



2023



油气田勘探与开发国际会议

International Field Exploration and Development Conference 2023

会议预告刊

Conference Preview Guide

2023年9月20 – 22日

20 – 22 September, 2023

中国 · 武汉

Wuhan China



2023 油气田勘探与开发国际会议

International Field Exploration and Development Conference 2023

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Instructions

1. Theme

Efficient, Green and Intelligent Oil & Gas Exploration and Development
Theory & Technology Driven by the 'Dual-carbon' Policy

2. Date

20-22, September, 2023

3. Venue

Wuhan Eurasian Convention and Exhibition International Hotel

Address: No. 20, Jinyin Lake Road, Dongxihu District, Wuhan City, Hubei
Province, China

4. Meal Arrangements

	Time	Venue	Note
Breakfast	06:30~08:00	Jinhu Hall	Buffet
Lunch	12:00~14:00		
Supper	18:30~20:30		
Excellent Paper Award Ceremony	18:30~20:30 20 September	Eurasian Hall	All participants

a) Please remember to bring the meal coupon when you go to dining room.

b) Any special requirements such as Moslem food, please let us know in advance.

5. Contact

Camille

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Phone: 18392183593

Organization

Instructor	Shaanxi Association for Science and Technology
Organizer	China University of Geosciences (Wuhan) Xi'an Shiyou University Shaanxi Petroleum Society
Executor	College of Petroleum Engineering, Xi'an Shiyou University School of Earth Resources, China University of Geosciences (Wuhan) Key Laboratory of Tectonics and Petroleum Resources, Ministry of Education Petroleum Engineering Professional Committee, Shaanxi Petroleum Society Hubei Provincial Key Laboratory of Oil and Gas Exploration and Development Theory and Technology 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.

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

Upstream Oil & Gas News
 HXAN
 China Petroleum Daily
 China Chemical Industry News
 China Reform Daily
 Science and Technology Daily
 Sunpetro

Academic Committee

Position	Name	Company	Title
Chairman	Cai-neng ZOU	Chinese Academy of Engineering	Academician
Vice-Chairman	Yan-xin WANG	China University of Geosciences (Wuhan)	Principal
	Tian-tai LI	Xi'an Shiyou University	Principal
	Ming-quan JIN	Shaanxi Petroleum Society	President

Members (According to the Phonetic Sequence)

Alireza Bashari	Iranian Society of Petroleum Geology (ISPG)
Shang-jun AI	PetroChina Xinjiang Oilfield Branch Company
Bao CHEN	CNPC Logging
Jun-bin CHEN	Xi'an Shiyou University
Xiao-jun CHENG	Sinopec North China Petroleum Bureau
Zhi-wen DENG	BGP INC., China National Petroleum Corporation
E. Amadasun	Xiletek Partners
E. D. Jeremiah	FEDDO PTY LTD
F. N. Pebdani	Reservoir Transformation Group
G. S. Basta	Scimitar & 3 DOS Global Energy
Hong-bao HAN	Sinochem Petroleum Exploration and Development Co., Ltd.
Shi-yan HAO	Shaanxi Yanchang Petroleum (Group) Co., Ltd.
Dong-bo HE	PetroChina Jidong Oilfield Branch Company
Dong-feng HU	Sinopec Exploration Branch Company
Wen-ge HU	Sinopec North China Petroleum Bureau
Ying-jie HU	PetroChina Liaohe Oilfield Branch Company
Guo-xin LI	China National Petroleum Corporation
Guo-yong LI	PetroChina Jidong Oilfield Branch Company
Ya-lin LI	BGP INC., China National Petroleum Corporation
Yong LI	Research Institute of Petroleum Exploration and Development
Xing LIANG	PetroChina Zhejiang Oilfield Branch Company
Yong-u LIANG	China University of Petroleum (Beijing) Karamay Campus
Guo-yong LIU	PetroChina Qinghai Oilfield Branch Company
Hui-min LIU	Sinopec Shengli Oilfield Company
Xian-yang LIU	PetroChina Changqing Oilfield Branch Company
Eng-yun LU	CNPC Chuanqing Drilling Engineering Company Limited
Xu-wu LUO	PetroChina Western Drilling Engineering Co., Ltd
Minh Vo	Chevron
Li-jun MU	PetroChina Changqing Oilfield Branch Company
Oliver C. Mullins	U.S. National Academy of Engineering
S. M. Farouq Ali	U.S. National Academy of Engineering

Min-jun QIN	CNPC Logging
W. John Lee	U.S. National Academy of Engineering
Bi-jin WANG	Sinopec Jiangnan Oilfield Branch Company
Hai-ge WANG	PetroChina Engineering Technology Research Institute Co., Ltd
Hua WANG	China University of Geosciences (Wuhan)
Liang-jun Wang	Sinopec Henan Oilfield Branch Company
Lin-sheng WANG	PetroChina Xinjiang Oilfield Branch Company
Lu-shan WANG	Sinopec Shengli Oilfield Branch Company
Shi-jie WANG	Sinopec Northwest China Petroleum Bureau
Yong-dong WANG	Yanchang Oilfield Co., Ltd
Hai-jun YANG	PetroChina Tarim Oilfield Branch Company
Yong YANG	Sinopec Shengli Oilfield Branch Company
Rong-hua XIE	PetroChina Daqing Oilfield Branch
Huai-xian XU	Journal of Petroleum Exploration and Development
Yong-an XUE	CNOOC (China) Co., Ltd. Tianjin Branch
Dao-wei ZHANG	China National Petroleum Corporation Limited
Hong-an ZHANG	Sinopec Zhongyuan Oilfield Branch Company
Hon-zhon ZHANG	CNPC Chuanqing Drilling Engineering Company Limited
Jian-xiao ZHANG	PetroChina Changqing Oilfield Branch
Ji-yong ZHAO	PetroChina Changqing Oilfield Branch
Zhon-wen ZHENG	Yanchang Oilfield Co., Ltd

Organizing Committee

Chairman: Rong-jun ZHANG

Vuce Chairman: Li-zhe WANG, De-sheng ZHOU, Shu JIANG

Members: Hao CHEN, Yu-lin CHEN, Hao DONG, Ting HAN, Lin LI, Jiang-tao LIU, Shun LIU, Xiang-bin LIU, Zhi-kui LIU, Fu-long NING, Xia-xia NIU, Hui-zhu SUN, Nan SUN, Zhi-xue SUN, Jin-fang WANG, Tao WANG, De-tian YAN, Yu-ping YANG, Zhi-gang YANG, Hui-YANG, Xian-guo ZHANG, Xin-yun ZHANG, Yi ZHANG, Bo ZHOU

Timing Schedule

Date	Venue	Program	Co-organized by
19 September	Hotel Lobby	Registration and Materials Collection	Conference Affair Committee
20 September Morning	Eurasian Hall 2nd Floor	Opening Ceremony	Academic Committee
		Panel Sessions and Keynote Presentation Sessions	Academic Committee
20-22 September	Session 1 Wuhan Hall 3rd Floor	1. Basic Geological Theory of Oil & Gas Exploration and Development	China University of Geosciences (Wuhan)
	Session 2 Qinghualang Hall 2nd Floor	2. Geophysical Exploration Technology	Sinopec Institute of Petroleum Geophysical Exploration Technology
	Session 3 HongKong Hall 3rd Floor	3. Geophysical Well Logging	CNPC Logging Co., Ltd.
	Session 4 Manjianghong Hall 2nd Floor	4. Fine Reservoir Description	Shandong Key Laboratory of Reservoir Geology;
	Session 5 Taiwan Hall 3rd Floor	5. Dynamic Reservoir Monitoring	Yangtze University
		11. Geothermal Resource Exploration and Development	China University of Geosciences (Wuhan)
		12. Natural Gas Hydrate Exploration and Development	CNOOC Research Institute Co., Ltd
	Session 6 Macao Hall 3rd Floor	6. Reservoir Engineering and Management	China Petroleum Exploration and Development Research Institute
	Session 7 Shanghai A Hall 3rd Floor	7. Reservoir Drilling and Completion	Sinopec Jiangnan Oilfield Branch
	Session 8 Shenzhen Hall 3rd Floor	8. Oil & Gas Production Engineering	Production Engineering & Research Institute, Daqing Oilfield
Session 9 Honghualang Hall 2nd Floor	9. Enhanced Oil Recovery for Oil & Gas Reservoirs	China University of Petroleum (Beijing)	
Session 10 Shanghai B Hall 3rd Floor	10. Coalbed Methane Exploration and Development	Henan Polytechnic University	
	13. Carbon Capture, Utilization and Storage (CCUS)	Sinopec Shengli Oil Field Branch and Wuhan Institute of Rock and Soil Mechanics, the Chinese Academy of Sciences.	



	Session 11 Zhuhai Hall 3rd Floor	14. Gas Storage Facility Construction and Operation Management	PetroChina Jidong Oilfield Branch
	Session 12 Qinyuanchun Hall 2nd Floor	15. Artificial Intelligence and Big Data Application in Oil & Gas Fields	China University of Petroleum (Beijing) and China University of Geosciences (Wuhan)
23 September	Guanhu Hall 5th Floor	Advanced Workshop	Research Institute of Petroleum Exploration and Development
20-22 September	Front Porch of Meeting Room	E-poster Seminars for Sharing	Conference Organizing Committee
20-22 September	Front Porch of Meeting Room	Technical Product Exhibitions	Conference Organizing Committee

Note:

1. The conference will be held at Wuhan Eurasian Convention and Exhibition International Hotel.
2. The conference will be held online and offline simultaneously.

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Panel Sessions and Keynote Presentation Sessions

<p>On the Morning of 20 September, 2023 (Venue: Wuhan Eurasian Convention and Exhibition International)</p>	
8:00-8:30	Opening Ceremony (Moderator: Rong-jun ZHANG, Vice President of Xi'an Shiyou University) Speech by Cai-neng ZOU, Academician of the Chinese Academy of Sciences Speech by Li-zhe WANG, Vice President of China University of Geosciences (Wuhan) Speech by Tian-tai LI, President of Xi'an Petroleum University
8:30-10:00	Panel Sessions (Moderator: De-sheng ZHOU, Dean of College of Petroleum Engineering, Xi'an Shiyou University) Communication and Discussion by International Top Experts and Academician
10:00-10:30	Tea/Coffee Break and E-poster Seminars for Sharing
Keynote Presentation Sessions	
Host: Lin-sheng WANG, PetroChina Xinjiang Oilfield Branch Company, Managing Director Ming-quan JIN, Shaanxi Petroleum Society, Chairman	
10:30-10:55	Continuous Oil and Gas Accumulation and Unconventional Oil and Gas Geological Theory Cai-neng ZOU, Academician of the Chinese Academy of Sciences
10:55-11:20	Geothermal Energy Storage Systems: Opportunities and Challenges Yan-xin WANG, Academician of the Chinese Academy of Sciences, President of China University of Geosciences (Wuhan)
11:20-11:40	A Comprehensive Analytical Approach to Multistage Formation Fracturing and Production Syed M. Farouq Ali, Distinguished Professor of Petroleum Engineering at the University of Houston and the Member of the U.S. National Academy of Engineering
11:40-12:00	New progress in oil and gas well engineering technology Hai-ge WANG, Vice President of China Petroleum Engineering Technology Research Institute Co., Ltd
12:00-14:00	Buffet Lunch and Break

Session 1 Location: Wuhan Hall, 3rd Floor

Basic Geological Theory of Oil & Gas Exploration and Development

Co-organized by: China University of Geosciences (Wuhan)

Convener: Hua WANG, Shu JIANG

Date: 20-22 September, 2023

20 September, 2023	
Host: Hua WANG, China University of Geosciences (Wuhan), Vice President, Liang-jun WANG, Sinopec Henan Oilfield Branch Company, Deputy General Manager	
Reservoir Geology	
14:00-14:20	IFEDC202315432 The Applying Effect Analysis and Enlightenment of the Deep Marine Shale Reservoir Hydraulic Fracturing Technology: a Case Study of Deep Wufeng-Longmaxi Formation Shale in Northwest Chongqing, Sichuan Basin Guo-hong ZONG, Sinochem Petroleum Exploration & Development Cooperation, Senior Engineer
14:20-14:40	IFEDC202314675 The Shale Oil in Chang 73 Member, Ordos Basin: Types, Characteristics and Exploration Direction Xiao-bing NIU, China University of Petroleum (East China), Senior Engineer
14:40-15:00	IFEDC202315722 Multiphase Diagenetic Alterations and Their Impact on Reservoir Potential of Middle to Late Permian carbonates of Indus Basin, Pakistan Bilal Wadood, University of Swabi, Lecturer
15:00-15:15	IFEDC202314884 Study on Stress Sensitivity of Volcanic Reservoir: A Case Study of C471 Well Block in the Junggar Basin

	Sai LIU, PetroChina Xinjiang Oilfield Branch
15:15-15:30	IFEDC202315725 Mechanical and Petrophysical Properties Role in Clastic and Carbonate Rock Characterization Abdessamia Jebbouri, Khalifa University, Lab Specialist and Researcher
15:30-15:45	IFEDC202314129 Quantitative Identification and Application of Rock Types in Complex Carbonate Reservoirs in the Middle East Zhen-yong XU, PetroChina Research Institute of Petroleum Exploration & Development, Director
15:45-16:00	IFEDC202314514 Feasibility Study on Acidizing of Low Permeability Conglomerate Reservoir Based on Micro Pore Throat Structure Cang-jun SUN, Bohai Petroleum Institute of Tianjin Branch of CNOOC Ltd., Senior Engineer
16:00-16:30	Tea/Coffee Break and E-poster Session for Knowledge Sharing
Reservoir Geology	
16:30-16:45	IFEDC202315266 Microscopic distribution characteristics and genetic mechanism of movable fluid in F reservoir in S Basin Xin Li, NO.4 Oil Production Plant of Daqing Oilfield Co. Ltd
16:45-17:00	IFEDC202314141 Fracturing Model Experiment of Fengxi Tight Oil Reservoir De-long GUO, Drilling and Production Technology Research Institute of PetroChina Qinghai Oilfield Branch
17:00-17:15	IFEDC202315777 West Siberia Lower Cretaceous Mass Transport Deposits Reservoirs: Presence, Distribution, and Production Features. Ivan Kurasov, Technology Company Schlumberger, Reservoir Geologist

17:15-17:30	<p>IFEDC202315436</p> <p>Study on the Influence Mechanism of Chlorite Type on Reservoir Quality-He4 Formation of LS Gasfield on Eastern Margin of Ordos Basin</p> <p>Zun-jing MA, Research Institute of Petroleum Exploration and Development, PetroChina</p>
17:30-17:40	<p>IFEDC202313617</p> <p>Characteristics and Genetic Mechanism of Paleogene Shale Reservoirs in Dongying Sag</p> <p>Tao CHEN, Exploration and Development Research Institute of Shengli Oilfield, SINOPEC</p>
17:40-17:50	<p>IFEDC202313340</p> <p>Study on Main Controlling Factors of Mesozoic Volcanic Reservoir in K Oil Field of Laizhouwan Sag, Bohai Sea</p> <p>Ming-wei He, CNOOC Research Institute Co., Ltd.</p>
17:50-18:00	<p>IFEDC202314805</p> <p>Reservoirs Characteristics and Main Controlling Factors of Deep Buried Tight Sandstones: A Case Study of the 1th Member of the Upper Paleozoic Shanxi Formation in Qingyang Gas Field, Southwestern Ordos Basin</p> <p>Jiang-jun CAO, Research Institute of Exploration and Development, PetroChina Changqing Oilfield Company, PhD Candidate</p>
18:30-20:30	<p>Excellent Paper Awards Ceremony</p> <p>Eurasian Hall 2nd Floor</p>
<p>21 September, 2023</p>	
<p>Host:</p> <p>Hai-jun YANG, PetroChina Tarim Oilfield Branch Company, Chief Geologist</p> <p>Ji-yong ZHAO, PetroChina Changqing Oilfield Branch Company, Chief Expert</p>	
<p>Hydrocarbon Accumulation</p>	
8:00-8:15	<p>IFEDC202315442</p> <p>Study on the Mobility of Low-Maturity Shale oil in the Lijin West Slope of the Dongying Sag.</p> <p>Zhong-xin JIANG, Sinopec Shengli Oilfield Branch Luming Oil and Gas Exploration</p>

	and Development Co., Ltd., Manager
8:15-8:30	IFEDC202313327 Relationship between Igneous Rocks and Hydrocarbon Accumulation Ya-ming LIU, PetroChina Research Institute of Petroleum Exploration & Development, Senior Engineer
8:30-8:45	IFEDC202313623 Study on Structural and Sedimentary Characteristics and Hydrocarbon Accumulation Conditions of Carbonate Rocks in the Southeastern Margin Slope Belt of the Pre-Caspian Basin Le-yuan FAN, International Company of China National Logging Corporation, CNPC, Senior Engineer
8:45-9:00	IFEDC202315277 Genetic Mechanism of Deep Complex Tight Gravelly Sandstone Reservoir: a case study of Upper Wuerhe Formation in DN 15 well area, Dongdaohaizi Sag, Junggar Basin Hui XIANG, Zhundong Oil Production Plant of PetroChina Xinjiang Oilfield Branch, Senior Engineer
9:00-9:15	IFEDC202315774 Methodology for Estimating Prospects of Oil-And-Gas Bearing Capacity in Poorly Studied Territories Leonid B. Khazin, Institute of Geology and Development of Fossil Fuels (IGIRGI), Chief Specialist
9:15-9:30	IFEDC202313775 Tectonic Styles and Hydrocarbon Accumulation Characteristics of Concealed Thrust Belt in Eastern Margin of Pre-Caspian Basin Yi-bao LI, Dagang Branch of BGP, CNPC
9:30-9:45	IFEDC202314416 Research on Helium Filling and Accumulation Mechanism in Rukwa Rift Basin in Tanzania Yi-ping WU, Research Institute of Petroleum Exploration Helium Development, Senior Engineer
9:45-10:00	IFEDC202313339 Hydrocarbon Accumulation Pattern and Main Control Factor Analysis of Sandstone Reser-voirs in the Kungurian Stage Salt Domes of Kenkiyake Oilfield

	Xu-jing REN, Exploration and Development Research Institute of PetroChina Xinjiang Oilfield Company
10:00-10:30	Tea/Coffee Break and E-poster Session for Knowledge Sharing
Geochemistry	
10:30-10:45	<p>IFEDC202315010</p> <p>Light Oil and Condensate Formation Mechanism and Evolution of the Deep Source Rock</p> <p>Yi-feng WANG, Research Institute of Petroleum Exploration and Development, CNPC, Senior Engineer</p>
10:45-11:00	<p>IFEDC202315744</p> <p>Identification of Complex Non-Structural Hydrocarbon Traps Using Avo-Analysis In The Hapchagai Megaval</p> <p>Olga Feoktistova, JSC YATEC, Senior Seismic Interpreter</p>
11:00-11:15	<p>IFEDC202313760</p> <p>Geochemical Characteristics and Paleoenvironmental Significance of Limestone-Marl Alternations: an example from the first member of Maokou Formation in central Sichuan Basin</p> <p>Wei ZHAO, Exploration and Development Research Institute of PetroChina Daqing Oilfield</p>
11:15-11:30	<p>IFEDC202314504</p> <p>Influence of Inorganic Elements on the Development of Source Rocks and Hydrocarbon Generation of Wenchang Formation in Enping Sub-sag 21, Pearl River Mouth Basin</p> <p>Chuang SHI, Shenzhen Branch of CNOOC Ltd.</p>
11:30-11:45	<p>IFEDC202313746</p> <p>New Geochemical Evidence for the Origin of Dolomites in the Second Member of the Lower Permian Maokou Formation in the Hechuan Tongnan Area</p> <p>Xue-jing BAI, Exploration and Development Research Institute of Daqing Oilfield Co., Ltd</p>

11:45-12:00	IFEDC202314442 The Geochemical Characteristics and Oil Source Correlation of Chang 8-Member Crude Oil in Huanxi Area, Ordos Basin Li-rong LUO, Research Institute of Petroleum Exploration characteristics Development,
12:00-14:00	Buffet Lunch and Break
21 September, 2023	
Host: Hong-bao HAN, Sinopec Exploration and Development Co., Ltd., Vice General Manager Xian-yang LIU, PetroChina Changqing Oilfield Branch Company, Chief Expert	
Hydrocarbon Accumulation & Logging and Testing	
14:00-14:20	IFEDC202313781 Development and Field Application of a New Ultra-Low Guar Gum Concentration Weighted Fracturing Fluid in HPHT Reservoirs Yi LIU, Drilling and Production Technology Research Institute of Jidong Oilfield Company, Senior Engineer
14:20-14:40	IFEDC202314635 Intelligent Fluid Identification Driven by Downhole Spectral Data in Real Time KONG Sun, China Oilfield Services Limited, Senior Engineer
14:40-15:00	IFEDC202315084 Hydrocarbon Accumulation Conditions and Controlling Factors of Upper Cretaceous Donga Formation in Trakes Slope of Termit Basin, Niger Chong WANG, Mud-logging Company of CNPC Great Wall Drilling Engineering Co., Ltd.,
15:00-15:15	IFEDC202313505 Recognition of the Types of Buried Hill Gas Reservoirs in Yangshuiwu and its Significance Lei ZHAO, Exploration and Development Research institute of Huabei Oilfield Company

15:15-15:30	<p>IFEDC202314362</p> <p>Lower Limit of Carbonate Reservoirs and its Exploration Significance in Lower Paleozoic of Tarim Basin</p> <p>Cai-jun LI, China University of Petroleum (Beijing)</p>
15:30-15:45	<p>IFEDC202313562</p> <p>Study on Dynamic and Static Interpretation Method of Oil and Water Layers in L Oilfield</p> <p>Dong-mei JIA, No.8 Oil Production Company of Daqing Oilfield Limited Company</p>
15:45-16:00	<p>IFEDC202314035</p> <p>Analysis and Formation Reasons of Scale Formation Products in Longdong Chang 7 Shale Oil Shaft</p> <p>Zhi-jie HU, Research Institute of Petroleum Exploration and Development of the Changqing Oil Field, Senior Engineer</p>
16:00-16:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
<p>Sedimentary Geology & Sequence Stratigraphy</p>	
16:30-16:50	<p>IFEDC202313330</p> <p>Sedimentary Types, Characteristics and Genesis of Carbonate Platform Tidal Channel in M Formation of a Oilfield in the Middle East</p> <p>Yi-chang YU, China Petroleum International Exploration and Development Co., Ltd., Senior Engineer</p>
16:50-17:10	<p>IFEDC202314520</p> <p>A New Beach-Bar Sedimentary Type and its Distribution Prediction in Es4s of Dongying Depression</p> <p>Ji-yan LI, Research Institute of Petroleum Exploration & Development, Shengli Oilfield Company, Chief Engineer</p>
17:10-17:30	<p>IFEDC202314365</p> <p>Paleocurrent Direction Reconstruction Research Progress and Development Trend</p> <p>Chen-lin HU, Xinjiang University, Associate Professor</p>

17:30-17:45	IFEDC202313882 Ordovician Lithostratigraphic Sequence and Sedimentary Evolution in the Middle Section of the Western Ordos Basin Jing-zhe GUO, Department of Geology, Northwestern University
17:45-18:00	IFEDC202315657 Analysis of Exploration Prospects for the Reef and Beach Body at the Platform Edge of the Yijianfang- Yingshang Section in the East of Gucheng District Yang Liu, The E&D Research Institute of Daqing Oilfield Company Ltd., Senior Engineer
18:30-20:30	Buffet Dinner
22 September, 2023	
Host: Bi-jin WANG, Sinopec Jiangnan Oilfield Branch Company, Deputy General Manager Guo-yong LI, PetroChina Jidong Oilfield Branch Company, Chief Geologist	
Comprehensive Study	
8:00-8:15	IFEDC New Progress and Key Technologies in Shale Oil Exploration in the Ordos Basin Xian-yang LIU, PetroChina Changqing Oilfield Branch, Chief Expert,
8:15-8:30	IFEDC202313910 Full-depth Velocity Modeling Techniques for Kelasu Tectonic Belt in Tarim Basin Bing FANG, Tarim Oilfield Company, Senior Engineer
8:30-8:45	IFEDC202315739 Seismic Search-Magnetic oil exploration -Underworld view-artificial visualization with sensors Hamdullah UCAR, Turkey 2D/3D, Senior Observer-Electric Electronic Engineer
8:45-9:00	IFEDC202313403 Development Mechanism of Lacustrine High-Quality Hydrocarbon Source Rocks of Nenjiang Formation in Northern of Songliao Basin Qing-hua FAN, Exploration and Development Research Institute of Daqing Oilfield

