**《石油物探》题录（2016年—2021年）**

# 2021年第5期（2021年9月）

王华忠,盛燊.走向精确地震勘探的道路［J］.石油物探,2021,60(5):693-708

WANG Huazhong,SHENG Shen.Pathway toward accurate seismic exploration［J］.Geophysical Prospecting for Petroleum,2021,60(5):693-708

殷厚成,朱相羽,倪良健.炮道密度与观测系统的变化及对地震成像影响的探讨［J］.石油物探,2021,60(5):709-720

YIN Houcheng,ZHU Xiangyu,NI Liangjian.Discussion on the variation of trace density and survey geometry,and its influence on seismic imaging［J］.Geophysical Prospecting for Petroleum,2021,60(5):709-720

江雨濛,曹思远,陈思远,等.基于二阶自适应同步挤压S变换的时变子波提取方法［J］.石油物探,2021,60(5):721-731

JIANG Yumeng,CAO Siyuan,CHEN Siyuan,et al.Time-varying wavelet estimation method based on second-order adaptive synchro-squeezing S transform［J］.Geophysical Prospecting for Petroleum,2021,60(5):721-731

包红林,李敏,张萌.基于超大内存节点的波动方程逆时偏移高效实现［J］.石油物探,2021,60(5):732-737

BAO Honglin,LI Min,ZHANG Meng.Efficient implementation of wave-equation reverse time migration based on large memory nodes［J］.Geophysical Prospecting for Petroleum,2021,60(5):732-737

冷佳宣,喻志超,冯方方,等.井中微地震监测记录强背景干扰信号压制方法［J］.石油物探,2021,60(5):738-750

LENG Jiaxuan,YU Zhichao,FENG Fangfang,et al.Suppressing strong background interferences in downhole microseismic monitoring data［J］.Geophysical Prospecting for Petroleum,2021,60(5):738-750

杨翠倩,周亚同,何昊,等.基于全局上下文和注意力机制深度卷积神经网络的地震数据去噪［J］.石油物探,2021,60(5):751-762

YANG Cuiqian,ZHOU Yatong,HE Hao,et al.Global context and attention-based deep convolutional neural network for seismic data denoising［J］.Geophysical Prospecting for Petroleum,2021,60(5):751-762

王瑞林,冯波,吴成梁,等.基于CMP道集智能化的初始速度建模方法研究［J］.石油物探,2021,60(5):763-772

WANG Ruilin,FENG Bo,WU Chengliang,et al.Intelligent initial velocity model building based on CMP gathers［J］.Geophysical Prospecting for Petroleum,2021,60(5):763-772

凌云,林鸿梅,张红杰,等.层序地层学与局域三维地震解释［J］.石油物探,2021,60(5):773-783

LING Yun,LIN Hongmei,ZHANG Hongjie,et al.Sequence stratigraphy and local three-dimensional seismic interpretation［J］.Geophysical Prospecting for Petroleum,2021,60(5):773-783

谢玉洪.基于地震构形的相控储层预测方法［J］.石油物探,2021,60(5):784-793

XIE Yuhong.Facies-controlled reservoir prediction based on the seismic configuration［J］.Geophysical Prospecting for Petroleum,2021,60(5):784-793

杨芮,金吉能,潘仁芳,等.局限台地沉积相类型及井震响应特征分析——以四川盆地磨溪地区龙王庙组为例［J］.石油物探,2021,60(5):794-804

YANG Rui,JIN Jineng,PAN Renfang,et al.Sedimentary facies types and well-seismic response characteristics of a restricted platform:A case study of the Longwangmiao formation in the Moxi Block,Sichuan Basin,China［J］.Geophysical Prospecting for Petroleum,2021,60(5):794-804

郑笑雪,唐金良.基于多属性的断溶体特征提取与分带性自动识别［J］.石油物探,2021,60(5):805-815

ZHENG Xiaoxue,TANG Jinliang.Feature extraction and automatic zonation of broken solutions based on multiple attributes［J］.Geophysical Prospecting for Petroleum,2021,60(5):805-815

魏欣伟,薛姣,罗霞.基于OVT域地震数据的叠前AVOA裂缝密度反演［J］.石油物探,2021,60(5):816-825

WEI Xinwei,XUE Jiao,LUO Xia.Fracture density estimation using an amplitude-versus-offset-and-azimuth inversion based on prestack seismic data in the offset vector tile domain［J］.Geophysical Prospecting for Petroleum,2021,60(5):816-825

王旭林,王鹏,李勇根,等.裂缝体积密度与页岩气产能关系探究［J］.石油物探,2021,60(5):826-833

WANG Xulin,WANG Peng,LI Yonggen,et al.Research on the relationship between fracture volume density and shale gas productivity［J］.Geophysical Prospecting for Petroleum,2021,60(5):826-833

瞿长青,王东奎,王忠军,等.减小OVT片尺度的技术及应用［J］.石油物探,2021,60(5):834-843

QU Changqing,WANG Dongkui,WANG Zhongjun,et al.Technology and application of reducing OVT bin［J］.Geophysical Prospecting for Petroleum,2021,60(5):834-843

翟刚毅,魏斌,向葵,等.威远地区龙马溪组富有机质页岩复电阻率特征研究［J］.石油物探,2021,60(5):844-855

ZHAI Gangyi,WEI Bin,XIANG Kui,et al.Study on the complex resistivity characteristics of organic-rich shale in the Longmaxi Formation in the Weiyuan area,China［J］.Geophysical Prospecting for Petroleum,2021,60(5):844-855

李浩,刘双莲,葛祥,等.元坝工区须家河组储层测井评价研究［J］.石油物探,2021,60(5):856-866

LI Hao,LIU Shuanglian,GE Xiang,et al.Logging evaluation of the Xujiahe formation in the Yuanba area［J］.Geophysical Prospecting for Petroleum,2021,60(5):856-866

# 2021年第4期（2021年7月）

张杰,陈学华,蒋伟.深度域地震子波提取方法综述［J］.石油物探,2021,60(3): 353-365

ZHANG Jie,CHEN Xuehua,JIANG Wei.Review on depth-domain seismic wavelet estimation［J］.Geophysical Prospecting for Petroleum,2021,60(3):353-365

张兵.基于卷积神经网络和叠加速度谱的地震层速度自动建模方法［J］.石油物探,2021,60(3):366-375

ZHANG Bing.Automatic seismic interval velocity building based on convolutional neural network and velocity spectrum［J］.Geophysical Prospecting for Petroleum,2021,60(3):366-375

张浩,冯兴强,付昌,等.基于卷积神经网络的倾角域弹性波逆时偏移噪声压制方法［J］.石油物探,2021,60(3):376-384

ZHANG Hao,FENG Xingqiang,FU Chang,et al.Noise suppression during elastic reverse time migration in the dip-angle domain using a convolutional neural network［J］.Geophysical Prospecting for Petroleum,2021,60(3):376-384

孙宇航,刘洋,陈天胜.基于无监督深度学习的多波AVO反演及储层流体识别［J］.石油物探,2021,60(3):385-394

SUN Yuhang,LIU Yang,CHEN Tiansheng.Multi-wave amplitude-versus-offset inversion and reservoir fluid identification based on unsupervised deep learning［J］.Geophysical Prospecting for Petroleum,2021,60(3):385-394

钟华明,梁玉楠,何胜林,等.基于KNN-Fisher算法的测井解释知识库构建方法［J］.石油物探,2021,60(3):395-402

ZHONG Huaming,LIANG Yunan,HE Shenglin,et al.Construction of a knowledge base for log interpretation using KNN-Fisher［J］.Geophysical Prospecting for Petroleum,2021,60(3):395-402

王宗俊,董洪超,范廷恩,等.基于无监督学习的测井岩相分析技术及其应用［J］.石油物探,2021,60(3):403-413

WANG Zongjun,DONG Hongchao,FAN Tingen,et al.Logging lithofacies analysis based on unsupervised learning［J］.Geophysical Prospecting for Petroleum,2021,60(3):403-413

赵衍彬,黄旭日,陈永红,等.方向可控金字塔的地质体边界识别方法及在砂砾岩油藏中的应用［J］.石油物探,2021,60(3):414-420

ZHAO Yanbin,HUANG Xuri,CHEN Yonghong,et al.Application of the directionally steerable pyramid method to identify geological boundaries in a conglomerate sand reservoir［J］.Geophysical Prospecting for Petroleum,2021,60(3):414-420

熊松龄,曾庆宁,龙超,等.NMF的有监督算法在瞬变电磁信号降噪中的应用［J］.石油物探,2021,60(3):421-429

XIONG Songling,ZENG Qingning,LONG Chao,et al.Application of supervised algorithm of NMF in noise reduction of transient electromagnetic signal［J］.Geophysical Prospecting for Petroleum,2021,60(3):421-429

