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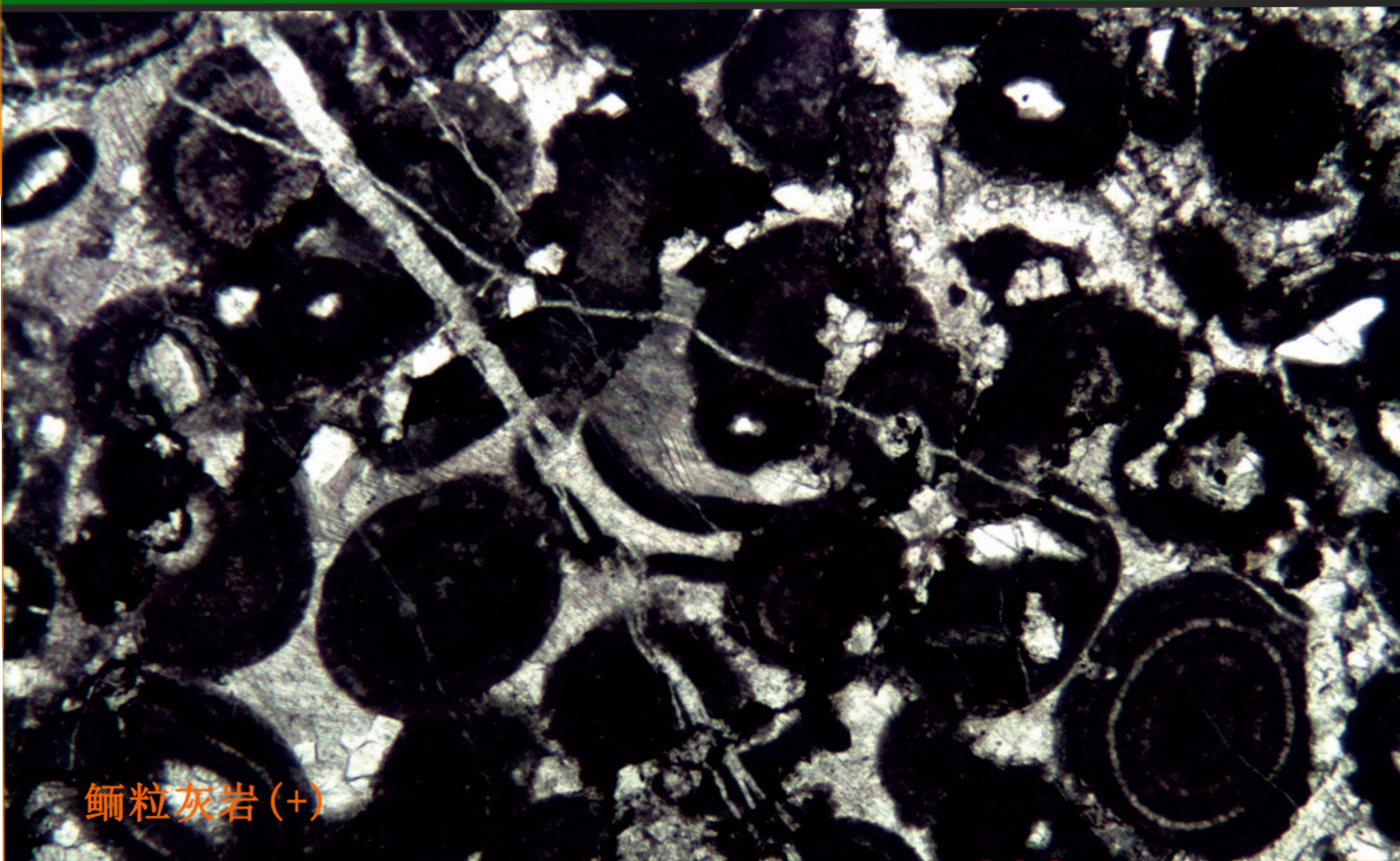
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“羌塘盆地油气勘探研究新进展” 专辑

目 次

羌塘盆地石油地质条件和油气资源潜力——“羌塘盆地油气勘探研究新进展” 专辑特邀主编寄语……
吴珍汉 (497)

I 羌塘盆地岩浆活动

南羌塘索日卡地区三叠纪玄武岩锆石 U-Pb 年龄、地球化学特征及其地质构造意义……
陈 云, 陈 冲, 季长军, 朱 江, 刘锦明, 周连凤, 王雅萍 (506)

羌塘盆地岩浆岩分布特征——来自高精度航空重磁的认识……
魏岩岩, 曹宝宝, 周道卿, 郑宇舟, 胡夏炜, 段宏伟, 胡 悦, 肖梦楚, 赵 睿 (519)

II 羌塘盆地沉积特征

北羌塘坳陷长蛇山地区夏里组细粒沉积岩形成环境及其对有机质富集的控制作用……
陈 程, 吴珍汉, 王 利, 季长军, 赵 珍 (533)