	Company, Senior Engineer
9:00-9:15	<p>IFEDC202315810</p> <p>The Development Planning of Ronier & Mimosa Oilfields in Bongor Basin, Permit H, Chad</p> <p>Nasser Ndilngue, CNPC International (Chad Company), Petroleum Engineer</p>
9:15-9:30	<p>IFEDC202313457</p> <p>Early Cretaceous Volcanism and Its Control on Tectonic Framework in the Santos Basin, offshore Brazil</p> <p>Xiao-fa YANG, Research Institute of Petroleum Exploration Volcanism Development</p>
9:30-9:40	<p>IFEDC202315779</p> <p>Expansion of the Best Scientific and Technical Practices of Rosneft Oil Company for the International Projects Support in the Middle East</p> <p>Artem Petrov, Institute of Geology and Development of Fossil Fuels (IGIRGI), Principal Project Engineer</p>
9:40-9:50	<p>IFEDC202315779</p> <p>Expansion of the Best Scientific and Technical Practices of Rosneft Oil Company for the International Projects Support in the Middle East</p> <p>Artem Petrov, Institute of Geology and Development of Fossil Fuels (IGIRGI), Principal Project Engineer</p>
9:50-10:00	<p>IFEDC202314490</p> <p>Analysis on Microscopic Characteristics of Scaling Products of Chang 7 Shale Oil in Longdong Area of Ordos Basin</p> <p>Wei-wei Yang, Research Institute of Petroleum Exploration Microscopic Development, Senior Engineer</p>
10:00-10:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
10:30-10:45	<p>IFEDC202314736</p> <p>Type and Distribution of Carbonate Rock Interlayer and Its Influence on Gas-water Systems Division -Case Study of the West Inner-Platform Gas Fields in the Amu Darya Basin</p> <p>Ming LI, Research Institute of Petroleum Exploration&Development, Senior Engineer</p>

10:45-11:00	<p>IFEDC202313343</p> <p>Petroleum System Characteristics and Exploration Potential of M Basin, South Sudan</p> <p>Zhi LI, Research Institute of Petroleum Exploration Characteristics Development, Deputy Director</p>
11:00-11:10	<p>IFEDC202315799</p> <p>Classical Physical Laws Refinement Based on a New Fourier Splines Theory Relatively Electro-Magnetic-Gravitational-Seismic Prospection in Geophysics</p> <p>Aleksey S Gorshkov, Monarch, IT, Developer</p>
11:10-11:20	<p>IFEDC202313886</p> <p>Evolution Characteristics of Hydrocarbon Generation and Expulsion of Different Types of Organic Matter-Take Beier Sag in Hailaer Basin as an Example</p> <p>Yan-shuang JIA, Research Institute of Petroleum Exploration of Development,</p>
11:20-11:30	<p>IFEDC202315795</p> <p>South Caspian Sea – West Baluchestan region, Middle East: some data on Alpine magmatism - tectonics - oil-gas and constraints</p> <p>Alexander E. Romanko, Geological Institute, Academy Sci, Senior Researcher</p>
11:30-11:40	<p>IFEDC202315549</p> <p>Study on Hydrocarbon Migration of Complex Flower-Like Structure and Discovery of High Abundance Reservoir in Central and Southern Bohai Sea Area</p> <p>Wen SU, Tianjin branch of CNOOC China Limited.</p>
11:40-11:50	<p>IFEDC202315448</p> <p>The Formation Mechanism and Evolutionary Characteristics of the Deyang-Anyue Ancient Rifting in the Dengying Formation in the Southern Sichuan Region</p> <p>Rui-qi GAO, Research Institute of Petroleum Exploration mechanism Development</p>
11:50-12:00	<p>IFEDC202314813</p> <p>Tectonic Sedimentary Characteristics and Hydrocarbon Accumulation Conditions of the Colorado Basin, Offshore Argentina</p> <p>Hai-guang BIAN, Research Institute of Petroleum Exploration and Development, Senior Engineer</p>
12:00-14:00	<p>Buffet Lunch and Break</p>

Session 2 Qinghualang Hall, 2nd Floor

Geophysical Exploration Technology

Co-organized by: Sinopec Institute of Petroleum Geophysical Exploration Technology

Convener: Guang-hui HU

Date: 20-22 September, 2023

20 September, 2023	
Host: Jie-yuan NING, School of Earth and Space Sciences, Peking University, Vice Dean Zhao-yun ZONG, School of Earth Sciences, China University of Petroleum (East China), Vice Dean,	
Seismic Data Acquisition and Application	
14:00-14:20	IFEDC Intelligent Suppression Method and Application of Pre-Stack Seismic Noise Based on Sparse Representation Theory Xiao-kai WANG, Xi'an Jiaotong University, Professor
14:20-14:40	IFEDC202315420 Research and Application of Acoustic Time Difference Method to Restore Denudation Thickness in Sujia Area Dan-dan YANG, Geophysical Exploration and Research Institute of Jilin Oilfield Company, Senior Engineer
14:40-15:00	IFEDC202313573 Fine Exploration of South Turgay Rift Basin, Kazakhstan Wei YIN, PetroChina Research Institute of Petroleum Exploration & Development, CNPC, Senior Engineer
15:00-15:15	IFEDC202313549 Application of Sequence Constraint Pre-Stack Inversion Technology in Tight Sandstone Reservoir Prediction in Lin-Xing Gas Field Li-Ming LIN, China United Coalbed Methane Corporation Ltd

15:15-15:30	IFEDC202313749 Application of Characteristic Curve Reconstruction Technique in Thin Interreservoir Prediction in Gulong Area Zhi Ji, Exploration and Development Research Institute Daqing Oilfield Company Limited
15:30-15:45	IFEDC202315539 Double ' Sweet Spot ' Prediction Technology and Application Effect of Shale Oil in Ordos Basin Xu-yang SONG, Changqing Branch of Geophysical Research Institute, BGPInc. of CNPC
15:45-16:00	IFEDC202314725 An Adaptive Reflection Point Encryption and Stacking Imaging Method for Cross well Seismic Based on Fresnel Beam Weight Function Fei-long YANG, Xi'an Shiyu University, Lecturer
16:00-16:30	Tea/Coffee Break and E-poster Session for Knowledge Sharing
Seismic Data Acquisition and Application	
16:30-16:45	IFEDC202315599 Ultra-deep Jurassic Acquisition Technology and its Application in Dual-Complex Low S/N Ratio Area, Qaidam Basin Yong-guo WU, BGP, CNPC, Senior Engineer
16:45-17:00	IFEDC202313979 Quality Control Technology and Application for Node Data Collection Lei WANG, Shengli Oilfield Geophysical Exploration Research Institute
17:00-17:15	IFEDC202314522 Study on Deep Fault System and Volcanic Rock Depth Using Gravity and Magnetic Data: An Example from Permian Volcanic Rocks in Western Sichuan Basin Li Pan, Exploration and Development Research Institute, PetroChina Southwest Oil and Gas Field Company

17:15-17:30	<p>IFEDC202313383</p> <p>The Relationship Between S-Wave Data and Excitation Angle is Analyzed by Radial Arrangement Test</p> <p>Fei WANG, Eastern Geophysical Exploration Company Daqing Oilfield Company Limited</p>
17:30-17:45	<p>IFEDC202314109</p> <p>Application and Discussion of Diving-Wave Land Full-Waveform Inversion in Complex Mountainous Areas in Western China</p> <p>Yong Fang Daqing Oilfield Company Limited</p>
17:45-18:00	<p>IFEDC202315135</p> <p>Elastic Full Waveform Inversion of the High-speed Rail Seismic Source</p> <p>Chao-pu Chen Institute of Geology and Geophysics, Chinese Academy of Sciences</p>
18:30-20:30	<p>Excellent Paper Awards Ceremony</p> <p>Eurasian Hall 2nd Floor</p>
<p>21 September,2023</p>	
<p>Host:</p> <p>Bo LI, Sinopec Institute of Petroleum Geophysical Technology, Chief Expert</p> <p>Wei ZHANG, South University of Science and Technology of China, Deputy Director</p>	
<p>Seismic Data Acquisition and Application</p>	
8:00-8:15	<p>IFEDC</p> <p>Two-Azimuth Data Processing for Time-Lapse Seismic Residual Fluid Prediction: A Case Study from Huizhou Oilfield in The South China Sea</p> <p>Xi-sheng LI, CNOOC Shenzhen Branch Company, Senior Expert</p>
8:15-8:30	<p>IFEDC202315449</p> <p>Seismic Attribute Construction of Fault Scale Indicator Based on Coherence Versus Frequency</p> <p>Bo-hua ZHU, Sinopec Geophysical Research Institute</p>

8:30-8:45	IFEDC202314223 Research and Application of Seismic Acquisition in Complex Surface Areas of Southwest Sichuan Yuan-yi Huang, Zhejiang Oilfield Company, CNPC
8:45-9:00	IFEDC202314443 Investigation of the Interpretation Technique and Seismic Attribute Application of Seismic Data in the Depth Domain Xu-guang Dong, Sinopec Geophysical Daqing Oilfield Company Limited
9:00-9:15	IFEDC202314244 Discussion on the Selection and Uniformity of Physical Points in Seismic Acquisition Wen-rui Xu, BGP, CNPC Daqing Oilfield Company Limited
9:15-9:30	IFEDC202314207 Nodal Seismic Data Management and Processing Research Xiang-gong TANG, Geophysical Research Institute of Shengli Oilfield Branch, SINOPEC
9:30-9:40	IFEDC202313400 Discussion on the Influence of Quantum Node Inclination on Seismic Acquisition Data in Zi-gong Area in South Sichuan Sheng-hua YU, Daqing No.2 Geophysical Exploration Company
9:40-9:50	IFEDC202314401 Seismic Data Acquisition Experiment Based on Compressive Sensing Qi-wei ZOU, Nanjing GeoButton Daqing Oilfield Company Limited
9:50-10:00	IFEDC202313858 Seismic Acquisition Technology to Improve the Resolution of DQJ in Songnan Changling Fault Depression Chun-bo LUO, Daqing No.2 Geophysical Exploration Company of BGP Inc. of CNPC
10:00-10:30	Tea/Coffee Break and E-poster Session for Knowledge Sharing
10:30-10:45	IFEDC202315048 3D Seismic Acquisition Technology and Application Effect of Complex Thrust Belt in Eastern the Junggar Basin Wen-pei GU, Tuha Department of BGP in CNPC

10:45-11:00	<p>IFEDC202314008</p> <p>Application of a Seismic Weak Signal Enhancement Method in a Certain Work Area</p> <p>Yun-zhao YAN, Southwest Petroleum University</p>
11:00-11:15	<p>IFEDC202315193</p> <p>Application of Adaptive VMD Algorithm in High-speed Rail Seismic Signal Extraction</p> <p>Yang Lei, College of Information Science and Technology, Beijing University of Chemical Technology</p>
11:15-11:30	<p>IFEDC202315288</p> <p>Seismic Exploration of Unconventional Reservoirs for Exploration and Development: A Case Study of Tight Gas in Sichuan</p> <p>Hua-hui Zeng, Research Institute of Petroleum Exploration & Development-Northwest (NWGI), PetroChina</p>
11:30-11:40	<p>IFEDC202314386</p> <p>Discussion on Ultra-Deep Strata Seismic Exploration Method in the Junggar Basin</p> <p>Xiao Peng, Xinjiang Department of BGP, CNPC</p>
11:40-11:50	<p>IFEDC202315092</p> <p>Strong Background Reflection Attenuation Gradient Extraction Method Based on Sparse Inversion</p> <p>Wei Zhou, Chengdu University of Technology, College of Geophysics</p>
11:50-12:00	<p>IFEDC202315048</p> <p>3D Seismic Acquisition Technology and Application Effect of Complex Thrust Belt in Eastern the Junggar Basin</p> <p>Wen-pei GU, Tuha Department of BGP in CNPC</p>
12:00-14:00	<p>Buffet Lunch and Break</p>
<p>21 September,2023</p>	
<p>Host:</p> <p>Jiu-bing CHENG, Tongji University, Professor</p> <p>Jian-wei MA, Peking University, Professor</p>	
<p>Comprehensive Technology</p>	

14:00-14:15	IFEDC Q-compensated Reverse Time Migration Imaging Based on Linear Viscoelastic Mechanics Jie-yuan NING, School of Earth and Space Sciences, Peking University, Vice Dean
14:15-14:30	IFEDC Some Advancements on Elastic Wave Reverse Time Migration Sheng-chang CHEN, Zhejiang University, Professor,
14:30-14:45	IFEDC202313565 Research and Application of Anisotropic Prestack Inversion Technology Based on OVT Domain Dimension Reduction in Fracture Prediction Li-mei Sun, Daqing oilfield exploration Daqing Oilfield Company Limited
14:45-15:00	IFEDC202314461 Research on Elastic Wave Reverse Time Migration Method for Single Component Data Kun Tian, Shengli Geophysical Research Institute of SINOPEC
15:00-15:20	IFEDC202314545 Estimation of Spatial Correlation Parameters by Monte Carlo seismic inversion Ya-neng LUO, BGP, CNPC
15:20-15:40	IFEDC202313780 The Method of Establishing Equivalent Q Value Model for Compensating Medium Absorption Zhong-hua ZHAO, Exploration & Development Research Institute of Daqing Oilfield Company Limited
15:40-16:00	IFEDC202313565 Research and Application of Anisotropic Prestack Inversion Technology Based on Ovt Domain Dimension Reduction in Fracture Prediction Li-mei SUN, Daqing Oilfield Company Limited
16:00-16:30	Tea/Coffee Break and E-poster Session for Knowledge Sharing
16:30-16:45	IFEDC Reflection Full Waveform Inversion and its Application in Land Data Wen-cai XU, Sinopec Institute of Petroleum Geophysical Technology

16:45-17:00	<p>IFEDC202315281</p> <p>A High Resolution Multi-Wave Matching Technique Based on Singular Value Decomposition</p> <p>Dong-shan HUANG, BGP Southwest Geophysical Research Institute, CNPC</p>
17:00-17:15	<p>IFEDC202315593</p> <p>The application of DAS VSP-seismic Joint Exploration Technology in Offshore Oil and Gas Fields</p> <p>Yanhua WANG, Optical Science and Technology (Chengdu) Ltd</p>
17:15-17:30	<p>IFEDC202313808</p> <p>Application and Effect of Vibroseismic Ultra-high Productivity Acquisition Technology in the Southern Margin Thrust Belt of Santanghu Basin</p> <p>Ai-guo WU, Daqing Oilfield Company Limited</p>
17:30-17:40	<p>IFEDC202315717</p> <p>A New Method for solving the first arrival travel time using Physical Information-Constrained Graph Convolutional Neural Network</p> <p>Kai ZHAN, Chengdu University of Daqing Oilfield Company Limited</p>
17:40-17:50	<p>IFEDC202314796</p> <p>Shale Gas Well Tracking Based on Seismic, Geological and Engineering Integration</p> <p>HUANG CHENG, BGP Southwest Geophysical Research Institute, CNPC</p>
17:50-18:00	<p>IFEDC202315634</p> <p>The Control of Sedimentation by the Southwest Detachment Fault in the Baiyun Depression, Northern South China Sea</p> <p>Guan-yu ZHANG, School of Ocean and Daqing Oilfield Company Limited</p>
18:30-20:30	<p>Buffet Dinner</p>
<p>22 September, 2023</p>	
<p>Host:</p> <p>Xiao-tao WEN, School of Geophysics, Chengdu University of Technology, Vice Dean</p> <p>Ben-chi CHEN, Sinopec Technology Department, Senior Expert</p>	

8:00-8:15	IFEDC202314076 Research and Application of Intelligent Fault Detection Method Based on Multiscale Fusion and Enhancement Qing-zhen WANG, CNOOC Research Institute Daqing Oilfield Company Limited
8:15-8:30	IFEDC202315330 CRS is a Technology for Improving the Image of the Environment. the Results of the Technology Application on the Example of Real Data. Amiran Zurabovich Nedostupov, PetroTrace Services, Chief Geophysicist
8:30-8:40	IFEDC202314486 Forming Mechanism of Faults and Their Controlling Action on the Traps in Kelasu Structural Belt Yun-chao WANG, Korla Institute of BGP, CNPC
8:40-8:50	IFEDC202315553 A Velocity Anisotropic Modeling Method for the Hti Medium in the Surface of Gravel Zone Fan-yong KONG, BGP, CNPC
8:50-9:00	IFEDC202313692 Research and Application of Small-Scale Fault-Karst Characterization Technology in Maokou Formation in Luzhou Area Hao WANG, Exploration and Development Research Institute of PetroChina
9:00-9:10	IFEDC202313843 Studies on Least-square Reverse Time Migration of High-Steep Complicated Structures Qiang ZOU, Tarim Oilfield Branch, CNPC
9:10-9:20	IFEDC202315615 Research on the Response Characteristic and the Distribution Of Carbonate Reservoir in the Fourth Member of Dengying Formation in the Northern Slope of the Central Sichuan Paleo-Uplift Xiang XU, Exploration and Development Research Institute, PetroChina Southwest Oil Gasfield Company
9:20-9:30	IFEDC202313450 Research on Combination Suppression Technology of Interlayer Multiple Wave in Huhehu Depression Dong-sheng TIAN, Daqing Geophysical Exploration Inc. of BGP Inc. CNPC

9:30-9:40	<p>IFEDC202315419</p> <p>High Accuracy Velocity Inversion Technology for Medium-Deep Lacustrine Source Rock in Deep Stratum</p> <p>Xiao-zhang LI, CNOOC China Limited, Hainan Branch</p>
9:40-9:50	<p>IFEDC202313577</p> <p>Identification and Model Establishment of Strike-Slip Fault Systems in the Southern Margin of the Sichuan Basin</p> <p>Shi-yu ZHOU, Southwest Geophysical Research Daqing Oilfield Company Limited</p>
9:50-10:00	<p>IFEDC202314417</p> <p>Research of an Intelligent Velocity Picking Method Based on Multi-Information Feature Fusion</p> <p>Ce Bian, BGP Research & Development Center</p>
10:00-10:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
10:30-10:45	<p>IFEDC202314484</p> <p>New Understanding of Structural Development Characteristics in Northern Bozi</p> <p>Jun-yao PAN, Korla Branch of Bureau of Geophysical Daqing Oilfield Company Limited</p>
10:45-11:00	<p>IFEDC202315708</p> <p>Seismic Characterization of Rock Fractures By Q-Anisotropy Analysis (Qvoa) Validated By Numerical Simulation</p> <p>Tatiana Chichinina, Mexican Petroleum Institute, Research Associate</p>
11:00-11:15	<p>IFEDC202314508</p> <p>Dynamic Matching Pursuit Time-Frequency Analysis Technique and Application</p> <p>Chen Xu, BGP, CNPC</p>
11:15-11:30	<p>IFEDC202314579</p> <p>Design and Application of Dynamic Header Based on Geoeast-Ieco Platform</p> <p>Kun Zhou Research & Development Center, BGP INC.</p>
11:30-11:40	<p>IFEDC202315532</p> <p>The Method of Effective Pressure Prediction Driven by Well-Seismic Data</p> <p>Hong-xue ZHANG, Sinopec Jingwei Co., Ltd</p>
11:40-11:50	<p>IFEDC202313711</p> <p>Application of SGD Software in Well Location Tracking of Development Wells in Central Sichuan</p> <p>Chuan-hang HE, Southw Daqing Oilfield Company Limited</p>

11:50-12:00	IFEDC202313870 Application of Multi-Directional Grid Tomography Technology in Complex Mountainous Areas of Kuqa Xiao-guang LIU, Korla Branch of Research Institute of BGP
12:00-14:00	Buffet Lunch and Break

Session3 Hongkong Hall, 3rd Floor

Geophysical Well Logging

Co-organized by: CNPC Logging Co., Ltd.