李晓峰,潘龙,杨晓海,等.准噶尔腹部沙漠区地震资料宽频处理关键技术及应用效果［J］.石油物探,2021,60(3):430-437

LI Xiaofeng,PAN Long,YANG Xiaohai,et al.Key technique for broadband processing of seismic data in a desert area in the middle of the Junggar Basin,China［J］.Geophysical Prospecting for Petroleum,2021,60(3):430-437

史飞洲,穆洁,高厚强,等.全方位偏移成像技术在塔河碳酸盐岩储层中的应用［J］.石油物探,2021,60(3):438-449

SHI Feizhou,MU Jie,GAO Houqiang,et al.Application of full-azimuth migration imaging to carbonate reservoirs in the Tahe Oilfield［J］.Geophysical Prospecting for Petroleum,2021,60(3):438-449

杜昕,张晶玉,范廷恩,等.开发阶段海上复杂断块油田断层解释技术组合及应用［J］.石油物探,2021,60(3):450-460

DU Xin,ZHANG Jingyu,FAN Tingen,et al.Fault interpretation techniques for complicated fault-block offshore oilfields in development phase［J］.Geophysical Prospecting for Petroleum,2021,60(3):450-460

马佳国,周卿,王波,等.“富砂型”河流相沉积储层砂体精细刻画［J］.石油物探,2021,60(3):461-470

MA Jiaguo,ZHOU Qing,WANG Bo,et al.Fine description of a sandbody in a sand-rich fluvial sedimentary reservoir［J］.Geophysical Prospecting for Petroleum,2021,60(3):461-470

韩刚,高红艳,龙凡,等.叠前反演在西湖凹陷致密砂岩储层“甜点”预测中的应用［J］.石油物探,2021,60(3):471-478

HAN Gang,GAO Hongyan,LONG Fan,et al.Prestack elastic inversion for sweet-spot prediction in tight reservoirs in Xihu Sag［J］.Geophysical Prospecting for Petroleum,2021,60(3):471-478

唐建明,徐天吉,程冰洁,等.四川盆地深层页岩气“甜点”预测与钻井工程辅助设计技术［J］.石油物探,2021,60(3):479-487

TANG Jianming,XU Tianji,CHENG Bingjie,et al.Sweet-spot prediction and aided design for drilling engineering:Application to deep shale gas reservoirs in the Sichuan Basin［J］.Geophysical Prospecting for Petroleum,2021,60(3):479-487

杨江峰,吕秋玲,丁建强,等.分频叠前深度偏移技术在小尺度缝洞体成像中的应用［J］.石油物探,2021,60(3):488-495

YANG Jiangfeng,LV Qiuling,DING Jianqiang,et al.Application of frequency-division prestack depth migration for the imaging of small-scale fracture-cavity reservoirs［J］.Geophysical Prospecting for Petroleum,2021,60(3):488-495

徐敏,梁虹,王兰英,等.四川盆地飞仙关组多期鲕滩储层分布特征及迁移模式［J］.石油物探,2021,60(3):496-504

XU Min,LIANG Hong,WANG Lanying,et al.Spatial distribution and migration model of the Feixianguan oolitic beach reservoir in Sichuan Basin,China［J］.Geophysical Prospecting for Petroleum,2021,60(3):496-504

徐方慧,王祝文,武焕平.基于有限差分方法的溶洞地层井孔声波数值模拟［J］.石油物探,2021,60(3):505-515

XU Fanghui,WANG Zhuwen,WU Huanping.Finite-difference modeling of borehole acoustic logging in formations with caves［J］.Geophysical Prospecting for Petroleum,2021,60(3):505-515

沈建国,徐维骏,沈永进.井中激发接收的瞬变电磁深层精细勘探方法——涡流差［J］.石油物探,2021,60(3):516-526

SHEN Jianguo,XU Weijun,SHEN Yongjin.In-hole excitation and receiving transient electromagnetic method for deep fine exploration:eddy current difference［J］.Geophysical Prospecting for Petroleum,2021,60(3):516-526

# 2021年第2期（2021年3月）

赵改善.石油物探数字化转型之路:走向实时数据采集与自动化处理智能化解释时代［J］.石油物探,2021,60(2):175-189

ZHAO Gaishan.Digital transformation of petroleum geophysical exploration:Towards the era of real-time data acquisition,automatic processing,and intelligent interpretation［J］.Geophysical Prospecting for Petroleum,2021,60(2):175-189

李向阳,张少华.勘探地震中横波分裂研究四十年回顾［J］.石油物探,2021,60(2):190-209

LI Xiangyang,ZHANG Shaohua.Forty years of shear-wave splitting in seismic exploration:An overview［J］.Geophysical Prospecting for Petroleum,2021,60(2):190-209

何兵寿,高琨鹏,徐国浩.各向异性介质中弹性波逆时偏移技术的研究现状与展望［J］.石油物探,2021,60(2):210-223

HE Bingshou,GAO Kunpeng,XU Guohao.Elastic wave reverse time migration in anisotropic media:State of the art and perspectives［J］.Geophysical Prospecting for Petroleum,2021,60(2):210-223

李佳欣,杨春,王赟.薄互层等效各向异性的研究现状与存在问题［J］.石油物探,2021,60(2):224-237

LI Jiaxin,YANG Chun,WANG Yun.A state of the art on the equivalent anisotropy of thin interbeds［J］.Geophysical Prospecting for Petroleum,2021,60(2):224-237

张壹,王赟,王祥春,等.黏弹性介质地震波吸收衰减研究进展［J］.石油物探,2021,60(2):238-250

ZHANG Yi,WANG Yun,WANG Xiangchun,et al.Research progress on the absorption attenuation of seismic waves in viscoelastic media［J］.Geophysical Prospecting for Petroleum,2021,60(2):238-250

牟棋,马学军,蔡志东,等.托甫台地区TP327井区一间房组Q各向异性分析［J］.石油物探,2021,60(2):251-260

MOU Qi,MA Xuejun,CAI Zhidong,et al.Q-anisotropy analysis of the Yijianfang Formation in the TP327 well area of Tuofutai,China［J］.Geophysical Prospecting for Petroleum,2021,60(2):251-260

杨建礼,高利君,李俊,等.基于横波分裂思想的横波速度方位各向异性反演［J］.石油物探,2021,60(2):261-271

YANG Jianli,GAO Lijun,LI Jun,et al.Inversion of shear-wave velocity azimuthal anisotropy based on shear-wave splitting［J］.Geophysical Prospecting for Petroleum,2021,60(2):261-271

吴学兵.一种新型节点采集系统试验吴学兵.一种新型节点采集系统试验［J］.石油物探,2021,60(2):272-282

WU Xuebing.A field trial of a novel nodal acquisition system［J］.Geophysical Prospecting for Petroleum,2021,60(2):272-282

沈华,宋炜,唐传章,等.近地表结构特征属性平衡迭代规约和层次聚类分析［J］.石油物探,2021,60(2):283-294

SHEN Hua,SONG Wei,TANG Chuanzhang,et al.BIRCH clustering of near-surface structural characteristics［J］.Geophysical Prospecting for Petroleum,2021,60(2):283-294

李东庆,袁刚,杨金龙,等.逆散射级数和抛物线Radon变换联合的层间多次波压制策略［J］.石油物探,2021,60(2):295-303

LI Dongqing,YUAN Gang,YANG Jinlong,et al.Suppression of internal multiples by combining inverse scattering series and the Radon transform［J］.Geophysical Prospecting for Petroleum,2021,60(2):295-303

赵磊,冯波,王华忠.波动方程初至双差走时层析反演［J］.石油物探,2021,60(2):304-311

ZHAO Lei,FENG Bo,WANG Huazhong.Wave-equation double difference first arrival tomography［J］.Geophysical Prospecting for Petroleum,2021,60(2):304-311

刘立民,刘定进,李博.起伏地表谱元逆时偏移方法［J］.石油物探,2021,60(2):312-322

LIU Limin,LIU Dingjin,LI Bo.Reverse time migration for irregular topography based on spectral element method［J］.Geophysical Prospecting for Petroleum,2021,60(2): 312-322

钟庆良,赵建国,肖增佳,等.潜江凹陷潜江组盐间页岩油储层地震岩石物理特征分析［J］.石油物探,2021,60(2): 323-333

ZHONG Qingliang,ZHAO Jianguo,XIAO Zengjia,et al.Seismic rock physical characterization of a shale oil reservoir in the Qianjiang Formation of Qianjiang Sag,China［J］.Geophysical Prospecting for Petroleum,2021,60(2): 323- 333

钮学民,张繁昌,慎国强.联合反演中多尺度地震资料自适应方法研究［J］.石油物探,2021,60(2):334-341

NIU Xuemin,ZHANG Fanchang,SHEN Guoqiang.Adaptive method for the joint inversion of multiscale seismic data［J］.Geophysical Prospecting for Petroleum,2021,60(2): 334-341

