024

13 September 2024 (p.m.)	
Host: Jia-Hong Yan, Deputy Director, Geothermal Specialised Committee Xian-zhong Yi , Yangtze University, Professor	
14:00-14:20	IFEDC Advantages of Geothermal Business in Petroleum Industry Jia-Hong Yan, Deputy Director, Geothermal Specialised Committee, China Energy Research Society
14:20-14:40	IFEDC Exploration and Practice of Geothermal Development in North China Oilfield Ning Luo, Chief Expert of New Energy of PetroChina North China Oilfield Company, Senior Engineer
14:40-15:00	IFEDC Predictive Modelling of Heat Extraction From Geothermal Reservoirs Ba-Feng Bai, Professor, National Key Laboratory of Green Hydrogen Power, Xi'an Jiaotong University
14:00-15:20	IFEDC Geothermal Resource Potential and Prospects for Development and Utilisation in Songliao Basin Huan-Lai Zhu, Northeast Petroleum University, Associate Professor
15:20-15:40	IFEDC Development Technology and Practice of Geothermal Fields With Thermal Reservoirs in Mid-Deep Onshore Sandstone in Eastern China Zhong-Xin Zhao, Deputy Manager, New Energy Division, PetroChina Jidong Oilfield Co.
15:40-16:00	IFEDC Research and Application of Liaohe Conduction Geothermal Development Technology Zhong-Kuo Lin, Director, New Energy Research Institute, PetroChina Liaohe Oilfield Branch Company
16:00-16:30	Coffee Break and E-Poster Seminars for Sharing

16:30-16:55	<p>IFEDC Development and Application of All-Metal Screw Drilling Tools for Geothermal Well Construction Xian-Zhong Yi ,Yangtze University, Professor</p>
16:55-17:20	<p>IFEDC Challenges and Research Progress of Deep Geothermal Well Construction Engineering Xiang-Yang Wang, Senior Engineer, PetroChina Engineering and Technology Research Institute Co.</p>
17:20-17:40	<p>IFEDC Characteristics of Geothermal Resources Existence and Prospects of Development and Utilisation in Guanzhong Region Yang Zhou, Geological Surveyor of Shaanxi Province, Senior Engineer</p>
17:40-18:00	<p>IFEDC202417570 Research on The Technology of Transforming Inactive Or Abandoned Oil Wells Into Geothermal Wells in Oilfield in Northern Shaanxi Hong Guo, Shaanxi Institute of Geological Survey</p>
18:30-20:30	Buffet Dinner
14 September 2024 (a.m.)	
<p>Host: Ning-Luo, Chief Expert of New Energy, PetroChina North China Oilfield Company Bo-Feng Bai, Professor, Xi'an Jiaotong University, China</p>	
8:30-8:50	<p>IFEDC202416927 Research on Dry Hot Rock Structure and Reservoir Characteristics Based on Well Seismic Data Jie Wang, Research Institute, BGP, CNPC</p>
8:50-9:10	<p>IFEDC202416003 Study on Crack Initiation and Propagation Mechanism of Granite By Liquid Nitrogen Fracturing Peng-Peng Huang, CNPC Engineering Technology R&D Company Limited</p>
9:10-9:30	<p>IFEDC202417753 Time-Lapse Electromagnetic Technology and Its Application in Deep Thermal Reservoir Exploration Xin-Xin Qu, BGP Inc.</p>

9:30-9:45	<p>IFEDC202417193</p> <p>Experimental Study on The Influence of Pore Structure on The Seepage Characteristics of Geothermal Water</p> <p>Feng Cheng, Xi'an Shiyou University</p>
9:45-10:00	<p>IFEDC202416630</p> <p>Lithospheric Thermal Structure and Potential of Geothermal Resources in Dongpu</p> <p>Yi-Yu Yao, Chengdu University of Technology</p>
10:00-10:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
10:30-10:50	<p>IFEDC202415953</p> <p>Research on Drilling Cooling Programs Based on Insulated Drill Pipes</p> <p>Wei-Dong Zuo, Beijing Kembl Petroleum Technological Development Co.Ltd</p>
10:50-11:10	<p>IFEDC202417861</p> <p>Study on The Stratification Law of Geothermal Reinjection Based on Downhole Layered Multi-Parameter Monitoring</p> <p>Yan-Ting Zhao, Tianjin Geothermal Exploration and Development Design Institute</p>
11:10-11:30	<p>IFEDC202416548</p> <p>Renewable Management Strategies for Geothermal Energy Reservoirs</p> <p>Osman Hamid, Saudi Aramco, Geomechanics Consultant</p>
11:30-11:45	<p>IFEDC202417443</p> <p>Fluid Geochemical Genesis of The Rehai High Temperature Geothermal System in The Eastern Himalayan Syntaxis</p> <p>Da-Wei Liao, Petroleum Exploration and Production Research Institute, SINOPEC</p>
11:45-12:00	<p>IFEDC202417870</p> <p>Optimization of Shallow Geothermal Development in The Southern Margin</p> <p>Zhen Wang, State Key Laboratory of Continental Dynamics and Department of Geology, Northwest University</p>
12:00-14:00	<p>Buffet Lunch and Break</p>

Session 12

JinYu Hall, 3F

Natural Gas Hydrate Exploration and Development

Co-organized by: Institute of Rock and Soil Mechanics, Chinese Academy of Sciences

Convener : Pan Chen, Institute of Rock and Soil Mechanics, Chinese Academy of Sciences, Associate Researcher

Date: 12 September, 2024

12 September 2024 (p.m.)	
Host:	
Pan Chen, Associate Researcher, Wuhan Institute of Geotechnics	
Qing-Ping Li, Cnooc Research Institute Co.Ltd., Chief Engineer	
14:00-14:20	IFEDC Progress and Thoughts on Basic Research on Joint Development of Marine Natural Gas Hydrate and Deep Gas Qing-Ping Li, Cnooc Research Institute Co.Ltd., Chief Engineer
14:20-14:40	IFEDC Methods and Experiments of ‘Three-Addition’ Transformation of Marine Gas Hydrate Reservoirs Wei Guo, School of Construction Engineering, Jilin University, China, Professor and Dean
14:40-15:00	IFEDC Study of Stratigraphic Gas Eruption Caused By Hydrate Thermal Decomposition Xu-Hui Zhang, Institute of Mechanics, Chinese Academy of Sciences, China, Research Fellow
15:00-15:20	IFEDC Body Transformation and Creep Behaviour of Hydrate-Bearing Sediments Under Stress-Phase Transformation Pathways Jia-Zuo Zhou, China University of Geosciences (Wuhan), Professor
15:20-15:40	IFEDC Theory and Technology of Sand Control in Natural Gas Hydrate Extraction Yan-Long Li, Laoshan Laboratory, Researcher
15:40-16:00	IFEDC Mechanical Properties of Sediment As Influenced By Water ‘Ice’ Pore Patterns Liang Lei, Westlake University, Professor

16:00-16:15	<p>IFEDC</p> <p>Predictive Analysis of Response Behaviour for Drilling and Recovery of Marine Gas Hydrate Reservoirs</p> <p>Jia-Xin Sun, China University of Geosciences, Professor</p>
16:15-16:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
<p>Host:</p> <p>Yan-Long Li, Laoshan Laboratory, Researcher</p> <p>Liang Lei, Westlake University, Professor</p>	
16:30-16:45	<p>IFEDC</p> <p>Evolution and Quantitative Characterisation of Shear Strength Properties of Hydrate Reservoirs Under Depressurised Mining Conditions</p> <p>Pan Chen, Wuhan Institute of Geotechnics, Chinese Academy of Sciences, China</p>
16:45-17:00	<p>IFEDC202416063</p> <p>Research and Exploration Practice of Hydrate Accumulation System</p> <p>Qi Fan, CNOOC Research Institute</p>
17:00-17:15	<p>IFEDC202418222</p> <p>Change in The Transport Properties of Rocks During The Decomposition of Gas Hydrates</p> <p>Dr. Evgenii Kozhevnikov, Perm National Research Polytechnic University</p>
17:15-17:30	<p>IFEDC202417630</p> <p>Joint Inversion of Gas Hydrate Saturation Electrical-Acoustic Equations Based on Sound Velocity and Resistivity</p> <p>Jian-Jun Guo, Chengdu University of Technology</p>
17:30-17:40	<p>IFEDC202416591</p> <p>Research and Application on Well Stability in Shallow Borehole Drilling for Deep-Water Natural Gas Hydrate</p> <p>E-Chuan Wang, School of Petroleum Engineering, China University of Petroleum(East China), Qingdao</p>
17:40-17:50	<p>IFEDC202416547</p> <p>Impact of Gas Hydrate Dissociation on Wellbore Stability: Utilizing a Temperature Simulator Approach</p> <p>Osman Hamid, Saudi Aramco, Geomechanics Consultant</p>
17:50-18:00	<p>IFEDC202416673</p> <p>Design of The Structure and Key Process Parameters for Preset Restrictor</p> <p>Hui-Wu Wang, Xi'an University of Technology</p>
18:30-20:30	<p>Excellent Paper Award Ceremony (Golden Chang'an Hall, 2F)</p>

Session 13

JinYu Hall, 3F

Carbon Capture, Utilization and Storage (CCUS)

Co-organized by: China University of Petroleum, Beijing

Convener: Ke-Liu Wu, China University of Petroleum, Beijing, Professor

Date: 13-14 September, 2024

13 September 2024 (a.m.)	
Host: Ke-Liu Wu , China University of Petroleum (Beijing), Professor, Convener of This Topic Zheng-Jun Ge, Exploration and Development Research Institute, Jiangsu Oilfield Company, SINOPEC	
8:30-8:50	IFEDC Characterisation of Mixed-Phase State and Wave and Volume of CO ₂ Drive in Low-Permeability Reservoirs and Its Application Ke-Liu Wu, China University of Petroleum (Beijing), Professor
8:50-9:10	IFEDC202417244 Preparation and Application of A Combination Corrosion-Scale Inhibitor Under CO ₂ Flooding and Sequestration Corrosion Conditions Hui Li, Research Institute of Yanchang Petroleum (Group) Co.Ltd. Senior Engineer
9:10-9:30	IFEDC202417200 Climate Change-Real and Imagined, and Its Disastrous Effect on Oil and Gas Production S.M. Farouq Ali, University of Houston
9:30-9:45	IFEDC202417734 Gas Phase Front Migration Characteristics and Storage Efficiency of Carbon Dioxide Flooding in Multi-Layer Heterogeneous Low Permeability Reservoirs Qing-Wei Ma, Exploration and Development Research Institute, Jiangsu Oilfield Company, SINOPEC
9:45-10:00	IFEDC202417388 Analysis of The Influence of CO ₂ Flooding on The Reservoir Physical Properties of Heavy Oil Reservoirs—Taking The Reservoir of Suizhong 36-1 Oilfield As An Example Jing-shang Yu, School of Vehicle and Energy, Yanshan University
10:00-10:30	Coffee Break and E-Poster Seminars for Sharing