Convener: Chun-hao YU

Date: 20-22 September, 2023

20 September, 2023	
Host: Chun-hao YU, CNPC Logging Co., Ltd., Chief Expert Ying-jie HU, PetroChina Liaohe Oilfield Branch Company, Chief Geologist	
Interpretation and Evaluation	
14:00-14:15	IFEDC202313632 Evaluation Method of Fracture Effectiveness Under the Condition Of Oil-Based Mud in Bozi and Dabei Yong AI, Research Institute of Exploration and Development, Tarim Oilfield Company, Petro China
14:15-14:30	IFEDC202314133 The Calculation Method of Splitting the Wireline Logging Oil Saturation to Oil and Gas Saturation Ming-fa YU, China National Logging Corporation
14:30-14:45	IFEDC202315236 Study on Logging Prediction Method of Chang-7 Shale Oil Productivity in Shanbei Area of Ordos Basin Rui-qiang CHI Exploration and Development Research Institute of PetroChina Changqing Oilfield Company

14:45-15:00	<p>IFEDC202314691</p> <p>The Research and Application of Direct Push Memory Acoustic Logging Evaluation in Ultra-Deep Fault-Control Carbonate Reservoirs</p> <p>Xing-neng WU, PetroChina Tarim Oilfield Branch Company</p>
15:00-15:15	<p>IFEDC202314180</p> <p>Conventional Logging Characterization Method of Tight Sandstone Reservoir Fractures in Northeast Sichuan</p> <p>Jie REN, Zhongyuan Oilfield Exploration and Development Research Institute, SINOPEC</p>
15:15-15:30	<p>IFEDC202315771</p> <p>Comparative Evaluation of Learning- and Fitting-based Permeability Modeling Approaches in a Tight Carbonate Reservoir</p> <p>Ehsan Haji Bolouri, Petroleum University of Technology, Research Assistant</p>
15:30-15:45	<p>IFEDC202315399</p> <p>Irreducible Water Saturation Determination and Fluid Identification methods in Carbonate Reservoirs: A Middle Eastern Case Study</p> <p>Chun-ding YANG, College of Geophysics and Petroleum Resources, Yangtze University, Wuhan</p>
15:45-16:00	<p>IFEDC202315503</p> <p>Study on Multi-Scale Evaluation Method of Fracture in Deep Marine Shale Reservoirs</p> <p>Yu-feng XIAO, PetroChina Research Institute of Petroleum Exploration &</p>
16:00-16:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
<p>Interpretation and Evaluation</p>	
16:30-16:50	<p>IFEDC202314068</p> <p>A Logging Evaluation Method for Shale Oil Well Productivity Considering the Mechanism of Fracturing and Infiltration Displacement</p> <p>Dao-jie CHENG, China Petroleum Logging Co., Ltd.</p>
16:50-17:10	<p>IFEDC202315797</p> <p>Advanced Porosity Prediction in Heterogeneous Oil Reservoirs: Using Novel Machine Learning and Deep Learning Techniques</p> <p>Harith Falih Hasan Al-Khafaji, China University of Geosciences, PhD Candidate</p>

17:10-17:30	<p>IFEDC202314677</p> <p>Quantitative Sequence Unit Division Based on Spectral Attribute Analysis: Taking the Lower Third Member of Shahejie Formation in K Oilfield as an Example</p> <p>Han-qing ZHAO, Tianjin Branch of CNOOC Ltd.</p>
17:30-17:45	<p>IFEDC202315246</p> <p>Wettability of Fengcheng Formation Shale in Mahu Sag, Junggar Basin, and its logging evaluation method</p> <p>Li-wei MU , Exploration Division, PetroChina Xinjiang Oilfield Company</p>
17:45-18:00	<p>IFEDC202315686</p> <p>Permeability Prediction of Carbonate Rock by Conventional Logging With Ma-Based Adaptive Model</p> <p>Peng-yu XU, College of Geophysics, Chengdu University of Technology,</p>
18:30-20:30	<p>Excellent Paper Awards Ceremony</p> <p>Eurasian Hall 2nd Floor</p>
<p>21 September,2023</p>	
<p>Host:</p> <p>Bao CHEN, China Petroleum Logging Co., Ltd, Vice General Manager</p> <p>Guang-zhi LIAO, China University of Petroleum (Beijing), Professor</p>	
<p>Method Experiment&Engineering Application</p>	
8:00-8:20	<p>IFEDC202314492</p> <p>Theoretical Simulation and Application Analysis of High Frequency Electromagnetic Wave Propagation Logging</p> <p>De-fu ZANG, Geosteering & Logging Research Institute, SINOPEC</p>
8:20-8:40	<p>IFEDC202314518</p> <p>Application Analysis of Negative Pressure Bulk Sampling Method in Deep Low Porous and Low Permeable Sandstone Reservoir</p> <p>Chao KONG, CNOOC EnerTech-Drilling & Production Co. Ltd</p>

8:40-9:00	IFEDC202315260 Application of Integrated Through-Hole Logging System in Oil and Gas Field Development Lin-hua GUAN, Geological Measurement and Control Technology Research Institute of Sinopec Jingwei Co., Ltd
9:00-9:20	IFEDC202314166 Experimental Study on the Transmission Law of Ultrasonic in Mud Shuo ZHANG, CNPC Engineering Technology R&D Company Limited
9:20-9:40	IFEDC202315411 Analytical Solution of Electromagnetic Field and Numerical Simulation of Apparent Resistivity of Induction Logging in POLIEd Formation Zhiying LIU, Oil Exploration and Development Research Institute of Sinopec Jiangnan Oilfield Company
9:40-10:00	IFEDC202313649 Research and Application on Measuring Casing Thickness and the Density of Cement Sheath by Using Three-Detector Density Logging Tool Xiao-long LI, PetroChina Tarim Oil Field
10:00-10:30	Tea/Coffee Break and E-poster Session for Knowledge Sharing
10:30-10:50	IFEDC202313508 Adaptation Study to Different Types of Nmr Logging in High Salinity Compound Saltwater Mud and Oil-Based Mud Cheng-rong WANG, TuHa Division
10:50-11:10	IFEDC202315775 LWD Quality Control: Standard Procedure Arthur Galechyan, Institute of Geology and Development of Fossil Fuels (IGIRGI), Domain Champion
11:10-11:30	IFEDC202315478 Application of 3D Induction Logging Response Analysis and Data Processing in Horizontal Wells Yan BAI, CNPC Logging Co., Ltd

11:30-11:45	<p>IFEDC202314902</p> <p>A Method for Improving the Measurement Accuracy of Nuclear Magnetic Resonance Fast Relaxation Signal</p> <p>Ying-ying MA, Key Laboratory of Exploration Technologies for Oil and Gas Resources of Education Ministry of Yangtze University</p>
11:45-12:00	<p>IFEDC202314354</p> <p>Preprocessing and Application of Resistivity Logging after Casing Data</p> <p>Qi-zhi HUANG, Research Institute of Petroleum Exploration & Development, Petrochina</p>
12:00-14:00	<p>Buffet Lunch and Break</p>
<p>21 September,2023</p>	
<p>Host:</p> <p>Min-jun QIN, China Petroleum Group Logging Co., Ltd., Chief Expert</p> <p>Wei-qin LI, Southwest Petroleum University, Professor</p>	
<p>Comprehensive Study & New Technology Application</p>	
14:00-14:20	<p>IFEDC202314229</p> <p>A New Fracturing Result Evaluation Method Based On Borehole Time-Domain Electromagnetic</p> <p>Zhan-shan XIAO, China National Logging Corporation</p>
14:20-14:40	<p>IFEDC202313599</p> <p>Key Technologies for Logging Evaluation of Continental Shale Oil & Gas in Jurassic Lianggaoshan Formation, Sichuan Basin</p> <p>Xu-quan HE, Exploration and Development Research Institute</p>
14:40-15:00	<p>IFEDC202315075</p> <p>Logging Classification and Evaluation Criteria for Marine Shale Reservoirs of Wujiaping Formation</p> <p>Yong-jun YAO, Chongqing Gas Field, PetroChina Southwest Oil&Gasfield Company</p>
15:00-15:20	<p>IFEDC202314222</p> <p>The Research on The Key Techniques For Logging Evaluation of The Carbonate Reservoir Under Gypsum-halite Layer</p> <p>Mu YU, China National Logging Corporation</p>

15:20-15:40	<p>IFEDC202313662</p> <p>A Novel Study on Classification Method of Complex Carbonate Reservoir Type: A Case on XX Oilfield in the Caspian Basin</p> <p>Ya-ping LIN, RIPED, CNPC</p>
15:40-16:00	<p>IFEDC202314057</p> <p>Application and Research of Fmi Electroimaging Combined With P-Type Nuclear Magnetic Logging in Key Wells In Sichuan and Chongqing Area</p> <p>Xiong-hui ZHANG, Materials and Equipment Company of China Petroleum Logging</p>
16:00-16:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
<p>Other Wellbore Technologies</p>	
16:30-16:50	<p>IFEDC202313396</p> <p>Research and Application of Key Technologies of Fixed Angle Perforation</p> <p>Kun YANG, Testing Branch</p>
16:50-17:10	<p>IFEDC202315390</p> <p>Application of the New 102 Ultra-Deep Penetration Perforator in the Fx-1 Well</p> <p>Shan CAI, Daqing Oilfield Co., Ltd. Oil Trial Production Branch</p>
17:10-17:30	<p>IFEDC202314828</p> <p>Remote Synchronization of Logging Data Based on Zeroc Ice Framework</p> <p>Liang LI, Exploration and Development Research Institute of PetroChina Changqing Oilfield Company</p>
17:30-17:45	<p>IFEDC202313434</p> <p>Evaluation Method and Application of Coring Difficulty Index in the Bohai Oilfield</p> <p>Shao-long JIANG, CNOOC Energy Development Co. LTD</p>
17:45-18:00	<p>IFEDC202313372</p> <p>Classification of Geological Factors in Difficult Well Logging Interpretation and Oversea Cases Study</p> <p>Xu-dong DU, China National Logging Corporation</p>
18:30-20:30	<p>Buffet Dinner</p>
<p>22 September,2023</p>	

Host: Wen-zheng YUE, China University of Petroleum (Beijing), Professor Dao-jie Cheng, CNPC Logging Co., Ltd., Senior Engineer	
8:00-8:20	IFEDC202315065 Heterogeneity Evaluation of Tight Sandstone Reservoirs Based on Electrical Imaging Logging Wen-jiao ZHANG, Logging Company, Matrix corporation, SINOPEC
8:20-8:40	IFEDC202315321 Development and Application of FITS Through-drilling-tool Logging System Yu-bei XIE, Logging Technology Research Institute
8:40-9:00	IFEDC202315570 A Novel Method for Oil/Water Layer Identification Based on Conventional Logging and Its Application: A Case Study of Jurassic Sandstone Reservoir in X Area , Ordos Basin Shang-feng YANG, Sinopec Geophysical Research Institute Co.
9:00-9:20	IFEDC202315154 Research on the Effectiveness Evaluation Method of Tight Sandstone Reservoir Based on Nuclear Magnetic Resonance Logging Mu QIAN, Research Institute of Exploration and Development of PetroChina Changqing Oilfield Company
9:20-9:40	IFEDC202313504 An intelligent Depth Correction Method for Logging Curves Based on Pearson Correlation Coefficient and DTW Peng LIN, China Research Institute of Radiowave Propagation
9:40-10:00	IFEDC202314316 Logging Identification and Evaluation Method for Bitumen-Bearing Reservoirs Jue HOU, Research Institute of Petroleum Exploration and Development (RIPED)
10:00-10:30	Tea/Coffee Break and E-poster Session for Knowledge Sharing
10:30-10:50	IFEDC202314924 Reservoir Identification and Classification Based On Principal Component Analysis and Supervised Neural Network in Carbonate Rocks Xi-ning LI, China National Logging Corporation

10:50-11:10	IFEDC202314894 Study on Identification Methods and Countermeasures of Supercharge for Wireline Formation Testing Zhi-liang TAN, China National Logging Corporation
11:10-11:30	IFEDC202313986 Denoising of Seismoelectric Logging Signal Based on Stochastic Resonance Shan-shan MA, Southwest Petroleum University
11:30-11:45	IFEDC202314877 Evaluation and Application of Bedrock Mechanical Parameters Based on X-ray diffraction Zhi-hu ZHANG, CNOOC EnerTech-Drilling & Production Co.
11:45-12:00	IFEDC202315342 Estimation of Saturation Height Function Using Capillary Pressure and the Analysis of Influencing Factors Un-wei JIANG, China National Logging Corporation
12:00-14:00	Buffet Lunch and Break

Session4 Manjianghong Hall, 2nd Floor

Fine Reservoir Description

Co-organized by: Shandong Key Laboratory of Reservoir Geology;

Convener: Xian-guo ZHANG

Date: 20-22 September, 2023

20 September, 2023	
Host: Cheng-yan LIN, China University of Petroleum (East China), Professor Gang WU, Exploration and Development Research Institute of Sinopec Shengli Oilfield Branch, Researcher	
Reservoir Research and Prediction	
14:00-14:20	IFEDC202315040 Characterization of Sand Body Configuration and Porosity Prediction in Fan Delta Front subFacies ——Taking the Upper Urhe Formation of the Permian in the ST1 well area as an example Ting XIONG, Geological Institute of Xinjiang Oilfield Exploration and Development Research Institute
14:20-14:40	IFEDC202313684 Characterization of Shale Pore Structure Using Ct Scanning Technology: a Case Study in Ordovician Wulalike Formation of Ordos Basin Yong-gang XIE, Research InOrdosite of Petroleum Exploration Shale Development,
14:40-15:00	IFEDC202314432 Tight Gas Sandstone Formation Lithology Classification using Deep Learning Networks Zong-jun WANG, CNOOC Research Institute Co., Ltd

15:00-15:15	IFEDC202315200 Prediction and Evaluation of Turbidite Reservoir in Es3 in Dongying Depression Li BAN, Research in Dongyingitute of Petroleum Exploration evaluation Development,
15:15-15:30	IFEDC202314778 Quantitative Prediction Method of Thin Interbedded Reservoirs Based on Geostatistics Inversion Xiao SHU, Research Ingeostatisticsitute of Petroleum Exploration Method Development,
15:30-15:45	IFEDC202315058 Dynamic Rock Typing Study and Application of Complex Carbonate Reservoir in Middle East Jia YU, CCDC Geological Exploration &Development Research Institute
15:45-16:00	IFEDC202315147 Research on Geological Modeling of Multilayer Water Invasion Gas Reservoirs of Member 2 of Jialingjiang Formation in Moxi gas field Ji-fu RUAN, Research Institute of Petroleum Exploration Geological Development,
16:00-16:30	Tea/Coffee Break and E-poster Session for Knowledge Sharing
16:30-16:45	IFEDC202314755 Classification and Main Controlling Factors of Low Permeability Carbonate in the Lower Part of Cretaceous Mishrif Formation, W oilfield, Iraq Zi-hao LIU, Research Inoilfielditute of Petroleum Exploration Main Development,
16:45-17:00	IFEDC202313789 Research on Numerical Simulation by Architecture Modeling of Meandering River Sand Body Zhen-qiang BAI, Research InSanditute of Petroleum Exploration Numerical Development,
17:00-17:15	IFEDC202314402 Fracture Modeling Method of Asmari Formation Carbonate Reservoir in G Oilfield, Middle East Fu-ting SUN, CNOOC International Limited
17:15-17:30	IFEDC202315165 Carbonate fracture-cave reservoir identification method based on decision tree algorithm: A case study of NWKK oilfield in Kazakhstan

	Kang CAO, Research Institute of Petroleum Exploration and Development,
17:30-17:45	IFEDC202314572 Research on low frequency petrophysical characteristics and modeling of carbonate TEZHEN-vuggy reservoir Fei CHEN, Research Institute of Geophysical Prospecting of Shengli Oilfield, Sinopec
17:45-18:00	IFEDC202315626 Reservoir Rock Typing Method and Application Based on geological and petrophysical features——Taking the Porous Bioclastic Limestone Reservoir in Iraq A Oilfield as An Example Shi-qi SONG, Research Institute of Petroleum Exploration and Development,
18:30-20:30	Excellent Paper Awards Ceremony Eurasian Hall 2nd Floor
21 September, 2023	
Host: Xian-guo Zhang, China University of Petroleum (East China), Professor Dong-ping DUAN, CNOOC Shanghai Branch Research Institute, Senior Engineer	
Fine Description	
8:00-8:15	IFEDC202313535 Precise Depicting Meandering River Reservoirs Under Large Well Spacing in Offshore and its Application: An Example from Minghuazheng Formation In Bohai KI-A Oilfield Liang-tao MA, CNOOC Research Institute Ltd
8:15-8:30	IFEDC202313647 Fine Prediction and Description of Lithology-Reservoir-Fluid in Southeastern Margin Slope Belt of the Pre-Caspian Basin Le-yuan FAN, International Company of China National Logging Corporation
8:30-8:45	IFEDC202313699 Effect of interlayer on bottom water advance in bottom water gas reservoir - A case study of edge reef gas field in the Amu Darya Basin

	Ming LI, Research Institute of Petroleum Exploration&Development
8:45-9:00	IFEDC202314353 Research and Application of Shale Oil Fracture Prediction Method Based on Pre-stack Anisotropy Analysis Jing WANG, Shengli Oilfield Exploration and Development Research Institute of SINOPEC
9:00-9:15	IFEDC202313762 Application of Multi-attribute Clustering Technology to Description of Fault-controlled Fracture-cavity Reservoirs in Changxing Formation, Longgang Area Shuang HAN, Research InLonggangitute of Petroleum Exploration Multi Development,
9:15-9:30	IFEDC202315602 Research on Method of Predicting Sandbody Distribution of Tight Sandstone Gas Reservoirs Based on ArcGIS Yong-gang ZHAO, Xi'an Shiyou University
9:30-9:45	IFEDC202313869 Application of Pre-stack Inversion in Fine Potential Tapping of Old Oilfields Hui-dong YANG, Research InOlditute of Petroleum Exploration Pre Development,
9:45-10:00	IFEDC202313449 Low Order Fault Fine Description Method in Complex Fault-Block Reservoir Based on Edge Detection Constrained by Inclined Direction Haiting ZHOU, Research Ininclineditute of Petroleum Exploration fault Development,
10:00-10:30	Tea/Coffee Break and E-poster Session for Knowledge Sharing
10:30-10:45	IFEDC202313275 Application of a Multi-Technique Fusion Approach on Fine Characterization of Volcanic-Channel Boundaries Rong-sheng HE, CNOOC Research Institute Ltd.
10:45-11:00	IFEDC202314340 Characterization of Micro-Nano Pore Structure of Tight Sandstone Based on Nuclear Magnetic Resonance Experiments (NMR) Xiong-wei LIU, Research Inexperimentsitute of Petroleum Exploration micro Development,

11:00-11:15	<p>IFEDC202313698</p> <p>Application of Structured Storage and Sharing Of Detailed Reservoir Description Results</p> <p>Tao SUN, Daqing Oilfield Co., Ltd</p>
11:15-11:30	<p>IFEDC202313262</p> <p>Fine Characterization and Remaining Oil of the East West Second Class Oil Reservoir in the North First Block of Changyuan Oilfield</p> <p>Sheng-xiang HU, PetroChina Daqing Oilfield Exploration and Development Research Institute</p>
11:30-11:45	<p>IFEDC202314390</p> <p>Quantitative Characterization and Evaluation Techniques for Remaining Oil in Offshore High Water Cut and High Recovery Oilfields</p> <p>Rui-bin LU, Research Inrecoveryitute of Petroleum Exploration and Development,</p>
11:45-12:00	<p>IFEDC202313751</p> <p>The Characterization of Fan Delta Front Based on The Human–Machine Interactive Measurement and Flume Experiment</p> <p>Ke ZHANG, China Zhenhua Oil Co., Ltd.</p>
12:00-14:00	Buffet Lunch and Break
21 September, 2023	
<p>Host:</p> <p>Xing-li YANG, Yanchang Oilfield Co., Ltd., Senior Engineer</p> <p>Li-hua REN, China University of Petroleum (East China), Associate Professor</p>	
14:00-14:20	<p>IFEDC202315453</p> <p>Petrological Characteristics And Fracture Control Of Archean Buried Hill Metamorphic Rocks In Bz26-A Oil Field</p> <p>Yuan-yuan JIANG, CNOOC Research Institute Co Ltd</p>
14:20-14:40	<p>IFEDC202315791</p> <p>Permeability Evolution During Cyclic Loading and Colloids Migration</p> <p>Evgenii Vasilevich Kozhevnikov, Perm National Research Polytechnic University, Associate Professor</p>

14:40-15:00	<p>IFEDC202315531</p> <p>Characterization and Appraisal of Reservoir Heterogeneity of the Lower Mishrif Formation in AD Oilfield, Central Mesopotamian Basin, Iraq</p> <p>Huan WANG, Research Institute of Petroleum Exploration Appraisal Development</p>
15:00-15:20	<p>IFEDC202315383</p> <p>Exploration and Understanding of Fault Identification and Automatic Fault Surface Establishment Technology—A Case Study of Upper Paleozoic in Longdong Area</p> <p>Peng-fei LI, Exploration office, Changqing Oilfield Company, PetroChina</p>
15:20-15:40	<p>IFEDC202315234</p> <p>Application of Deep Learning Strike-Slip Fault Detection in Shunbei Area of Tarim Basin</p> <p>Rui-yu GAO, Sinopec Nanjing Geophysical Research Institute</p>
15:40-16:00	<p>IFEDC202315453</p> <p>Petrological Characteristics and Fracture Control of Archean Buried Hill Metamorphic Rocks in Bz26-A Oil Field</p> <p>Yuan-yuan JIANG, CNOOC Research Institute Co Ltd</p>
16:00-16:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
<p>Technical Methods and Applications</p>	
16:30-16:45	<p>IFEDC202314004</p> <p>Study on Quantitative Calculation Method of Water-Flooded Thickness of Thick and Heavy Oil Reservoir in Je Oilfield</p> <p>Zhi-qiang ZHU, Tianjin Branch of CNOOC Ltd.</p>
16:45-17:00	<p>IFEDC202315637</p> <p>A Case Study of Semi-automatic Interpretation Technology for Fault Systems in Complex Fault Block Oil Reservoirs</p> <p>Yan NIE, CNOOC Research Institute Ltd.</p>
17:00-17:15	<p>IFEDC202313399</p> <p>Prediction Method of Thick Braided River Reservoir Interlayer Based on Probability Volume Truncation Value</p> <p>Gang WU, Exploration and Development Research Institute</p>

17:15-17:30	<p>IFEDC202313984</p> <p>Application of Reservoir Simulation in Production and Development Management</p> <p>Zhi-wei WANG, School of Petroleum Engineering, China University of Petroleum</p>
17:30-17:40	<p>IFEDC202315353</p> <p>A New Fracture Model Integrating Geological Anatomy and Geophysical Detection: A Case Study of Tight Gas Reservoir in West Sichuan Basin, China</p> <p>Xiao-fei SHANG, Petroleum Exploration and Production Research Institute</p>
17:40-17:50	<p>IFEDC202313914</p> <p>Research on Adaptive Estimation Method of Dry Rock Modulus Based on Mineral Elastic Modulus Calibration Algorithm</p> <p>Ying ZHENG, CNOOC Research Institute Co.,Ltd.</p>
17:50-18:00	<p>IFEDC202314004</p> <p>Study on Quantitative Calculation Method of Water-Flooded Thickness of Thick and Heavy Oil Reservoir in Je Oilfield</p> <p>Zhi-qiang ZHU, Tianjin Branch of CNOOC Ltd.</p>
18:30-20:30	Buffet Dinner
22 September,2023	
<p>Host:</p> <p>Yun-peng LI, China University of Petroleum (Beijing) , Professor</p> <p>Yu-qi WU, China University of Petroleum (East China), Lecturer</p>	
8:00-8:20	<p>IFEDC202314453</p> <p>Classification and Sedimentary Microfacies of Paleogene-Neogene Mixosedimentite in H Oilfield of Zagros Basin</p> <p>WANG LONG, CNOOC International Ltd</p>
8:20-8:40	<p>IFEDC202314424</p> <p>Characteristics of High Permeability Streak of Mishrif Formation in B Oilfield and Its Influence on Waterflood Development</p> <p>Pei-yuan CHEN, CNOOC International Limited</p>
8:40-9:00	<p>IFEDC202315751</p> <p>Optimizing Field development Plans through Reservoir simulation and Management</p> <p>Donald Hermann Ava, Drill Resources Oil and Gas Consulting, CEO</p>

9:00-9:15	<p>IFEDC202314988</p> <p>Seismic Prediction of Multiscale Fracture in Archaean Buried Hill Gas Field</p> <p>Pengjun FAN, CNOOC Research Institute Co., Ltd</p>
9:15-9:30	<p>IFEDC202315742</p> <p>Anisotropy Models and Parameters in Fractured Reservoir Characterization</p> <p>Tatiana Chichinina, Mexican Petroleum Institute, Research Associate</p>
9:30-9:45	<p>IFEDC202315583</p> <p>A Study on the Sedimentary System of Deep Marine Thin Sandstone in Middle East A Oilfield</p> <p>Yu-mei LIU, China Petroleum Exploration and Development Research Institute, Senior Engineer</p>
9:45-10:00	<p>IFEDC202315741</p> <p>A Fast-track Method to Estimate Reservoir Porosities from Petrophysical and Post-stack Seismic Data</p> <p>Mohammad F Asgharzadeh, Khajeh Nasir Toosi University of Technology, University Instructor</p>
10:00-10:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
10:30-10:45	<p>IFEDC202314816</p> <p>Reservoir Architecture Characterization and Rolling Development Based on Well Logging-Seismic-Reservoir Dynamic Information Fusion—A Case Study of Sha 1 Member in Block D of Nanpu Oilfield in the BHW Basin</p> <p>Jian DUAN, Research InBHWitute of Petroleum Exploration characterization Development,</p>
10:45-11:00	<p>IFEDC202315078</p> <p>Study on the Influencing Factors on the Saturation Index of the Vuggy Carbonates of the MX Group</p> <p>Yu-xiang ZHANG, Southwest Petroleum University</p>
11:00-11:15	<p>IFEDC202315450</p> <p>Study on Distribution of Remaining Oil in Fractured-Vuggy Reservoirs Considering Influence of Connected Structure Patterns</p> <p>Qi WANG, Research InStructureitute of Petroleum Exploration Distribution Development,</p>

11:15-11:30	<p>IFEDC202314203</p> <p>Dessert Identification and Application of Fractured Dense Sandstone Reservoir by Integration of Well-Seismic-Reservoir</p> <p>Jinwei WU, No.1 Oil Production Plant of Sinopec North China Oil and Gas Branch Company</p>
11:30-11:45	<p>IFEDC202315341</p> <p>Analysis of Gas Well Production Capacity Control Factors and Evaluation of Favorable Development Areas in the Maokou Formation in Central Sichuan</p> <p>Zhen-hua GUO, Research Incentralitute of Petroleum Exploration Gas Development,</p>
11:45-12:00	<p>IFEDC202313303</p> <p>Prestack Porosity Direct Inversion Based on Logging Constraints</p> <p>Hai-tao YAN, Chengdu University of Technology</p>
12:00-14:00	<p>Buffet Lunch and Break</p>