贺川航,鲜成龙,林煜,等.川中茅口组白云岩储层预测关键技术研究与应用［J］.石油物探,2021,60(2): 342-352

HE Chuanhang,XIAN Chenlong,LIN Yu,et al.Key technologies for the prediction of Dolomite reservoirs in the Maokou Formation in central Sichuan［J］.Geophysical Prospecting for Petroleum,2021,60(2): 342- 352

# 2021年第1期（2021年1月）

滕吉文,司芗,王玉辰.我国化石能源勘探、开发潜能与未来［J］.石油物探,2021,60(1):1-12

TENG Jiwen,SI Xiang,WANG Yuchen.Potential and future of fossil fuel exploration and development in China［J］.Geophysical Prospecting for Petroleum,2021,60(1):1-12

王赟,孙丽霞,李栋青,等.勘探地震中的六分量观测［J］.石油物探,2021,60(1):13-24

WANG Yun,SUN Lixia,LI Dongqing,et al.Six-component observation for exploration seismology［J］.Geophysical Prospecting for Petroleum,2021,60(1):13-24

刘晟,苑益军,邱新明,等.矢量Radon变换波场分离方法研究现状与展望［J］.石油物探,2021,60(1):25-33

LIU Sheng,YUAN Yijun,QIU Xinming,et al.Research status and prospect of wavefield separation methods based on vector Radon transform［J］.Geophysical Prospecting for Petroleum,2021,60(1):25-33

何兵寿,武雪峤,高琨鹏.TI介质中qP波方程逆时偏移技术的研究现状与展望［J］.石油物探,2021,60(1):34-45

HE Bingshou,WU Xueqiao,GAO Kunpeng.Research status and prospect of qP wave reverse time migration in TI media［J］.Geophysical Prospecting for Petroleum,2021,60(1):34-45

邱新明,王赟,韦永祥,等.多分量面波研究进展［J］.石油物探,2021,60(1):46-56

QIU Xinming,WANG Yun,WEI Yongxiang,et al.Advancements in multi-component surface waves:A review［J］.Geophysical Prospecting for Petroleum,2021,60(1):46-56

代福材,张峰,李向阳,等.多波联合反演研究进展［J］.石油物探,2021,60(1):57-69

DAI Fucai,ZHANG Feng,LI Xiangyang,et al.Progress of multi-wave joint inversion［J］.Geophysical Prospecting for Petroleum,2021,60(1):57-69

李远芳,汪超,王赟.四元数在多分量地震数据处理中的应用研究现状［J］.石油物探,2021,60(1):70-80

LI Yuanfang,WANG Chao,WANG Yun.Research status of the application of quaternion in multi-component seismic processing［J］.Geophysical Prospecting for Petroleum,2021,60(1):70-80

蔡志东,王世成,韦永祥,等.VSP波场研究与应用现状［J］.石油物探,2021,60(1):81-91

CAI Zhidong,WANG Shicheng,WEI Yongxiang,et al.Research and application status of VSP wavefields［J］.Geophysical Prospecting for Petroleum,2021,60(1):81-91

李子坤,王赟,陆敬安,等.海洋天然气水合物地震探测技术进展——从单纵波到多波［J］.石油物探,2021,60(1):92-104

LI Zikun,WANG Yun,LU Jing’an,et al.Seismic exploration of marine gas hydrates: A review of P-wave and multi-wave technologies［J］.Geophysical Prospecting for Petroleum,2021,60(1):92-104

王祥春,马文秀,黄天蔚,等.OBS技术在南海天然气水合物勘探中的应用［J］.石油物探,2021,60(1):105-113

WANG Xiangchun,MA Wenxiu,HUANG Tianwei,et al.Application of an ocean bottom seismometer for gas hydrate exploration in the South China Sea［J］.Geophysical Prospecting for Petroleum,2021,60(1):105-113

李志军,任华育,杨德义,等.三分量微测井方法在转换波静校正中的应用［J］.石油物探,2021,60(1):114-122

LI Zhijun,REN Huayu,YANG Deyi,et al.Application of three-component micro-logging to converted wave static correction［J］.Geophysical Prospecting for Petroleum,2021,60(1):114-122

李拥军,宋炜,唐传章,等.复数域匹配追踪近地表Q值估计及深度学习建模［J］.石油物探,2021,60(1):123-135

LI Yongjun,SONG Wei,TANG Chuanzhang,et al.Complex domain-matching pursuit for near-surface Q-estimate and deep learning modeling［J］.Geophysical Prospecting for Petroleum,2021,60(1):123-135

孙卫涛,熊繁升,曹宏,等.致密储层复杂流体模型及其适用性分析［J］.石油物探,2021,60(1):136-148

SUN Weitao,XIONG Fansheng,CAO Hong,et al.Analysis of complex fluid model and its applicability in tight reservoirs［J］.Geophysical Prospecting for Petroleum,2021,60(1):136-148

陈芊澍,文晓涛,何健,等.基于极限学习机的裂缝带预测［J］.石油物探,2021,60(1):149-156

CHEN Qianshu,WEN Xiaotao,HE Jian,et al.Prediction of a fracture zone using an extreme learning machine［J］.Geophysical Prospecting for Petroleum,2021,60(1):149-156

穆星,赵海华.隐性走滑断层的识别方法及其走滑量的计算［J］.石油物探,2021,60(1):157-166

MU Xing,ZHAO Haihua.Identification of concealed strike-slip fault and estimation of strike-slip offset:A case study of the Jiyang Depression in Bohai Bay Basin［J］.Geophysical Prospecting for Petroleum,2021,60(1):157-166

曹磊,张达,李宁,等.马尔可夫随机场反演在火山岩储层预测中的应用［J］.石油物探,2021,60(1):167-174

CAO Lei,ZHANG Da,LI Ning,et al.Application of Markov random field inversion in the prediction of volcanic reservoirs［J］.Geophysical Prospecting for Petroleum,2021,60(1):167-174

# 2020年第6期（2020年11月）

唐文榜,李宗杰,吴华,等.浅谈地震数据采集中的反射波高频成分［J］.石油物探,2020,59(6):831-843

TANG Wenbang,LI Zongjie,WU Hua,et al.Discussion on high-frequency components of seismic reflection waves in seismic acquisition［J］.Geophysical Prospecting for Petroleum,2020,59(6):831-843

殷厚成,彭代平,郑军.地震信噪比照明分析研究及应用［J］.石油物探,2020,59(6):844-850

YIN Houcheng,PENG Daiping,ZHENG Jun.Illumination of signal-to-noise ratio［J］.Geophysical Prospecting for Petroleum,2020,59(6):844-850

崔宁城,黄光南,李红星,等.插入排序快速推进旅行时计算方法［J］.石油物探,2020,59(6):851-862

CUI Ningcheng,HUANG Guangnan,LI Hongxing,et al.Fast marching traveltime computation based on an insertion sorting method［J］.Geophysical Prospecting for Petroleum,2020,59(6):851-862

杨旭明,王丽,陶长江,等.自适应稀疏反演多次波压制方法［J］.石油物探,2020,59(6):863-871

YANG Xuming,WANG Li,TAO Changjiang,et al.Adaptive sparse inversion for multiples suppression［J］.Geophysical Prospecting for Petroleum,2020,59(6):863-871

张明强,焦叙明,王炜,等.OBN资料三维水层相关多次波压制方法研究［J］.石油物探,2020,59(6):872-879

ZHANG Mingqiang,JIAO Xuming,WANG Wei,et al.3D water-layer-related multiples attenuation for OBN data［J］.Geophysical Prospecting for Petroleum,2020,59(6):872-879

程文婷,方文倩,付丽华.基于自相似性和低秩先验的地震数据随机噪声压制［J］.石油物探,2020,59(6):880-889

CHENG Wenting,FANG Wenqian,FU Lihua.Seismic noise suppression via self-similarity and low-rank prior［J］.Geophysical Prospecting for Petroleum,2020,59(6):880-889

罗腾腾,徐基祥,秦臻,等.混合域高分辨率Radon变换及其在绕射波分离与成像中的应用［J］.石油物探,2020,59(6):890-900

LUO Tengteng,XU JiXiang,QIN Zhen,et al.Hybrid-domain high-resolution Radon transform and its application in diffraction wave separation and imaging［J］.Geophysical Prospecting for Petroleum,2020,59(6):890-900

李青阳,吴国忱,杨凌云,等.基于二阶系统的NCPML吸收边界三维声波逆时偏移方法［J］.石油物探,2020,59(6):901-911

LI Qingyang,WU Guochen,YANG Lingyun,et al.Three-dimensional acoustic reverse time migration with a NCPML absorbing boundary condition in a second-order system［J］.Geophysical Prospecting for Petroleum,2020,59(6):901-911