10:30-10:50	<p>IFEDC202416113 Laboratory Experiment and Field Application of CO₂ Enhanced Oil Recovery Technology Assisted By Plugging Agent Huai-Zhu Liu, Tangshan Jiyou Ruifeng Chemical Limited Company</p>
10:50-11:10	<p>IFEDC202418049 Experimental Study on The Filtration Property of CO₂ Reinjecting in Carbonate Reservoirs Zhi-Fan Yang, Oil and Gas Well Stimulation Technology Laboratory of Engineering Technology Research Institute of PetroChina Southwest Oil and Gas Field Company</p>
11:10-11:30	<p>IFEDC202417781 Research and Application of 3D Seismic in The Characterization and Evaluation of Ccs Storage in Brackish Water Yuan-Yi Huang, BGP</p>
11:30-11:45	<p>IFEDC202417643 Experimental Study on CO₂ Miscible Ability and Storage Efficiency of Water Flooding in Low Permeability Reservoir Zhi-Lin Wang, Research Institute of Exploration and Development, Jiangsu Oilfield Company, SINOPEC</p>
11:45-12:00	<p>IFEDC202416615 Influence of Hpht SCCO₂ on The Micro Pore Structure and The Macro Permeability in Low Permeability Sandstone of C6 Reservoir Li-Ming Zheng, Yanshan University</p>
12:00-14:00	Buffet Lunch
13 September 2024 (p.m.)	
<p>Host: Shan-Fa Tang, School of Petroleum Engineering, Changjiang University, Professor Huai-Zhu Liu, Tangshan Jiyou Ruifeng Chemical Limited Company</p>	
14:00-14:20	<p>IFEDC202415911 Minimum Miscibility Pressure Determined By Multi-Mixing-Cell Model and Optimizing The Injection Flue Gas Components Fu-Lin Yang, College of Petroleum and Chemical Engineering, Beibu Gulf University</p>
14:20-14:40	<p>IFEDC202415837 Optimization of CCUS Injection and Production Parameters in High-Temperature Oil Reservoirs Based on Multi-Objective Particle Swarm Optimization Algorithm Zhi-Wei Hou, PetroChina Liaohe Oilfield Exploration and Development Research Institute</p>

14:40-15:00	<p>IFEDC202418025</p> <p>Study on The Potential of Carbon Dioxide Geological Storage and Utilization in Oil and Gas Enrichment Area-Taking Songliao Basin As An Example</p> <p>Wen-Wu Liu, Beijing Institute of Exploration Engineering</p>
15:00-15:15	<p>IFEDC202416638</p> <p>Optimization and Performance Evaluation of CO₂-Flooding Reinforced Resin Used in Plugging The Pipe Channeling</p> <p>Shen-Gen Chen, Research Institute of Engineering Technology, Xinjiang Oilfield Company, PetroChina</p>
15:15-15:30	<p>IFEDC202415975</p> <p>Research and Practice of CCUS-Eor "Five Complete" Supporting Technologies for Heavy Oil Bottom Water Reservoirs</p> <p>Zu-Feng Zhang, The Sixth Oil Production Plant of Dagang Oilfield Company</p>
15:30-15:45	<p>IFEDC202418000</p> <p>Evaluation of Rock Elastic Properties of Carbonate and Caprock After Injection of CO₂</p> <p>Dr. Muhammad Abid, Hohai Univeristy</p>
15:45-16:00	<p>IFEDC202416427</p> <p>Research on The Migration Law of CO₂ Geological Sequestration Feather Flow in Saline Water Layers</p> <p>Luo Tian, School of Petroleum and Natural Gas Engineering, Liaoning University of Petrochemical Technology</p>
16:00-16:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
16:30-16:45	<p>IFEDC202415988</p> <p>Energy Transition Towards The Sustainability of The Oil and Gas Industry.</p> <p>Gabriel Ochelle, Gabrostrat Ltd</p>
16:45-17:00	<p>IFEDC202418022</p> <p>Molecular Simulation Study on The Effect of Shale Micropore Surface Roughness on The Adsorption Characteristics of CO₂/CH₄ Mixed Gas</p> <p>Ya-Ting Lu, Institute of Sedimentary Geology</p>
17:00-17:15	<p>IFEDC202417827</p> <p>Research and Application of Visual Logging Technology in CCUS</p> <p>Jing-Yu Zhang, Chang Qing Branch, China National Logging Corporation</p>
17:15-17:30	<p>IFEDC202417541</p> <p>The Variation Patterns of Phase Behavior in Light Crude Oil Systems Under Different Temperatures and CO₂ Concentrations</p> <p>Zhi-Hao Zhang, State Key Laboratory of Deep Oil and Gas, China University of Petroleum(East China)</p>



17:30-17:45	IFEDC202417286 Study on The Feasibility Theory of CO ₂ Utilization and Storage in Integrated Gas Reservoirs Based on CCUS Jiang-Fei Sun, China University of Petroleum (Beijing)
17:45-18:00	IFEDC202416526 Research on The Influence of CO ₂ Huff-n-Puff Rate Parameters in Multi-Stage Fracturing Horizontal Wells Rong-Tao Li, Exploration and Development Research Institute
18:30-20:30	Buffet Dinner
14 September 2024 (a.m.)	
Host: Yang-Wen Zhu, SINOPEC Science and Technology Research Centre, Researcher Yu-Long Zhao, Southwest University of Petroleum, Professor	
8:30-8:50	IFEDC202416351 Research and Application of CO ₂ -Driven Anti-Gas Invasion Solid-Free Well-Killing Technology Chong-Lian Han, Daqing Oilfield Production Technology Institute
8:50-9:10	IFEDC202417704 Study on Phase Behaviors of Near-Critical Condensate Gas Reservoir During CO ₂ Injection in The Late Stage of Depletion Development Li-Jian Li, Exploration and Development Research Institute of Huabei Oilfield Company
9:10-9:30	IFEDC202417340 Study on The Applicability of CO ₂ -Chemical Agent Composite Huff and Puff Technology in Jimusaer Shale Oil Reservoirs Li-Wei Zhang, Engineering Technology Research Institute of Xinjiang Oilfield Company, PetroChina
9:30-9:45	IFEDC202417818 Experimental Study on Oil Displacement and CO ₂ Storage in CO ₂ Immiscible Flooding Within a Saturated Reservoir Meng-Yuan Zhang, China University of Petroleum (East China)

9:45-10:00	<p>IFEDC202416832</p> <p>Application of Saline Aquifer Seismic Identification Method of Ccs in Eastern Junggar Basin</p> <p>Yun-Jie Dai, Research Institute Urumqi Branch of BGP Inc., CNPC</p>
10:00-10:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
10:30-10:45	<p>IFEDC202416807</p> <p>Investigating The Growth Process of CH₄ Hydrate Using Molecular Dynamics Simulation Above Water Freezing Point</p> <p>Xian-Wu Jing, Research Institute of Natural Gas Technology</p>
10:45-11:00	<p>IFEDC202416490</p> <p>Application of Geophysical Logging Data To CCUS Demonstration Project in Ordos Basin</p> <p>Jin Li, Tianjin Branch, China National Logging Corporation</p>
11:00-11:15	<p>IFEDC202417371</p> <p>Hydrate Risk Analysis of Offshore High CO₂ Content Water Alternated Gas Injection Wellbore</p> <p>Tong-Chun Hao, Drilling and Production Technology Research Dept. Cnooc Research Institute Co., Ltd.</p>
11:15-11:30	<p>IFEDC202415999</p> <p>Application Evaluation of Distributed Optical Fiber Logging Technology in Carbon Dioxide Injection Wells</p> <p>Jing Ma, PetroChina Logging Co., Ltd., Liaohe Branch</p>
11:30-11:45	<p>IFEDC202417996</p> <p>Experimental and Simulation Study on Carbon Dioxide-Assisted Gravity Drainage Process With Full Diameter Conglomerate Core</p> <p>Kai Li, Research Institute of Experimental Detection, Xinjiang Oilfield Branch of PetroChina</p>
11:45-12:00	<p>IFEDC202416635</p> <p>Numerical Investigation on CO₂ Sequestration With Enhanced Gas Recovery in Tight Gas Reservoirs - A Case Study of Linxing-Shenfu Gas Field</p> <p>Da-Ye Wang, Cnooc Research Institute Co., Ltd.</p>
12:00-14:00	<p>Buffet Lunch and Break</p>

Session 14

LongFeng Hall, 3F

Gas Storage Facility Construction and Operation Management

Co-organized by: SINOPEC Petroleum Exploration and Production Research Institute

Convener : Da-qian Zeng, SINOPEC Petroleum Exploration and Production Research Institute, Chief Expert

Date: 12-13 September, 2024

12 September 2024 (p.m.)	
Host: Da-Qian Zeng, Chief Scientist in Oil and Gas Development, SINOPEC Group Corporation Ping Yue, Southwest Petroleum University, Professor	
14:00-14:20	IFEDC Key Technology and Application of Complex Reservoir Type Gas Storage Construction Da-Qian Zeng, Chief Scientist of Oil and Gas Development, SINOPEC Group Corporation
14:20-14:40	IFEDC China's Gas Storage Construction Achievements and Development Prospects De-Wen Zheng, Chief Expert, PetroChina Exploration and Development Research Institute (Pecri)
14:40-15:00	IFEDC Countermeasures for Different Types of Gas Storage Operation and Reaching Capacity and Production in SINOPEC Guang-Quan Zhang, SINOPEC Petroleum Exploration and Development Research Institute, Expert, Senior Engineer
15:00-15:20	IFEDC Evaluation Method and Application of Dynamic Sealability Evaluation of Gas Storage Faults in Depleted Gas Reservoirs Hai-Jun Mao, Associate Researcher, Wuhan Institute of Geotechnics, Chinese Academy of Sciences, China
15:20-15:40	IFEDC Evaluation Technique of Side-Bottom Water Type Gas Storage Reservoir's Injection and Recovery Capability in Sub-Cycle Zhi-Bao Wang, SINOPEC Zhongyuan Oilfield Branch Company

15:40-16:00	<p>IFEDC202416496</p> <p>Quantitative Evaluation Method for Failure Risk of Wen 23 Gas Storage Well Structure</p> <p>Peng Sun, SINOPEC Research Institute of Petroleum Engineering</p>
16:00-16:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
16:30-16:50	<p>IFEDC202417383</p> <p>Study on The Rule of Cyclic Injection-Production Pore Space Utilization in Reservoir-Type Gas Storage</p> <p>Guang-Liang Gao, PetroChina Jidong Oilfield Company</p>
16:50-17:10	<p>IFEDC202417807</p> <p>Research on Evaluation Techniques for Seasonal Peak Shaving and Selection of Natural Gas Reservoirs in Production</p> <p>Li-Dong Mi, SINOPEC Petroleum Exploration and Production Research Institute</p>
17:10-17:30	<p>IFEDC202415966</p> <p>The Wellbore Integrity Technology of Drilling Engineering in The Liaohe Gas Storage</p> <p>Bo Wang, Liaohe Oilfield (Panjin) Gas Storage Company</p>
17:30-17:45	<p>IFEDC202417363</p> <p>Permanent Production String Conveyed Perforation Technology for Depleted Gas Reservoirs</p> <p>Cai-Hao Lu, Zhongyuan Geosteering & Logging Company, SINOPEC Matrix Corporation</p>
17:45-18:00	<p>IFEDC202417806</p> <p>Practice and Consideration on Evaluation of Gas Injection and Production Capacity of Single Well on Oil and Gas Reservoir Type Gas Storage: A Case of Jidong Oilfield Ugs</p> <p>Zhi-Bin Yang, PetroChina Jidong Oilfield Company</p>
18:30-20:30	<p>Excellent Paper Award Ceremony (Golden Chang'an Hall, 2F)</p>
<p>13 September 2024 (a.m.)</p>	
<p>Host:</p> <p>De-Wen Zheng, PetroChina E&P Research Institute, Chief Expert</p> <p>Hai-Jun Mao, Wuhan Institute of Geotechnical Mechanics, Associate Researcher</p>	
8:30-8:45	<p>IFEDC202416189</p> <p>Study on The Regular of Distribution of Corrosion Inhibitors in Oil and Gas Type Gas Storage - Taking S Gas Storage As An Example</p> <p>Jian-Hua Huang, CNPC Liaohe Oilfield (Panjin) Gas Storage Co.</p>