Session5 Taiwan Hall, 3rd Floor

Session A: Dynamic Reservoir Monitoring

Co-organized by: Yangtze University

Convener: Hui ZHAO, Dong YANG, Liang-jun YAN

Date: 20-22 September, 2023

20 September, 2023

Monitoring Technology

Host:

Hui ZHAO, Yangtze University, Professor

Jiang-tao LI, PetroChina Qinghai Oilfield Branch Company, Chief Expert

14:00-14:20	IFEDC202315014 Sand Production Monitoring Technology for Gas Well Production Layers Ming LI, Research Inproductionitute of Petroleum Exploration monitoring Development
14:20-14:40	IFEDC202314017 Dynamic Monitoring Method and Application Case of Hydraulic Fracturing Wells in Offshore Oilfields Li LI, CNOOC China Limited, Shenzhen Branch
14:40-15:00	IFEDC202314515 Application of Tracer Monitoring Technology in Dynamic Monitoring of Sulige Gas Field Xiao-chuang YE, Research InGasitute of Petroleum Exploration Tracer Development

15:00-15:20	<p>IFEDC202315132</p> <p>Application of Microgravity Monitoring Technology In Heavy Oil Sagd Reservoir Development</p> <p>Chao DING, Fengcheng oilfield operation area of PetroChina Xinjiang Oilfield Company</p>
15:20-15:40	<p>IFEDC202314624</p> <p>Development and Application of New Constant Differential Pressure Pump Module for Formation Tester</p> <p>Yong-chao CHEN, China Oilfield Services Limited</p>
15:40-16:00	<p>IFEDC202314593</p> <p>Application of High Temperature Long term Real time Monitoring Technology in Bohai Oilfield</p> <p>Zhi-long LIU, CNOOC EnerTech-Drilling & Production Company</p>
16:00-16:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
16:30-16:50	<p>IFEDC</p> <p>Understanding Several Key Issues in Daily Well Testing Analysis</p> <p>Jia-en LIN, Xi'an Shiyou University, Professor</p>
16:50-17:10	<p>IFEDC202313659</p> <p>Application of Distributed Optical Fiber Temperature Water Injection Profile Logging Technology in Tuha Oilfield</p> <p>Yusheng ZHANG, Tuha Division</p>
17:10-17:30	<p>IFEDC202314274</p> <p>Production Profile Logging Technology and Application of Coiled Tubing Electric Submersible Pump in Low Liquid Volume Horizontal Wells</p> <p>Hong-zheng ZHU, Oil & Gas Technology Research Institute of Changqing Oilfield Company</p>
17:30-17:45	<p>IFEDC202314047</p> <p>Reserves Estimation for Ultra-deep Fault-controlled Fractured Cavity Carbonate Reservoirs</p> <p>Chao YAO, PetroChina Tarim Oilfield Company</p>

17:45-18:00	IFEDC202313987 A Method of Surface Electromagnetic Wave Transmission Across Discontinuous Structures in wellbore environment Zhao-xiang YANG, Research Institute of Petroleum Exploration & Development
18:30-20:30	Excellent Paper Awards Ceremony Eurasian Hall 2nd Floor
21 September, 2023	
Host: Dong YANG, School of Petroleum Engineering, Changjiang University, Professor Liang-jun YAN, Key Laboratory of Oil and Gas Resources and Exploration Technology, Ministry of Education, Vice Dean	
Comprehensive Technolog	
8:00-8:20	IFEDC202313417 Development and Application of the Oscillation Card Releasing Device for Direct-Reading Flowmeter Hua-qing ZHANG, Daqing oilfield limited company
8:20-8:40	IFEDC202315748 Rate Transient Analysis in Reservoirs with Low Permeability and Hydraulically Fractured Wells Using Acoustic Bottomhole Pressure Determination Cesar Calle Mondragon, Hidrocarburos Consultores – Ecuador, Reservoir Engineering Manager
8:40-9:00	IFEDC202315282 CFD Simulation of the micro-mechanism of Water Trapping Effect in Carbonate Gas Reservoirs Rui-lan LUO, Research Institute of Petroleum Exploration & Development

9:00-9:15	<p>IFEDC202315752</p> <p>Conventional and Unconventional Reservoirs Analytical Pressure-Time Solutions for a Well of Variable-Rate-Time Production</p> <p>Branimir Cvetkovic, Professor of Oil and Gas Engineering and Management Department at NUPP University Poltava</p>
9:15-9:30	<p>IFEDC202313722</p> <p>Evaluation the Oil Production Performance from Tight Oil Formations by Oil Layer Classification</p> <p>Tao WAN, China University of Petroleum (Beijing) at Karamay</p>
9:30-9:45	<p>IFEDC202315729</p> <p>Follow-up Changes in the Petroleum Reservoir in the Dynamic State Using High-Precision Sensors Set in the Well</p> <p>Mohamed AISSAINE, Sonatrach, Petroleum Engineer</p>
9:45-10:00	<p>IFEDC202315646</p> <p>The Application Study of Network Microseismic Monitoring Technology on Simultaneous Hydraulic Fracturing</p> <p>Jiang-hua CHANG, BGP Inc., CNPC</p>
10:00-10:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
10:30-10:45	<p>IFEDC202315113</p> <p>The application and development of tracer monitoring technology in oil fields</p> <p>Wei-yu CHEN, Cenertech Drilling&Production Co.</p>
10:45-11:00	<p>IFEDC202314521</p> <p>An Application of Extended Well Tests for Formation Characterization and Productivity Evaluation in Carbonate Reservoirs-A Brazilian Deep-water Reservoir Case</p> <p>Li-jun ZHANG, CNOOC Research Institute Co., Ltd</p>
11:00-11:15	<p>IFEDC202314083</p> <p>A Method for Automatically Picking up Effective Microseismic Events Based on U-Net Neural Network</p> <p>Jia TIAN, Xi'an Shiyou University</p>

11:15-11:30	IFEDC202314994 The Dynamic Monitoring Technology and Analysis Methods for Complex Structured Wells in Deep Carbonate Gas Reservoirs Rui-duo ZHANG, Research Institute of Petroleum Exploration Monitoring Development
11:30-11:40	IFEDC202313624 Development and Application of Test Nipple for Layered Pressure Measurement and Sealing Test Kai LIU, Daqing Oil Field Co., LTD. Test Technical Service Branch,the Third Team.
11:40-11:50	IFEDC202314581 Identification of Fracture Systems Heterogeneous Characteristics in Fractured Low Porous Sandstone Reservoirs Using Well Testing Methods Li DAI, Research Institute of Petroleum Exploration Fracture Development
11:50-12:00	IFEDC202315077 Research on the Interpretation Method of Injection Profile for Distributed Fiber Optic Temperature Logging Huang LIANG, Yangtze University
12:00-14:00	Buffet Lunch and Break

Session B: Coalbed Methane Exploration and Development

Co-organized by: Henan Polytechnic University

Convener: Xian-bo SU

Date: 21 September, 2023

21 September, 2023	
Host:	
Xian-bo SU, Henan Polytechnic University, Professor	
Shi-qi LIU, China University of Mining and Technology, Researcher	
14:00-14:15	IFEDC202313920 Experimental Study on the Influence of Fracturing Fluid on the Wettability of Medium and High Rank Coal Yu-hang XIAO, Research Institute of Petroleum Exploration on Development
14:15-14:30	IFEDC202315199 Optimization Selection of Coalbed Methane Reservoir Reconstruction in South China by Big Data Mining Da-zhi FANG, Sinopec Chongqing Shale Gas Co
14:30-14:45	IFEDC202314308 Practical Analysis of Deep Coalbed Methane Stimulation Xiao-long LI, SINOPEC petroleum exploration and production research institute
14:45-15:00	IFEDC202314700 Research on Development Law of Deep Coalbed Gas Reservoirs Yang ZHAO, PetroChina Research Institute of Petroleum Exploration and Development
15:00-15:10	IFEDC202314318 A Comparative Study of Pre-Stack Fracture Prediction Methods for Coal Bed Methane Feng ZHANG, Research Institute of BGP Inc. , CNPC
15:10-15:20	IFEDC202315765 Establishment of the Comprehensive Material Balance Equation For Coalbed Methane Reservoirs At The Gas Desorption Stage Dan XUE, University of Calgary, PhD Candidate

15:20-15:30	<p>IFEDC202313576</p> <p>Large-scale Seam Network Fracturing Practice In Deep Coal Reservoirs</p> <p>Cheng LUO, Petrochina Jidong Oilfield</p>
15:30-15:40	<p>IFEDC202315518</p> <p>Experimental Study on the Effect of Velocity Reduction on the Seepage Mechanism of Coal Rock</p> <p>Rui-shuai MA, China University of Petroleum (East China)</p>
15:40-15:50	<p>IFEDC202314776</p> <p>Comparison and Analysis Of Pore And Fracture Characteristics Of High-Rank Coal And Low-Rank Coal Under Sem</p> <p>Ya-lan ZHANG, Exploration& Development Research Institute, PetroChina Huabei Oilfield Company</p>
15:50-16:00	<p>IFEDC202313582</p> <p>Application of Underground Laser Raman Spectroscopy Technology in Coalbed Methane Wells in the Eastern Ordos Basin</p> <p>Yu-xia WANG, Northwestern University</p>
16:00-16:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
16:30-16:50	<p>IFEDC202315146</p> <p>Evaluation of Dynamic Physical Parameters of Coal Reservoir by Rate Transient Analysis And its Application</p> <p>Jia-hao CHAO, CNOOC Research Institute Co. LTD</p>
16:50-17:10	<p>IFEDC202314173</p> <p>Large-scale Network Fracturing Practice In Deep Coal Seam In Eastern Ordos Basin</p> <p>Cheng LUO, Research Institute of Petroleum Exploration network Development</p>
17:10-17:30	<p>IFEDC202313582</p> <p>The Application of Downhole Laser Raman Spectroscopy Technology in Coalbed Methane Wells in Eastern Ordos</p> <p>Yu-xia WANG, Research Institute of Petroleum Exploration of Development</p>

17:30-17:45	<p>IFEDC202314648</p> <p>Study on Influencing factors of scaling and salting out risk in deep coalbed methane Wells</p> <p>Yu-jie SUN, Research Institute of Petroleum Exploration and Development</p>
17:45-18:00	<p>IFEDC202314317</p> <p>Application of MGI inversion technology in coal seam thickness prediction</p> <p>Pei SUN, Research Institute of BGP Inc., CNPC</p>
18:30-20:00	Buffet Dinner

Session C: Natural Gas Hydrate Exploration and Development

Co-organized by: CNOOC Research Institute Co., Ltd

Convener: Qing-ping LI

Date: 22 September, 2023

22 September, 2023	
Host: Qing-ping LI, CNOOC Research Institute Co., Ltd, Senior Engineer	
8:00-8:15	To be confirmed
8:15-8:30	To be confirmed
8:30-8:45	To be confirmed

8:45-9:00	To be confirmed
9:00-9:15	IFEDC202315756 Some features of the Deep Structure of Large Hydrogen Degassing Zones Based on the Results of Frequency-Resonance Processing of Satellite and Photographs. Arzu Javadova, Institute of Applied Problems of Ecology, Geophysics and Geochemistry, Director
9:15-9:30	To be confirmed
9:30-9:45	IFEDC202315392 Effect of Temperature Disturbance on Shallow Gas Hydrate During Deepwater Drilling Huai-wen ZHANG, CNPC Engineering Technology R&D Company Limited
9:45-10:00	IFEDC202315823 Quantitative Evaluation of Microbial Gas Source of Natural Gas Hydrate in the Baiyun Sag, Pearl River Mouth Basin Yuan-ping LI, Shenzhen Branch of China National Offshore Oil Corporation Limited
10:00-10:30	Tea/Coffee Break and E-poster Session for Knowledge Sharing
10:30-10:45	IFEDC202314606 Study on the Performance Evolution of Phase Change Microcapsule Cement Slurry And its Application in Gas Hydrate Bearing Sediments in the South China Ming-ming ZHENG, Research Institute of Petroleum Exploration the Development
10:45-11:00	IFEDC202313473 Quantitative Simulation of Gas Hydrate Stability Zone with 3D Petroleum System Modeling Technology in the Shenhu Area, Northern South China Sea Jian-hua XU, Northeastern University/Beijing Kunyuanxinda Technology Co., ltd
11:00-11:15	IFEDC202315801 Comparison of Hydrate Formation Conditions Based on Previous Models Using Artificial Neural Network Mohammad Dousti, Sahand University of Technology, PhD Candidate

11:15-11:30	IFEDC202315201 The Effect of Polymerization Degree of Hydrate Inhibitor on Hydrate Formation: Molecular Dynamics Simulations and Experiments Bo LIAO, Research Institute of Petroleum Exploration and Development
11:30-11:45	IFEDC202314300 Reservoir Characteristics and Exploration Implications of Gas Hydrate Enrichment Area, the Qiongdongnan Basin Qi FAN, CNOOC Research Institute
11:45-12:00	IFEDC202315710 Optimal Design of Riserless Test String for Deep-Water Gas Hydrate Shu-Zhan LI, China University of Petroleum Beijing
12:00-14:00	Buffet Lunch and Break

IFEDC

Session6 Macao Hall, 3rd Floor

Reservoir Engineering and Management

Co-organized by: China Petroleum Exploration and Development Research Institute

Convener: Chang-bing TIAN

Date: 20-22 September, 2023

20 September, 2023	
Host: Chang-bing TIAN, China Petroleum Exploration and Development Research Institute, chief Expert Li-jun MU, PetroChina Changqing Oilfield Branch Company, Senior engineer	
Reservoir and Oil & Gas Reservoir Development	
14:00-14:15	IFEDC202313805 Study on Characteristics and Water Injection Stress Propagation Law of Low Permeability and Tight Sandstone Reservoir Before and after Water Flooding Li-hua SHI, Research Institute of Yanchang Petroleum (Group) Co.Ltd.
14:15-14:30	IFEDC202315789 The Oil Reserves Localization of Low Permeable Clastic Reservoirs with Order Layered Structure at the Mature Production Fields Aleksandr Kudiiarov, JSC GAZPROMNEFT-NOYABRSKNEFTEGAZ, Project
14:30-14:45	IFEDC202313847 Interlayer Development Characteristics and Water Flooding Strategy Optimization in Porous Carbonate Reservoirs: A Case Study from the MC1-1 Sub-member in B Oilfield, Iraq Yu ZHANG, CNOOC International Limited
14:45-15:00	IFEDC202313966 Study on Microscopic Seepage Mechanism during Fracturing Process in Tight Reservoir Xue-jiao LU, Research Institute of Petroleum Exploration microscopic Development,

15:00-15:15	<p>IFEDC202314182</p> <p>Optimal Design of Stimulation Measures in Low Permeability Carbonate Reservoirs: A Case Study in Iraq H Oilfield</p> <p>Jing YANG, Research Institute of Petroleum Exploration of Development,</p>
15:15-15:30	<p>IFEDC202314021</p> <p>Research and Practice of Integrated Precision Development of Geological Engineering Based on Single Sand Body Structure</p> <p>Jing-wei ZHU, PetroChina Daqing Oilfield Co.</p>
15:30-15:45	<p>IFEDC202314337</p> <p>Optimization of the Development Layer series under various periods for high dip angle reservoirs</p> <p>Xiang-ling LI, Research Institute of Petroleum Exploration and Development, Beijing, China</p>
15:45-16:00	<p>IFEDC202313847</p> <p>Interlayer Development Characteristics and Water Flooding Strategy Optimization in Porous Carbonate Reservoirs: A Case Study from the MC1-1 Sub-member in B Oilfield, Iraq</p> <p>Yu ZHANG, CNOOC International Limited</p>
16:00-16:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
<p>Reservoir and Oil & Gas Reservoir Development</p>	
16:30-16:45	<p>IFEDC202313284</p> <p>Experimental Study on Displacement Characteristics of Discontinuous Depletion process in Foamy Oil Reservoirs</p> <p>Xing-min LI, Research Institute of Petroleum Exploration on Development,</p>
16:45-17:00	<p>IFEDC202313621</p> <p>Discovery and Effective Development of Attic Oil in the Edge-and-bottom-water Reservoirs with Gas Caps at High Watercut Stages</p> <p>Qiang ZHENG, Research Institute of Petroleum Exploration Effective Development,</p>
17:00-17:15	<p>IFEDC202315754</p> <p>Determination the optimum hot water injection volume to increase oil recovery in specific heavy oil reservoir</p> <p>Natig Hamidov and Jabrayil Eyvazov, SOCAR's Institute, Senior Reservoir Engineer</p>

17:15-17:30	<p>IFEDC202313554</p> <p>Adaptability Evaluation of Well Pattern System in Tight Reservoir Of F Oil Layer in Sz Area</p> <p>Wen-hong WANG, No.8 Oil Production Plant of Daqing Oilfield Co., Ltd.</p>
17:30-17:45	<p>IFEDC202314846</p> <p>Deepwater Confined Turbidite Reservoir Connectivity Identification Based on RFT test</p> <p>Di ZHAI, CNOOC International Limited</p>
17:45-18:00	<p>IFEDC202313725</p> <p>Research on Identification and Control of Dominant Seepage Channels in Medium and Low Permeability Reservoirs</p> <p>Wen-min ZHOU, PetroChina Daqing Oilfield Co., Ltd. No.8 Oil Production Plant</p>
18:30-20:30	<p style="text-align: center;">Excellent Paper Awards Ceremony</p> <p style="text-align: center;">Eurasian Hall 2nd Floor</p>
<p>21 September, 2023</p>	
<p>Host:</p> <p>Yong LI, China Petroleum Exploration and Development Research Institute, Vice Dean</p> <p>Hong-zhong ZHANG, Changqing Downhole Technology Operation Company of CNPC Chuanqing Drilling Company, Vice General Manager</p>	
8:00-8:15	<p>IFEDC202315305</p> <p>Well Pattern Optimization Method and Application of Horizontal Well Development in Low Permeability Thin Carbonate Reservoirs</p> <p>Yan WANG, Research Institute of Petroleum Exploration Optimization Development,</p>
8:15-8:30	<p>IFEDC202315403</p> <p>Simulation of reasonable Shut-In Time for Shale Oil after Volume Fracturing</p> <p>Kai LIAO, China University of Petroleum-Beijing at Karamay</p>
8:30-8:45	<p>IFEDC202314925</p> <p>Study on gas-liquid two-phase Flow Law in Shale Gas Horizontal Wellbore</p> <p>Huai-cai FAN, Research Institute of Petroleum Exploration gas Development,</p>
8:45-9:00	<p>IFEDC202314254</p> <p>Optimization of Well Location in W Reservoir Based on Machine Learning Agent Model</p> <p>Chen LIU, School of Petroleum Engineering, China University of Petroleum(East China)</p>

9:00-9:15	<p>IFEDC202313514</p> <p>Study and Application of Refracturing Technique in Horizontal Wells in Low Permeability And Thin Reservoir</p> <p>Yu-ling MA, No.8 Oil Production Plant of Daqing Oilfield Co., Ltd.</p>
9:15-9:30	<p>IFEDC202315005</p> <p>Evaluation of Proved Developed Reserves and Study on Effective Production Scale</p> <p>Ya-juan ZHANG, The fifth oil production plant of Daqing Oilfield Co., Ltd.</p>
9:30-9:45	<p>IFEDC202315692</p> <p>Study on Thermal Productivity Multiplier of Slant Well and Vertical Well in Offshore Oilfield Thermal Recovery Development</p> <p>Li-jun ZHANG, CNOOC Research Institute Co., Ltd.</p>
9:45-10:00	<p>IFEDC202313836</p> <p>A New Method of Productivity Evaluation Considering Fractal percolation</p> <p>Lei LIU, Research Institute of Petroleum Exploration Method Development</p>
10:00-10:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
<p>Reservoir Engineering and Management</p>	
10:30-10:45	<p>IFEDC202314117</p> <p>Study on the Pore Structure Characteristics and Reasonable Production System of Changling Shale Oil in Southern Songliao Basin</p> <p>Zhongbao WU, Research Institute of Petroleum Exploration & Development</p>
10:45-11:00	<p>IFEDC202313290</p> <p>Main Parameter Limits and Risk Assessment of Benefit Development of Unconventional Oil And Gas Projects</p> <p>Rong LI, Exploration and Development Research Institute of Daqing Oilfield Company Ltd.</p>
11:00-11:15	<p>IFEDC202314046</p> <p>Shut-in Well Re-production and Marginal Sand Development Through Multi-Discipline Well-Reservoir Management</p> <p>Xiao-guang LV, Kaiwendi Petroleum Technology (Beijing) Co., Ltd.</p>
11:15-11:30	<p>IFEDC202314895</p> <p>Research Frontiers and Progress in Dynamic Reserve Evaluation Using the Material Balance Method</p>

	Ya-xiong LI, SINOPEC Petroleum Exploration and Production Research Institute
11:30-11:45	IFEDC202314594 Key Technologies and Practices of Integrated Adjustment of High Water Cut in Offshore Continental Heavy Oilfield Ting-li LI, Research Institute of Petroleum Exploration and Development,
11:45-12:00	IFEDC202313872 Study on Rational Working System of horizontal well in Jimsar Shale Reservoir Liang-zhe WANG, Petrochina Xinjiang Oilfield Company
12:00-14:00	Buffet Lunch and Break
21 September,2023	
Host: Chang-hua YANG, Xi'an Shiyou University, Professor Zi-ming FENG, Wenzhou University, Professor	
14:00-14:15	IFEDC202315239 Prediction Method of Casing Deformation Risk Based on Geology-Engineering Integration Model and Its Application Er-si XU, Research Institute of Petroleum Exploration of Development
14:15-14:30	IFEDC202315798 Strategic Shift from Production Target to Production Capacity to Enhance Energy Security and Reduce Carbon Footprint An-ping YANG, AEC Green Development, Inc, President
14:30-14:45	IFEDC202315528 Numerical simulation of pore pressure change caused by hydrocarbon generation in Chezhen sag and its influence on hydrocarbon accumulation Ming-wen WANG, Wuhan University, School of Geodesy and Geomatics
14:45-15:00	IFEDC202315781 Nano-engineered Materials for Enhanced Oil Recovery Aseel Al-Jarmouzi, University of Padua, Italy, PhD Candidate
15:00-15:15	IFEDC202313638 Study on the Causes of Casing Damage and Optimization of Injection and Mining Parameters Under Fluid-Structure Interaction in Typical Block

	Yuan-ping Li, Research Institute of Petroleum Exploration the Development
15:15-15:30	IFEDC202315780 New Approaches to the Use of Horizontal Wells under Flooding Alexandr Stanislavovich Trofimchuk, RN-BashNIPIneft, LLC, Deputy Head of the Department
15:30-15:45	IFEDC202313305 Remaining Gas Distribution and Potential Tapping Countermeasures in Horizontal Well Development Zone of DND Tight Sandstone Gas Reservoir Xiao-hui LI, Research Institute of Exploration and Development, North China Oil and Gas Branch, SINOPEC
15:45-16:00	IFEDC202315064 Shale Pore-scale Numerical Simulation of Oil-Water Two-phase Flow Yin Qian, China University of Petroleum (East China)
16:00-16:30	Tea/Coffee Break and E-poster Session for Knowledge Sharing
16:30-16:45	IFEDC202315723 Low Resistivity Pay Carbonate Reservoirs Water Saturation Estimation Problems and Solutions (A Case Study in the Middle East, Shuaiba Carbonate Reservoir) Hassan Aharipour, Magma Energy Oil and Gas Consultant, Petrophysics Head
16:45-17:00	IFEDC202314678 Full Life Circle Simulation of Fracturing Wells with Considering Continuous Physical Processes Xue-feng LIU, Research Institute of Petroleum Exploration Circle Development,
17:00-17:15	IFEDC202313620 Stratified Water Injection Effect Evaluation and Field Practice Based on Single Sand Body Understanding Si-yi WANG, Research Institute of Petroleum Exploration injection Development,
17:15-17:30	IFEDC202313560 Exploration and Enlightenment of High Efficiency Stratified Fracturing Technology for Vertical Well Exploration in Qinghai Oilfield Gui-qi XIE, Institute of Drilling