纪永祯,张渝悦,朱立华,等.多道随机稀疏反射系数反演［J］.石油物探,2020,59(6):912-917

JI Yongzhen,ZHANG Yuyue,ZHU Lihua,et al.Multi-trace stochastic sparse-spike inversion for reflectivity［J］.Geophysical Prospecting for Petroleum,2020,59(6):912-917

李飞跃,杨海长,纪沫,等.分频倾角相干融合技术在琼东南盆地深水区断裂解释中的应用［J］.石油物探,2020,59(6):918-926

LI Feiyue,YANG Haizhang,JI Mo,et al.Application of a frequency-divided dip coherency fusion for the fracture interpretation in the deep waters of the Qiongdongnan basin［J］.Geophysical Prospecting for Petroleum,2020,59(6):918-926

王振涛,慎国强,王玉梅,等.模型驱动的高精度叠前地震反演方法及应用［J］.石油物探,2020,59(6):927-935

WANG Zhentao,SHEN Guoqiang,WANG Yumei,et al.Model driven high-precision prestack seismic inversion［J］.Geophysical Prospecting for Petroleum,2020,59(6):927-935

王迪,张益明,刘志斌,等.AVO定量解释模版在LX地区致密气“甜点”预测中的应用［J］.石油物探,2020,59(6):936-948

WANG Di,ZHANG Yiming,LIU Zhibin,et al.Application of an AVO template to identify sweet spots in a tight sandstone reservoir in the LX area［J］.Geophysical Prospecting for Petroleum,2020,59(6):936-948

姜勇,秦德文,俞伟哲.东海某凹陷大型砂体优势储层预测技术研究与应用［J］.石油物探,2020,59(6):949-960

JIANG Yong,QIN Dewen,YU Weizhe.Prediction of favorable reservoirs in large sandstone reservoirs in a sag of the East China Sea［J］.Geophysical Prospecting for Petroleum,2020,59(6):949-960

霍志周,刘喜武,莫莉,等.高精度结构曲率提取方法在潜江凹陷构造解释中的应用［J］.石油物探,2020,59(6):961-969

HUO Zhizhou,LIU Xiwu,MO Li,et al.Application of high-precision structural curvature extracting on the structural interpretation of Jianghan-Qianjiang Depression［J］.Geophysical Prospecting for Petroleum,2020,59(6):961-969

张介辉,谢清惠,张东涛,等.优化的蚂蚁追踪技术在四川盆地Y1井区的应用研究［J］.石油物探,2020,59(6):970-977

ZHANG Jiehui,XIE Qinghui,ZHANG Dongtao,et al.Application of an optimized ant-tracking workflow in shale-gas Y1 area of Sichuan［J］.Geophysical Prospecting for Petroleum,2020,59(6):970-977

宋亚民,戴朝强,张丽萍,等.流花地区巨厚灰岩层下伏构造落实方法研究［J］.石油物探,2020,59(6):978-987

SONG Yamin,DAI Chaoqiang,ZHANG Liping,et al.Confirming the structure of underlying a very thick limestone formation in the Liuhua area,China［J］.Geophysical Prospecting for Petroleum,2020,59(6):978-987

# 2020年第5期（2020年9月）

陈玉达,林君,邢雪峰.可控震源技术发展与应用［J］.石油物探,2020,59(5):666-682

CHEN Yuda,LIN Jun,XING Xuefeng.Development and application of vibroseis technology［J］.Geophysical Prospecting for Petroleum,2020,59(5):666-682

王华忠.客户定制反射子波的可控震源地震勘探方法王华忠.客户定制反射子波的可控震源地震勘探方法［J］.石油物探,2020,59(5):683-694

WANG Huazhong.Vibroseis seismic exploration with customized wavelet［J］.Geophysical Prospecting for Petroleum,2020,59(5):683-694

王正军,夏建军,李献民,等.可控震源高效采集噪声对弱信号的影响及应对方法［J］.石油物探,2020,59(5):695-702

WANG Zhengjun,XIA Jianjun,LI Xianmin,et al.Influence of vibroseis high-efficiency acquisition on weak signals and corresponding countermeasures［J］.Geophysical Prospecting for Petroleum,2020,59(5):695-702

石太昆,徐海,黄亮,等.混采地震数据高效高精度分离处理方法研究进展［J］.石油物探,2020,59(5):703-712

SHI Taikun,XU Hai,HUANG Liang,et al.Progress in high-efficiency and high-precision separation of blended seismic data［J］.Geophysical Prospecting for Petroleum,2020,59(5):703-712

曲英铭,李振春.可控震源混叠地震数据分离与成像［J］.石油物探,2020,59(5):713-724

QU Yingming,LI Zhenchun.Deblending and imaging of vibroseis aliasing data［J］.Geophysical Prospecting for Petroleum,2020,59(5): 713-724

毛海波,马俊彦,王晓涛,等.基于自适应字典学习的可控震源数据谐波噪声压制方法［J］.石油物探,2020,59(5):725-735

MAO Haibo,MA Junyan,WANG Xiaotao,et al.Harmonic noise suppression of vibroseis data based on adaptive dictionary learning［J］.Geophysical Prospecting for Petroleum,2020,59(5): 725-735

张力起,刘亚辉,王华忠.“黑三角”噪声特征分析及压制［J］.石油物探,2020,59(5):736-743

ZHANG Liqi,LIU Yahui,WANG Huazhong.Analysis of “black triangle” noise and its suppressing［J］.Geophysical Prospecting for Petroleum,2020,59(5): 736-743

吴涛,徐鹏,冯波.高效采集中的随机地震观测系统设计及数据重建［J］.石油物探,2020,59(5):744-757

WU Tao,XU Peng,FENG Bo.Randomized seismic acquisition and seismic data reconstruction［J］.Geophysical Prospecting for Petroleum,2020,59(5):744-757

李虹,李晚冬,朱哲,等.可控震源地震资料处理中需要关注的问题探讨［J］.石油物探,2020,59(5):758-767

LI Hong,LI Wandong,ZHU Zhe,et al.Discussion on vibroseis seismic data processing［J］.Geophysical Prospecting for Petroleum,2020,59(5):758-767

娄兵,陈建友,黄坚,等.可控震源地震数据中谐波噪声能量的快速估计方法［J］.石油物探,2020,59(5):768-776

LOU Bing,CHEN Jianyou,HUANG Jian,et al.Automatic estimation of harmonic noise energy in vibroseis slip-sweep seismic data［J］.Geophysical Prospecting for Petroleum,2020,59(5):768-776

裴云龙,蒋波,邬达理,等.沙漠区可控震源“黑三角”干扰波分析及压制方法［J］.石油物探,2020,59(5):777-787

PEI Yunlong,JIANG Bo,WU Dali,et al.Suppression of “black triangle” interference in vibroseis seismic data from desert areas［J］.Geophysical Prospecting for Petroleum,2020,59(5):777-787

蔡敏贵,倪宇东,马涛,等.力信号反褶积运算对于提高地震资料保真度的研究分析［J］.石油物探,2020,59(5):788-794

CAI Mingui,NI Yudong,MA Tao,et al.Improving high-fidelity of seismic data based on deconvolution by force signals［J］.Geophysical Prospecting for Petroleum,2020,59(5):788-794

周创,居兴国,李子昂,等.基于深度卷积生成对抗网络的地震初至拾取［J］.石油物探,2020,59(5):795-803

ZHOU Chuang,JU Xingguo,LI Ziang,et al.A deep convolutional generative adversarial network for first-arrival pickup from seismic data［J］.Geophysical Prospecting for Petroleum,2020,59(5):795-803

郭萌,张会星,刘明珠.基于双重Bregman迭代的地震数据重构与去噪［J］.石油物探,2020,59(5):804-814

GUO Meng,ZHANG Huixing,LIU Mingzhu.Seismic data reconstruction and denoising based on dual Bregman iteration［J］.Geophysical Prospecting for Petroleum,2020,59(5):804-814

杨培杰,隋风贵.一种改进的最小二乘时频分析方法［J］.石油物探,2020,59(5):815-822

YANG Peijie,SUI Fenggui.An improved least squares time frequency analysis［J］.Geophysical Prospecting for Petroleum,2020,59(5):815-822

于景强,于正军,毛振强,等.陆相页岩油烃源岩总有机碳含量叠前地震反演预测方法与应用［J］.石油物探,2020,59(5):823-830

YU Jingqiang,YU Zhengjun,MAO Zhenqiang,et al.Prediction of total organic carbon content in source rock of continental shale oil using pre-stack seismic inversion［J］.Geophysical Prospecting for Petroleum,2020,59(5):823-830