西藏羌塘盆地双湖地区毕洛错黑色页岩稀土元素特征及地质意义……
孙玉琪, 伊 帆, 伊海生, 夏国清, 李高杰, 徐鸿彬 (544)

北羌塘胜利河地区 Qs1 井层序地层及沉积微相分析……
王 茜, 赵 珍, 张莉莉, 季长军 (561)

III 羌塘盆地烃源岩条件

伦北盆地古近系牛堡组页岩地球化学特征及地质意义……
陈 冲, 申怀明, 陈 云, 季长军 (577)

羌塘盆地东部上二叠统海陆交互相烃源岩特征及勘探前景……
孙 伟, 任柳洁, 占王忠, 谢尚克, 杨 平, 胡作维, 曾胜强, 侯 乾, 宋春彦 (587)

北羌塘盆地不同地区中一下侏罗统油页岩地球化学特征对比及意义……
杨易卓, 黄志龙, 冯伟平, 屈 童, 赵 珍, 张莉莉, 潘永帅 (602)

羌塘盆地普若岗日地区索瓦组烃源岩特征……
于 璐, 胡春桥, 张洪美, 黄 峰, 李 娜, 秦子建, 李鑫龙 (615)

IV 羌塘盆地油气分布

侏罗纪全球古海洋演变历程及其对西藏羌塘盆地油气勘探的启示……
伊海生 (623)

羌塘盆地中侏罗统布曲组岩相古地理特征及其油气地质意义……
侯 乾, 占王忠, 牟传龙, 万友利, 曾胜强, 孙 伟, 谢尚克, 曾俊杰 (637)

羌塘盆地中一下侏罗统雀莫错组沉积特征及油气地质意义……
占王忠, 范志伟, 谭富文 (649)

V 羌塘盆地油气显示

北羌塘坳陷清水湖地区侏罗系油藏特征与形成时代……
吴珍汉, 王 涛, 季长军, 刘志伟, 冯伟平, 邢占涛, 陈 云 (663)

北羌塘坳陷夏里组油砂地球化学特征及油源探讨……
黎东玉, 唐友军, 孙 鹏, 季长军, 梅亚豪, 汤思维, 韩梦月, 陈 云 (671)

羌塘盆地中侏罗统布曲组包裹体特征及油气成藏期次研究……
张莉莉, 赵 珍, 杨易卓, 王 茜 (683)

《地球学报》第六届编辑委员会及编辑部成员名单…… (694)

封面故事…… (封四)

A Special Issue of the “New Progress in Petroleum Exploration Research in the Qiangtang Basin”

Contents

Petroleum Geological Conditions and Potential of the Qiangtang Basin: Guest Editor’s Preface to the “New Progress in Petroleum Exploration Research in the Qiangtang Basin” *WU Zhenhan* (497)

I Magmatic activity in the Qiangtang Basin

Zircon U-Pb Ages, Geochemistry, and Tectonic Significances of the Triassic Suorika Basalts in the Southern Qiangtang Terrane
..... *CHEN Yun, CHEN Chong, JI Changjun, ZHU Jiang, LIU Jinming, ZHOU Lianfeng, WNAG Yaping* (506)

Magmatic Rock Distribution in the Qiangtang Basin: Understanding from High-precision Airborne Gravity and Magnetic Survey *WEI Yanyan, CAO Baobao, ZHOU Daoqing, ZHENG Yuzhou, HU Xiawei, DUAN Hongwei, HU Yue, XIAO Mengchu, ZHAO Rui* (519)

II Sedimentary characteristics of the Qiangtang Basin

The Formation Environment of Fine-grained Sedimentary Rocks and Its Controlling Effect on Organic Matter Enrichment in the Xiali Formation in Changsheshan Area, Northern Qiangtang Depression
..... *CHEN Cheng, WU Zhenhan, WANG Li, JI Changjun, ZHAO Zhen* (533)

REE Characteristics and Geological Implications of the Bilong Co Black Shale in the Shuanghu Area, Qiangtang Basin, Southern Tibet *SUN Yuqi, YI Fan, YI Haisheng, XIA Guoqing, LI Gaojie, XU Hongbin* (544)

Sequence Stratigraphy and Sedimentary Microfacies Analysis of Well Qs1 in Shenglihe Area, North Qiangtang Depression *WANG Qian, ZHAO Zhen, ZHANG Lili, JI Changjun* (561)

III Source rock conditions in the Qiangtang Basin

Geochemical Characteristics and Significance of Paleogene Niubao Formation Shales in the Lunbei Basin
..... *CHEN Chong, SHEN Huaiming, CHEN Yun, JI Changjun* (577)

Characteristics and Exploration Prospects of the Upper Permian Marine Land Interacting Source Rocks in the Eastern Qiangtang Basin *SUN Wei, REN Liujie, ZHAN Wangzhong, XIE Shangke, YANG Ping, HU Zuowei, ZENG Shengqiang, HOU Qian, SONG Chunyan* (587)