8:45-9:00	<p>IFEDC202417373</p> <p>Research on The Optimization of Gas Injection and Production in The Shallowest Sandstone Gas Storage in China</p> <p>Chang-Hao Wang, Development Division of Daqing Oilfield Company</p>
9:00-9:15	<p>IFEDC202416878</p> <p>Abstract-Prediction of Natural Gas Storage Characteristics of Yong21 Gas Storage Based on Microgravity Monitoring Technology</p> <p>Tao Guo, Exploration and Development Research Institute of Shengli Oilfield Company, SINOPEC</p>
9:15-9:30	<p>IFEDC202417168</p> <p>Research and Application of Optimised Adjustment of Gas Storage Injection and Recovery in S Reservoirs</p> <p>Gang Luo, Senior Engineer, PetroChina Liaohe Oilfield (Panjin) Gas Storage Co.</p>
9:30-9:40	<p>IFEDC202418044</p> <p>Optimal selection of storage capacity model and numerical simulation prediction method for peak shaving capacity of water flooded oil and gas reservoirs in the later stage of development</p> <p>Jun-Chang Sun , Northeast Petroleum University, Associate Professor</p>
9:40-9:50	<p>IFEDC202417243</p> <p>Application of Seismic Waveform Indication Inversion in M Gas Storage</p> <p>Wei-Yi Zhang, Liaohe Oilfield</p>
9:50-10:00	<p>IFEDC202417908</p> <p>Evaluation of Effective Storage Space for Volatile Reservoir Based on Laboratory</p> <p>Hai-Yan He, PetroChina Jidong Oilfield Company</p>
10:00-10:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
10:30-10:45	<p>IFEDC202417056</p> <p>Research and Application of Key Techniques of High-Precision 3D Seismic Exploration for Gas Storage</p> <p>Hua-Hui Zeng, Research Institute of Petroleum Exploration & Development-Northwest(Nwgi), PetroChina</p>
10:45-11:00	<p>IFEDC202417289</p> <p>Seal Evolution and Numerical Simulation of Injection and Production Operations of Compressed Air Energy Storage in Depleted Gas Reservoir</p> <p>Kun Dai, China National Petroleum Corporation Engineering & Technology Research Institute Co.</p>

11:00-11:15	<p>IFEDC202417938</p> <p>Gas Well Durability and Remaining Life Calculations for Gas Storage Applicationsin</p> <p>Chuan-Jiang He, Institute of Oil and Gas Production Technology, Dina Oil and Gas Management Area, Tarim Oilfield Branch Company</p>
11:15-11:30	<p>IFEDC202416371</p> <p>Research on Fault Sealing Evaluation of Water Flooded Depleted Gas Reservoir Reconstruction for Underground Gas Storage Taking The Y21 Underground Gas Storage in Dongying Depression As An Example</p> <p>Yue-Wei Jia, SINOPEC Petroleum Exploration and Production Research Institute</p>
11:30-11:45	<p>IFEDC202417003</p> <p>Modeling Technology and Application of Depleted Gas Reservoir Type Gas Storage</p> <p>Jian Lu, Exploration and Development Research Institute of Daqing Oilfield</p>
11:45-12:00	<p>IFEDC202417784</p> <p>Sand Production Analysis and Sand Control Technology Research of Loose Sandstone Underground Gas Storage</p> <p>Yi-Ming Hu, Gas Storage Construction Project Department of Jidong Oilfield</p>
12:00-14:00	<p>Buffet Lunch and Break</p>
<p>13 September 2024 (p.m.)</p>	
<p>Host:</p> <p>Guang-Quan Zhang , SINOPEC Petroleum Exploration and Development Research Institute, Expert, Senior Engineer</p> <p>Zhi-bao Wang , Exploration and Development Research Institute of Sinopec Zhongyuan Oilfield Branch, Technical Expert</p>	
14:00-14:20	<p>IFEDC202416781</p> <p>Nonlinear Lamb Wave Detection Technology of Corrosion Depth of Tank Floor</p> <p>Wen-Wu Wang, PetroChina Changqing Oilfield Company</p>
14:20-14:40	<p>IFEDC202416573</p> <p>The Research on Speed Sensitive of Strong Injection and Production of Multiple Turn in Sandstone Type Gas Storage</p> <p>Guo-Hui Zhang, Exploration and Development Research Institute of PetroChina Jidong Oilfield Branch</p>
14:40-15:00	<p>IFEDC202416473</p> <p>Analysis of Corrosion Monitoring and Wellbore Test of Salt Cavern Gas</p> <p>Zhong-Xin Ren, National Oil and Gas Pipeline Network Group</p>

15:00-15:15	<p>IFEDC202416518</p> <p>Molecular Insights Into Hydrogen Adsorption Behavior and Loss Mechanism in Water-Bearing Shale Composite Nanopores</p> <p>Qiu-Ju Chen, College of Energy, Chengdu University of Technology, Chengdu</p>
15:15-15:30	<p>IFEDC202416448</p> <p>Numerical Simulation Study on The Construction of Underground Gas Storage From Depleted Oil Reservoirs With High Water-Cut</p> <p>Chun-Hua Lu, Petroleum Exploration and Production Research Institute</p>
15:30-15:45	<p>IFEDC202417155</p> <p>Exploration of Ground Safety Technology for Offshore Gas Storage</p> <p>Yong Wang, PetroChina Jidong Oilfield Company</p>
15:45-16:00	<p>IFEDC</p> <p>Prediction Study of Sand Release From Gas Reservoir Type Reservoirs Under Injection and Recovery Conditions</p> <p>Bo-Rui Li, Northeast Petroleum University</p>
16:00-16:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
16:30-16:45	<p>IFEDC202416482</p> <p>Research on Dynamic Sealing Ability of Underground Gas Storage Cap Rocks After Damage</p> <p>Si-Nan Zhu, SINOPEC Petroleum Exploration and Production Research Institute</p>
16:45-17:00	<p>IFEDC202416261</p> <p>Flow Behaviors of Fractured-Vuggy Ugss During Multi-Cycle High-Rate Injection and Production</p> <p>Jing-Jing Guo, Southwest Petroleum University</p>
17:00-17:15	<p>IFEDC</p> <p>New Trend of Gas Storage Site Changes in China and Development Suggestions</p> <p>Chun Li, PetroChina Exploration and Development Research Institute</p>
17:15-17:30	<p>IFEDC202418237</p> <p>Physical Simulation of Rebuilding Underground Gas Storage in Ultra-High Water Cut Reservoir</p> <p>Bai-He Ren, China University of Petroleum (East China)</p>
18:30-20:30	<p>Buffet Dinner</p>

Session 15

RongHua Hall, 2F

Artificial Intelligence and Big Data Application in Oil & Gas Fields

Co-organized by: Research Institute of Petroleum Exploration and Development-Northwest, PetroChina

Convener: Wu-Yang Yang, Research Institute of Petroleum Exploration and Development-Northwest, PetroChina, Senior Engineer

Date: 12-14 September, 2024

12 September 2024 (p.m.)	
Host:	
Wu-Yang Yang, China Petroleum Exploration and Development Research Institute, Northwest Branch, Professorate Senior Engineer	
Hong-Liang Wang, China National Petroleum Exploration and Development Research Institute, Senior Engineer	
14:00-14:20	IFEDC Key Technologies and Methods of Intelligent Data Analysis Wu-Yang Yang, Northwest Branch of China National Petroleum Exploration and Development Research Institute, Professorial Senior Engineer
14:20-14:40	IFEDC Exploration and Thoughts on 3D Oil and Gas Geophysical Large Models Guang-Min Hu, School of Resources and Environment, University of Electronic Science and Technology, Professor and Dean,
14:40-15:00	IFEDC202417999 Bohai Bay Basin and Mesozoic Reservoir Regime Fahad Mansoor, China University of Petroleum Beijing, Master's Student
15:00-15:15	IFEDC202416983 Construction Scheme and Practice for The Production Network of Oil and Gas Production Internet of Things Systems Gang Yao, Research Institute of Petroleum Exploration and Development-Northwest, PetroChina, Senior Engineer
15:15-15:30	IFEDC202417343 Evaluation of The Implementation Effect of The Internet of Things Construction for Oil and Gas Production in Liaohe Oilfield Chuang Li, Economic and Technical Research Institute of PetroChina Liaohe Oilfield Branch



15:30-15:45	IFEDC202417433 Intelligent Reservoir Dynamic Research and Decision-Making System Construction and Application Yong-Ling Zou, Exploration and Development Research Institute of PetroChina Changqing Oilfield
15:45-16:00	IFEDC202416138 Research on Fault Analysis and Intelligent Diagnosis of Drilling Pump Deng Jia, CNPC Engineering Technology R&D Company Limited
16:00-16:30	Coffee Break and E-Poster Seminars for Sharing
16:30-16:45	IFEDC202417109 Research on Intelligent Identification and Accurate Positioning of Tool Joint Based on Multi-Camera Perception Information Fusion Shu-Sen Wang, Beijing Petroleum Machinery Co., Ltd
16:45-17:00	IFEDC202417998 From Tension To Strategy: A Game Theory Analysis of Oil Market Shakira Ejaz, China University of Petroleum Beijing, Phd Management Science and Engineering
17:00-17:15	IFEDC202417705 Lidar Point Cloud Data Application and Error Analysis in The Field of Oil and Gas Exploration Zhi-Hong Bai, BGP
17:15-17:30	IFEDC202417590 Progress and Outlook of Artificial Intelligence Technology in Oil and Gas Exploration and Development Hong-liang Wang, Research Institute of Petroleum Exploration & Development, PetroChina Company Limited
17:30-17:45	IFEDC202417703 Research and Application of Outlier Analysis in Data Governance of Oil and Gas Exploration and Development Xi-Zhu Guan, CNOOC Research Institute Ltd
17:45-18:00	IFEDC202417572 Intelligent Fusion of Seismic Attributes To Sand Prediction Based on Reducing Surrounding Rock Interference Ling-Ling Dan, CNOOC Energy Technology-Drilling & Production Company
18:30-20:30	Excellent Paper Award Ceremony (Golden Chang'an Hall, 2F)



13 September 2024 (a.m.)

Host:

Wen-Chao Chen, Xi'an Jiaotong University, Professor

Hai-Li Wu, China Petroleum Exploration and Development Research Institute Northwest Branch, Senior Engineer

8:30-8:50	IFEDC Weakly Supervised Learning-Based Information Improvement Resolution Method Wen-Chao Chen, Xi'an Jiaotong University, Professor
8:50-9:10	IFEDC Key Technologies and Advances in Internet of Things for Oil and Gas Production Hai-Li Wu, Northwest Branch of China National Petroleum Exploration and Development Research Institute, Senior Engineer,
9:10-9:30	IFEDC Research on Key Technologies of Cloud Native Seismic Intelligent Interpretation Software System Xing-Jian Wei, China Petroleum Exploration and Development Research Institute, Northwest Branch, Senior Engineer
9:30-9:45	IFEDC202417485 Influencing factors and prediction method of shale oil production capacity based on machine learning Yu-Ting Wu, China University of Petroleum(Beijing),College of information Science and Engineering / College of Artificial Intelligence
9:45-10:00	IFEDC202417285 An End-To-End Optimal Well Placement Prediction Method for Oil Reservoirs Ji Qi, Exploration and Development Research Institute, SINOPEC Shengli Oilfield Company
10:00-10:30	Coffee Break and E-Poster Seminars for Sharing
10:30-10:45	IFEDC202417298 Prediction of Fracturing Effect in Shale Gas Wells Based on Ensemble Learning Xia Lin, PetroChina Research Institute of Petroleum Exploration and Development
10:45-11:00	IFEDC202416109 Prediction Method for Hydraulic Fracturing Effect of Production Wells Based on Feature Optimization and Machine Learning Methods Ming Zhao, Daqing Oil Production Technology Research Institute