# 2020年第4期（2020年7月）

张繁昌,兰南英,李传辉,等.地震匹配追踪技术与应用研究进展［J］.石油物探,2020,59(4):491-504

ZHANG Fanchang,LAN Nanying,LI Chuanhui,et al.A review on seismic matching pursuit［J］.Geophysical Prospecting for Petroleum,2020,59(4):491-504

钟庆良,唐海,石秀平,等.潜江凹陷潜江组盐间页岩油岩石物理建模研究［J］.石油物探,2020,59(4):505-516

ZHONG Qingliang,TANG Hai,SHI Xiuping,et al.Rock physics modeling of inter-salt shale oil in the Qianjiang formation of Qianjiang sag,China［J］.Geophysical Prospecting for Petroleum,2020,59(4):505-516

蔡存军,毛锐强,彭志文,等.低信噪比地震资料初至自动拾取技术［J］.石油物探,2020,59(4):517-529

CAI Cunjun,MAO Ruiqiang,PENG Zhiwen,et al.Automatic first-arrival picking from seismic data with low signal-to-noise ratio［J］.Geophysical Prospecting for Petroleum,2020,59(4):517-529

安圣培,刘韬,胡天跃.基于高阶累积量时间延迟估计的自动剩余静校技术［J］.石油物探,2020,59(4):530-538

AN Shengpei,LIU Tao,HU Tianyue.Automatic residual statics correction by higher-order cumulant-based time delay estimation［J］.Geophysical Prospecting for Petroleum,2020,59(4):530-538

姚晓龙,张永升,齐鹏,等.面向复杂山前带的平滑地表TTI各向异性速度建模［J］.石油物探,2020,59(4):539-550

YAO Xiaolong,ZHANG Yongsheng,QI Peng,et al.TTI anisotropic velocity modeling based on a smoothed surface for a piedmont zone［J］.Geophysical Prospecting for Petroleum,2020,59(4):539-550

蒋波.地震资料重处理的方法技术蒋波.地震资料重处理的方法技术［J］.石油物探,2020,59(4):551-563

JIANG Bo.Seismic data reprocessing［J］.Geophysical Prospecting for Petroleum,2020,59(4):551-563

蒋楠.基于Spark大数据处理框架的逆时偏移成像技术研究蒋楠.基于Spark大数据处理框架的逆时偏移成像技术研究［J］.石油物探,2020,59(4):564-571

JIANG Nan.Reverse time migration based on the Spark big data processing platform［J］.Geophysical Prospecting for Petroleum,2020,59(4):564-571

纪永祯,朱立华,林正良,等.基于自动相关判别先验的叠前同时反演方法研究［J］.石油物探,2020,59(4):572-582

JI Yongzhen,ZHU Lihua,LIN Zhengliang,et al.Prestack simultaneous inversion based on automatic relevance determination［J］.Geophysical Prospecting for Petroleum,2020,59(4):572-582

杨瀚,陈思,谢渊,等.准噶尔盆地东南缘芦草沟组页岩储层特征及其影响因素［J］.石油物探,2020,59(4):583-595

YANG Han,CHEN Si,XIE Yuan,et al.Shale reservoir characteristics and their influencing factors in the Lucaogou Formation,southeastern margin of the Junggar Basin,China［J］.Geophysical Prospecting for Petroleum,2020,59(4):583-595

刘可,尹成,赵虎,等.基于空间近似概率约束的混合密度网络砂体厚度预测［J］.石油物探,2020,59(4):596-606

LIU Ke,YIN Cheng,ZHAO Hu,et al.Prediction of sand body thickness based on a mixed density network constrained by a spatially approximated probability［J］.Geophysical Prospecting for Petroleum,2020,59(4):596-606

苏建龙,蒲勇,缪志伟,等.元坝地区灯影组四段丘滩体相控储层预测［J］.石油物探,2020,59(4):607-615

SU Jianlong,PU Yong,MIAO Zhiwei,et al.Facies-controlled reservoir prediction for the bioherm beach of the fourth member of Dengying formation in the Yuanba area,China［J］.Geophysical Prospecting for Petroleum,2020,59(4):607-615

王俊,曹俊兴,尤加春,等.基于门控循环单元神经网络的储层孔渗饱参数预测［J］.石油物探,2020,59(4):616-627

WANG Jun,CAO Junxing,YOU Jiachun,et al.Prediction of reservoir porosity,permeability,and saturation based on a gated recurrent unit neural network［J］.Geophysical Prospecting for Petroleum,2020,59(4):616-627

袁联生.塔里木盆地玉北地区中下奥陶统断溶体识别袁联生.塔里木盆地玉北地区中下奥陶统断溶体识别［J］.石油物探,2020,59(4):628-636

YUAN Liansheng.Identifying fault-karst reservoirs in middle-lower Ordovician carbonates in the Yubei area,Tarim basin,China［J］.Geophysical Prospecting for Petroleum,2020,59(4):628-636

周家雄,张亮,刘巍,等.时移地震气藏监测技术在崖城13-1气田的应用［J］.石油物探,2020,59(4):637-646

ZHOU Jiaxiong,ZHANG Liang,LIU Wei,et al.Application of a time-lapse seismic gas reservoir monitoring in the Yacheng 13-1 gas field［J］.Geophysical Prospecting for Petroleum,2020,59(4):637-646

张丽华,潘保芝,王云梅,等.砂岩中绿泥石包膜与岩石润湿性及岩电参数的关系研究［J］.石油物探,2020,59(4):647-654

ZHANG Lihua,PAN Baozhi,WANG Yunmei,et al.Relationship between pore-lining chlorite and wettability of rocks,and rock electrical parameters of sandstone［J］.Geophysical Prospecting for Petroleum,2020,59(4):647-654

刘鹏程,沈建国,沈永进.瞬变电磁测井的过套管地层电导率探测［J］.石油物探,2020,59(4):655-664

LIU Pengcheng,SHEN Jianguo,SHEN Yongjin.Measuring formation conductivity by transient electromagnetic logging through casing［J］.Geophysical Prospecting for Petroleum,2020,59(4):655-664

# 2020年第3期（2020年5月）

何兵红.基于声波方程转换的三参数递进式全波形反演［J］.石油物探,2020,59(3): 325-335

HE Binghong.Three-parameter progressive full waveform inversion based on acoustic equation transformation［J］.Geophysical Prospecting for Petroleum,2020,59(3):325-335

戴海涛,成剑冰,王红博,等.复杂地表浅层速度建模技术研究及应用［J］.石油物探,2020,59(3):336-343

DAI Haitao,CHENG Jianbing,WANG Hongbo,et al.A shallow velocity modeling technique for complex surfaces［J］.Geophysical Prospecting for Petroleum,2020,59(3):336-343

毕丽飞,曾志毅,张建中,等.一种适于存在极性反转的微震初至到时拾取方法［J］.石油物探,2020,59(3):344-355

BI Lifei,ZENG Zhiyi,ZHANG Jianzhong,et al.Picking arrival times of microseismic events from surface monitoring data with waveform polarity reversals［J］.Geophysical Prospecting for Petroleum,2020,59(3):344-355

王亚娟,李怀良,庹先国,等.一种强噪声微地震信号P震相初至拾取的新方法［J］.石油物探,2020,59(3):356-365

WANG Yajuan,LI Huailiang,TUO Xianguo,et al.Picking the P-phase first arrival of microseismic data with strong noise［J］.Geophysical Prospecting for Petroleum,2020,59(3):356-365

王咸彬.一种智能化断层保护的随机噪声压制方法王咸彬.一种智能化断层保护的随机噪声压制方法［J］.石油物探,2020,59(3):366-373

WANG Xianbin.A random noise attenuation method with automatic fault recognition［J］.Geophysical Prospecting for Petroleum,2020,59(3):366-373

冀国强,石颖.正则化形式的稳定粘声逆时偏移成像方法［J］.石油物探,2020,59(3):374-381

JI Guoqiang,SHI Ying.Stable and regularized visco-acoustic reverse time migration［J］.Geophysical Prospecting for Petroleum,2020,59(3):374-381

王瑞贞,白旭明,王金宽,等.朝克乌拉凹陷火成岩覆盖区地震勘探方法研究［J］.石油物探,2020,59(3):382-395

WANG Ruizhen,BAI Xuming,WANG Jinkuan,et al.Seismic exploration methods for igneous rock-overlain regions in the Chaokewula Sag［J］.Geophysical Prospecting for Petroleum,2020,59(3):382-395

高君,黄捍东,季敏,等.碳酸盐岩储层地震相控非线性反演技术及应用［J］.石油物探,2020,59(3):396-403

GAO Jun,HUANG Handong,JI Min,et al.Seismic phase-controlled nonlinear inversion of a carbonate reservoir［J］.Geophysical Prospecting for Petroleum,2020,59(3):396-403