Comparison and Significance of Geochemical Characteristics of Middle–Lower Jurassic Oil Shales in Different Regions of the North Qiangtang Basin
..... *YANG Yizhuo, HUANG Zhilong, FENG Weiping, QU Tong, ZHAO Zhen, ZHANG Lili, PAN Yongshuai* (602)

Source Rock Characteristics of Suowa Formation in Puruogangri Area, Qiangtang Basin
..... *YU Jun, HU Chunqiao, ZHANG Hongmei, HUANG Feng, LI Na, QIN Zijian, LI Xinlong* (615)

IV Distribution of oil and gas in the Qiangtang Basin

Historical Evolution of Jurassic Paleo-ocean as a Reference for Petroleum Exploration of the Qiangtang Basin in Tibetan Plateau *YI Haisheng* (623)

Lithofacies Paleogeographic Characteristics of Middle Jurassic Buqu Formation in the Qiangtang Basin of Xizang and Its Oil-gas Geological Significance *HOU Qian, ZHAN Wangzhong, MOU Chuanlong, WAN Youli, ZENG Shengqiang, SUN Wei, XIE Shangke, ZENG Junjie* (637)

Sedimentary Characteristics and Oil-gas Geological Significance of Lower to Middle Jurassic Quemocuo Formation in Qiangtang Basin *ZHAN Wangzhong, FAN Zhiwei, TAN Fuwen* (649)

V Oil and gas display in the Qiangtang Basin

Characteristics and Formation Time of Oil Reservoirs in Jurassic System of the Qingshuihu Area, Northern Qiangtang Depression
..... *WU Zhenhan, WANG Tao, JI Changjun, LIU Zhiwei, FENG Weiping, XING Zhantao, CHEN Yun* (663)

Geochemical Characteristics and Oil Source Discussion of Xiali Formation Oil Sand Extracts in the Northern Qiangtang Depression
..... *LI Dongyu, TANG Youjun, SUN Peng, JI Changjun, MEI Yahao, TANG Siwei, HAN Mengyue, CHEN Yun* (671)

Fluid Inclusion Characteristics and the Hydrocarbon Accumulation Stages of the Middle Jurassic Buqu Formation in the Qiangtang Basin *ZHANG Lili, ZHAO Zhen, YANG Yizhuo, WANG Qian* (683)

The Sixth Editorial Board and Editorial Office of *Acta Geoscientica Sinica* (694)

Cover Story (Back Cover)

Guest editors of this issue: WU Zhenhan, JI Changjun

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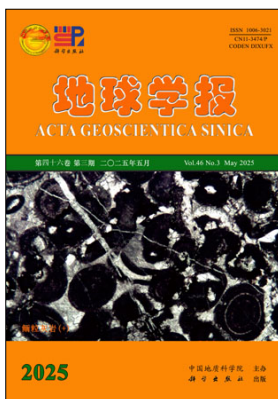
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封面故事: 北羌塘坳陷胜利河地区 Qs1 井中侏罗统布曲组(J₂b)鲕粒灰岩。Qs1 井是 2022 年在羌塘北部胜利河上游部署的一口深 500 m 的地质调查井,岩心中发现液态原油。该井对推动羌塘盆地油气勘探具有重要意义。该灰色鲕粒灰岩在地层上处于中侏罗统布曲组底部,是烃源岩发育重点层位;层序上处于三级层序 SQb1 的基准面上升半旋回(TSTb1)底部;沉积相上处于混积滨岸相的前滨亚相的鲕粒滩微相。从镜下薄片可以看到鲕粒含量高达 80%,大小约 0.4 mm,同时发育裂隙,鲕粒间及裂隙被粉晶和亮晶方解石充填。详见本期 561-576 页。(图片提供:王茜)



Cover Story: Middle Jurassic Buqu Formation (J₂b) oolitic limestone from Well Qs1 in Shenglihe area, North Qiangtang Depression. Well Qs1 is a geological survey well with a depth of 500 m located in the upper reaches of Shenglihe in North Qiangtang Depression in 2022. Liquid crude oil was discovered in the core of this well, and it is of great significance for promoting oil and gas exploration in the Qiangtang Basin. This gray oolitic limestone is stratigraphically located at the bottom of the Middle Jurassic Buqu Formation, which is a key horizon for the development of source rocks; in terms of sequence, it is located at the bottom of the rising half cycle (TSTb1) of the third-order sequence SQb1; in terms of sedimentary facies, it is in the oolitic shoal microfacies of the foreshore subfacies of the mixed sedimentary shoreface facies. From thin section observation under the microscopic, it can be seen that the oolite content is as high as 80%, with a size of approximately 0.4 mm. Simultaneously, fractures developed, and the spaces between the oolites and the fractures were filled with microcrystalline and spar calcite. For details see pp. 561-576 of this issue. (Photo by WANG Qian).

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