17:30-17:45	<p>IFEDC202315588</p> <p>Numerical Simulation Study on the Flow Influence of Multiscale Fractures During Water Flooding</p> <p>Fan-le MENG, Research Institute of Petroleum Exploration study Development,</p>
17:45-18:00	<p>IFEDC202314546</p> <p>Numerical Simulation Study on Main Control Factors of Efficient Development of a Ultra-Deep Carbonate Water Drive Gas Reservoir</p> <p>Yu-xiang ZHANG, Research Institute of Petroleum Exploration study Development,</p>
18:30-20:30	<p>Buffet Dinner</p>
<p>22 September, 2022</p>	
<p>Host:</p> <p>Rui ZHAO, Exploration and Development Research Institute of PetroChina Xinjiang Oilfield Branch Company, Senior Engineer</p> <p>Yang WANG, School of Petroleum Engineering, China University of Petroleum (Beijing), Associate Professor</p>	
8:00-8:15	<p>IFEDC202314657</p> <p>Optimization of Development Policy Limits for Horizontal Wells in Tight Reservoir Chang-3 of Weibei Oilfield</p> <p>Xiu-rong JIA, Exploration and Development Research Institute of Sinopec Henan Oilfield Branch Company, Associate Researcher</p>
8:15-8:30	<p>IFEDC202314047</p> <p>A Method for Evaluating the Dynamic Reserves of a Single Well in a Fault Controlled Fracture-Cavity Carbonate Reservoir</p> <p>Chao YAO, PetroChina Tarim Oilfield Branch Company</p>
8:30-8:45	<p>IFEDC202315732</p> <p>An analysis of Comprehensive Solutions Aimed to Optimize Costs and Increase Oil Production Efficiency of Active Producing Wells (a case study of Gazprom Neft PJSC)</p> <p>Anzhela Elverovna Nigmatullina, Peter the Great St.Petersburg Polytechnic University , Senior Financial Analyst</p>
8:45-9:00	<p>IFEDC202313818</p> <p>Methods for Improving Precision of Production Prediction in Low Permeability Oilfields</p> <p>Jin-de FENG, Research Institute of Petroleum Exploration&Development, PetroChina</p>

9:00-9:15	<p>IFEDC202315746</p> <p>A Novel Analytical Method for Diagnosis and Prediction of Reservoir Pressure Response and Final Recovery for Waterflooding Projects Using the CNV Integrated Approach,</p> <p>Mostafa Mamdouh Ibrahim, Gupco-Dragon Oil JV, Department Head – senior reservoir engineer</p>
9:15-9:30	<p>IFEDC202314586</p> <p>Analysis of Typical LNG Projects Characteristics and suggestions for LNG Mergers and Acquisitions</p> <p>Jing WU, CNOOC international corporation</p>
9:30-9:45	<p>IFEDC202314476</p> <p>A Simulation Study on Microscopic Spontaneous Imbibition Mechanism and Influencing Factors of Laminated Shale Oil Reservoirs</p> <p>Jian-xun CHEN, Research Institute of Petroleum Exploration Study Development,</p>
9:45-10:00	<p>IFEDC202315772</p> <p>Comparison Between Sagd And Vapex Eor Methods Using Reservoir Simulation</p> <p>Mahmood Abduljabbar Hebah, University of Freiburg, PhD Candidate</p>
10:00-10:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
10:30-10:50	<p>IFEDC202315737</p> <p>The New Approach to Field Infrastructure Design Based on Multi-Parameter Optimization</p> <p>Kazakov Artem Vyacheslavovich, LLC, Strata Solutions, Project Manager</p>
10:50-11:10	<p>IFEDC202314543</p> <p>Technology of Water Invasion Analysis and Production Optimization in Deep Water High Permeability Water Drive Gas Reservoir</p> <p>Xiao-fu ZHOU, Zhanjiang Branch of CNOOC Ltd</p>
11:10-11:30	<p>IFEDC202315788</p> <p>New Approach and Algorithm for The Selection of Analogues Pvt Models and Suitable Lumping Schemes for Greenfields</p> <p>Kim Viacheslav, Gazprom Neft Science and Technology Center, Leading Specialist</p>
11:30-11:45	<p>IFEDC202315416</p> <p>Application of Deconvolution Well Test Technology in Low Permeability Gas Reservoir</p> <p>Zhao-jing ZHOU, Exploration and Development Research Institute, PetroChina Huabei Oilfield Company</p>

11:45-12:00	IFEDC202315597 The Fluid Phase Occurrence Feature and Production Pattern of Yingxiongling Shale Oil in Western Depression of Qaidam Basin Qing-hui ZHANG, Research Institute of Petroleum Exploration & Development, Qinghai Oilfield Branch Company
12:00-14:00	Buffet Lunch and Break

Session7 Shanghai A Hall, 3rd Floor

Reservoir Drilling and Completion

Co-organized by: Sinopec Jiangnan Oilfield Branch Company

Convener: Hui WANG

Date: 20-21 September, 2023

20 September, 2023	
Host:	
Hui WANG, Sinopec Jiangnan Oilfield Branch Company, Deputy General Manager	
Hai-ge WANG, China Petroleum Engineering Technology Research Institute Co., Ltd, Vice Dean	
Tools and Equipment&Drill Bits and Tools	
14:00-14:15	IFEDC202314038 Study and Application of Targeted Pressure-Response Encapsulated Lubricant Jun-yi LIU, Drilling Technology Research Institute of Shengli Petroleum Engineering Corporation Limited, SINOPEC
14:15-14:30	IFEDC202314777 Application of Reaming and Expandable Tubing in Ultra-Deep Well LH1 Zi-wei YOU, Research Institute of Petroleum Exploration Reaming Development,
14:30-14:45	IFEDC202315719 Study on Influence Factors of Sealing Pipe Thread Connection Qiao-juan GAO, Beijing Petroleum Machinery Co., LTD, Petrochina Engineering Technology R&D,
14:45-15:00	IFEDC202315247 Research on the Step Drilling System for Water Jet Radial Drilling Zhi CHEN, Research Institute of Petroleum Exploration the Development,

15:00-15:15	<p>IFEDC202314407</p> <p>Development and Application of Friction and Torque Reduction Tools for extended reach well</p> <p>Yun-feng LI, Institute of Drilling and Production Technology, Jidong Oilfield Company</p>
15:15-15:30	<p>IFEDC202314589</p> <p>Expandable sand Screen Sand Control Process and Research of Key Tools</p> <p>Shao-hang CHEN, China Oilfield Services Limited</p>
15:30-15:45	<p>IFEDC202313906</p> <p>Braking Mechanism and Application of Air Downhole Motor In Directional Drilling</p> <p>Xing-sheng YU, Beijing Petroleum Machinery Co, Ltd</p>
15:45-16:00	<p>IFEDC202313581</p> <p>Study and Application of Pdc Bit Rock Breaking under Ultra-Deep High-Temperature and High-Pressure In-Situ Environment</p> <p>Chang-chang CHEN, CNPC Engineering Technology R&D</p>
16:00-16:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
<p>Cementing Completion</p>	
16:30-16:50	<p>IFEDC202314585</p> <p>Research on Key Technologies for New Single Barrel and Double Well Drilling and Completion with Offshore Small Well Slot Spacing</p> <p>Jian-bo SU, CNOOC China Limited, Zhan-jiang Branch</p>
16:50-17:10	<p>IFEDC202314293</p> <p>Study on the Modification Mechanism of Soap-free Latex on the Microstructure and Mechanical Properties of Cement Stone</p> <p>Li-bin JIAO, Research Institute of Petroleum Exploration and Development,</p>
17:10-17:30	<p>IFEDC202314029</p> <p>Research and Application of Suspension Stabilizer for Cement Slurry with large Temperature Difference and Low Density</p> <p>Kai TANG, Research Institute of Petroleum Exploration and Development,</p>

17:30-17:40	<p>IFEDC202313583</p> <p>Progress and challenges of CNPC deep and ultra-deep well drilling and completion technology</p> <p>Chang-chang CHEN, CNPC Engineering Technology R&amp</p>
17:40-17:50	<p>IFEDC202314528</p> <p>Cementing Technology for Extended-Reach Horizontal Well in Offshore Gas Storage of Jidong Oilfield</p> <p>Yong-ke HU, Gas Storage Construction Project Department of Jidong Oilfield Company</p>
17:50-18:00	<p>IFEDC202314463</p> <p>Research and Application of Low-Cost Early Sand Stabilization Completion Technology For Loose Sandstone</p> <p>Ya-di HUO, Research Institute of Petroleum Exploration application Development,</p>
18:30-20:30	<p>Excellent Paper Awards Ceremony</p> <p>Eurasian Hall 2nd Floor</p>
<p>21 September, 2023</p>	
<p>Host:</p> <p>Jia-fang XU, China University of Petroleum (East China), Professor</p> <p>Xue-ping TANG, China Petroleum Engineering Technology Research Institute Co., Ltd, Senior engineer</p>	
<p>Working Fluid Research&Casing Application</p>	
8:00-8:15	<p>IFEDC202314106</p> <p>CO2 Pollution and Treatment Technology of Drilling Fluid in CCUS Burial Area of Jilin Oilfield</p> <p>Jun HE, Drilling Technology Research Institute of PetroChina Jilin Oilfield Company</p>
8:15-8:30	<p>IFEDC202315166</p> <p>Development and Performance Evaluation of Environment-Friendly Self-degradable Polymer Film Workover Fluid System</p> <p>Jian-quan LIU, Research Institute of Petroleum Exploration Performance Development,</p>

8:30-8:45	IFEDC202315606 Damage Mechanisms of Tight Sandstone Reservoirs Induced by Silicate Drilling Fluid Ge-ge TENG, Research Institute of Petroleum Exploration of Development,
8:45-9:00	IFEDC202315381 Study on Material to Improve the Contamination of Oil-based Drilling Fluid to Cement Slurry Zi-yue DONG, Research Institute of Petroleum Exploration material Development,
9:00-9:15	IFEDC202315356 Development of Intelligent Casing Sliding Sleeve LI Jing-Bin, Changqing Downhole Technology Company, CCDG, CNPC
9:15-9:30	IFEDC202313570 Design and Application a Premium Connection of Completion String Used in Ultra-High Temperature and Ultra-High Pressure Gas Wells Feng-xiang XU, China Oilfield Services Limited
9:30-9:45	IFEDC202314103 The Successful Application of Expansion Tube Technology in the Bongor Basin of Chad Zhao ZHONG, CNPC Engineering Technology R&D Company Limited
9:45-10:00	IFEDC202314106 CO2 Pollution and Treatment Technology of Drilling Fluid in CCUS Burial Area of Jilin Oilfield Jun HE, Drilling Technology Research Institute of PetroChina Jilin Oilfield Company
10:00-10:30	Tea/Coffee Break and E-poster Session for Knowledge Sharing
Model Design&Fracturing Technology	
10:30-10:50	IFEDC202315182 Numerical Study on Mechanical Behaviour of Strongly Heterogeneous Reservoir under Different Confining Pressure Rui HE, Research Institute of Petroleum Exploration on Development
10:50-11:10	IFEDC202315609 A Prediction Model of Lost Circulation Pressure in Fractured Formation Shi-yu ZHANG, Chengdu University of Technology

11:10-11:30	<p>IFEDC202313716</p> <p>Establishment and Application of Cement Sheath Integrity Risk Evaluation Model for CO2 Flooding Wells</p> <p>Ju-quan JIA, Jilin Oilfield Branch Company, PetroChina</p>
11:30-11:45	<p>IFEDC202313626</p> <p>Damage Evolution Mechanism of Rock Failure under Wave Injection Hydraulic Fracturing</p> <p>Shaokai TONG, Changqing Downhole Technology Operation Company</p>
11:45-12:00	<p>IFEDC202313721</p> <p>Lessons Learned From the Hydraulic Fracturing Test Site in Xinjiang Conglomerate Reservoirs</p> <p>Jing ZHANG, China University of Petroleum (Beijing) at Karamay</p>
12:00-14:00	<p>Buffet Lunch and Break</p>
<p>21September,2023</p>	
<p>Host:</p> <p>Jun HE, Drilling Technology Research Institute, Jilin Oilfield Branch, PetroChina, Dean</p> <p>Yu-qiang ZHANG, Engineering Technology Management Department, Jiaghan Oilfield Branch, Sinopec, Deputy Manager</p>	
<p>Drilling Technology, Leak Prevention and Plugging Technology, Integration of Geological Engineering, Wellbore Stability Research</p>	
14:00-14:15	<p>IFEDC202314872</p> <p>The Key Drilling Technology of 8000m Ultra-deep Large Displacement Horizontal Well in Western Sichuan Basin</p> <p>Da-liang HU, Research Institute of Petroleum Exploration Drilling Development,</p>
14:15-14:30	<p>IFEDC202313880</p> <p>Research and application of intelligent integrated fine controlled pressure drilling technology</p> <p>De-sheng QIAN, Research Institute of Petroleum Exploration application Development,</p>
14:30-14:45	<p>IFEDC202313743</p> <p>Analysis and research on influence factors of leakage caused by surge pressure</p> <p>Shuang LIANG , RISE CNPC</p>

14:45-15:00	<p>IFEDC202314963</p> <p>Application and Recognition of Pressure-Activated Sealant Sealing technology in Gas Well Plugging</p> <p>Lei LIU, Petrochina Changqing oilfield Changbei operating company</p>
15:00-15:15	<p>IFEDC202314084</p> <p>Well trajectory Control Technology of Integrated Geology and Engineering: A case study of Daqing Gulong Shale Oil</p> <p>Chao FANG, CNPC Engineering Technology R&D Company Limited</p>
15:15-15:30	<p>IFEDC202314987</p> <p>Study on Sidewall Collapse Failure Mechanism of Hard and Brittle Shale</p> <p>Shuai WANG, Southwest Petroleum University</p>
15:30-15:45	<p>IFEDC202315510</p> <p>Study on the Stability of Whole Well Section in the Western Margin of Ordos Basin</p> <p>Yue-peng WANG, Research Institute of Petroleum Exploration the Development,</p>
15:45-16:00	<p>IFEDC202313823</p> <p>Mechanism and countermeasures of wellbore instability in the Shushanhe Formation of the Cretaceous in the Kuqa Depression</p> <p>Ke XU, PetroChina Tarim Oilfield Branch Company, Senior Engineer</p>
16:00-16:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
<p>Comprehensive Technology</p>	
16:30-16:45	<p>IFEDC202313361</p> <p>Critical Length Analysis for Linear Growth of Frictional Resistance of Moving Flexible Screen String in Horizontal Borehole</p> <p>Yong-hong WANG, CNPC Engineering Technology R&D Company Limited</p>
16:45-17:00	<p>IFEDC202315483</p> <p>Design and Control Technology of Horizontal Well Cluster Trajectory for Shale Oil in Dagang Oilfield</p> <p>Guo-na WANG, PetroChina Dagang Oilfield Company, Petroleum Engineering Research Institute</p>

17:00-17:10	<p>IFEDC202314709</p> <p>Sensitivity study of Bingham Fluid Flow by the Ratio Of Inner and Outer Diameters of Annulus</p> <p>Yi-peng ZHAO, CNPC Engineering Technology R&D Company Ltd</p>
17:10-17:20	<p>IFEDC202313739</p> <p>Application of Ultra-Short Radius Side Drilling Horizontal Well In Casing Loss Well Scrap Well Digging</p> <p>Yu-chen LI, Daqing Chenping Drilling Technology Service Co. LTD</p>
17:20-17:30	<p>IFEDC202313538</p> <p>Comparison and Analysis for Prediction Effect of True Triaxial Rock Strength Criterion</p> <p>Ming-ming ZHANG, Sinopec Research Institute of Petroleum Engineering</p>
17:30-17:40	<p>IFEDC202313361</p> <p>Critical Length Analysis for Linear Growth of Frictional Resistance of Moving Flexible Screen String in Horizontal Borehole</p> <p>Yong-hong WANG, CNPC Engineering Technology R&D Company Limited</p>
17:40-17:50	<p>IFEDC202315705</p> <p>Study on Casing Check under Superimposed Conditions under Complex Working Conditions in Bohai Oilfield</p> <p>Lei ZHANG, Tianjin Branch of CNOOC (China) Co., Ltd</p>
17:50-18:00	<p>IFEDC202313563</p> <p>Research and Application of Middle to Deep Formation Pressure Prediction and Monitoring Technology in Fukang sag, Junggar Basin</p> <p>Li-xin JIN, CNPC XDEC Mud Logging Branch Company</p>
18:30-20:30	<p>Buffet Dinner</p>

Session8 Shenzhen Hall, 3rd Floor

Oil & Gas Production Engineering

Co-organized by: Production Engineering & Research Institute, Daqing Oilfield

Convener: Xing-liang SONG

Date: 20-22 September, 2023

20 September, 2023

Host:

Cui-long KONG, Daqing Oilfield Oil Production Engineering Research Institute, Vice Dean

Na WEI, Institute of Marine Natural Gas Hydrates, Southwest Petroleum University, Dean

Stimulation Treatment

14:00-14:15	IFEDC Progress in Core Engineering Technology of Gulong Shale Oil and Next Steps for Key Research Cui-long KONG, Daqing Oilfield Oil Production Engineering Research Institute, Vice Dean
14:15-14:30	IFEDC202314687 Imbibition Mode and Morphological Characteristics of Residual Oil in Low Permeability Reservoir Xing ZHANG, Research Institute of Petroleum Exploration and Development
14:30-14:45	IFEDC202314529 Fracability Evaluation of Ganchaigou Shale Oil Reservoir in Yingxiongling You-yu WAN, PetroChina Qinghai Oilfield Company
14:45-15:00	IFEDC202313466 Experimental Study on Proppant Embedment Conductivity in Daqing Shale Reservoir Meng CAI, Daqing Oilfield Production Engineering Research Institute

15:00-15:15	<p>IFEDC202315727</p> <p>Numerical Study of Enhanced Shale Gas Recovery by Using Gas Injection</p> <p>Asia Majid, University of Dares Salaam, Institute of Development Studies, Assistant Lecturer</p>
15:15-15:30	<p>IFEDC202315317</p> <p>Study on Corrosion of Gas Injection Well with Reduced Oxygen Air Flooding in Gasikule E31 Reservoir</p> <p>Tao Cheng, Research Institute of Petroleum Exploration Corrosion Development,</p>
15:30-15:45	<p>IFEDC202314548</p> <p>Analysis on the Mechanics Mechanism of Fracture Initiation and Extension of New Fractures in Temporary Plugging and Diversion Fracturing</p> <p>Xue-song Xing, Research Institute of Petroleum Exploration the Development,</p>
15:45-16:00	<p>IFEDC202313552</p> <p>Research and Application of Integrated Fracturing Fluid for Tight Sandstone Gas in Ordos Basin</p> <p>Huai-zhu LIU, Chemical Limited Company, Jidong Oilfield, Petrochina</p>
16:00-16:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
16:30-16:45	<p>IFEDC202315731</p> <p>Introduction to Production Technology and Methods of Completion and Perforating of Oil and Gas Wells</p> <p>Mohammed Raed Saad, North Oil Company, Petroleum Engineer</p>
16:45-17:00	<p>IFEDC202315580</p> <p>Numerical Study of the Mechanism of Fracture Height Extension in Shale Reservoirs</p> <p>Zhi-feng LUO, Research Institute of Petroleum Exploration of Development</p>
17:00-17:15	<p>IFEDC202314752</p> <p>Research and Application of Fracturing Technology for Shallow Sea Oil Wells</p> <p>Xiang-yun SUI, Petroleum Engineering Research Institute of PetroChina Dagang Oilfield Company, Senior Engineer,</p>
17:15-17:30	<p>IFEDC202315747</p> <p>Integrated Approach to Optimize Flowback in Multi-Stage Hydraulically Fractured Wells</p> <p>Gleb Strizhnev, Skolkovo Institute of Science and Technology</p>

17:30-17:45	IFEDC202313373 Research and Application of the CO2 Dry Fracturing Technology Yang LI, Petrochina Research Institute of Exploration and Development
17:45-18:00	IFEDC202315063 Study on the Propagation Law of Acid Fracturing Fractures in Triple Media of Ultra Deep Carbonate Rocks Yu-jie YAN, Petroleum Engineering Technology Research Institute, Northwest Oilfield Branch of Sinopec, Associate Researcher
18:30-20:30	Excellent Paper Awards Ceremony Eurasian Hall 2nd Floor
21 September, 2023	
Host: Xing-liang SONG, Daqing Oilfield Oil Production Engineering Research Institute, Dean Assistant Ming GAO, Research Center for Enhanced Oil Recovery, China Petroleum Exploration and Development Research Institute, Deputy Director,	
Oilfield Chemistry&Acidification Technology	
8:00-8:15	IFEDC Progress and Prospects of China Petroleum CCUS-EOR Technology Ming GAO, China Petroleum Exploration and Development Research Institute Enhanced Oil Recovery Research Center, Deputy Director
8:15-8:30	IFEDC202315769 Enhancing Oil Extraction in Sandstone Reservoirs with High Water Cut: Exploring the Impact of Low Salinity Sodium Chloride and Molecular Dynamics Consequences Ernest Peter Maiki, Makerere University in Uganda, PhD Candidate
8:30-8:45	IFEDC202314011 Performance evaluation and field application of water lock releasing agent in low production well in Sulige gas field Rui WANG, College of Petroleum Engineering, Xi'an Shiyou University

8:45-9:00	<p>IFEDC202315112</p> <p>Study on the Action Mechanism of Nanoparticle Polymer Composite Pour Point Depressant</p> <p>Guang-hui LI, Yanshan University</p>
9:00-9:15	<p>IFEDC202315548</p> <p>An Experimental Study on Acid Treatment Using Autogenic Acid Fluid System in Ultrahigh-Temperature Carbonate Reservoirs</p> <p>Ping-li LIU, Southwest Petroleum University</p>
9:15-9:30	<p>IFEDC202315766</p> <p>Ab initio Study of Phase Stability in The Cu-Cr-Zr System</p> <p>Hebal Faycal, Bacha Khan University Charsadda Pakistan, Assistant Professor</p>
9:30-9:40	<p>IFEDC202313927</p> <p>Study on Electric Field Dehydration and Ultrasonic Dehydration Characteristics of Produced Fluid of Changqing Shale Oil</p> <p>Qiao-li SHAN, Changqing Engineering Design Co. LTD</p>
9:40-9:50	<p>IFEDC202315249</p> <p>Simulation Study on the Morphological Changes of Acid-Etching Fracture Surface Under Stress</p> <p>Ze-hui Zhang, China University of Petroleum (East China)</p>
9:50-10:00	<p>IFEDC202313379</p> <p>Development and Application of Real-Time Monitoring System for Fracturing and Acidizing Flowback Fluid</p> <p>Feng XIONG, Engineering Technology Research Institute of Petrochina Southwest Oil and Gas Field Company</p>
10:00-10:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
<p>Layered Injection and Production</p>	
10:30-10:45	<p>IFEDC</p> <p>Current Situation and Development Direction of Layered Water Injection Technology in Daqing Oilfield</p> <p>Xing-liang SONG, Daqing Oilfield Oil Production Engineering Research Institute, Dean Assistant</p>