高利君,杨建礼,李俊,等.二维随机介质等效裂缝建模及波动方程正演模拟［J］.石油物探,2020,59(3):404-408

GAO Lijun,YANG Jianli,LI Jun,et al.Building an equivalent fracture model and performing forward modeling of wave equations in a 2D random medium［J］.Geophysical Prospecting for Petroleum,2020,59(3):404-408

叶泰然,马灵伟,张虹,等.川西彭州地区雷口坡组潮坪相薄储层辨识机理研究［J］.石油物探,2020,59(3):409-421

YE Tairan,MA Lingwei,ZHANG Hong,et al.Strategy for identifying thin reservoirs in tide-flat facies in the Leikoupo Formation,Pengzhou,Western Sichuan［J］.Geophysical Prospecting for Petroleum,2020,59(3):409-421

张海涛,方驭洋,李高仁,等.油润湿致密砂岩核磁共振弛豫机理与流体识别方法［J］.石油物探,2020,59(3):422-429

ZHANG Haitao,FANG Yuyang,LI Gaoren,et al.Nuclear magnetic resonance relaxation mechanism and fluid identification in oil wet tight sandstone reservoirs［J］.Geophysical Prospecting for Petroleum,2020,59(3):422-429

蔡志东,王赟,温铁民,等.基于VSP的地震地质导向方法与应用试验［J］.石油物探,2020,59(3):430-440

CAI Zhidong,WANG Yun,WEN Tiemin,et al.Seismic geo-steering based on VSP［J］.Geophysical Prospecting for Petroleum,2020,59(3):430-440

张军华,王作乾,谭明友,等.东营凹陷深部储层流度属性提取及应用［J］.石油物探,2020,59(3):441-449

ZHANG Junhua,WANG Zuoqian,TAN Mingyou,et al.Mobility attribute extraction and its application in a deep reservoir at Dongying Sag［J］.Geophysical Prospecting for Petroleum,2020,59(3):441-449

肖鹏飞.叠前地震流体识别技术在碳酸盐岩缝洞型储层中的应用肖鹏飞.叠前地震流体识别技术在碳酸盐岩缝洞型储层中的应用［J］.石油物探,2020,59(3):450-461

XIAO Pengfei.Application of pre-stack seismic fluid identification to carbonate fracture-cavity reservoirs［J］.Geophysical Prospecting for Petroleum,2020,59(3):450-461

沈建国,李红瑞,沈永进.瞬变电磁井间勘探的全空间几何因子［J］.石油物探,2020,59(3):462-471

SHEN Jianguo,LI Hongrui,SHEN Yongjin.Full-space geometric factors for cross-well transient electromagnetic exploration［J］.Geophysical Prospecting for Petroleum,2020,59(3):462-471

童小龙,严良俊,向葵.地层条件下页岩低频复电阻率特征分析［J］.石油物探,2020,59(3):472-480

TONG Xiaolong,YAN Liangjun,XIANG Kui.Analysis of low-frequency complex resistivity characteristics under formation conditions［J］.Geophysical Prospecting for Petroleum,2020,59(3):472-480

熊治涛,唐新功,李丹丹.二维电性各向异性极化体的频率域响应［J］.石油物探,2020,59(3):481-490

XIONG Zhitao,TANG Xingong,LI Dandan.Frequency responses of a two-dimensional anisotropic polarization body［J］.Geophysical Prospecting for Petroleum,2020,59(3):481-490

# 2020年第2期（2020年3月）

李阳,薛兆杰.中国石化油藏地球物理技术进展与探讨［J］.石油物探,2020,59(2):159-168

LI Yang,XUE Zhaojie.Progress and development directions of reservoir geophysics at SINOPEC［J］.Geophysical Prospecting for Petroleum,2020,59(2): 159-168

戴永寿,张彧豪,张鹏,等.时变地震子波提取研究方法综述［J］.石油物探,2020,59(2):169-176

DAI Yongshou,ZHANG Yuhao,ZHANG Peng,et al.A review on time-varying seismic wavelet extraction［J］.Geophysical Prospecting for Petroleum,2020,59(2): 169-176

孙哲,杜清波,翟金浩,等.超高效混叠地震采集实时质控技术［J］.石油物探,2020,59(2):177-185

SUN Zhe,DU Qingbo,ZHAI Jinhao,et al.Real-time quality control for ultra efficient blended seismic acquisition［J］.Geophysical Prospecting for Petroleum,2020,59(2): 177-185

徐德奎,张志军,夏同星,等.海上大型气云发育区地震数据采集参数论证分析［J］.石油物探,2020,59(2):186-197

XU Dekui,ZHANG Zhijun,XIA Tongxing,et al.Demonstration analysis of seismic acquisition in a large-scale gas cloud area in the sea［J］.Geophysical Prospecting for Petroleum,2020,59(2): 186-197

唐杰,戚瑞轩,张文征,等.基于自相似块匹配的地震数据信噪分离方法研究［J］.石油物探,2020,59(2):198-207

TANG Jie,QI Ruixuan,ZHANG Wenzheng,et al.Seismic data denoising based on self-similarity block matching［J］.Geophysical Prospecting for Petroleum,2020,59(2): 198-207

张在金,陈可洋,范兴才,等.井控与构造约束条件下的网格层析速度建模技术及应用［J］.石油物探,2020,59(2):208-217

ZHANG Zaijin,CHEN Keyang,FAN Xingcai,et al.Seismic wave velocity modelling through grid tomography inversion constrained by well logging and structural modeling［J］.Geophysical Prospecting for Petroleum,2020,59(2): 208-217

赵磊,杨勤勇.基于高分辨率拉东谱的逆时偏移角度域共成像点道集提取［J］.石油物探,2020,59(2):218-225

ZHAO Lei,YANG Qinyong.Extraction of RTM common image gather in angle domain based on high-resolution Radon spectrum［J］.Geophysical Prospecting for Petroleum,2020,59(2): 218-225

朱万怡,王华忠,吴成梁,等.基于行波分解的绕射波成像方法研究［J］.石油物探,2020,59(2):226-235

ZHU Wanyi,WANG Huazhong,WU Chengliang,et al.Diffraction imaging based on wavefield decomposition［J］.Geophysical Prospecting for Petroleum,2020,59(2):226-235

魏巍,高鸿,刘忠岩.奇异值分解技术在绕射波分离成像中的应用研究［J］.石油物探,2020,59(2):236-241

WEI Wei,GAO Hong,LIU Zhongyan.Separation and imaging of seismic diffractions using singular value decomposition［J］.Geophysical Prospecting for Petroleum,2020,59(2):236-241

李彦鹏,李飞,李建国,等.DAS技术在井中地震勘探的应用［J］.石油物探,2020,59(2):242-249

LI Yanpeng,LI Fei,LI Jianguo,et al.Application of distributed acoustic sensing in borehole seismic exploration［J］.Geophysical Prospecting for Petroleum,2020,59(2):242-249

朱剑兵,王兴谋,冯德永,等.基于双向循环神经网络的河流相储层预测方法及应用［J］.石油物探,2020,59(2):250-257

ZHU Jianbing,WANG Xingmou,FENG Deyong,et al.Predicting fluvial reservoirs using seismic data based on a Bi-recurrent neural network［J］.Geophysical Prospecting for Petroleum,2020,59(2):250-257

马艺璇,李慧莉,刘坤岩,等.基于分频相干体的蚂蚁追踪技术在塔河油田断裂刻画中的应用［J］.石油物探,2020,59(2):258-266

MA Yixuan,LI Huili,LIU Kunyan,et al.Application of an ant-tracking technique based on spectral decomposition to fault characterization［J］.Geophysical Prospecting for Petroleum,2020,59(2):258-266

丁燕,杜启振,Qamar Yasin,等.基于深度学习的裂缝预测在S区潜山碳酸盐岩储层中的应用［J］.石油物探,2020,59(2):267-275

DING Yan,DU Qizhen,YASIN Qamar,et al.Fracture prediction based on deep learning:Application to a buried hill carbonate reservoir in the S area［J］.Geophysical Prospecting for Petroleum,2020,59(2):267-275

周鹏,肖曦,陶杰,等.绕射信息提取技术及其在致密砂岩断裂系统识别中的应用［J］.石油物探,2020,59(2):276-282

ZHOU Peng,XIAO Xi,TAO Jie,et al.Diffraction information extraction and its application to the identification of tight sandstone fracture systems［J］.Geophysical Prospecting for Petroleum,2020,59(2):276-282

李宗杰,杨子川,李海英,等.顺北沙漠区超深断溶体油气藏三维地震勘探关键技术［J］.石油物探,2020,59(2):283-294

LI Zongjie,YANG Zichuan,LI Haiying,et al.Three-dimensional seismic exploration method for ultra-deep fault-related dissolution reservoirs in the Shunbei desert area［J］.Geophysical Prospecting for Petroleum,2020,59(2):283-294