11:00-11:15	<p>IFEDC202416760</p> <p>Study on Fine-Tuning Optimization Method of Water Injection Based on Streamline Numerical Simulation</p> <p>Jia-Chun Wang, Remaining Oil Exploration Technical Service Project Team of Daqing, Drilling&Exploration Engineering Company</p>
11:15-11:30	<p>IFEDC202417391</p> <p>Design and Implementation of a Web-Based Data Connector for Seismic</p> <p>Wei Shi, Research & Development Center, BGP Inc., CNPC</p>
11:30-11:40	<p>IFEDC202418031</p> <p>Integrated and Comprehensive Evaluation of Reservoir-Wellbore-Artificial Lift Based on Big Data Analysis</p> <p>Cheng Cheng, China University of Petroleum (East China)</p>
11:40-11:50	<p>IFEDC202417665</p> <p>Research on Production Prediction and Oil Increase Strategy of Loose Sandstone Oilfield Based on Multidimensional Factor Fusion and Km-Lle-Xgboost Algorithm</p> <p>He Bao, CNOOC</p>
11:50-12:00	<p>IFEDC202417893</p> <p>Exploiting Big Data for Improving The Efficiency of Wells Workovers</p> <p>Elizaveta Gladchenko, Skolkovo Institute of Science and Technology, Ph.d Student</p>
12:00-14:00	<p>Buffet Lunch and Break</p>
<p>13 September 2024 (p.m.)</p>	
<p>Host: Hong'en, Dou, PetroChina Research Institute of Petroleum Exploration and Development, Professorate Senior Engineer Nai-Hao Liu, Xi'an Jiaotong University, Professor</p>	
14:00-14:15	<p>IFEDC</p> <p>Intelligent Sparse Time-Frequency Analysis and Reservoir Interpretation of Seismic Data</p> <p>Nai-Hao Liu, Xi'an Jiaotong University, Associate Professor</p>
14:15-14:30	<p>IFEDC202417224</p> <p>The Deep Integration and Application of Wireless Communication Technologies in The Construction of Oilfield Iot</p> <p>Meng Luo, Fengcheng Oilfield Operation Area, Xinjiang Oilfield Company, Petro China</p>

14:30-14:45	<p>IFEDC202418090</p> <p>Research on The Prediction and Application of Abnormal Formation Pressure Based on Logging Data While Drilling</p> <p>Feng-Tao Qu, China University of Petroleum (East China)</p>
14:45-15:00	<p>IFEDC202417159</p> <p>A Dynamic Characterization Method for Horizontal Wells Based on The Gated Recurrent Unit: A Case Study of a Carbonate Reservoir in The Middle East</p> <p>Han Zhang, Research Institute of Petroleum Exploration and Development, Petro China</p>
15:00-15:15	<p>IFEDC202417054</p> <p>New Insights Into The Primary Controlling Factors of Acid Fracturing Effects in Ultra-Deep Carbonate Rocks Reservoirs Using Ai</p> <p>Si-Qi Wang, CNPC Engineering Technology R&D Company Limited</p>
15:15-15:30	<p>IFEDC202417793</p> <p>Prediction of Favorable Zone for Conventional Hydrocarbon Accumulation Based on Rusboost Machine Learning Method: A Case Study of Liuzan Structural Belt in Nanpu Sag</p> <p>Si-Jia Zhang, China University of Petroleum (Beijing)</p>
15:30-15:45	<p>IFEDC202417621</p> <p>Intelligent Optimization Technology for The Location of Shale Oil Horizontal Wells Based on Genetic Algorithms</p> <p>Ning Li, Research Institute of Petroleum Exploration & Development</p>
15:45-16:00	<p>IFEDC202417002</p> <p>The Application of Geoeast Intelligent Interpretation Technology in The Predicting Channel Sand Reservoirs in The Faulted Basins: A Case Study of The Qingyuan Structural Belt in The Baoding Depression</p> <p>Kun Zhao, BGP Geological Research Center</p>
16:00-16:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>
16:30-16:40	<p>IFEDC202416967</p> <p>A New Approach To Geoengineering Integration Research Based on Digital Technology</p> <p>Zheng Liu, Kunlun Digital Technology Co., Ltd.</p>

16:40-16:50	<p>IFEDC202416260</p> <p>A Mechanism for Tracing Oilfield Problems Based on Semantic Analysis</p> <p>Zhu-Jun Liu, Technology Text Center of Shengli Oilfield, Post Ph.D.</p>
16:50-17:00	<p>IFEDC202416796</p> <p>Preliminary Study on The Application of Large Language Models in The E&P Industry By Integrating Retrieval-Augmented Generation and Fine-Tuning Techniques</p> <p>Wen-Kuang Wu, Research Institute of Petroleum Exploration and Development</p>
17:00-17:10	<p>IFEDC202417209</p> <p>Study on An Intelligent Flow Pattern Recognition Model for Foam Drainage of Wet Gas Pipeline</p> <p>Pan Zhang, Technical Inspection Center, SINOPEC Shengli Oilfield Company</p>
17:10-17:20	<p>IFEDC202416543</p> <p>Elaboration of Integrated Artificially Intelligent Engineering System (Iaies) From Concept To Implementation Plan</p> <p>Hamed Z. Qadim, Nargan Amitis Energy Development Co.</p>
17:20-17:30	<p>IFEDC202416598</p> <p>Research on Categorization of Short Textual Descriptions for Issues Identified in Oil Field Inspections</p> <p>Xue-Song Su, Postdoctoral Scientific Research Workstation of Shengli Oilfield Company</p>
17:30-17:40	<p>IFEDC202418108</p> <p>Cementing Quality Evaluation Using U-Net</p> <p>Zhen Liang, College of Geophysics, China University of Petroleum, China</p>
17:40-17:50	<p>IFEDC202417924</p> <p>Application of Automatic Pigging Technology in Tight Gas Field Pipeline Network</p> <p>Xiao-Gang Chen, Changqing Engineering Design Limited</p>
17:50-18:00	<p>IFEDC202417098</p> <p>Development of Dynamic Automatic Optimization Technology Based on Particle Swarm Optimization Algorithm</p> <p>Zhen-Tao Zhang, Shengli Oilfield Company, SINOPEC</p>
18:30-20:30	<p>Buffet Dinner</p>

14 September 2024 (a.m.)

Host:

Xin-Jian Wei, Northwest Branch of China Petroleum Exploration and Development Research Institute

Hua-Hui Zeng, Northwest Branch of China Petroleum Exploration and Development Research Institute

8:30-8:45	<p>IFEDC202416314</p> <p>Intelligent Technology and Application of Injection Production Adjustment in Daqing Oilfield</p> <p>Cheng-Xiang Wang, Research Institute of Exploration and Development, Daqing Oilfield Co., Ltd.</p>
8:45-9:00	<p>IFEDC202417636</p> <p>Evaluation Method of Fracturing Temporary Plugging Effectiveness Based on Treatment Pressure Fitting-Prediction</p> <p>Zi-Yi Peng, School of Computer Science and Software Engineering, Southwest Petroleum University</p>
9:00-9:15	<p>IFEDC202418231</p> <p>Upstream Oil & Gas Data Management Trends: Challenges and Potential Solutions</p> <p>Ankit Goyal, HCLTech, Principal Consultant</p>
9:15-9:30	<p>IFEDC202417766</p> <p>Research and application of production data governance technology for oil and gas production units</p> <p>Xiao-Feng Guo, BaiKouQuan Oil Production Plant of PetroChina Xinjiang Oilfield Company</p>
9:30-9:45	<p>IFEDC202418206</p> <p>Innovative Methods of Reservoir Flow Modeling and Optimization of Complicated Well Stock in Mature Fields of Western Siberia</p> <p>Kiyan Artem, Oil and Gas Productiontools, Project Manager</p>
9:45-10:00	<p>IFEDC202416137</p> <p>Research on Measures Effect Prediction Method Based on Collaborative Filtering Algorithm</p> <p>Ya-Hui Bu, Research Institute of Exploration and Development, Shengli Oilfield of SINOPEC</p>
10:00-10:30	<p>Coffee Break and E-Poster Seminars for Sharing</p>



10:30-10:45	IFEDC202416035 Implementation of Ai Platform for Oil&Gas Exploration and Development Xia Lin, Research Institute of Petroleum Exploration
10:45-11:00	IFEDC202416060 Research on Multivariate Time Series Tight Gas Production Forecasting Based on Xgboost Regression Bao-Sheng Jiang, Cnooc Research Institute Ltd.
11:00-11:15	IFEDC202417866 A Method for Constructing Large-Scale Oil and Gas Exploration and Development Corpus Based on Large Models Xu-Chao Gong, Information Technology Service Center of SINOPEC Shengli Petroleum Management Bureau
11:15-11:30	IFEDC202417156 Construction and Application of Quality Supervision System for Exploration and Development Data of Jidong Oil Fields Jin-Tai Xing, Technology Information Department of Jidong Oilfield Company
11:30-11:45	IFEDC202415926 Application of Wireless Self-Organizing Network Technology in High Reliable Transmission of Oilfield Production Data De-Zhong Ma, Jiqing Oilfield Operation Area, Xinjiang Oilfield
11:45-12:00	IFEDC202416202 Machine Learning-Based Prediction of Dew Point Pressure in Condensate Gas Reservoirs Ze-Kun Guo, PetroChina Tarim Oil Field Company Exploration and Development Research Institute
12:00-14:00	Buffet Lunch and Break

E-poster Seminars for Sharing

Display Screen No.1

Basic Geological Theory of Oil & Gas Exploration and Development

Geophysical Exploration Technology

IFEDC202417228 Analysis on the Main Controlling Factors and Accumulation Models of Shale Oil in Fengcheng Formation, Wuxia Fault Zone, Northwest Margin of Junggar Basin Su-Tian Wang, Research Institute of Oilfield Geology, Fengcheng Oilfield, Xinjiang Oilfield Company, Petrochina
IFEDC202417085 Paleoclimate Reconstruction and Palynofacies Organic Maturity Research of the Tongbomiao Formation in the Hongqi Sag, Hailar Basin, Ne China Yan Zhang, Jilin Uninersity
IFEDC202416928 Mud Gas Isotope Logging Application For Sweet Pot Identification and Natural Gas Exploration Potential Analysis: A Case Study From Well Ahhw2085, Mahu Sag, Junggar Basin, Northwest China Yu-Xiao Lu, CNPC Xdec Geological Research Institute
IFEDC202417256 Gravity and Magnetic Identification Technology For Strike-Slip Faults and Its Application in Oil and Gas Exploration Da-Bing Yang, BGP Inc., China National Petroleum Corporation
IFEDC202416844 The Influence of Clay Minerals on the Cracking Products of Crude Oil Qing-Hua Fan, Exploitation and Development Research Institute, Petrochina Daqing Oilfield Company
IFEDC202416282 Structural Characteristics and Differences in Oil and Gas Distribution of the Eastern and Southern Margins of the Pre-Caspian Basin in Late Paleozoic Xue-Ke Wang, Research Institute of Petroleum Exploration and Development
IFEDC202416872 3D Forward Modeling and Geometry Imaging Analysis Rui Gao, Acquisition Technology Institute