10:45-11:00	IFEDC202315650 Research and Application of Long Life Waterflooding Technology in Medium and High Permeability Reservoirs Ning WANG, Sinopec Shengli Oilfield Company Petroleum Engineering Technology Research Institute
11:00-11:10	IFEDC202314890 Innovation and Application of Intelligent Injection&Production and Remote Monitoring Technology in Offshore Oilfields Bin WU, Research Institute of Petroleum Exploration Application Development,
11:10-11:20	IFEDC202315790 Determination of Safe Injection Modes for Injection Wells in Environmentally Sensitive Offshore Reservoirs for Top-Seal Integrity Dmitrii Berezenkov, Physgeo LLC, Senior Engineer
11:20-11:30	IFEDC202313405 Optimization Mode of Water Injection and Establish Chart of Recovery Ratio in High and Steep Complex Fault Block Reservoir Peng-ju DU, Research Institute of Petroleum Exploration
11:30-11:40	IFEDC202315213 Progress of Separate Layer Production Technology and its Adaptability to Overseas Oilfields of CNPC Qing-ling LIU, China National Oil and Gas Exploration and Development Company Ltd.
11:40-11:50	IFEDC202314892 Research and Application of Production Fluid Profile Testing Process for Horizontal Wells in Tight Reservoirs Zhi-lei WANG, Sinopec North China Oil and Gas Company No. 1 Oil Production Plant
11:50-12:00	IFEDC202315500 Research on Key Parameters of Ignition Method Design for Menggulin Fire-Flooding Development Qingqiao ZENG, Exploration and Development Research institute of Huabei Oilfield Company
12:00-14:00	Buffet Lunch and Break

21 September, 2023

Host:

**Wan-chun ZHAO, Unconventional Oil and Gas Research Institute, Northeast Petroleum University,
Vice Dean,**

Bin HUANG, Chongqing University of Science and Technology, Professor

Perforation Technology&Artificial Lifting&Underground Operations

14:00-14:15	<p>IFEDC Research on Deformation Mechanism and Prevention and Control Technology of Shale Oil Pressure Cracking Casing Wen-hai MA, Oil Production Engineering Research Institute, PetroChina Daqing Oilfield Co., Ltd., Senior Engineer</p>
14:15-14:30	<p>IFEDC202315059 Research and Application of 245Mpa Ultra-High Pressure Perforating Technology Feng SHAN, Tarim Oilfield Company of CNPC</p>
14:30-14:45	<p>IFEDC202315582 Research and Application of Key Technologies for Efficient Purification of Horizontal Well Boreholes Sheng-fu DONGYE, Second Oil Production Plant, Changqing Oilfield Branch, China National Petroleum Corporation, Vice Director</p>
14:45-15:00	<p>IFEDC202314761 Study on the Sealing Characteristics of Temporary Plugging Agent in the Perforation Tunnel Yan-chao LI, Shale Gas Exploration and Development Department</p>
15:00-15:10	<p>IFEDC202314165 Research and Application of Anti-emulsification Oil Washing Workover Fluid Technology Xiao-chun YANG, Research Institute of Petroleum Exploration Application Development,</p>
15:10-15:20	<p>IFEDC202314039 Current Situation and Prospects of Lifting Technology for Cluster Hydraulic Pumping Units</p>

	Da-peng GAO, Research Institute of Petroleum Exploration and Development,
15:20-15:30	IFEDC202315443 Principle and Optimization Design of Intelligent Intermittent Oil Extraction Driven by Photovoltaic-Storage Battery System Cai WANG, RIPED PetroChina
15:30-15:40	IFEDC202313342 Experimental study on spiral cutting and winding and taking out method of surface casing in oil and water wells LI Xueying, Petrochina Huabei Oilfield Company
15:40-15:50	IFEDC202314646 Treatment Technology of Double-layer Casing of Double Water Layer Pipe Channeling Guo-cheng GAO, Research Institute of Petroleum Exploration of Development,
15:50-16:00	IFEDC202315427 Sand-free Artificial Wellbore Sand Control Technology for Failed Sand Screen in Long Holesections Jia-fu YIN, Downhole Service Company of Shengli Petroleum Engineering Corporation
16:00-16:30	Tea/Coffee Break and E-poster Session for Knowledge Sharing
Oil Production Equipment&Gas Production Process	
16:30-16:40	IFEDC Safety Production Control of Gas, Wate and Foam Multiphase Pipe Flow in Wellbore Under Low Temperature And Pressure Na WEI, Institute of Marine Natural Gas Hydrates, Southwest Petroleum University, Dean,
16:40-16:50	IFEDC202314033 Research and Application of Fracturing Technology in the Lateral Drilling Horizontal Well of The Ultra-Short Radius Wei WANG, Remaining Oil Exploration Technical Service Project Team of Daqing Drilling&Exploration Engineering Company

16:50-17:00	<p>IFEDC</p> <p>Indoor study on the Drainage Effect of A New Type of Vortex Drainage Gas Production Tool</p> <p>Bin HUANG, Chongqing University of Science and Technology, Professor</p>
17:00-17:10	<p>IFEDC202313650</p> <p>Research and Field Application of Controllable Blowout Prevention Technology after Shale Oil Fracturing</p> <p>Xing-liang SONG, Research Institute of Petroleum Exploration field Development,</p>
17:10-17:20	<p>IFEDC202314221</p> <p>Simulation of Liquid Carrying Capacity of Process Wells in Carbonate Bottom Water Gas Reservoirs</p> <p>Hui DENG, Research Institute of Petroleum Exploration Liquid Development,</p>
17:20-17:30	<p>IFEDC202315767</p> <p>Stabilizing Effects of Black Rice Husk ash Nano Particles on Foam Bubbles and Foam Evaluation</p> <p>Ishaq Ahmad, China University of Petroleum (East China)., PhD Candidate</p>
17:30-17:40	<p>IFEDC202313812</p> <p>Corrosion Status of Shale Gas Wells and Application of Detection Techniques in Sichuan Basin, China</p> <p>Nai-yan ZHANG, Research Institute of Petroleum Exploration of Development</p>
17:40-17:50	<p>IFEDC202315750</p> <p>Modeling of Water Film Generation in Up-Inclined Low Liquid Content Wet Gas Pipeline Elbows And its Implication on Internal Corrosion Occurrence</p> <p>Fu-he LIN, University of Calgary, PhD Candidate</p>
17:50-18:00	<p>IFEDC202313293</p> <p>Research on Drag Type Multi-stage Fracturing Technology for Casing Damaged Wells</p> <p>Jin-you WANG, China Production Engineering and Research Institute</p>
18:30-20:30	<p>Buffet Dinner</p>
<p>22 September, 2023</p>	

Host: Yun-long ZHAO, China National Offshore Oil Services Co., Ltd., Senior Oil Production Engineer Xing ZHANG, Petroleum Engineering Technology Research Institute of Sinopec Shengli Oilfield Branch, Senior Engineer	
Stimulation Treatment	
8:00-8:15	IFEDC Evaluation of Shale Fracturing Fracturing Capacity And Optimization Of Drainage System Wan-chun ZHAO, Unconventional Oil and Gas Research Institute, Northeast Petroleum University, Vice Dean
8:15-8:30	IFEDC Research on the Integrated Technology of Electric Pump Injection and Production for Offshore Heavy Oil Thermal Recovery Yun-long ZHAO, China National Offshore Oil Services Co., Ltd., Senior Oil Production Engineer
8:30-8:45	IFEDC202315038 Experimental Study on Damage Evaluation of Fracturing Fluid in Shale Oil Reservoir Ya Li, Research Institute of Petroleum Exploration on Development,
8:45-9:00	IFEDC202314853 Study on Displacement Gas Invasion Law During Horizontal Well Drilling In Fractured Gas Reservoir Bang-tang YIN, Research Institute of Petroleum Exploration displacement Development,
9:00-9:15	IFEDC202313885 Horizontal Well Volumetric Fracturing Technology Integrating Fracturing-Energy Enhancement for Tight Oil in Daqing Oilfield Gao XIANG, Heilongjiang Provincial Key Laboratory of Oil and Gas Reservoir Stimulation
9:15-9:30	IFEDC202314030 Fracture Extension Law and Process Optimization of Lianggaoshan Formation Shale Reservoir in Sichuan Basin Ze-fei LV, Research Institute of Petroleum Exploration Law Development,

9:30-9:45	<p>IFEDC202313844</p> <p>Experimental Study on Hydraulic Fracture Propagation Mechanism of Water Injection Propagation In Super Deep Fracture-Cavity Carbonate Reservoir</p> <p>Xun SUN, Research Institute of Petroleum Exploration on Development,</p>
9:45-10:00	<p>IFEDC202314870</p> <p>The Indicators Study of The Dump Flooding in Carbonate Type of Reservoir</p> <p>Jia-gao TANG, Tarim Oilfield Company</p>
10:00-10:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
10:30-10:45	<p>IFEDC202314821</p> <p>Research and Field Application of Quasi-dry CO₂ Fracturing Technology in Ji Dong Oilfield</p> <p>Yun-zi LI, Research Institute of Petroleum Exploration Field Development,</p>
10:45-11:00	<p>IFEDC202314058</p> <p>Research and Exploration of Multi-Round Energy Boosting Water Injection Technology</p> <p>Shuang Wang, Petroleum Engineering Research Institute of PetroChina Dagang Oilfield</p>
11:00-11:15	<p>IFEDC202313353</p> <p>Application and Evaluation of Temporary Plugging Effect of Rope Junction Temporary Plugging Agent in Platform Well of Jinlong X Well Area, Karamay Oilfield</p> <p>XIAO LEI, Downhole Service Company</p>
11:30-11:45	<p>IFEDC202314418</p> <p>Multi-types of frac-hits during Multi-Wells Hydraulic Fracturing of Weirong Deep Gas Shale</p> <p>Yong-zhang HU, Research Institute of Petroleum Exploration of Development,</p>
11:45-12:00	<p>IFEDC202314069</p> <p>Research and Experiment of Hydraulic Injection Double-seal Single-card Driving Fracturing Technology in Tight Horizontal Wells</p> <p>Zuo-jie LIAO, Changqing Downhole Technology Company, CNPC Chuanqing Drilling Engineering Company Limited</p>
12:00-14:00	<p>Buffet Lunch and Break</p>

Session9 Honghualang Hall, 2nd Floor

Enhanced Oil Recovery for Oil & Gas Reservoirs

Co-organized by: China University of Petroleum (Beijing)

Convener: Shneg-lai YANG

Date: 20-22 September, 2023

20 September, 2023	
Host: Guo-yong LIU, PetroChina Qinghai Oilfield Branch Company, General Manager Lu-shan WANG, Sinopec Shengli Oilfield Branch Company, Senior Expert	
Heavy Oil Recovery	
14:00-14:15	IFEDC202313793 Optimization of Numerical Simulation Parameters for Upgrading and Expansion Of Super Heavy Oil Class Iii Sagd Reservoir Xing SUN, Research Institute of Exploration and Development
14:15-14:30	IFEDC202314494 Research on Dynamic Adjustment Technology for Horizontal Wells in Heavy Oil Thermal Recovery Ming LIU, Research Institute of Petroleum Exploration Dynamic Development,
14:30-14:45	IFEDC202314668 Research and Practice on Development Strategies of Different Types of Offshore Heavy Oil Reservoirs Ting-li LI , CNOOC (China) Co., Ltd. Tianjin Branch,

14:45-15:00	<p>IFEDC202315428</p> <p>High-Efficiency Development of Shallow Ordinary Heavy Oil Reservoir Utilizing Small Well Spacing Steam Thermal Method</p> <p>Qiang ZHENG, Research Institute of Petroleum Exploration Development,</p>
15:00-15:10	<p>IFEDC202315009</p> <p>Research and application of group steam injection technology in the middle and late stage of Huff and puff for super heavy oil</p> <p>Xiang-Jian SONG, Research Institute of Petroleum Exploration application Development,</p>
15:10-15:20	<p>IFEDC202313921</p> <p>Analysis of viscous mechanism of heavy oil based on density functional theory (DFT)</p> <p>Tian-tian YU , Petroleum Engineering Technology Research Institute, Shengli Oilfield Company, SINOPEC</p>
15:20-15:30	<p>IFEDC202315414</p> <p>Research on ES-SAGD Enhanced Oil Recovery Technology for Extra Heavy Oil Reservoirs</p> <p>Dawei WANG, Research Institute of Petroleum Exploration and Development</p>
15:30-15:40	<p>IFEDC202315032</p> <p>SAGD Enhanced Oil Recovery Technology of Vertical Well Assisted Double Horizontal Well In Super Heavy Oil Category -Iii Reservoir</p> <p>Qing WANG, Research Institute of Petroleum Exploration oil Development,</p>
15:40-15:50	<p>IFEDC202315698</p> <p>Physical and Numerical Simulations of Heavy Oil Recovery Through Supercritical Water Flooding</p> <p>Xiao-yu LI, China University of Petroleum (East China)</p>
15:50-16:00	<p>IFEDC202315001</p> <p>Experimental Study on the Characteristics of Nitrogen-Assisted Vhsd Development in Shallow Heavy Oil Reservoirs</p> <p>Wen-xuan GUO, Research Institute of Petroleum Exploration on Development,</p>
16:00-16:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>

Chemical and Microbial Drive

16:30-16:40	IFEDC202313681 Demulsification Process and Molecular Dynamics Simulation of Changqing Shale Oil Emulsion Layer Huan LI, Exploration and Development Research Institute of Changqing Oilfield Company
16:40-16:50	IFEDC202315115 Effect of Montmorillonite on the Properties of Organic-Inorganic Composite Cross-linked Polyacrylamide Gel System Shi-ling ZHANG, CNPC Engineering Technology R&
16:50-17:00	IFEDC202313499 Research on Enhancing oil recovery with Gasification of Residual Oil for Ultra-High Water Cut Reservoirs Ming-shan DING, Research Institute of Petroleum Engineering and Technology
17:00-17:10	IFEDC202315071 Matching Relationship between Pore Throats of Polymer Microspheres: Macro and Micro Study Xin CHEN, Xi'an Shiyou University
17:10-17:20	IFEDC202314275 Synthesis and performance study of fast-soluble terpolymers for offshore oil fields Yan-feng JI, Research Institute of Petroleum Exploration performance Development,
17:20-17:30	IFEDC202314597 Synthesis and performance of self-cross linked polymer gel Ying XIONG, Research Institute of Petroleum Exploration performance Development,
17:30-17:40	IFEDC202315730 Hydrodynamic Modeling of Single Well Chemical Tracer Test with Drift Fluid Due to Flooding on The Example of The Sutorminskoye Oil Field in Western Siberia Andrey Osipov, Gazpromneft-Technological Partnership LLC, Senior EOR Reservoir Engineer

17:40-17:50	<p>IFEDC202314086</p> <p>Study on the Effect of Introducing Different Anti-hydrolysis Monomers on Polymer Flooding Performance</p> <p>Hui XU , Exploration and Development Research Institute of Sinopec Shengli Oilfield Branch</p>
17:50-18:00	<p>IFEDC202313873</p> <p>Study on Microscopic Mechanism of Viscoelastic Polymer Based on Microfluidic Technology</p> <p>Jia-jun CHEN, Research Institute of Petroleum Exploration microscopic Development,</p>
18:30-20:30	<p style="text-align: center;">Excellent Paper Awards Ceremony</p> <p style="text-align: center;">Eurasian Hall 2nd Floor</p>
<p>21 September, 2023</p>	
<p>Host:</p> <p>Hao CHEN, China University of Petroleum (Beijing), Professor</p> <p>Hong-juan YOU, Engineering Technology Research Institute of Xinjiang Oilfield Company, Senior Engineer</p>	
<p>Gas Drive for Enhanced Oil Recovery</p>	
8:00-8:10	<p>IFEDC202315376</p> <p>A Method for Evaluating the Suitability of CO₂ Injection in Oil Reservoirs Based on Multi model Coupled Machine Learning Algorithm</p> <p>Yan-chun SU, Research Institute of Petroleum Exploration for Development,</p>
8:10-8:20	<p>IFEDC202314073</p> <p>Effects of CO₂ Flooding on Enhanced Oil Recovery at High Water Cut Stage of Low Permeability Reservoir</p> <p>ABITKAZY Taskyn, Research Institute of Petroleum Exploration CO Development,</p>
8:20-8:30	<p>IFEDC202314001</p> <p>Effect of Oil and Gas Separation Conditions on the Recovery of Volatile Reservoirs</p> <p>Ai-fen LI, School of petroleum engineering, China University of Petroleum (East China),</p>

8:30-8:40	IFEDC202314145 The study on impure CO ₂ near miscible flooding phase behavior & action mechanisms & development effect influence factors for low perfectibility reservoir Xian-song ZHANG, CNOOC Research Institute
8:40-8:50	IFEDC202315794 The ultrasonic vibration recovery of rock permeability damaged by filtration of crude oil Evgenii Riabokon, Perm National Research Polytechnic University
8:50-9:00	IFEDC202314855 Experimental investigation on the pyrolysis characteristics of low-medium maturity shale under supercritical CO ₂ Chuan-jin YAO, China university of petroleum
9:00-9:10	IFEDC202313548 Research and Application of Safe and Long-term Steam Injection Technology for Offshore Steam Drive Qi-lin GU, China Oilfield Services Limited
9:10-9:20	IFEDC202314477 Characterization of CO ₂ Huff-n-puff Recovery from Dual Horizontal Wells in Shale Matrix-fractured Reservoirs Yu-yuan SONG, University of Petroleum (East China)
9:20-9:30	IFEDC202314774 Development geological characteristics and technical countermeasures for enhancing recovery of Keshen 8 gas reservoir in Kuqa depression Yong-zhong ZHANG, Tarim Oilfield Company, PetroChina
9:30-9:40	IFEDC202315222 Study on gas channeling and profile control in gas flooding reservoir with hydraulic fracturing Kai LI, Xinjiang Oilfield Company, Petrochina Experimental Testing Research Institute
9:40-9:50	IFEDC202315086 Study on the Development Law of Steam Assisted Gravity Drainage Steam Chamber under the Condition of Multiple Seepage Barriers Wan-Jun HE, PetroChina Xinjiang Oilfield Company
9:50-10:00	IFEDC202314468 Research and application of high efficiency lifting technology of gas detection Wells of CO ₂ flooding Hui LIU, Daqing Yushulin Oilfield of PetroChina Daqing Oilfield Company

10:00-10:30	Tea/Coffee Break and E-poster Session for Knowledge Sharing
Fire Drive Technology & Chemical and Microbial Drive	
10:30-10:45	<p>IFEDC202313710</p> <p>Study on Variation Tendency of Crude Oil in Fireflooding Combustion Zone of Common Heavy Oil Reservoirs</p> <p>Qing-hui Zhao, Research Institute of Petroleum Exploration Variation Development</p>
10:45-11:00	<p>IFEDC202315755</p> <p>The Optimum Reduction Range of Oil Viscosity in Hot Water Injection For Heavy Oil Field</p> <p>Jabayil Eyvazov, SOCAR's Institute, Senior Reservoir Engineer</p>
11:00-11:10	<p>IFEDC202314087</p> <p>Experimental Study On The Dynamic Control Technology During The In-Situ Combustion Process</p> <p>Ren-bao ZHAO, China University of Petroleum Beijing</p>
11:10-11:20	<p>IFEDC202315170</p> <p>Preparation of A Micro Emulsion for Fracture-flooding and Its Mechanisms of Improving Oil Displacement Effects</p> <p>Ye-liang DONG, School of Petroleum Engineering</p>
11:20-11:30	<p>IFEDC202314112</p> <p>Study on the Synthesis of Sulfonate Displacement Agent From Waste Edible Oil</p> <p>Sa Xiao, China Oilfield Services Limited</p>
11:30-11:40	<p>IFEDC202314928</p> <p>Study on Amphiphilic Polymer for Salt Thickening and Emulsification in High Salt Heavy Oil Reservoir</p> <p>Hai-zhuang JIANG, Research Institute of Petroleum Exploration Amphiphilic Development,</p>
11:40-11:50	<p>IFEDC202314034</p> <p>Physical Simulation of Wet Combustion of High Viscous Oil by Hong Qian Fire Flooding</p> <p>Peng ZUO, Experiment Research Institute of Xinjiang Oil Field</p>

11:50-12:00	<p>IFEDC202315778</p> <p>A Study of the Effectiveness of Nitrocellulose Lacquer for Corrosion Control of Medium Carbon Steel</p> <p>Beobelemaye C Nwabueze, Sobaz Nigeria Limited, Commercial Manager</p>
12:00-14:00	<p>Buffet Lunch and Break</p>
<p>21 September, 2023</p>	
<p>Comprehensive Discussion</p>	
<p>Host:</p> <p>Xin-ge SUN, Exploration and Development Research Institute of Xinjiang Oilfield Company, Senior Engineer</p> <p>Hai-yan JIANG, School of Petroleum Engineering, Xi'an Shiyou University, Professor</p>	
14:00-14:10	<p>IFEDC202315049</p> <p>Construction of Reservoir Knowledge Graph for Reservoir Engineering Decision</p> <p>Xin LIU, China University of Petroleum</p>
14:10-14:20	<p>IFEDC202314470</p> <p>Physical Simulation Study on Horizontal Well Injection and Production in Ultra-Low Permeability Reservoirs</p> <p>Hong-chang LI, Exploration and Development Research Institute of PetroChina Changqing Oilfield Branch, Senior Engineer</p>
14:20-14:30	<p>IFEDC202315745</p> <p>Development of a Software Package For Modeling And Optimization Of Acid Treatment Technologies In Sandstone And Carbonate Reservoirs</p> <p>Artyom Kazakov, Strata Solutions, Project Manager</p>
14:30-14:40	<p>IFEDC202313401</p> <p>Dynamic Development Characteristics of Shale Oil Reservoir Pores in Dongying Depression</p> <p>Ting CHEN, Research Institute of Petroleum Exploration Characteristics Development,</p>

14:40-14:50	<p>IFEDC202314091</p> <p>Mechanism Research and Treatment of Low Efficiency Oil Well Based on Improved Capacitance-resistance Model</p> <p>Xiao-hui WU, Tianjin Branch of CNOOC Ltd.</p>
14:50-15:00	<p>IFEDC202315738</p> <p>Applicability of Supercritical Fluid Injection on Shale Oil Reservoir. Experiments, Numerical Simulation and Field Preparings</p> <p>Aleksandr Cheremisin, The Skolkovo Institute of Science and Technology, Head of Laboratory</p>
15:00-15:10	<p>IFEDC202314702</p> <p>Study on the Influence of Pore Group Microstructure and its Distribution on Oil Imbibition Displacement Rate in Tight and Low Permeability Reservoir</p> <p>Huai-jian ZHAI, Engineering Technology Research Institute of Xinjiang Oilfield Co.</p>
15:10-15:20	<p>IFEDC202313459</p> <p>Research on the Effect of Nanoemulsion on Relieving Water Locking Damage in Fractured Tight Sandstone Gas Reservoirs</p> <p>Liang-jun ZHANG , School of Petroleum Engineering</p>
15:20-15:30	<p>IFEDC202315455</p> <p>Study on Plugging Characteristics of Enhanced Nitrogen Foam System in POLIEs</p> <p>Jing-yu ZHANG, China University of Petroleum (East China)</p>
15:30-15:40	<p>IFEDC202314797</p> <p>Study on Characteristics and Mechanism of Foam Flooding in Bottom Water Reservoir</p> <p>Yan XIn, China University of Petroleum (East China)</p>
15:40-15:50	<p>IFEDC202314952</p> <p>Influence of Formation Quality at the Top Part of Fluvial-Facies Reservoirs on Horizontal Well Deployment</p> <p>Siyuan LIU, Research Institute of Petroleum Exploration formation Development,</p>
15:50-16:00	<p>IFEDC202315191</p> <p>Study on the Nonlinear Rheological Method of Polymer Gels and its Influencing Factors</p> <p>Hao WU , Research Institute of Petroleum Exploration the Development,</p>
16:00-16:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>