魏伯阳,潘保芝,殷秋丽,等.基于条件生成对抗网络的成像测井图像裂缝计算机识别［J］.石油物探,2020,59(2):295-302

WEI Boyang,PAN Baozhi,YIN Qiuli,et al.Identification of image logging data based on conditional generation adversarial network［J］.Geophysical Prospecting for Petroleum,2020,59(2):295-302

宁琴琴,王祝文,于洋,等.基于EMD的声波全波列几种时频分析方法对比［J］.石油物探,2020,59(2):303-316

NING Qinqin,WANG Zhuwen,YU Yang,et al.Comparison of time-frequency analysis methods for acoustic full waveform based on empirical mode decomposition［J］.Geophysical Prospecting for Petroleum,2020,59(2):303-316

张小康,沈建国,李红瑞.瞬变电磁井间涡流激发响应的实验研究［J］.石油物探,2020,59(2):317-324

ZHANG Xiaokang,SHEN Jianguo,LI Hongrui.Experiment on the transient electromagnetic field induced by eddy currents between wells［J］.Geophysical Prospecting for Petroleum,2020,59(2):317-324

# 2020年第1期（2020年1月）

刘玉柱,吴世林,刘伟刚,等.反演近地表物性参数的地震层析成像方法综述［J］.石油物探,2020,59(1): 1-11

LIU Yuzhu,WU Shilin,LIU Weigang,et al.A review of seismic tomographic methods for the inversion of near surface models［J］.Geophysical Prospecting for Petroleum,2020,59(1): 1-11

崔庆辉,尚新民,滕厚华,等.高密度三维地震观测系统设计技术与应用［J］.石油物探,2020,59(1): 12-22

CUI Qinghui,SHANG Xinmin,TENG Houhua,et al.Design of a high density three dimensional seismic geometry and its application［J］.Geophysical Prospecting for Petroleum,2020,59(1):12-22

蒋立,刘宜文,范旭,等.面向近地表品质调查的微测井采集及应用效果分析［J］.石油物探,2020,59(1): 23-30

JIANG Li,LIU Yiwen,FAN Xu,et al.Uphole survey for near surface formation quality factor and its application［J］.Geophysical Prospecting for Petroleum,2020,59(1): 23-30

王正军,徐文瑞,刘飞.检波点位置偏移原则在准噶尔盆地沙漠区地震采集中的应用［J］.石油物探,2020,59(1): 31-39

WANG Zhengjun,XU Wenrui,LIU Fei.Application of the principle of positional deviation of detections in seismic acquisition in a desert of Junggar Basin,China［J］.Geophysical Prospecting for Petroleum,2020,59(1): 31-39

张入化,黄建平,国运东,等.基于Seislet域分数阶阈值去噪算法的地震资料去噪［J］.石油物探,2020,59(1): 40-50

ZHANG Ruhua,HUANG Jianping,GUO Yundong,et al.Fractional threshold denoising algorithm in seislet domain for seismic data denoising［J］.Geophysical Prospecting for Petroleum,2020,59(1): 40-50

罗仁泽,李阳阳.一种基于RUnet卷积神经网络的地震资料随机噪声压制方法［J］.石油物探,2020,59(1): 51-59

LUO Renze,LI Yangyang.Random seismic noise attenuation based on RUnet convolutional neural network［J］.Geophysical Prospecting for Petroleum,2020,59(1): 51-59

陈国金,张亚红,宋吉杰,等.微地震地面监测资料反射波恢复研究［J］.石油物探,2020,59(1): 60-70

CHEN Guojin,ZHANG Yahong,SONG Jijie,et al.Reflected wave recovery from microseismic ground monitoring data［J］.Geophysical Prospecting for Petroleum,2020,59(1): 60-70

蔡志成,顾汉明,曹静杰.基于能量范数成像条件的一阶方程弹性波逆时偏移［J］.石油物探,2020,59(1): 71-79

CAI Zhicheng,GU Hanming,CAO Jingjie,et al.Reverse time migration using energy norm imaging condition based on first order elastic wave equation［J］.Geophysical Prospecting for Petroleum,2020,59(1): 71-79

纪永祯,张渝悦,朱立华,等.基于SBL WVD的地震高分辨率时频分析［J］.石油物探,2020,59(1): 80-86

JI Yongzhen,ZHANG Yuyue,ZHU Lihua,et al.High resolution seismic time frequency analysis based on sparse Bayesian learning combined with Wigner Ville distribution［J］.Geophysical Prospecting for Petroleum,2020,59(1): 80-86

肖鹏飞,杨林,李弘,等.塔里木盆地深层缝洞型碳酸盐岩储层地震AVO响应分析［J］.石油物探,2020,59(1): 87-97

XIAO Pengfei,YANG Lin,LI Hong,et al.Seismic amplitude versus offset response of deep fracture cavity carbonate reservoirs in the Tarim Basin,China［J］.Geophysical Prospecting for Petroleum,2020,59(1): 87-97

时磊,王璞,刘俊州,等.致密砂岩储层物性参数预测方法研究［J］.石油物探,2020,59(1): 98-107

SHI Lei,WANG Pu,LIU Junzhou,et al.Physical properties prediction for tight sandstone reservoirs［J］.Geophysical Prospecting for Petroleum,2020,59(1): 98-107

宋维琪,徐月森,张云银,等.基于傅里叶级数分析的各向异性参数估计及裂缝预测［J］.石油物探,2020,59(1): 108-113

SONG Weiqi,XU Yuesen,ZHANG Yunyin,et al.Anisotropy parameter estimation and fracture prediction based on Fourier series analysis［J］.Geophysical Prospecting for Petroleum,2020,59(1): 108-113

王勇,龙凡,杨建礼,等.叠前反演在龙虎泡致密油“工程甜点”预测中的应用［J］.石油物探,2020,59(1): 114-121

WANG Yong,LONG Fan,YANG Jianli,et al.Prestack elastic inversion for “geomechanical sweet spot” prediction in Longhupao region of Songliao Basin,China［J］.Geophysical Prospecting for Petroleum,2020,59(1): 114-121

徐苗苗,印兴耀,宗兆云.基于复合蛙跳算法的火山岩最优化测井解释方法［J］.石油物探,2020,59(1): 122-130

XU Miaomiao,YIN Xingyao,ZONG Zhaoyun.Logging interpretation optimization of volcanic rocks using the complex frog leaping algorithm［J］.Geophysical Prospecting for Petroleum,2020,59(1): 122-130

刘成川,陈俊,黎华继,等.中江气田沙溪庙组气藏致密砂岩储层测井评价［J］.石油物探,2020,59(1): 131-140

LIU Chengchuan,CHEN Jun,LI Huaji,et al.Logging evaluation of the tight sandstone reservoir in the gas reservoir of the Shaximiao formation within Zhongjiang gas field,China［J］.Geophysical Prospecting for Petroleum,2020,59(1): 131-140

刘双莲,李浩,魏修平,等.含岩屑砂岩储层“甜点”测井评价技术难点与对策［J］.石油物探,2020,59(1): 141-149

LIU Shuanglian,LI Hao,WEI Xiuping,et al.Difficulties and strategy of logging evaluation on “sweet spots” of lithic sandstone reservoirs［J］.Geophysical Prospecting for Petroleum,2020,59(1):141-149

冯鑫,韩文明,范洪耀.西非深水目标高密度三维地震勘探效果［J］.石油物探,2020,59(1):150-157

FENG Xin，HAN Wenming，FAN Hongyao.High density 3D seismic exploration of deep water targets in West Africa［J］.Geophysical Prospecting for Petroleum,2020,59(1): 150-157

# 2019年第6期（2019年11月）

曲寿利.物探新技术是降低油气勘探开发成本的重要利器［J］.石油物探,2019,58(6):783-790

QU Shouli.New geophysical exploration technology:An important tool to reduce the cost of oil and gas exploration and development［J］.Geophysical Prospecting for Petroleum,2019,58(6):783-790

赵改善.石油物探智能化发展之路:从自动化到智能化［J］.石油物探,2019,58(6):791-810

ZHAO Gaishan.Road to intelligent petroleum geophysical exploration:From automatic to intelligent［J］.Geophysical Prospecting for Petroleum,2019,58(6):791-810

胡光辉,杜泽源,何兵红,等.近地表复杂区早至波全波形反演建模技术与应用［J］.石油物探,2019,58(6):811-818

HU Guanghui,DU Zeyuan,HE Binghong,et al.Full waveform inversion based on early arrival waves and its application in complex near-surface area［J］.Geophysical Prospecting for Petroleum,2019,58(6):811-818

蔡杰雄,王静波.一种基于改进快速扫描法的多尺度近地表层析方法［J］.石油物探,2019,58(6):819-827

CAI Jiexiong,WANG Jingbo.A multi-scale near-surface tomography method based on an improved FSM［J］.Geophysical Prospecting for Petroleum,2019,58(6):819-827