IFEDC202416174 Pore Structure Characteristics and Influencing Factors of Lower Wuerhe Formation Sandstone Conglomerate Reservoir in Mabei Area, Junggar Basin Cong Wang, China University of Petroleum (Beijing) Karamay Campus
IFEDC202416084 Application of Fine Evaluation Method For Complex Source Rocks in the Changling Fault Depression of Songnan Ke-Ning Lu, the Exploration and Development Research Institute of Jilin Oilfield Company
IFEDC202415945 The Pore Structure of Shale Is Characterized By Full Aperture Xin-Wen Zhao, Research Institute of Exploration and Development, Petrochina Daqing Oilfield Company
IFEDC202418184 Characteristics and Genetic Mechanism of Dolomites in the Middle Permian Maokou Formation in Southeastern Sichuan Basin Yue-Qing Han, Petroleum Exploration and Production Research Institute
IFEDC202416820 Land Based Multiple Wave Identification and Combined Suppression Technology Based on Full Wave Field Forward Modeling Shu-Rui Zhang, BGP
IFEDC202418174 The Application of Whole Petroleum System Evaluation and Implications For Conventional, Tight, and Shale Resources: Zhuyi Depression, Pearl River Mouth Basin, South China Sea Zhi Xu, China University of Petroleum (Beijing)
IFEDC202418084 Lacustrine Delta Regional Clinoforms and Evolution in the Yanchang Formation, Ordos Basin, China Jian-Bo Hu, School of Earth Resources
IFEDC202417971 Sedimentary Characteristics and Main Controlling Factors of Shallow-Water Braided Delta System: a Case Study of the P Oilfield, Miaoxi Depression, Bohai Bay Basin, China Ming-Xuan Gao, Tianjin Branch of Cnooc Ltd. Bohai Petroleum Research Institute
IFEDC202417756 Gas-Bearing Characteristics and Controlling Factors of Deep Shales in the South Sichuan Area of the Sichuan Basin-Taking the Deep Shales of the Lower Silurian Longmaxi Formation in the Weirong Area As An Example Xuan-Cui Xin, College of Geosciences, China University of Petroleum

IFEDC202417740 Characteristics and Origin of the Middle -Lower Cambrian Dolostone Reservoir in the Tarim Basin, Nw China Kai Shang, Northwest Branch Company, SINOPEC
IFEDC202416939 Genesis Mechanism of Non-Stratified Siliceous Formation At the Late Permian and Its Control on the Evolution of Ancient Marine Organic Matter: A Case Study From Chaohu Area, South China Hai-Qiang Song, College of Petroleum Engineering, China University of Petroleum (Beijing)
IFEDC202416877 High-Precision Cycle Identification and Classification Based on Milankovitch Theory: A Case Study of the Lower Cretaceous in Well Sm-1, Shawan Sag, Junggar Basin Yong-Ping Ma, Petrochina Company Limited, Research Institute of Petroleum Exploration and Development Northwest Branch
IFEDC202416817 Relationship Between Multi-Field Coupling and Hydrocarbon Occurrence in Shale Formation in Boxing Sag, Jiyang Depression Xin Wang, Research Institute of Petroleum Exploration and Development, SINOPEC Shengli Oilfield Company
IFEDC202417390 Analysis of the Accuracy of Uav Aerial Photography Based on Efficient Acquisition Application in Seismic Exploration Jian-Feng Dang, Liaohe Geophysical Exploration Company Branch of BGP CNPC
IFEDC202416384 Chemical Characteristics of Ordovician Formation Water and Its Relationship With Hydrocarbon Accumulation in Tazhong Area Tong Xu, Research Institute of Petroleum Exploration and Development
IFEDC202416456 Innovation and Application of Optimal Wellbore Trajectory Deployment Method For Discontinuous Carbonate Rocks Zi-Wei Qian, Tarim Oilfield Exploration and Development Research Institute
IFEDC202416571 Application of High Precision Reservoir Prediction Methods in the Development of Ultra-Low Permeability Reservoirs Jun-Ru Liu, Geophysical Research Institute.BGP.CNPC
IFEDC202416095 The Influence of Sedimentary Diagenetic Evolution on Gas Bearing Properties of "Deep Thin" Tight Sandstone Reservoirs Taking the Upper Paleozoic Mountain Section 1 in the Longdong Area of the Ordos Basin As An Example Jiang-Jun Cao, Research Institute of Exploration and Development, Petrochina Changqing Oilfield Company



IFEDC202416735 Study on Differential Reservoir Formation Mechanism of Lower Paleozoic Carbonate Buried Hills in Jiyang Depression, Bohai Bay Basin Shuai Ma, Exploration and Development Research Institute, Shengli Oilfield Company, SINOPEC
IFEDC202416268 Effect Analysis of Excitation Energy and Frequency Based on Loess Plateau Zhen-Yu Wang, BGP.Chang Qing Geophysical Branch
IFEDC202418195 Research on Optimal Design and Application of Geometry Based on Gaussian Beam Illumination Xin-Ning Li, Research Institute of Exploration and Development, Petrochina Tuha Oilfield Company
IFEDC202418190 Application of High-Resolution Processing Technology in the Loess Tableland Area of Ordos Basin Yi Wang, SINOPEC Geophysical Research Institute Co., Ltd.
IFEDC202416613 Application and Prospect of Geophysical Exploration Technology in Offshore CCUS Project Jing-Jing Yan, BGP Offshore
IFEDC202417713 Study on the Avo Response of Tight Sandstone Gas —— Take Shaximiao Formation in Sichuan Basin As An Example Xue-Wei Chen, Chang'an University
IFEDC202416741 Hydrocarbon Accumulation Factor and Model of Deep Glutenite in Near-Source System in Dongying Sag Shu-Wei Mao, Research Institute of Petroleum Exploration and Development, SINOPEC Shengli Oilfield Company
IFEDC202416948 Research Analysis on Uav Inspection Method of Geophysical Points and Its Application Zhi-Yong Sheng, Equipment Center of Daqing Geophysical Exploration Branch., BGP Inc., CNPC
IFEDC202416633 Gravity Anomalies and Structural Characteristics of the More Basin Hong-Chuan Hu, School of Earth Science and Engineering
IFEDC202416230 Application of Enhanced Fault Likelihood Attribute To Tezhen Prediction in Sa105 Well Area Gui-Li Zhong, Urumqi Branch, Gri, BGP, CNPC



IFEDC202418002 Increasing the Efficiency of Marine Electrical Prospecting Through Two-Criteria Identification of Hydrocarbon Deposits Marina G. Persova, Novosibirsk State Technical University, Professor
IFEDC202416040 Comprehensive Characterization of the Archean Fractured Buried Hill Reservoir in Damintun Yi-Ping Wu, Research Institute of Exploration and Development, PetroChina Liaohe Oilfield Branch Office
IFEDC202415972 The Application of More Energy & Small Outline Vibrator in Oil and Gas Exploration Hong-Wei Ma, the Equipment Service Department of BGPinc., CNPC
IFEDC202416435 Vsp Survey Method of Thick Gravel Layer in Southern Junggar Basin Zhi-Dong Cai, Optical Science and Technology (Chengdu) Ltd. CNPC, Chengdu
IFEDC202416167 Exploration of High-Density Secondary 3D Seismic Acquisition in the Complex Mountainous Area of Yingxiongling Chun-Rui Han, Dongfang Company Qinghai Geophysical Prospecting Branch
IFEDC202414649 Classification and Prediction of Permian Maokou Formation Dolomite Reservoir in Sichuan Basin Yao Lu, BGP Geological Research Center
IFEDC202416309 Research on Seismic Data Regularization and Its Application in Least-Squares Reverse Time Migration Yue Zheng, Research Institute of Petroleum Exploration and Development, CNPC
IFEDC202416325 Exploration and Application of Progressive Reservoir Prediction Method in Thin Lithologic Reservoir Shi-Quan Zhao, BGP, CNPC

Display Screen No.2

Geophysical Well Logging

Fine Reservoir Description

Dynamic Reservoir Monitoring

IFEDC202417263 Research on Calculation Method of Lost Gas Based on Shale Nuclear Magnetic Resonance and Simulated Desorption He-Song Su, China Nation Logging Corporation Geology Research Institute
IFEDC202416697 Study on Fluid Identification of Carboniferous Igneous Rocks in Chunfeng Oilfield Yu-Jiao Han, SINOPEC Research Institute of Petroleum Engineering Co., Ltd.
IFEDC202416681 Analyses on Electrical Main Controlling Factors and Water Saturation Calculation in Tight Sandstone Gas Reservoir Zhong-Kui Liang, School of Earth Sciences, Northeast Petroleum University
IFEDC202415952 High Resolution Resistivity Processing Method and Application For Thin Interbedded Reservoirs in Daqing Oilfield Ji-Wei Ding, Exploration and Development Research Institute of Daqing Oilfield Co., Ltd
IFEDC202416361 Using Logging Data To Predict the Productivity of Deep Heavy Oil Reservoirs Zhi-Hong Ye, Tuha Branch, China National Logging Corporation
IFEDC202416075 Miscellaneous Research on Igneous Rock Logging in Fushan Depression Dong Pan, Geological Research Institute, China National Logging Corporation
IFEDC202416453 Analysis of Genesis and Fluid Identification Method of Low Saturation Oil Formation in Jiudong Area Chun Wu, Petro China Group Logging Company Limited Tuha Branch



IFEDC202415907 Logging Evaluation of the Fracturability in Tight Carbonate Reservoirs Hu-Lin Niu, International Company of China Petroleum Logging Company
IFEDC202418142 Evaluation of Production Capacity and Influencing Factors of Lower Paleozoic Gas Wells in Sulige Gas Field Peng-Cheng Ji, Changqing Oilfield Gas Production Plant No. 4
IFEDC202418061 Analysis and Quantitative Characterization of the Potential For Improving Oil Recovery By Water Injection in Yanchang Low Permeability Oilfield Fen-Zhuan Guo, Research Institute of Yanchang Petroleum (Group)Co.Ltd
IFEDC202418009 Application of Seismic Waveform Indication Inversion Technology in Water Sensitive Reservoir of Sa-0 Formation Dong-Mei Cai, Exploration and Development Research Institute of Daqing Oilfield Company Ltd
IFEDC202417910 Simulation and Evaluation of Residual Oil in the Yan 9 Oil Reservoir Group in the Wujiaoxi Area of Huaqing Oilfield Meng-Qian Wang, Changqing Oilfield Industrial Group
IFEDC202416898 Logging Identification of Tezhend-Vuggy Carbonate Reservoirs: A Case Study of Nwkk Oilfield in Kazakhstan Guang-Ming Ceng, Exploration and Development Research Institute of Xinjiang Oilfield Company
IFEDC202416805 Study on Remaining Oil Distribution in Meandering River Controlled By Reservoir Configuration and Injection-Production Pattern Wen-Hua Ma, Petrochina Dagang Oilfield Company
IFEDC202416599 Analysis on the Characteristics and Controlling Factors of Karst Reservoirs in the Second Member of Dengying Formation in Penglai Gas Area Lin Zhang, Petrochina Research Institute of Petroleum Exploration and Development
IFEDC202417980 Real Time Rt Yield Estimation During Well Construction Using Moore-Penrose Pseudo Inverse Samba Ba, Slb, Architect



IFEDC202417841 Characterisation of Reservoir Pore Structure in Box 8 Section, Eastern Ordos Basin Kun Fu, Department of Geology, Northwestern University
IFEDC202415884 Study on Permeability Time-Varying Law of Water Drive Reservoir Based on Water Multiple Bai-Yang Zhao, The Fourth Oil Production Plant of Daqing Oilfield Co., Ltd.
IFEDC202415844 Characteristics and Controlling Factors of High Water-Cut Tight Sandstone Reservoirs in the He 8 Shan 1 Stratums in the Maogaitu Area of the Ordos Basin Hao Wang, Chuanqing Drilling Company Drilling Engineering Technology Research Institute
IFEDC202418192 Quantitatively Characterize the Full Pore-Throat Size Distribution and Fluid Mobility of Tight Sandstone Reservoir Quan-Pei Zhang, Zhenhua Petroleum Holdings Co., Ltd
IFEDC202416400 3D Geological Modeling of Strong Heterogeneous Dual-Medium Deep Carbonate Reservoirs: A Case Study of Feixianguan -Changxing Formation on Puguang Reservoir Hui Li, SINOPEC Petroleum Exploration and Production Research Institute
IFEDC202416779 Identification of Fracture Systems Heterogeneous Characteristics in Fractured Low Porous Sandstone Reservoirs Using Well Testing Methods Li Dai, Institute of Petroleum Exploration and Development of Petrochina Trim Oilfield
IFEDC202418026 Application of Iot Technology in Laboratory Intelligent Management Chong Yan, Daqing Oilfield Exploration and Development Research Institute
IFEDC202417662 Development and Application of Online Supervision and Intelligent Management System For Thermochemical Cleaning Operations Tian-Hao Zhang, Baikouquan Oil Extraction Plant, Xinjiang Oilfield Company, Petrochina
IFEDC202417566 Application Technology of Water Drive Annual Comprehensive Adjustment Scheme Preparation System Jia-Ying Du, No.8 Oil Production Plant of Daqing Oilfield Co., Ltd