Fracturing Technology

16:30-16:45	IFEDC202314085 Influencing Factors And Engineering Parameter Optimization Of Fractured Horizontal Well Productivity In Tight Gas Reservoir Yun-dong XU, Research InGasitute of Petroleum Exploration And Development,
16:45-17:00	IFEDC202315786 Modeling polymer injection into a fractured reservoir for enhanced oil recovery Poplygin Vladimir, Perm National Research Polytechnic University, Dean
17:00-17:10	IFEDC202313276 Technology and Research on Enhanced Oil Recovery by Phase Displacement and Permeability Combined with Volume Fracturing in Tight Reservoirs of Huaqing Oilfield Ce WANG, Petrochina changqing Oilfield Company 10th oil production plant
17:10-17:20	IFEDC202314851 Research on the Diversion Capacity of Deep Shale Supporting Fractures in Luzhou Jia-jun LI, Shale Gas Research Institute of PetroChina Southwest Oil & Gas Field Company
17:20-17:30	IFEDC202314475 Design of Unconsolidated Sandstone Tip Screen-out Fracturing under the Actor of Proppant Complication Li-jie HAN, China University of Petroleum (Beijing)
17:30-17:40	IFEDC202314867 Research and Application of Dual-Packer Single-Layer Pressure Drag Volume Fracturing String Jian YAN, Chuanqing Drilling Engineering Company Limited Changqing Downhole Technology Company
17:40-17:50	IFEDC202314234 Investigation of Influencing Factors on Reservoir Damage Caused by Polyacrylamide Fracturing Fluids with Different Gel Breaking Degree Zhong-zheng XU, China University of Petroleum (East China)
17:50-18:00	IFEDC202315090 Prediction of Productivity of Fractured Horizontal Wells Based on Tree Regression Method in Shale Reservoirs Yu CHEN, College of Petroleum Engineering, Yangtze University

18:30-20:30	Buffet Dinner
22 Septmber,2023	
Host: Xing-guang XU, School of Resources, China University of Geosciences (Wuhan), Professor Rui-bo CAO, Recovery Factor Research Office 1, Exploration and Development Research Institute, Daqing Oilfield Co., Ltd., Director	
Remaining Oil Storage and Potential Tapping	
8:00-8:15	IFEDC202313477 Reasonable Energy Supplement And Eor Technology For Long Horizontal Well Of Tight Oil XU Ning, Exploration and development research institute
8:15-8:30	IFEDC202315603 Experimental Evaluation Of The Succession Sequence During Commingled Production In a Tight Gas Reservoir Hong-nan Yang, Research Institute of Petroleum Exploration of Development,
8:30-8:45	IFEDC202314296 A Study On The Conversion Of Water Injection Development In Ultra-Low Permeability Oilfields In The Periphery of Daqing Linlin ZHU, Daqing Field Limited
8:45-9:00	IFEDC202314995 Study on Key Technology of Tapping Potential and Adjustment at High Water Cut Stage in Offshore Delta Oilfield Kui-qian MA, Research Institute of Petroleum Exploration key Development,
9:00-9:10	IFEDC202315757 Research and Application of Injection-production Linkage Coupling Control Technology Wang PENG, SINOPEC Shengli Oilfield Company Petroleum Engineering Technology Research Institute

9:10-9:20	<p>IFEDC202313796</p> <p>Research on Water Alternating Gas (WAG) flooding dynamic adjustment of water-gas ratio and slug sizes method in low permeability reservoir</p> <p>Le-kun ZHAO, China University of Petroleum (Beijing)</p>
9:20-9:30	<p>IFEDC202314962</p> <p>Technical Measures for Resumption of Production Wells with Liquid Accumulation in Tight Sandstone Gas Reservoirs</p> <p>Yueqi ZHANG, Research Institute of Petroleum Exploration for Development,</p>
9:30-9:40	<p>IFEDC202313362</p> <p>Analysis of Influencing Factors of Horizontal Well Interwell Interference and Well Spacing Optimization in Ultra-Low Permeability Reservoir</p> <p>Jia-wei REN, Oil&Gas Technology Research Institute</p>
9:40-9:50	<p>IFEDC202314434</p> <p>The Occurrence Patterns and Production Strategies of Micro Residual Oil in Different Reservoirs</p> <p>Wei-wei LIU, Exploration and Development Research Institute of PetroChina Jidong Oilfield Branch, Senior Engineer</p>
9:50-10:00	<p>IFEDC202314686</p> <p>Analysis of the Degree of Utilization and Gas-Liquid Interface in the Horizontal Section of Multi Branch SAGD</p> <p>Yu BAO, China Petroleum Exploration and Development Research Institute, Senior Engineer</p>
10:00-10:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
<p>Unblocking and Plugging Technology&Water Flooding to Improve Oil Recovery</p>	
10:30-10:45	<p>IFEDC202314095</p> <p>Preparation and Evaluation of Intelligent Composite Plugging Agent Based on Temperature-Sensitive Shape Memory Polymer and Gel</p> <p>Long-hao TANG, Research Institute of Petroleum Exploration evaluation Development,</p>

10:45-11:00	<p>IFEDC202314936</p> <p>A New Insight into Comprehensive Treatment of Particle Migration Damage in Offshore Loose Sandstone Oilfield</p> <p>Guang WU, China Offshore Service Limited Co.</p>
11:00-11:10	<p>IFEDC202314706</p> <p>Study on Reasonable Gas Recovery Rate of Water Drive Gas Reservoir</p> <p>Ming LI Research Institute of Exploration & Development, Tarim Oilfield Company, PetroChina</p>
11:10-11:20	<p>IFEDC202315284</p> <p>Research and Application of Profile Control Technology for Improving the Recovery Factor of Medium and High Permeability Reservoirs</p> <p>Ying-he LI, China National Petroleum Corporation</p>
11:20-11:30	<p>IFEDC202314760</p> <p>Study and Application of Offgas Re-injection to Enhance Gas Recovery in Ultra Low Pressure Gas Field</p> <p>Yan LU, Zhanjiang Branch of CNOOC Ltd</p>
11:30-11:40	<p>IFEDC202315635</p> <p>Blockage Types of Gas Well and Technical Countermeasures for De-plugging in Low-permeability Tight Gas Reservoirs</p> <p>Qiao-yun YANG, Tongxin Technology</p>
11:40-11:50	<p>IFEDC202315033</p> <p>Microsimulation Experiment of Water Gas Drive in Fractured Low Porosity Sandstone Gas Reservoir of Kuqa Depression, Tarim Basin</p> <p>Hai-ming LI, Geophysical Research Institute of Tarim Oilfield Company</p>
11:50-12:00	<p>IFEDC202313913</p> <p>Research and application of microbiological activated water flooding technology in ultra-low permeability reservoirs: a case study of B153 in Huaqing Oilfield</p> <p>Zhi-hao LI, Research Institute of Petroleum Exploration application Development,</p>
12:00-14:00	<p>Buffet Lunch and Break</p>

Session10 Shanghai B Hall, 3rd Floor

Session A: Geothermal Resource Exploration and Development

Co-organized by: China University of Geosciences (Wuhan)

Convener: Shu JIANG

Date: 20-21 September, 2023

20 September, 2023	
Geothermal Resource Exploration and Development	
Host: Shu JIANG, China University of Geosciences (Wuhan), Professor Jin-chuan ZHANG, China University of Geosciences (Beijing), Professor	
14:00-14:20	IFEDC Research Progress and Technical Challenges in The Development of Dry Hot Rock Geothermal Energy at Home And Abroad Tian-fu XU, Jilin University, Professor
14:20-14:40	IFEDC Development of Geothermal Resources in Sedimentary Basins And its Role in Achieving Dual Carbon Goals Zhan-li REN, Northwestern University, Professor
14:40-15:00	IFEDC Genesis and Exploration of the High Temperature Geothermal System in the Pamir Plateau Jin-chuan ZHANG, China University of Geosciences (Beijing), Professor
15:00-15:20	IFEDC High Efficiency Well Construction and Insulation Development Technology for Geothermal Wellbore Xian-zhong YI, Yangtze University, Professor

15:20-15:40	<p>IFEDC</p> <p>Shanxi Plate High Temperature Geothermal System</p> <p>Qing-hai GUO, China University of Geosciences (Wuhan) ,Professor</p>
15:40-16:00	<p>IFEDC</p> <p>The Influence of The Distribution Characteristics of Dry Hot Rock Fracture System on the Thermal Performance of Geothermal Injection</p> <p>Hai-yan ZHU, Chengdu University of Technology, Professor</p>
16:00-16:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
16:30-16:50	<p>IFEDC</p> <p>A New Method for Continuously Discontinuous Numerical Simulation of Rock Mass Mechanics and Its Application in Geothermal Development Research</p> <p>Bing BAI, Institute of Geotechnical Engineering, Chinese Academy of Sciences</p>
16:50-17:10	<p>IFEDC</p> <p>Evaluation Techniques for Geothermal Resources in Oil and Gas Bearing Basins</p> <p>Yin-hui ZUO, Chengdu University of Technology, Professor</p>
17:10-17:30	<p>IFEDC</p> <p>Discussion on Evaluation Methods and Parameters of Deep Geothermal Resources - Taking the South China Region as an Example</p> <p>Ying ZHANG, Sinopec Exploration and Development Research Institute</p>
17:30-17:45	<p>IFEDC202313691</p> <p>Evaluation of Sensitivity Damage Degree of Sandstone Geothermal Reservoir in Lantian Bahe Formation, Guanzhong Area</p> <p>Hong GUO, Shaanxi Hygrogeology Engineering Geology and Environment Geology Survey Center</p>
17:45-18:00	<p>IFEDC202314812</p> <p>Calculation of Granite Volume Using Residual Gravity Anomaly Flux Ratio Method</p> <p>Zhan-jun YANG, BGP Inc., China National Petroleum corporation</p>
18:30-20:30	<p>Excellent Paper Awards Ceremony</p> <p>Eurasian Hall 2nd Floor</p>
<p>21 September 2023</p>	

Host: Zhan-li REN, Northwestern University, Professor Yin-hui ZUO, Chengdu University of Technology, Professor	
8:00-8:20	IFEDC Research on the Heat Transfer Efficiency of Buried Pipe Heat Exchanger and the Heat Transfer Characteristics of Rock and Soil Mass Bin DOU, China University of Geosciences (Wuhan), Professor
8:20-8:40	IFEDC To be confirmed Huan-lai ZHU, Northeast Petroleum University, Professor
8:40-9:00	IFEDC Genesis and Exploration of the High Temperature Geothermal System in the Pamir Plateau Shi-hua QI, China University of Geosciences (Wuhan), Professor
9:00-9:20	IFEDC202313983 Study of Offshore Heavy Oil Thermal Recovery Displacement Based on Geothermal Energy Tao LIN China Oilfield Services Ltd. (COSL Production Optimization)
9:20-9:40	IFEDC To be confirmed De-min LIU, China University of Geosciences (Wuhan), Professor
9:40-10:00	IFEDC To be confirmed Zhong-kuo LIN, PetroChina Liaohe Oilfield Branch Company
10:00-10:30	Tea/Coffee Break and E-poster Session for Knowledge Sharing
10:30-10:50	IFEDC To be confirmed Sheng-biao HU, Institute of Geology and Geophysics, Chinese Academy of Sciences
10:50-11:10	IFEDC202315313 Laboratory Investigation of Cryogenic Fracturing Effect of Hot Dry Rock Wellbores Under Triaxial-Confining stresses Pengpeng HUANG, CNPC Engineering Technology R&D Company Limited

11:10-11:30	<p>IFEDC202314835</p> <p>Study on the Characteristics of Fracturing Fracture Propagation and Turning in Carbonate Dry Hot Rock</p> <p>Zhi-ying WU, Research Institute of Petroleum Exploration the Development,</p>
11:30-11:45	<p>IFEDC202315802</p> <p>Opportunities and Challenges Of Geothermal Energy From Abandoned Oil And Gas Wells</p> <p>Alireza Shiravani Moghaddam, NIOC, Exploration Directorate, Drilling Supervisor</p>
11:45-12:00	<p>IFEDC202315073</p> <p>Feasibility Study of Geothermal Heating Project in Wucheng County, Dezhou City, Shandong Province -- Analysis And Forecast Of Heating Market</p> <p>Bo-shun LV, New Energy Business Unit, Jidong Oilfield Company of CNPC</p>
12:00-14:00	<p>Buffet Lunch and Break</p>

Session B: Carbon Capture, Utilization and Storage (CCUS)

Co-organized by: Sinopec Shengli Oil Field Branch and Wuhan Institute of Rock and Soil Mechanics, the Chinese Academy of Sciences.

Convener: Xiao-ming CAO, Qi LI

Date: 21-22 September, 2023

21 September, 2023

Host:

Xiao-ming CAO , Exploration and Development Research Institute, Sinopec Shengli Oilfield Branch Company, Vice Dean

Yan-kun SUN, China University of Geosciences (Wuhan), Professor

Carbon Utilization EOR

14:00-14:15	IFEDC202315594 Study and Experiment on Ccus-Eor Technology of Shale Oil in Dagang Oilfield Haifeng WANG, Research In Dagangitute of Petroleum Exploration experiment Development,
14:15-14:30	IFEDC202315283 Residual Oil Characteristics and Production Mechanism of Co2 Asynchronous Injection And Production In Complex Fault Block Reservoirs Zhi-lin WANG, Jiangsu Oilfield Company, SINOPEC
14:30-14:45	IFEDC202315555 The Evaluation of Co2 Immiscible Displacement in Ultra-Low Permeability Reservoir Juan ZHANG, Xi'an Shiyou University
14:45-15:00	IFEDC202314297 Research and Practice on CCUS Process Supporting Technology for Heavy Oil Bottom Water Reservoirs Zu-feng ZHANG, Research Institute of Petroleum Exploration Practice Development,
15:00-15:15	IFEDC202314618 Molecular Simulation of Hydrocarbon Recovery from Calcite Surface with the Implications for CO2 Storage in Nanopores Cheng QIAN, China University of Petroleum (Beijing)
15:15-15:30	IFEDC202315558 Study on the Influencing Factors Of Pre-Co2 Blowback After Pressure Yu-lei XIA, CCDC Changqing Downhole Technology Company
15:30-15:40	IFEDC202314455 The Model to Predict the Viscosity of Hydrocarbon Mixtures Containing CO2 Xue YAN, Research Institute of Petroleum Exploration to Development
15:40-15:50	IFEDC202315636 Experimental Study on the Influence of Injection Modes on Co2 Flooding and Storage In Ultra-Low Permeability Reservoirs Wen-cheng GUO, Exploration and Development Research Institute of Shengli Oilfield Company, SINOPEC.
15:50-16:00	IFEDC202313719 Static Performance Evaluation of the Sealing System and its Sealing Effect in CO2 Flooding Shengen CHEN, Research Institute of Engineering Technology

16:00-16:30	Tea/Coffee Break and E-poster Session for Knowledge Sharing
Carbon Sequestration	
16:30-16:45	IFEDC202315768 How CCS and Geothermal Resources Assessment Can Benefit from Basin And Petroleum System Modeling Techniques Pierre Y. CHENET, TECHNE, President
16:45-17:00	IFEDC202313261 Monitoring Methods and Experiments for Geological Storage of Carbon Dioxide During Earthquake in Wells Zhi-dong CAI, CNPC Aobo (Chengdu) Technology Co., Ltd, Senior Engineer
17:00-17:15	IFEDC202315726 An Image-Based Coal Network Model for Simulating Hydro-Mechanical Gas Flow in Coal: an Application to Carbon Dioxide Geo-Sequestration Yu Jing, University of New South Wales, Scientia Lecturer
17:15-17:30	IFEDC202315100 CO2 Storage in Deep Saline Aquifer Injection types, Well Placement and Well Control Co-optimization Ze-hao XIE, Research Institute of Petroleum Exploration in Development,
17:30-17:45	IFEDC202314747 Simulation and Optimization of CO2 Saline Aquifer Storage Injection Strategy Yi-ran ZHOU, China University of Petroleum (East China)
17:45-18:00	IFEDC202315328 Research on Permeability prediction method of CO2 storage layer based on Random forest Ping LU, Huai Rou Laboratory
18:30-20:30	Buffet Dinner
22 September, 2023	
CCUS Analysis, Application, and Prospects	

Host: Qi LI, Wuhan Institute of Geotechnical Mechanics, Chinese Academy of Sciences, Researcher Qiao LV, Hainan University, Researcher	
8:00-8:15	IFEDC Current Status and Prospects of CCUS Technology Development Zhen-hua RUI, School of Carbon Neutrality Future Technology, China University of Petroleum (Beijing), Vice Dean
8:15-8:30	IFEDC202315792 A Strategic Analysis of Carbon Capture and Storage Techniques in the Oil and Gas Industry: A Comprehensive Approach Muhammad Bin Irfan, NED University of Engineering and Technology, PhD Candidate
8:30-8:45	IFEDC202315482 Analysis of the Development Status and Policy Trends of Carbon Pricing Mechanism in the Oil and Gas Industry Yun Peng, Research Institute of Petroleum Exploration the Development
8:45-9:00	IFEDC202315770 CCS/CCUS Technologies in Russia, from theory to practice Sergey A. Yaschenko, Tyumen Petroleum Research Center, Chief Project Engineer
9:00-9:15	IFEDC202315372 Carbon Trading Pricing Mechanism and its Impact on the E&P Industry Yu-jia Wu, Research Institute of Petroleum Exploration pricing Development
9:15-9:30	IFEDC202315784 Scientific Research on CO2 Performance as a Key Component of Ccus Projects Morozyuk Oleg, Tyumen Petroleum Research Center, Senior Expert
9:30-9:40	IFEDC202313299 Analysis and Prospect of Key Technologies for CCUS Coupling Hydrogen Production Zhuo-cheng YIN, Jiangnan Machinery Research Institute Limited Company, CNPC.
9:40-9:50	IFEDC202314666 International Oil Company CCUS Business and Technology Models Xi WANG, Research Institute of Petroleum Exploration Company Development,
9:50-10:00	IFEDC202315339 Current Status and Enlightenment of Overseas Upstream Carbon Emission Accounting System Hong-jia CUI, Research Institute of Petroleum Exploration & Development

10:00-10:30	Tea/Coffee Break and E-poster Session for Knowledge Sharing
Experimental Study on Carbon Storage	
10:30-10:45	<p>IFEDC202313813</p> <p>Study on Mechanism of Co2 Storage by High Pressure N2 Impact Fracture Propagation In Depleted Oil And Gas Reservoirs</p> <p>Xin-fu LIU, Research Institute of Petroleum Exploration mechanism Development,</p>
10:45-11:00	<p>IFEDC202314184</p> <p>Effects of Supercritical Co2 Water Imbibition Under Dynamic Pressures on Shale's Mechanical Properties</p> <p>Qian LV, Hainan University</p>
11:00-11:10	<p>IFEDC202315728</p> <p>Carbon Capture and Storage (CCS), Evaluation of Carbon Dioxide Storage Efficiency at the Western Siberia Field.</p> <p>Andrei Ivanovich Cheban, Coretest Service Ltd, Head of the Laboratory</p>
11:10-11:20	<p>IFEDC202315439</p> <p>Research on the Microscopic Migration Law of CO2 in Salt Water Storage Based on Pressure Driving</p> <p>Jing LI, China University of Petroleum (East China)</p>
11:20-11:30	<p>IFEDC202314959</p> <p>Experimental Study on Fracture Propagation of Tight Sandstone under True Triaxial Fracturing with Supercritical CO2</p> <p>Zhi-fan YANG, Engineering Technology Research Institute of Southwest Oil and Gas Field Company</p>
11:30-11:40	<p>IFEDC202313292</p> <p>study on Effect of Supercritical Carbon Dioxide on Mechanical Properties of Tight Sandstone Reservoir In Sichuan Basin</p> <p>Du WANG, Engineering Technology Research Institute</p>
11:40-11:50	<p>IFEDC202315734</p> <p>Analysis Of CO2 Storage Capacity In Saline Aquifer And Geological Traps Using Reservoir Simulation Approach</p> <p>Waqar Ahmad, Chang'an University, PhD Candidate</p>

11:50-12:00	IFEDC202313546 Experiment on CO ₂ -CH ₄ Interaction during Co ₂ Injection and Storage in Water-Bearing Gas Reservoir Yu SUN, Southwest Petroleum University
12:00-14:00	Buffet Lunch and Break

Session11 Zhuhai Hall, 3rd Floor

Gas Storage Facility Construction and Operation Management

Co-organized by: PetroChina Jidong Oilfield Branch Company

Convener: Wei LIU

Date: 20-21 September, 2023

20 September, 2023	
Host: Wei LIU, China Petroleum Jidong Oilfield Branch Company, Chief Expert Lian-gang WANG, Gas Storage Department, PetroChina Oil and Gas and New Energy Branch Company, Director	
Dynamic Analysis of Gas Storage	
14:00-14:20	IFEDC Accelerate Intelligent Transformation, Implement Fine Management, and Promote Efficient Operation Of Gas Storage Capacity and Production Capacity Gang HE, Gas Storage Branch of China National Petroleum Corporation, Vice General Manager
14:20-14:40	IFEDC Key Technologies and Scale Applications for Efficient Expansion and Production Enhancement of Complex Fault Block Gas Storage Reservoirs Quan-guo WANG, Tianjin Gas Storage Branch of PetroChina Dagang Oilfield Company, Chief Geologist
14:40-15:00	IFEDC Research and Practice on Key Technologies for Capacity Expansion and Production of Double 6 Gas Storage Zhong-shun MIN, Natural Gas Research Institute and Exploration and Development Research Institute of PetroChina Liaohe Oilfield Branch, Director

15:00-15:20	IFEDC Dynamic Analysis Technology for Multi Cycle Injection and Production of Gas Storage Reservoirs Wei LIAO, PetroChina Xinjiang Oilfield Company Gas Storage Co., Ltd., Chief Geologist
15:20-15:40	IFEDC202313788 Performance Evaluation of Multi-Cycle Injection-Production of Sizhan Gas Storage Gao TAO, Institute of Exploration and development, Daqing Field
15:40-16:00	IFEDC202314681 Exploration of Dynamic Analysis Technology to Oil-Type Underground Gas Storage - A Case Study of NanPu No.1 gas Storage Cai-Yun HU, Research Institute of Petroleum Exploration Dynamic Development,
16:00-16:30	Tea/Coffee Break and E-poster Session for Knowledge Sharing
Geological evaluation of Gas Storage	
16:30-16:50	IFEDC In-situ Stress Testing Technology and Fault Stability Evaluation for Gas Storage Dong-sheng SUN, Institute of Geomechanics, Chinese Academy of Geological Sciences, Director
16:50-17:10	IFEDC202313430 Determination and Analysis about Geostress of Salt Cavern Gas Storage in Ningjin Extremely Deep Formation Bing-ren Hou, Hebei Natural Gas Company Limited
17:10-17:30	IFEDC Micro Seismic Monitoring Technology and Application Examples for Ultra Deep And Complex Reservoirs Hao ZHANG, Institute of Geomechanics, Chinese Academy of Geological Sciences, Associate Researcher,
17:30-17:45	IFEDC202315322 Fault Dynamic Stability Evaluation Based On Slip Trend And Expansion Trend Chun-yan XIN, Research Institute of Petroleum Exploration stability Development

17:45-18:00	<p>IFEDC</p> <p>3D in-situ Stress Testing Technology and Application Examples for Soft Rocks</p> <p>Ya -jun LEI, China University of Petroleum (Beijing)</p>
18:30-20:30	<p style="text-align: center;">Excellent Paper Awards Ceremony</p> <p style="text-align: center;">Eurasian Hall 2nd Floor</p>
<p>21 September, 2023</p>	
<p>Host:</p> <p>Zhong-shun MIN, Exploration and Development Research Institute of PetroChina Liaohe Oilfield Branch Company, Senior Engineer</p> <p>Quan-guo WANG, Tianjin Gas Storage Branch of PetroChina Dagang Oilfield, Chief Geologist</p>	
<p>Gas Storage Engineering</p>	
8:00-8:20	<p>IFEDC</p> <p>Exploration and Practice of Key Technologies for Domestic Offshore Oil Reservoir Gas Storage</p> <p>Qun-yi WANG, PetroChina Jidong Oilfield Branch Company, Senior Technical Expert</p>
8:20-8:40	<p>IFEDC</p> <p>Key Indicator Design Technology for Multi Factor Integration of Gas Storage</p> <p>Xiao-ming MA, Exploration and Development Research Institute of PetroChina Dagang Oilfield Company, Technical Director</p>
8:40-9:00	<p>IFEDC202314602</p> <p>A New Model for Large Lithological Gas Reservoirs rebuilt and dynamic boundary Prediction Method</p> <p>LI Chun, Research Institute of Petroleum Exploration Model Development,</p>
9:00-9:15	<p>IFEDC202314018</p> <p>Research on Capacity and Influencing Factors of Underground Gas Storage Transformed from Oil Reservoirs</p> <p>Shu-he YANG, Dagang Oilfield Exploration and Development Research Institute of PetroChina</p>
9:15-9:30	<p>IFEDC202314968</p> <p>Research on Gas Drive Front Distribution of Storage In Oil Fields Based on Field Test Monitoring Inversion</p>

	Hai-yan He, Research Institute of Petroleum Exploration gas Development,
9:30-9:45	IFEDC202313641 Evaluation of Gas Injection Capacity of Gas Injection Wells in Reservoir type Gas Storage Xing ZHAO, Tarim Oilfield Company
9:45-10:00	IFEDC202314578 Study on Expansion Mechanism and Displacement Efficiency of Reservoir Gas Storage Ying-na TANG, Dagang Oilfield Exploration and Development Research Institute of PetroChina
10:00-10:30	Tea/Coffee Break and E-poster Session for Knowledge Sharing
New Functions of Gas Storage	
10:30-10:50	IFEDC202313380 Feasibility Analysis of Hydrogen Storage in Depleted Gas Reservoir Chuan-zhi CUI, School of Petroleum Engineering in China University of Petroleum (East China)
10:50-11:10	IFEDC202314664 Benefit Evaluation Model Discussion of Unexhausted-Oil Reservoir Type Gas Storage Ke-jia TONG, Research Institute of Petroleum Exploration model Development
11:10-11:30	IFEDC202315053 Material Selection and Construction Guidance of Gas Storage in Compressed Air Energy Storage by Analytic Solution and Phase Field Theory Rui SUN, School of Mechanics and Civil Engineering
11:30-11:45	IFEDC202315185 Research on Rapid Identification Method for Defects in Gas Storage Well Bores Cheng-kun YANG, Research Institute of Petroleum Exploration Rapid Development,
11:45-12:00	IFEDC202313380 Feasibility Analysis of Hydrogen Storage in Depleted Gas Reservoir Chuan-zhi CUI, School of Petroleum Engineering in China University of Petroleum (East China)

12:00-14:00	Buffet Lunch and Break
21 September, 2023	
Host: Qun-ce CHEN, Institute of Geomechanics, Chinese Academy of Geological Sciences, Chief Scientist De-wen ZHENG, China Petroleum Exploration and Development Research Institute, Chief Expert	
Gas storage Drilling and Production Technology	
14:00-14:20	IFEDC Current Status and Suggestions of Gas Storage Well Engineering Technology Guang-jie YUAN, Unconventional Oil and Gas Engineering Research Institute, China Petroleum Engineering Technology Research Institute, Director
14:20-14:40	IFEDC202314213 Exploration and wellbore reconstruction technology for offshore gas storage wellheads Wen-jin WAN , Gas Storage Construction Project Department of China Petroleum Jidong Oilfield Company
14:40-15:00	IFEDC202315261 Application of Casing Cementing Formation Evaluation Comprehensive Logging Technology in Shuang-6 Gas Storage Jihui LIU, PetroChina logging Co. Ltd., Liaohe Branch
15:00-15:15	IFEDC202314268 Research and Application of Gas Lift Drainage Technology for Oil and Gas Reservoir Construction as Gas Storage Xiao-xu LIU, Research Institute of Drilling and Production Technology, PetroChina Jidong Oilfield Company
15:15-15:30	IFEDC202314190 Study on Influencing Factors of Sealing Pipe Thread Connection Qiao-juan GAO, Beijing Petroleum Machinery Co.
15:30-15:45	IFEDC202315811 Progress and Prospect of Intelligent Construction of Sinopec Underground Gas Storage Li-dong MI, Sinopec Petroleum Exploration and Development Research Institute
15:45-16:00	IFEDC202313419

	Exploration of Gas Reservoir Modeling Technology and its Application in Sulige Gas Field A Case of Sudong-X Reservoir You ZHOU, Exploration and Development Research Institute, Changqing Oilfield
16:00-16:30	Tea/Coffee Break and E-poster Session for Knowledge Sharing
Comprehensive Discussion	
16:30-16:45	IFEDC202313536 Analysis and Numerical Simulation of Tectonic Stress Field of Gas Storage Research Area in Ningjin Salt Mine Area Zhiqiang LI, Hebei Natural Gas Company Limited
16:45-17:00	IFEDC202314944 Fine Anatomy of Reservoir Structure And Evaluation Of Gas Storage Space In Deepwater Sublacustrine Fan Sandstone Reservoir—Take Jidong Pg2 Gas Storage As An Example Miao Wang, Research Institute of Petroleum Exploration of Development,
17:00-17:15	IFEDC202314910 Sealing Evaluation of Gas Storage Based on Geomechanical Method Shu-jun LAI, Geophysics Institute of Talimu oilfield of CNPC
17:15-17:30	IFEDC202315297 Deployment and Application of Nanpu N Gas Storage Dynamic Monitoring System Zhi-bin YANG, Petrochina Jidong Oilfield Company
17:30-17:45	IFEDC202313447 Analysis and Evaluation of Geological Conditions for Construction of Ultra-Deep Salt Cavern Gas Storage in Ningjin Chang-fu YU, Hebei Natural Gas Company Limited
17:45-18:00	IFEDC202314339 Prediction of staged Gas Injection and Production Capacity for Reconstruction of Gas Storage in Offshore Water Injection Reservoirs-A Case Study of NanPu No.1 gas Storage Qian JIA, Jidong Oilfield Company

18:30-20:30	Buffet Dinner
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IFEDC

Session12 Qinyuanchun Hall , 2nd Floor

Artificial Intelligence and Big Data Application in Oil & Gas Fields

Co-organized by : China University of Petroleum (Beijing) and China University of Geosciences (Wuhan)

Convener: Li-zhi XIAO, Bin GONG

Date: 20-22 September, 2023

20 September, 2023	
Host: Li-zhi XIAO, School of Artificial Intelligence, China University of Petroleum (Beijing), Dean Tao MA, Kunlun Digital Intelligence Technology Co., Ltd., Senior Engineer	
Intelligent Prediction of Production Dynamics	
14:00-14:15	IFEDC202315331 Development Index Prediction through Big Data Analysis for QX ultra-deep Permian Marine Carbonate Gas Reservoir in Sichuan Basin, China Xiao-hua LIU, Research Institute of Petroleum Exploration Prediction Development,
14:15-14:30	IFEDC202315733 Implementation of Machine Learning Based Systems into Production Vladimir I. Bulaev, JSSPC Geofizika, Data scientist
14:30-14:45	IFEDC202314397 Intelligent Prediction Technology for Production of Tight Oil Based on Data Analysis Ning LI, Research Institute of Petroleum Exploration & amp
14:45-15:00	IFEDC202315079 Hybrid Model Based on Attention Mechanism for Production Prediction of Sucker Rod Well Xin-yan WANG, China University of Petroleum (East China)
15:00-15:15	IFEDC202315647 Forecasting Method of Monthly Oil Production Based on Machine Learning Xiao-lin WANG, Research Institute of Petroleum Exploration of Development,

15:15-15:30	<p>IFEDC202314847</p> <p>DL-NRS Net: A New Methodology to Accelerate Subsurface Flow Simulation on Augment Coarse-Grid via Physics-Informed Deep Learning</p> <p>Jian-qiao LIU, Research Institute of Petroleum Exploration Net Development,</p>
15:30-15:45	<p>IFEDC202315371</p> <p>A Knowledge Base of Shale Gas Play and its Application on EUR Prediction Based on Knowledge Graph and Automated? Machine Learning Techniques</p> <p>Xiang-guang ZHOU, Research Institute of PetroChina Exploration and Production</p>
15:45-16:00	<p>IFEDC202314421</p> <p>An Attention-Based Temporal and Spatial Convolution Recursive Neural Network for Surrogate Modelling of the Production Curve Prediction</p> <p>Xu CHEN, China University of Petroleum (East China)</p>
16:00-16:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
16:30-16:45	<p>IFEDC202315163</p> <p>Construction and Application of Oil And Gas Exploration and Development Knowledge Sharing System Based on Knowledge Graph</p> <p>Ren-bin GONG, Research Institute of Petroleum Exploration and Development</p>
16:45-17:00	<p>IFEDC202315409</p> <p>Design of Advanced Data Analysis Function for Offshore Intelligent Oil and Gas Field Production Control Center</p> <p>Nan-nuo ZENG, Hainan Branch of CNOOC (China) Co., Ltd.</p>
17:00-17:15	<p>IFEDC202314197</p> <p>Ontology Construction Technology of Knowledge Graph in Oil and Gas Exploration and Development</p> <p>Ning LI, Research Institute of Petroleum Exploration Technology Development,</p>
17:15-17:30	<p>IFEDC202313759</p> <p>Research on Stability Evaluation and Adjustment Method of Concentrated Casing Damage Area Based on Gradient Lifting Algorithm</p> <p>Bing-bing YANG, Exploration and Development Research Institute of Daqing Oilfield Co. Ltd.</p>

17:30-17:45	IFEDC202314483 The Hybrid Question-And-Answer Method for Knowledge Graph And Documents Of Global Petroliferous Basins Ting-yu JI, China University of Petroleum (Beijing)
17:45-18:00	IFEDC202313668 Design and Implementation of Cloud-Based Transformation of Traditional Logging Applications Kun SHAO, Logging Technology Research Institute of CNPC Logging Co., Ltd.
18:30-20:30	Excellent Paper Awards Ceremony Eurasian Hall 2nd Floor
21 September, 2023	
Host: Bin GONG, China University of Geosciences (Wuhan), Professor Ren-bin GONG, China Petroleum Exploration and Development Research Institute, Chief Expert	
Digital Oilfield Construction	
8:00-8:15	IFEDC202313915 Application Practice Of Tarim Intelligent Online Collaborative Working Platform "Tantu" In Intelligent Oilfield Management JiaWei Fan, PetroChina Tarim Oilfield Company
8:15-8:30	IFEDC202314505 Exploration and Practice of Digital Transformation of Oil and Gas Upstream Busine Tao MA, Kunlun Digital Technology Co., Ltd.
8:30-8:45	IFEDC202314445 Modeling Method of Minimum Collaborative Work Unit Based on Petroleum And Gas Exploration And Development Dream Cloud Digital Platform Lei-MA, PetroChina Tarim Oilfield
8:45-9:00	IFEDC202313414 Oriented Oilfield Structured Data Quality Assessment Model Xue-song SU, Technology Inspection Center of Shengli Oilfield

9:00-9:15	<p>IFEDC202314942</p> <p>The Design and Realize of Cloud-Native Application in Oilfield Geological Engineering Collabrative Research</p> <p>Er-biao LOU, Tarim Oilfield Company</p>
9:15-9:30	<p>IFEDC202314306</p> <p>On the Design and Application of Oil Field Analysis and Laboratory Data Sequence And Standardized Management</p> <p>Shun-cai WANG, DaQing Oil Field E&P Research Institute</p>
9:30-9:45	<p>IFEDC202315740</p> <p>Digital and Technological Ecosystem in the Field Of Exploration Geophysics</p> <p>Gleb Sergeevich Grigorev, Gazprom Neft, Head of the Direction</p>
9:45-10:00	<p>IFEDC202315047</p> <p>Study on the Digitization Scheme of Gas Storage In Jidong Oilfield</p> <p>Chong-Zhi ZHAO, Research Institute of Petroleum Exploration the Development,</p>
10:00-10:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
<p>Intelligent Drilling and Production Engineering</p>	
10:30-10:45	<p>IFEDC202314192</p> <p>Study on Optimization Method of Well and Layer Selection Based on Big Data Analysis in the Lateral Drilling Horizontal Well of the Ultra-Short Radius</p> <p>Jia-chun WANG, Research Institute of Petroleum Exploration optimization Development,</p>
10:45-11:00	<p>IFEDC202313530</p> <p>Research on Fault Diagnosis System of Key Drilling Equipment Based on Internet of Things</p> <p>Xue-li LUO, CNPC Engineering Technology R&amp</p>
11:00-11:15	<p>IFEDC202313277</p> <p>Development and Application of Perforating and Completion Scheme Design System</p> <p>Wei-bin LI, Oilfield Exploitation Professional Software Development and Application Project Manager Department of Daqing Oilfield Co Ltd.</p>

11:15-11:30	IFEDC202313376 Research on Automatic Classification of Premium Threaded Connections Make-Up Torque Curve Based on Cnns with Data Augmentation Zi-han MA, Engineering Technology Research Institute of Petrochina Southwest Oil and Gas field Company
11:30-11:45	IFEDC202314012 Research on the Method of Inverting Indicator Diagram with Electrical Parameters of Pumping Unit Based on Neural Network Qiao-ling DONG, Research Institute of Petroleum Exploration the Development,
11:45-12:00	IFEDC202315237 Development and Application of Integrated Decision-Making Support Plat for Drilling Well Site Duo-wen ZHANG, Shengli Geologging Company
12:00-14:00	Buffet Lunch and Break
21 September, 2023	
Host: Hong-en DOU, China Petroleum Exploration and Development Research Institute, Senior Engineer Chao-dong TAN, China University of Petroleum (Beijing), Professor	
Intelligent Detection, Diagnosis, and Decision-Making	
14:00-14:20	IFEDC202315214 Application of Remote Sensing Intelligent Monitoring Technology for Oil and Gas Well Withdrawal and Ecological Restoration Hong-ying ZHOU, Research Institute of Petroleum Exploration and Development
14:20-14:40	IFEDC202315019 Research on Precise Underground Flow Measurement Technology Based on Ultrasonic Principle Kai ZUO, Engineering Technology branch of CNOOC Energy Development Co. , Ltd.
14:40-15:00	IFEDC202313313 Research and Practice of Digital Three-Phase Flowmeter for Complex Oil And Gas Occasion Bing CHEN, Kunlun Digital Technology Co.Ltd

15:00-15:15	<p>IFEDC202315269</p> <p>An Intelligent Kick Detection Method Using a Cascaded Gru Network With Adaptive Monitoring Parameters</p> <p>De-zhi Zhang, China University of Petroleum (East China)</p>
15:15-15:30	<p>IFEDC202315254</p> <p>Rates Optimization Of Co2 Huff and Puff in Multi-Stage Fracturing Horizontal Wells Based On Proximal Policy Optimization Algorithm</p> <p>Rong-tao Li, Exploration and Development Research Institute</p>
15:30-15:45	<p>IFEDC202314509</p> <p>Intelligent Diagnosis System for Oil Well Underground Conditions Based on Convolutional Neural Network</p> <p>Jia-he Huang, Jiangsu University of Technology</p>
15:45-16:00	<p>IFEDC202314992</p> <p>Application of Fracture Detection Technology based Artificial Intelligence in Hechuan Area</p> <p>Zhe WANG, Daqing Oilfield Exploration and Development Research Institute</p>
16:00-16:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
<p>Intelligent Reservoir Simulation and Optimization</p>	
16:30-16:45	<p>IFEDC202314163</p> <p>Research on Injection and Production Optimization Method of Water Flooding Reservoir Based on Machine Learning</p> <p>Ya-hui BO, Research Institute of Exploration and Development, Shengli Oilfield of Sinopec</p>
16:45-17:00	<p>IFEDC202313326</p> <p>A Comparative Study on Three Deep Learning Networks for Geological Parameterization</p> <p>Xiao-bo Li, Research Institute of Petroleum Exploration and Development</p>
17:00-17:15	<p>IFEDC202315793</p> <p>Predictive Maintenance Strategies for Oil and Gas Facilities using AI-based Vibration Monitoring</p> <p>Muhammad Bin Irfan, NED University of Engineering and Technology</p>

17:15-17:30	<p>IFEDC202313433</p> <p>Research on Water Flooded Zone Identification Based on Multi-parameter Deep Convolutional Neural Network</p> <p>Yuan-qing WANG, Changqing Oilfield Exploration and Development Research Institute</p>
17:30-17:45	<p>IFEDC202314849</p> <p>Deep Neural Network-Based Method for Phase Stability Testing of Vapor-Liquid-Liquid System in Low-Temperature Compositional Simulation of CO₂ Injection</p> <p>Bin-Jing Hong ,Research Insitute of Petroleum Exploration Network Development,</p>
17:45-18:00	<p>IFEDC202315015</p> <p>A Method for Automatic Identification of Natural POLIE Based on Machine Learning : A Case Study on the Dahebian Block of the Liupanshui Basin in Guizhou Province</p> <p>Wei-guang ZHAO,China University of Mining and Technology</p>
18:30-20:30	<p>Buffet Dinner</p>
<p>22 Septmber,2023</p>	
<p>Host:</p> <p>Kai ZUO, Engineering Technology Branch, CNOOC Energy Development Co., Ltd., Vice Dean</p> <p>Xiao-hua LIU, China Petroleum Exploration and Development Research Institute, Senior Engineer</p>	
<p>Intelligent Exploration and Reservoir Prediction</p>	
8:00-8:15	<p>IFEDC202314225</p> <p>Carbonate Fracture-Cavity Reservoirs Prediction Technology Based Deep Learning Model</p> <p>Ning LI, Research Institute of Petroleum Exploration cavity Development</p>
8:15-8:30	<p>IFEDC202315743</p> <p>A Neural Network Approach to Predict the Permeability from NMR T₂ Relaxation Time Distribution in Heavy Oil Reservoirs</p> <p>Cesar Aguilar, PDVSA, Petrophysicist</p>
8:30-8:45	<p>IFEDC202314381</p> <p>Research on the Implementation Method of Seismic Data Interpretation Based on Improved HR-Net Model</p> <p>He-ping MIAO, Shandong Yingcai University</p>

8:45-9:00	<p>IFEDC202314151</p> <p>Well Clustering and Reservoir Segmentation Based on Machine Learning Extracted Features from Multiple Well Logs</p> <p>Yu-peng LI, Beijing Research Center of EXPEC ARC, Aramco Asia</p>
9:00-9:15	<p>IFEDC202315736</p> <p>Non-seismic Exploration Methods at Early Stages of Geological Exploration: Estimation of Machine Learning Algorithms Application</p> <p>Victor Victorovich Ananov, Gazpromneft LLC, Head specialist</p>
9:15-9:30	<p>IFEDC202315639</p> <p>Application of Artificial Intelligence Inversion Technology in Reservoir Prediction</p> <p>Ya-ti WANG, Company of Geophysical Exploration Research Institute of Sinopec Shengli Oilfield</p>
9:30-9:45	<p>IFEDC202313985</p> <p>Research on High-Precision Inversion of Electromagnetic Detection Data for Macroscopic Fractures in Crosswell</p> <p>Yin LI, Research Institute of Petroleum Exploration High Development,</p>
9:45-10:00	<p>IFEDC202315800</p> <p>Permeability Field Prediction in the Inter-Well Space Based on Seismic 3D-CNN</p> <p>Kuat Ramazanov, Skolkovo Institute of Science and Technology, Junior Research Engineer</p>
10:00-10:30	<p>Tea/Coffee Break and E-poster Session for Knowledge Sharing</p>
<p>Comprehensive Discussion</p>	
10:30-10:45	<p>IFEDC202314357</p> <p>Soft Actor-Critic based Deep Reinforcement Learning Method for Production Optimization</p> <p>Guo-jing Xin, Research Institute of Petroleum Exploration Critic Development</p>
10:45-11:00	<p>IFEDC202315804</p> <p>History Matching and Uncertainty Estimation of the Permeability Maps Using Multi-Objective Optimization and MCMC to Incorporate the Reservoir's Measurement Data and Geological Realism</p> <p>Sergei Shumilin, Skolkovo Institute of Science and Technology, Senior Research Engineer</p>
11:00-11:10	<p>IFEDC202315627</p> <p>Application of Artificial Intelligence Fault Prediction Technology in Offshore Exploration</p> <p>Zhi-zhao BAI, CNOOC Research Institute Ltd</p>

11:10-11:20	IFEDC202313481 A Mixed Domain Simultaneous Source Data Deblending Method Based on Deep Learning Sheng-qiang MU, Institute of Geology and Geophysics, Chinese Academy of Sciences
11:20-11:30	IFEDC202315764 Knowledge-Based Machine Learning Approaches to Predict Oil Production Rate in the Oil Reservoir Ayman Mutahar AlRassas and Wahib Ali Abdo Yahya, China University of Petroleum (East China)
11:30-11:40	IFEDC202315120 Research and Application of Intelligent Reservoir Profile Control Optimization Decision System Hui-zhao NIU, Beijing Yadan Petroleum Technology Development Co.,Ltd.
11:40-11:50	IFEDC202315796 Harnessing the Power of Digital Transformation is the key to unlocking the full potential of the upstream industry. Kader A Taho, UECI, CEO
11:50-12:00	IFEDC202314789 Study of Spatial Feature Extraction Methods for Surrogate Models of Numerical Reservoir Simulation Jin-ding ZHANG, Research Institute of Petroleum Exploration Spatial Development
12:00-14:00	Buffet Lunch and Break

Advanced Workshop Guanhu Hall, 5th Floor

Co-organized by: China Petroleum Exploration and Development Research Institute

Supported by: The Oil and Gas Reserves Committee of the International Society of Petroleum Engineers, Petroleum Engineering Professional Committee of the Chinese Petroleum Society

Date: 23 September, 2023

Workshop: Based on the Petroleum Resource Management System (SPE PRMS) and its Application Guide (AG), the system introduces the development history of PRMS/AG, terminology concept system, classification and grading principles, evaluation techniques and disclosure rules, as well as value chain based decision-making methods. It also demonstrates the comprehensive application of PRMS in the full life cycle oil and gas (and other) resource asset management through classic cases.

23 September
(08:00-12:00)

Speaker: Hua YANG, Member of the United Nations Expert Group on Resource Management (EGRM), member of the SPE Oil and Gas Reserves Committee (2013-2017), registered reserves auditor of PetroChina, engaged in oil and gas field exploration and development, and resource reserve management for over 30 years. I have presided over over more than 20 overseas major production capacity construction projects and development plans for CNPC Venezuela, Kazakhstan, Sudan, etc., and have rich experience in oil and gas field exploration and development, resource reserve management and evaluation, and new project evaluation. Served as the project leader for the "Construction of National Mineral Resource Reserves Technical Standard System" project for a long time, compiling over 10 international standards, 1 national standard, and several enterprise standards; Received over 20 awards

	for scientific and technological innovation achievements, and won the "Special Contribution Award" four times.
12:00-14:00	Lunch
23 September (14:00-18:00)	Speaker: Chaeles R. Vanorsdale , Senior Advisor, Upstream Development Strategy and Reserves Department, former Saudi Aramco Company, and Member of SPE Oil and Gas Reserves Committee (2017-2021). During his 15 years at Saudi Aramco, he was responsible for disclosing reserve reports in accordance with PRMS standards and played a key role in the 2019 Saudi Aramco IPO. Charles has been working in the oil and gas industry for over 40 years and has served on multiple technical committees of SPE, with rich experience in consulting and evaluating oil and gas resource reserves.

Safety and Emergency Instructions

1. During hotel accommodation, please be sure to know the fire escape routes of the hotel and venue.

2. Due to the large number of attendees, attention should be paid to safety and orderly entry and exit should be carried out to avoid accidents such as crowding, pushing, and trampling.

3. If an emergency occurs at the venue, do not panic and follow the dispatch and command of on-site conference personnel to ensure safe and orderly evacuation.

4. If you feel unwell during the meeting and need to go to the hospital for medical treatment, please contact the conference team.

5. In case of fire or other emergency situations, please do not panic and follow the unified command of the staff or evacuate according to the safety passage marking route.

Exhibitors Hist

北京路源光科技有限公司

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科吉思石油技术咨询(北京)有限公司

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