IFEDC202417418 Drilling Data Synthesis Using Denoising Diffusion Model Xin-Yi Yang, CNPC Engineering Technology R&D Company Limited
IFEDC202417401 Recommended Water Well Measures Based on Information Technology Hong-Tao Peng, Cnooc Energy Development Co.
IFEDC202417294 Study on Cldnn-Based Fault Diagnosis Method For Hydraulic End of Drilling Pump Si-Yuan Hui, Petrochina Research Institute of Petroleum Exploration and Development
IFEDC202416452 Spark: Application and Practice of Big Data-Driven Innovation Engine in Oil and Gas Exploration Lei-Ming Sun, China Oilfield Services Ltd. (Geophysical-Cosl)
IFEDC202416260 A Mechanism Based on Semantic Analysis For Responsibility Tracing of Production Problems in Oilfields Zhu-Jun Liu, Technology Inspection Center of Shengli Oilfield
IFEDC202416136 Research on Fault Analysis and Intelligent Diagnosis of Drilling Rig Winch Xiao-Guan Yang, CNPC Engineering Technology R&D Company Limited
IFEDC202417062 Analysis the Impact of the Carbon Tax on Project Economics in Kazakhstan Zi-Yu Zhang, Research Institute of Petroleum Exploration and Development CNPC
IFEDC202417248 Research on and Application of Data-Driven Water Absorption Profile Prediction Model Wei Liu, Shengli Oilfield E&P Research Institute, SINOPEC

Display Screen No.3

Reservoir Engineering and Management

IFEDC202418179

A Method For Predicting the Development Index of a Polymer Flooding Oilfield Based on Field Practice

Jing-Ming Fan, The Third Oil Production Plant, Daqing Oilfield Company Ltd., Daqing

IFEDC202418134

Current Status and Prospects of Global Deepwater Oil and Gas Development Technology

Chao-Peng Yang, Petrochina Research Institute of Petroleum Exploration & Development

IFEDC202418124

Comprehensive Management of Low Production Wells in Carbonate Reservoir - Taking Nwkk Oilfield As An Example

Wan-Ru Shi, Central Asia Oil and Gas Research Institute of Exploration and Development Research Institute of Xinjiang Oilfield Company

IFEDC202417749

Assessing the Permeability Changes in Surrounding Rock During Wellbore Heating and Cooling Processes Based on the Pressure-Decay Method

Ke-Da Wang, Southwest Petroleum University

IFEDC202417743

Evaluation and Prediction of Drilling Investment Based on Fuzzy Method

Wan-Ting Li, Research Institute of Petroleum Exploration & Amp

IFEDC202417613

Analysis of Well Loss Characteristics and Mechanism in Block A of Qaidam Basin

Xin-Jie Li, Southwest Petroleum University

IFEDC202417306

Microscopic Characteristics and Logging Response of Longmaxi Formation Shale Reservoir in Z205 Well Area

Guo-Xiang Sun, Exploration and Development Reseach Institute of Jilin Sub-Corporation of Petrochina

IFEDC202417257

Research on Adjustment of Injection Production Relationship Based on Fault Location Adjustment

Xin-Ran Wang, Tianjin Branch of Cnooc Ltd.,



IFEDC202417115 Scale Sand Control Completion Technology and Industrial Operation Mode For Well Clusters in Gangxi Oilfield Ya-Di Huo, Research Institute of Petroleum Engineering, Petrochina Dagang Oilfield Company
IFEDC202417105 Risk Analysis and Countermeasure Thoughts on Shale Oil Scale Effective Development Jin Li, Research Institute of Petroleum Exploration and Development
IFEDC202415949 Application of Reservoir Prediction Technology in Tapping the Potential of Remaining Oil Ling-Ling Chen, Geology Institute of Daqing Oilfield Limited Company No.10 Oil Production Plant
IFEDC202418150 Research on the Multi-Layered Three-Dimensional Development Method of Shale Oil With Fan-Shaped Well Pattern Layout Tao Zhang, No. 12 Oil Production Plant, Petrochina Changqing Oilfield Company
IFEDC202417762 Research Status of Viscosity Reducer For Water-Based Drilling Fluid in China Jia-Jiang Zong, Key Laboratory of Unconventional Oil & Gas Development (China University of Petroleum (East China))
IFEDC202417669 Well Completion Challenges and Lessons of Deep and Ultra Deep Well in Southwest China Nai-Yan Zhang, Engineering Technology Research Institute, Petrochina Southwest Oil & Gasfield Company, Chengdu, China
IFEDC202416959 Molecular Dynamics Simulation and Experimental Study of the Effect of Graphene Graft Modification on the Wear Resistance of Nitrile Butadiene Rubber Yu-Jun Zhao, Beijing Petroleum Machinery Co., Ltd
IFEDC202415887 Study on Bed Series and Well Pattern Reconstruction Technology of Multi-Layer Oil Reservoirs During Extra-High Water Cut Stage Wei-Xue Wang, The No.4 Oil Production Plant of Daqing Oilfield
IFEDC202416826 Safe Drilling Technology For Deep Unstable Shale Formations in Jidong Oilfield Xiao-Feng Xu, Petrochina Jidong Oilfield Company Oil Production Technology Research Institute



IFEDC202416813 The Optimization of Factory-Style Well Group Layout and Drilling Parameters in Ecuador's Itt Oil Field Heng Hu, CNPC Chuanqing Drilling Company Drilling Engineering Technology Research Institute
IFEDC202416769 The Development of the 11250kn Top Drive System Fei Cha, Beijing Petroleum Machinery Co.
IFEDC202416619 Experimental Study on Lost Circulation Control of Complex Fracture Formations Based on Reverse Reconstruction Technology Xiao-Yu Zang, School of Petroleum Engineering, China University of Petroleum (East China)
IFEDC202416600 High-Temperature and High-Speed Mud Pulse Transmission System, Principle, Design and Application Wei-Min Mao, CNPC Engineering Technology R&D Company Ltd
IFEDC202416471 Research and Application of Drilling Fluid Technology For Shale Oil Horizontal Wells in Qikou Xia Liu, Petroleum Engineering Research Institute, Petrochina Dagang Oilfield Company
IFEDC202416404 Preparation and Evaluation of Hydrophobically Associating Polyacrylamide Suspension Agent For Oil Well Cement Lei Wu, CNPC Tianjin Bo-Xing Engineering Science &Amp
IFEDC202416120 The Effect of Proppant Performance on Migration and Placement of Proppants in the Fractures Under Different Fracturing Methods Shao-Kai Tong, Changqing Downhole Technology Operation Company, CNPC Chuanqing Drilling Engineering Co., Ltd.
IFEDC202416116 Difficulties and Technical Analysis and Application of Oil Testing in Ultra-Deep Wells With Small Borehole Size in Lx-1 Well Yong-Xu Ma, Chuanxi Drilling Company, CNPC Chuanqing Drilling Engineering Company Limited
IFEDC202415893 Research on Horizontal Wells Drilling and Completion Technology of Large Platform in Unconventional Reservoirs in Jilin Oilfield Lei Gao, Jilin Oilfield Company Drilling Technology Research Institute

IFEDC202415847 Research and Application of High-Temperature Cementing Technology in Qinghai Oilfield Kai Jin, Drilling & Production Technology Research Institute of Petrochina Qinghai Oilfield Company
IFEDC202416030 The Research and Application of Low-Cost, Low Friction, Anti-Water Channeling Cement Slurry Yu-Long Liu, CNPC Chuanqing Drilling Engineering Company Limited
IFEDC202418158 Evaluation of Hydraulic Fracturing Effectiveness in Horizontal Wells Oriented To the Maximum Principal Stress Direction in Shale Oil Reservoirs Bin Yuan, China National Petroleum Corporation, Changqing Oilfield Oil Production Plant 12
IFEDC202418233 Intelligent Completion Strategy in Multi-Layers Well To Control Water and Enhance Oil Production Javed 1A. Khan, Conova, Cto
IFEDC202416947 Preparation and Application of Alkali-Responsive Slow-Release Early-Strengthening Agents Xiao-Hua Li, Tianjin University
IFEDC202416539 Improving the Reliability and Durability of the Cement Stone on the Casing String Eldar Mamed Suleymanov, Azerbaijan State Oil and Industrial University, Professor
IFEDC202416358 New Breakthrough in Testing Gas Reservoirs of Permian Cx Formation in Sichuan Basin At Ps10 Well Yong-Xu Ma, Chuanxi Drilling Company, CNPC Chuanqing Drilling Engineering Company
IFEDC202417739 Prediction of Formation Pressure and Analysis of High Pressure Formation Mechanism in Ordovician in the Middle and Eastern Ordos Basin Cheng Hui, Oil & Gas Technology Research Institute Changqing Oilfield Company, Xi'an, China

Display Screen No.4

Oil & Gas Production Engineering

IFEDC202418172 Study on the Influence of Pre-Injection Sc-CO ₂ on Rock Mechanical Properties of Ultra-Deep Sandstone Reservoir Wan-Li Xing, China University of Petroleum (East China)
IFEDC202417802 Construction of 200°C Aggravated Gelling Acid System and Evaluation of Its Performance Zhi-Xiong Xu, Tarim Oilfield Company of CNPC
IFEDC202417883 Application of CO ₂ -Responsive Modified Starch Gel Two-Stage Plugging System in Oilfield Development Xin-Yan He, China University of Petroleum (East China)
IFEDC202417810 Research and Application of High Temperature Resistant & Low Damage Fracturing Fluid System Xiang-Yun Sui, Petroleum Engineering Research Institute of Petrochina Dagang Oilfield Company
IFEDC202417737 Research on the Method of Selecting Pumping Wells Based on Fuzzy Comprehensive Evaluation Method Xi-Shun Zhang, Research Institute of Petroleum Exploration and Development
IFEDC202417694 Technology Status of Gas Well Plugging and Plugging Removal in Gaomo Block Bo-Jian Zhang, Southwest Oil and Gasfield Company Research Institute of Natural Gas Technology
IFEDC202418137 Experimental Evaluation of Pressure Loss in Different Reservoir Perforations During the Whole Life Cycle and Research on Parameter Optimization Technology Dong-Yu Xue, School of Petroleum Engineering, China University of Petroleum (East China)
IFEDC202417467 Research and Practice on Integrated Technology of Drilling, Sealing, and Gas Lifting in Offshore Oil Fields Yun Lv, Zhanjiang Branch of Cnooc Ltd



IFEDC202417448 Design of Iiot For Real-Time Monitoring and Control of Methanol Injection in Gas Wellheads Mohammed, Southwest Petroleum University
IFEDC202417444 Numerical Evaluation Method For Fracturing Effect of Vertical Well in Low Permeability Reservoir Bo Li, Daqing Yushulin Oilfield of Petrochina Daqing Oilfield Company
IFEDC202417667 Development and Application of Horizontal Drilling and Grinding Test System Jing Huang, Engineering Technology Research Institute of Petrochina Southwest Oil&Gasfield Company.
IFEDC202417416 Study on Improving the Docking Stability of Cable-Controlled Layered Oil Recovery Processes Xing-Liang Song, Daqing Oilfield Production Technology Institute
IFEDC202417314 Research and Application of Water Drive Technology For Improving Flow Control Channels in Fractured Ultra Heavy Oil Reservoirs En-Long Zhen, Yangtze University
IFEDC202417258 Research on Integration Technology of Large-Scale Fracturing and Drainage Gas Recovery of Horizontal Wells in Volcanic Gas Reservoir Pei-Pei Liu, Petrochina Jilin Oilfield Company Oil & Gas Technology Institute
IFEDC202417804 Research and Application of Slick-Water Fracturing Fluid Intight Reservoirs Xiang-Yun Sui, Petroleum Engineering Research Institute of Petrochina Dagang Oilfield Company
IFEDC202417212 The Research and Field Test of CO ₂ Quasi-Dry Fracturing Technology in Strong Water Sensitive Reservoir Cun-Rong Li, Oilfield Production Technology Institute of Daqing Oilfield Limited Company, Daqing , China
IFEDC202417198 Optimization of the Proppant Pumping Schedual in Horizontal Well Fracturing: A Case Study of Tight Gas in Western Sichuan Basin Li Li, Research Institute of Engineering and Technology, Petrochina Southwest Oil and Gas Field Company



IFEDC202417106 Research and Field Application of Carbon Dioxide Composite Fracturing Fluid Jun Wu, Oil Production Technology Research Institute of Jidong Oilfield Company
IFEDC202416999 Research on Methods to Improve Seal Stability of Core Tools For Intelligent Stratified Oil Production Wei Guo, Daqing Oilfield Production Technology Institute
IFEDC202416942 The Key Technology of Unconsolidated Sand Conglomerate Horizontal Well Development in Complex Fault Block Area Qi-Jun Huang, Petrochina Qinghai Oilfield Gas Production Plant No
IFEDC202416932 Particle Flow Simulation of Variable-Rate Fracturing Characters in Tight Reservoir Chang-Heng Li, Oil and Gas Technology Research Institute of Changqing Oilfield Company
IFEDC202416724 An Optimization Method For Fracturing Parameters of Continental Shale Gas Horizontal Wells With Multiple Stages Yan-Xin Zhao, School of Petroleum Engineering, Yangtze University
IFEDC202416719 Research and Application of Horizontal Well Volume Fracturing Technology in Shaximiao Formation Tight Gas Sandstone in Block H Yang Luo, Daqing Oilfield Production Technology Institute , Daqing, Heilongjiang
IFEDC202416714 Research Progress on the Optimization Method of Well Closure Time For Fracturing Backflow in Low-Permeability Oil and Gas Reservoirs Luo Tian, School of Petroleum and Natural Gas Engineering, Liaoning University of Petrochemical Technology
IFEDC202416978 Practice and Application of Volumetric Fracturing Technology For Complex and Compact Multi-Lithology Reservoir in M Basin Ran Guo, Research Institute of Oil Production Engineering of Daqing Oilfield Co Ltd
IFEDC202416669 Research and Application of Electric Submersible Screw Pump Technology on Qingyuan Structural Belt in Baoding Depression of Huabei Oilfield Shi-Tong Wu, Oil and Gas Technology Research Institute of Petrochina Huabei Oilfield Company

IFEDC202416399 Research and Application of High Wax and Low Permeability Reservoir Protection Technology Xiao-Chun Yang, Petroleum Engineering Research Institute of Dagang Oilfield
IFEDC202416398 Research on Temporary Plugging Workover Fluid Technology For Low-Pressure and High Permeability Reservoir Meng-Si Chen, Petroleum Engineering Research Institute of Dagang Oilfield
IFEDC202416233 Research and Application of Ultra-High Salinity Variable Viscosity Fracturing Fluid System Wen-Kai Zhao, Petrochina Qinghai Oilfield Company
IFEDC202416196 Study on the Synergistic Mechanism of Alternating Hot and Cold Huff and Puff in Heavy Oil Reservoir Ming-He Li, China University of Petroleum (East China)
IFEDC202416090 The Plugging- Perforation-Downpump Combined Operation Technology Based on Low-Pressure Pulse Initiation Qiu-Lai Yu, Daqing Well Testing & Perforating Sub-Company
IFEDC202416083 Numerical Simulation Analysis of Pre-Separation Hydrocyclone Used For Downhole Oil-Water Separation Process Chun-Long Sun, Daqing Oilfield Production Technology Institute
IFEDC202416062 Research on the Influence of Downhole Throttling of 2" Continuous Tube on the Autonomous Liquid Carrying Capacity of Gas Well Shi-Chun Liu, Research Institute of Oil & Gas Technology, CNPC Changqing Oilfield Company
IFEDC202416056 Experimental Study and Application of Stability of Fracturing Proppant Performance Testing Results Feng Xiong, Engineering Technology Research Institute of Petrochina Southwest Oil and Gas Field Company
IFEDC202416015 Research on Influencing Factors and Solutions For the Effectiveness of Composite Perforation Construction Wei-Min Zhang, Testing Branch, Petrochina Daqing Oilfield Co. Ltd



IFEDC202415905 Case Study of Influencing Factors of Horizontal Well Productivity in Mahu Tight Conglomerate Reservoirs Tao Wan, China University of Petroleum (Beijing) At Karamay
IFEDC202415828 Research Status and Development Trend of Fracturing Fluid For Shale Oil in Qaidam Basin Cheng-Juan Zhang, Petrochina Qinghai Oilfield Company
IFEDC202417402 Research and Application of High Efficient Acid Fracturing Technology in Low Permeability Carbonate Reservoir Ding-Kai He, Petrochina Jilin Oilfield Company.
IFEDC202417355 Research and Application of Horizontal Well Resistance Reduction Operation Technology Feng-Yang Xu, Oil and Gas Process Research Institute, Jilin Oilfield Company

Display Screen No.5

Enhanced Oil Recovery for Oil & Gas Reservoirs

IFEDC202418109 Study and Practice of Water Injection Strategy Under Different Driving Modes in Complex Fault Block Oilfield Xiao-Hui Wu, Tianjin Branch of Cnooc Ltd.
IFEDC202418093 Numerical Simulation of Gravity Displacement Aided By Flue Gas in Fractured Reservoir Fu-Kang Ding, China University of Petroleum (East China)
IFEDC202418078 Study on the Stability of W/O Emulsions Based on Droplet Size Distributions and Microstructures - Taking the Shale Oil Emulsion in Changqing Oilfield As An Example Huan Li, National Engineering Laboratory For Exploration and Development of Low-Permeability Oil & Gas Fields, Xi'an, China
IFEDC202417747 Simulation Method and Cluster Optimization Design of Artificial Fractures in Shale Gas Horizontal Wells Hang Yuan, University of Chinese Academy of Sciences
IFEDC202417849 Field Test of Low-Pressure Gas-Liquid Mixing Transportation Technology in Tight Gas Reservoir Qiao-Yun Yang, Changqing Oilfield
IFEDC202418058 Preparation, Characterization and Enhanced Oil Recovery Permeability of Modified Molybdenum Disulfide Bao-Ju Ma, China University of Petroleum (East China)
IFEDC202417726 Horizontal Well Injection and Production Optimization For Carbonate Reservoirs Under Hydrodynamic Field Constraints: A Success Story From Ebs Reservoir. Bo Kang, Chengdu North Petroleum Exploration and Development Technology Company Limited
IFEDC202417700 Research and Application of Microbial Activation Waterflooding Technology For Enhancing Oil Recovery in Ultra-Low Permeability Reservoirs - Taking B153 Test Area As An Example in Huaqing Oilfield Guo-Rong Wu, the 10th Oil Production Plant of Changqing Oilfield Company

IFEDC202417693 Preparation and Displacement Properties of Pickering Emulsion of Dendritic Mesoporous Silica Nanoparticles Di Li, China University of Petroleum (East China)
IFEDC202416495 Applicability Analysis of Solar Thermal Technology in Heavy Oil Low-Carbon Thermal Recovery Development Yi-Chang Yu, China National Oil and Gas Exploration and Development Company Ltd
IFEDC202417634 Evaluation of Pilot Test of Polymer Flooding in Highly Heterogeneous and Easily Sand Producing Reservoirs Hai-Long Tang, Petrochina Liaohe Oilfield Company
IFEDC202417602 Research on the Evaluation Method of Shale Gas Horizontal Well Foam Drainage Gas Recovery Effect Xu-Sen Huang, CCDC Shale Gas Exploration and Development Department
IFEDC202417592 Developing a Stratigraphic Recombination Evaluation Model Using Lorentz Curve and Gini Coefficient: Optimization of Development Strategies For Multi-Layered Reservoirs Wen-Yue Zhao, Chifeng University
IFEDC202417527 Comparative Experimental Study on Micro-Pore Development of Oil Stimulation in Natural Gas Injection/CO ₂ Injection Media of Mahu Tight Sandstone Ming Li, Petrochina Xinjiang Oilfield Company Research Institute of Experiment and Detection
IFEDC202417520 Preparation and Self-Regulated Stability Mechanism of Temperature-Sensitive Pickering Emulsion Based on Oilfield Application Shang-Lin Wu, Shandong Key Laboratory of Oilfield Chemistry, China University of Petroleum, Qingdao 266580, China
IFEDC202417517 Study on Pore Structure Characteristics and Shale Oil Mobility of Gulong Shale Reservoir in Songliao Basin Peng-Kun Gao, China University of Petroleum (East China)

IFEDC202417494 Study on CO ₂ Injection To Enhance Recovery of Heavy Oil Reservoir in High Water Cut Period Ying-Nuo Tang, Dagang Oilfield Exploration and Development Research Institute of Petrochina
IFEDC202417176 Influence of Oil-Water-Rock Interface Characteristics on Imbibition Behavior of Low Permeability Sandstone Reservoir Ke-Xin Du, China University of Petroleum
IFEDC202416916 Feasibility Study of Air Injection To Enhance Oil Recovery After Fracturing in Low Permeability Reservoir Ze-Qi Zhao, Research Institute of Petroleum Exploration and Development
IFEDC202416910 The Study of Sp Flooding Technology For Enhancing Oil Recovery in Shengli Offshore Oilfield Hui Xu, Shengli Oilfield Exploration and Development Research Institute
IFEDC202416750 Research and Application of Same-Well Imbibition and Energy Replenishment Technology For Horizontal Wells in Ultra-Low Permeability Reservoirs: a Case Study of Chang 6 in Huaqing Oilfield Xue-Liang Han, No.10 Oil Production Plant of Changqing Oilfield Company, CNPC
IFEDC202416728 Study on Adjustment Countermeasures of Abnormal High Pressure and Bottom Water Blocky Gas Reservoir in Middle and Late Stage of Development —— Taking Bashijiqike Formation in Kela 2 Gas Field As An Example Hui Wang, Kela Oil and Gas Management Area of Petrochina Tarim Oilfield Company
IFEDC202416688 Experimental Study of Cold Injury and Hot Water Drive in Low Permeability Tight Oil Reservoirs Bei-Er Chen, Xi'an Shiyou University
IFEDC202416497 Application of Acid Erosion Fracture Conductivity Experiment in Acid Liquid Evaluation Yu-Ting Liu, Petrochina Research Institute of Petroleum Exploration & Development, CNPC
IFEDC202416479 Experimental Research and Application of Low Initial Viscosity Gel Profile Control System in X Block Chao Gao, No.3 Production Plant of Daqing Oilfield Company Limited



IFEDC202416464 Study on Improving Reservoir Recovery By Water-Altng-Gas Using Gas Cap Energy Miao-Miao Wang, Research Institute of Exploration and Development, Xinjiang Oilfield Company, Petrochina
IFEDC202416389 Optimal Design of Gas Injection and Recovery in Ultra-Deep Carbonate Reservoir-Taking Fuyuan 210 Block As An Example Yu-Xiang Feng, China Petroleum Tarim Oilfield Company
IFEDC202416545 Effect of Smart Water Injection on Reservoir Rock Properties To Enhance Oil Recovery Abdollah Esmaeili, Ufpa, Researcher
IFEDC202416290 Indoor Research on In-Situ Generation Technology of Proppants Jun Yang, Changqing Downhole Technology Company, Chuanqing Drilling Engineering Co., Ltd.
IFEDC202416245 Study on the Law of Imbibition Enhancement of Recovery Rate By Active Water in Fractured Low-Permeability Reservoirs Yao-Hui Wei, China University of Petroleum (East China)
IFEDC202416243 Research on the Declining Law of New Wells in the Production of Thin Interbedded Sandstone Reservoir in B0 Oilfield Si-Min Li, Cnooc China Ltd. Tianjin Branch
IFEDC202416222 Feasibility Analysis and Evaluation of Low Permeability Thin Oil Fire Drive in the East of Daqing Changyuan Yuan-Ping Li, Petrochina Daqing Oilfield Co., Ltd. No.8 Oil Production Plant
IFEDC202416163 Production Increase Mechanism and Application of High Water Cut Extract From Tezhend-Vuggy Carbonate Wells Zhi-Cheng She, R&D Center For Ultra Deep Complex Reservoir Exploration and Development, CNPC
IFEDC202416130 Analysis of Emulsification Characteristics and Influencing Factors of Strong Alkali Asp Flooding in Three Types of Reservoirs Wen-Wen Wei, the Ninth Operation Area of No.4 Oil Production Companyt of Daqing Oilfield



<p>IFEDC202416020 Application and Effect Evaluation of High-Frequency Pressure Field Dynamic Monitoring Technology in Horizontal Well Fracturing in Well X Area of Karamay Oilfield Zhen-Yu Wang, Intercontinental Strait Energy Technology Co., Ltd</p>
<p>IFEDC202415957 Research and Application of Nano-Emulsion Flooding Technology in Ultra-Low Permeability Reservoir Rong-Rong Cao, Oil&Gas Technology Research Institute, Changqing Oilfield Branch Company, Petrochina</p>
<p>IFEDC202415943 Practices and Insights Into Enhancing Oil Recovery in Shallow Heavy Oil Reservoirs With Low Oil Saturation Through Steam Huff and Puff Ning Wang, Research Institute of Exploration and Development, Xinjiang Oilfield Company</p>
<p>IFEDC202415919 Research and Application of Mixed Phase State Evaluation Method For Rich Gas Flooding in Low-Permeability Carbonate Reservoirs Based on Component Characteristics Nu Lu, Research Institute of Petroleum Exploration and Development, Petrochina</p>
<p>IFEDC202415879 Development of Tight Reservoirs By Natural Gas Flooding Under Different Injection and Production Modes: A Case Study in Ordos Basin Song-Chao Qi, China National Petroleum Corporation, Changqing Oilfield, Oil and Gas Technology Research Institute</p>
<p>IFEDC202415862 Optimization of High Water Cut Reservoirs Injection-Production Parameters Based on Flow Field Matching Evaluation Li Shi, Petrochina Liaohe Oilfield Exploration and Development Research Institute</p>
<p>IFEDC202415856 Optimization of Water Injection Method and Establishment of Recovery Prediction Chart For High Steep-Fault Block Oilfield Peng-Ju Du, Research Institute of Petroleum Exploration & Development, Daqing Oil Field Company Limited</p>
<p>IFEDC202415840 Innovation and Application of Key Technologies For Efficient Development of Deep Carbonate Gas Field: A Case Study of Anyue Gas Field, Sichuan Basin, SW China Wei Xu, Research Institute of Exploration and Development, CNPC Southwest Oil and Gasfield Company, Chengdu 610041, China</p>



IFEDC202418214

Numerical Simulations on CO₂ Injection Development in Heavy Oil Reservoirs Considering Asphaltene Deposition

Tao Zhang, National Key Laboratory of Oil and Gas Reservoir Geology and Exploitation, Southwest Petroleum University, Chengdu, Sichuan 610500, China

IFEDC202416701

Computational Simulation Study on the Influence of Nanocomposite System Properties on the Effect of Rejection in Porous Media

Jing Shi, Senior Engineer, E&P Research Institute, Shengli Oilfield Branch, SINOPEC

IFEDC202417174

Experimental Study of Spontaneous Seepage Suction in Shale Reservoirs Based on Nuclear Magnetic Resonance Technique

Xue-Qiang Guo, China University of Petroleum (East China)

IFEDC202417006

Study of Enhanced Oil Recovery By Polyether Surfactant-Assisted CO₂ Huff-n-Puff in Shale Reservoirs

Wei Lv, School of Petroleum Engineering

Exhibition Opportunities

Exhibition at IFEDC offers you the opportunity to demonstrate your company's advanced technologies and expertise, increase your brand awareness and reinforce its recognition in the China and world market. Your exhibition here would have more opportunity to be seen by all attendees from all over the world.

Exhibit space cost	Standard space (Regular size : 3m×3m.)	Raw space (more than 18 sqm)
Domestic	CNY 13, 000 / 9 sqm	CNY 1, 300 per sqm
Overseas	USD3, 200/ 9 sqm	USD320 per sqm

Note:

1. We will provide some service for standard space , including back & inside walls, carpet, fascia board, one consulting desk, two folding chairs, one light and one panel of power points (220V, 5A);
2. There are no exhibition frames and facilities on the raw space;
3. All exhibitors will be listed in the list of exhibitors on the IFEDC website and conference guide, Besides, the advertising discount will be 15%;
4. One person per booth can participate in all conference activities free of charge;
5. the booth arrangement is based on the principle of "first registration, first payment, first arrangement". the organizing committee has the right to adjust a few booths. Booths are limited, please book in advance (15% off if booked before 16 May, 2024).
6. Priority will be given to which apply more than 4 Space with Shell Scheme (or Raw Space of 32 per sqm).
7. Please ask for the exhibition layout plan from the organizing committee to book the best booth.



Registration

Registration Deadline: 25 August, 2024

For those who cannot attend the venue in person, you can choose to participate online.

Online Registration:

For immediate registration, please visit our conference website at <http://www.ifedc.org> . Our user-friendly platform will guide you through the registration process.

Email Registration:

For those who prefer a more direct approach, Registration Form can be sent via email to our conference team at info@ifedc.org.

Fee Standards:

Attendance way	By 12 th August, 2024	After 12 th August, 2024
In-person	USD 800	USD900
Online	USD 700	USD 800

Student Author (with valid college ID)

Attendance way	By 12 th August, 2024	After 12 th August, 2024
In-person	USD 400	USD450
Online	USD 200	USD 300

Notes for Participants:

1. The registration fee includes all activities at IFEDC, including Opening Ceremony, Panel Sessions, Keynote Presentation Sessions, Excellent Paper Awards Ceremony, Advanced Workshop, E-poster Seminars for Sharing, Technical Product Exhibitions. in addition, one registration including Daily Coffee Breaks, Daily Delegate Lunch, Daily Delegate Dinner and Conference Digital Proceedings.

2. Lodging for the conference will be organized centrally, with participants expected to cover their own accommodation expenses.

3. The collection of conference fees and the issuance of invoices will be handled by Xi'an Sinoline Petroleum Science and Technology Co.Ltd, . Bank account as below:

Account Holder: Xi'an Sinoline Petroleum Science and Technology Co.Ltd

Address: No.36, Dianzi 2nd Road, Xi'an City, Shaanxi Province, P.R.of China

Phone:86-29-88233878 Account number:102001765342 SWIFT Code:BKCHCNBJ620

CNAPS Code:104791003719

Bank Name:Bank of China Xi'an Ziwei Branch

Bank Address:Dian Zi Zheng Jie No.399, Xi'an, China

Bank Phone :86-29-88219278

General Information

1. Date and Venue

Date: 12-14 September, 2024 (registration on the 11 Sep, 2024)

Venue: Jiyuan International Hotel

Address: No. 555, West Chang'an Street, Chang'an District, Xi'an, Shaanxi Province, China

Chinese name: 西安吉源国际酒店

Chinese Address: 西安市长安区韦曲街道西长安街中段 555 号

2. Airport

Visitors arrive in Xi'an **Xianyang International Airport** , here are some options to Jiyuan International Hotel

a. Airport Shuttle Bus:

From T2 Terminal - Level Exit, take the Jiyuan International Hotel airport shuttle bus, which costs 25 RMB per person. [The first bus is at 7:20 AM, and the last bus is at 7:20 PM]. Buses depart every 40 minutes (the entire journey takes approximately 1 hour and 15 minutes).

b. Taxi:

Taxis are readily available at the airport and can directly take you to your hotel. Make sure to use the official taxi stands to ensure safety and accurate metered fares, which will take about 60 minutes to arrive, and is approximately 50 kilometers away (the cost is about 200 RMB if taking the highway)

c. Public Transportation:

Take the Metro Line 14 to "[Xi'an North Station]", transfer to Line 4 at the station to "[Administrative Center]", then transfer to Line 2 to "[Aerospace City]". After exiting the station, take the bus number 616/736/728/733 to "[Northwest University of Political Science and Law Chang'an Campus]". Walk 250 meters to reach the hotel (the entire journey takes approximately 2 hours and 10 minutes).

3. Accommodation

Hotel	Address	Cost (per room per night)
Jiyuan International Hotel	No. 555, West Chang'an Street, Chang'an District, Xi'an, China	RMB400
HAOTANG INT'L HOTEL	No. 855, West Chang'an Street, Chang'an District, Xi'an, China	RMB400
NORTHWEST HOTEL	No. 52, West Chang'an Street, Chang'an District, Xi'an, China	RMB400

Notes for hotel reservation: All hotel reservations will be based on the registration form submitted.

Additionally, conference attendees may also book accommodations at other hotels on their own.



4. Visa

Event attendees travelling to Xi'an, China must be in possession of passports valid for a least six (6) months with proof of onward passage out of the country. Visa requirements depend on the country of origin. Please check with your travel agent, or the Local Embassy relating to immigration/visa before your departure. An invitation letter to facilitate the application of visa will be issued to registered attendees if required. Please contact us.

5. Contact Information

Camille Cheng

Ladline: 0086 298827 1228

E-mail: info@ifedc.org

Whatsapp: 0086 183 9218 3593

Website: www.ifedc.org



2025 International Petroleum and Petrochemical Technology Conference
Beijing, March 2025

Call for Papers

Promoting a diverse, resilient and sustainable technology
development for the global energy sector

24-26 March, 2025

- Session 01:** Reservoir Geology Engineering
- Session 02:** Reservoir Engineering
- Session 03:** Drilling and Well Integrity
- Session 04:** Oil and Gas Production Engineering
- Session 05:** Oil and Gas Storage, Transportation and Flow Assurance
- Session 06:** Offshore Drilling and Production Engineering & Gathering and Transportation System
- Session 07:** Refining and Petrochemical Production
- Session 08:** Machinery, Material Science and Corrosion Protection
- Session 09:** Digital and Intelligent Oilfield
- Session 10:** Carbon Capture, Usage and Storage

Follow us on



www.ipptc.org



WeChat Account



LinkedIn

Contact:

Cindy Fang: 0086 173 8698 1722
0086 8919 5286

E-mail: ffang@ipptc.org, cindyipptc@gmail.com

The Theme of IFEDC 2024:
Navigating the Transitions to a Clean Energy Future