谷巍巍,杨锴,王潇.二维VTI介质qP波斜率层析方法［J］.石油物探,2019,58(6):828-836

GU Weiwei,YANG Kai,WANG Xiao.2D qP-wave slope tomography in VTI media［J］.Geophysical Prospecting for Petroleum,2019,58(6):828-836

黄鹏,殷厚成,薛维忠,等.山前带复杂浅表层建模研究［J］.石油物探,2019,58(6):837-845

HUANG Peng,YIN Houcheng,XUE Weizhong,et al.Modeling of complex near-surface in piedmont zone［J］.Geophysical Prospecting for Petroleum,2019,58(6):837-845

邬达理,李洋,刘卫华,等.标志层控制的静校正方法在巨厚黄土塬地区的应用［J］.石油物探,2019,58(6):846-854

WU Dali,LI Yang,LIU Weihua,et al.A marker-layer-controlled static correction method in thick loess tableland［J］.Geophysical Prospecting for Petroleum,2019,58(6):846-854

康治梁,张雪冰.基于L1/2正则化理论的地震稀疏反褶积［J］.石油物探,2019,58(6):855-863

KANG Zhiliang,ZHANG Xuebing.Seismic sparse deconvolution based on L1/2 regularization［J］.Geophysical Prospecting for Petroleum,2019,58(6):855-863

朱立华,马灵伟,白英哲,等.顺北超深断控体地震多信息约束速度建模［J］.石油物探,2019,58(6):864-873

ZHU Lihua,MA Lingwei,BAI Yingzhe,et al.Velocity modeling of an ultra-deep fault-controlled reservoir in Shunbei area,China,using a multi-information constraint［J］.Geophysical Prospecting for Petroleum,2019,58(6):864-873

郭恺,张永升,冯彦彬.正交各向异性介质多参数建模方法研究［J］.石油物探,2019,58(6):874-881

GUO Kai,ZHANG Yongsheng,FENG Yanbin.Multi-parameter modeling of orthotropic media［J］.Geophysical Prospecting for Petroleum,2019,58(6):874-881

杨勤勇,郭恺,李博,等.TTI各向异性地震成像技术及其在页岩气勘探中的应用［J］.石油物探,2019,58(6):882-889

YANG Qinyong,GUO Kai,LI Bo,et al.Application of TTI anisotropic seismic imaging in shale gas exploration［J］.Geophysical Prospecting for Petroleum,2019,58(6):882-889

刘定进,张永升,段心标,等.三维数据域最小二乘逆时偏移技术研究［J］.石油物探,2019,58(6):890-897

LIU Dingjin,ZHANG Yongsheng,DUAN Xinbiao,et al.Three-dimensional data domain least-squares reverse time migration［J］.Geophysical Prospecting for Petroleum,2019,58(6):890-897

王世星,许凯,唐金良.岩溶缝洞储集体地震聚焦成像与充填速度检测［J］.石油物探,2019,58(6):898-910

WANG Shixing,XU Kai,TANG Jinliang.Seismic focused imaging and filling-velocity prediction of karst fracture-cavern reservoirs［J］.Geophysical Prospecting for Petroleum,2019,58(6):898-910

司文朋,薛诗桂,马灵伟,等.顺北走滑断裂断溶体物理模拟及地震响应特征分析［J］.石油物探,2019,58(6):911-919

SI Wenpeng,XUE Shigui,MA Lingwei,et al.Physical modeling and analysis of the characteristics of the seismic response of strike-slip faults and the associated fracture-dissolution reservoirs in the Shunbei area［J］.Geophysical Prospecting for Petroleum,2019,58(6):911-919

杨小慧,林正良,丁圣,等.压裂改造裂缝网络构建技术及其应用［J］.石油物探,2019,58(6):920-925

YANG Xiaohui,LIN Zhengliang,DING Sheng,et al.A method for building a fracture network and its application［J］.Geophysical Prospecting for Petroleum,2019,58(6):920-925

马妮,林正良,胡华锋,等.页岩地层的破裂压力地震预测方法［J］.石油物探,2019,58(6):926-934

MA Ni,LIN Zhengliang,HU Huafeng,et al.A seismic-based prediction method for fracture pressure in a shale formation［J］.Geophysical Prospecting for Petroleum,2019,58(6):926-934

# 2019年第5期（2019年9月）

曲英铭.起伏地表直接成像技术研究进展［J］.石油物探,2019,58(5):625-644

QU Yingming.Research progress of topographic imaging methods［J］.Geophysical Prospecting for Petroleum,2019,58(5):625-644

宁宏晓,唐东磊,皮红梅,等.国内陆上“两宽一高”地震勘探技术及发展［J］.石油物探,2019,58(5):645-653

NING Hongxiao,TANG Donglei,PI Hongmei,et al.The technology and development of “WBH” seismic exploration in land,China［J］.Geophysical Prospecting for Petroleum,2019,58(5):645-653

杨春,陈本池,翟冠宇,等.薄层反透射系数关于射线参数的低阶近似［J］.石油物探,2019,58(5):-654-660

YANG Chun,CHEN Benchi,ZHAI Guanyu,et al.Low-order approximation of thin-layer reflection and transmission coefficients with respect to ray parameters［J］.Geophysical Prospecting for Petroleum,2019,58(5):654-660

徐振旺.匹配Z变换完全匹配层在孔隙介质弹性波数值模拟中的应用［J］.石油物探,2019,58(5):661-668

XU Zhenwang.Application of matched Z-transform perfectly matched layers in the numerical modeling of elastic waves in porous media［J］.Geophysical Prospecting for Petroleum,2019,58(5):661-668

王谦,石玉江,谭茂金,等.基于孔隙结构分类的致密砂岩含水率计算模型——以鄂尔多斯盆地陇东西部延长组长81储层为例［J］.石油物探,2019,58(5):669-680

WANG Qian,SHI Yujiang,TAN Maojin,et al.Calculation model of water cut for tight sandstone based on pore structure classification:A case study from Chang 81 Reservoir in the Yanchang Formation in the Ordos Basin,China［J］.Geophysical Prospecting for Petroleum,2019,58(5):669-680

李志英,姜福豪,胡超俊,等.基于地震子波相关性分析的采集参数优选方法研究［J］.石油物探,2019,58(5):681-688

LI Zhiying,JIANG Fuhao,HU Chaojun,et al.Determination of an acquisition parameter based on wavelet correlation analysis of raw shot data［J］.Geophysical Prospecting for Petroleum,2019,58(5):681-688

李波,文晓涛,张懿疆,等.基于Lucy-Richardson算法和广义S变换的Q值提取［J］.石油物探,2019,58(5):689-699

LI Bo,WEN Xiaotao,ZHANG Yijiang,et al.Combined generalized S transform and Lucy-Richardson algorithm for Q-value extraction［J］.Geophysical Prospecting for Petroleum,2019,58(5):689-699

张晓语,杜启振,符力耘.基于包络反演的高低波数同步反演方法［J］.石油物探,2019,58(5):700-708

ZHANG Xiaoyu,DU Qizhen,FU Liyun.High and low wavenumber synchronous inversion［J］.Geophysical Prospecting for Petroleum,2019,58(5):700-708

潘树林,陈凯,崔庆辉,等.基于地质统计学的沙漠地区逐点时深曲线静校正方法［J］.石油物探,2019,58(5):709-715

PAN Shulin,CHEN Kai,CUI Qinghui,et al.A point-by-point time-depth curve static correction method based on geostatistics［J］.Geophysical Prospecting for Petroleum,2019,58(5):709-715

张敏,王凯,李振春,等.基于四阶互累积量的fast ICA微地震数据噪声压制方法研究［J］.石油物探,2019,58(5):716-723

ZHANG Min,WANG Kai,LI Zhenchun,et al.Noise suppression of microseismic data based on fourth-order mutual cumulants and Fast ICA methods［J］.Geophysical Prospecting for Petroleum,2019,58(5):716-723

张昊,朱培民,顾元,等.基于深度学习的地震速度谱自动拾取方法［J］.石油物探,2019,58(5):724-733

ZHANG Hao,ZHU Peimin,GU Yuan,et al.Velocity autopicking from seismic velocity spectra based on deep learning［J］.Geophysical Prospecting for Petroleum,2019,58(5):724-733

唐杰,张文征,戚瑞轩,等.基于噪声水平估计的加权核范数最小化噪声压制方法研究［J］.石油物探,2019,58(5):734-740

TANG Jie,ZHANG Wenzheng,QI Ruixuan,et al.Seismic data denoising by weighted nuclear norm minimization based on noise estimation［J］.Geophysical Prospecting for Petroleum,2019,58(5):734-740

陈超群,田媛媛,高秦,等.基于随机函数数据重构的分频异常振幅衰减技术在巨厚黄土塬区的应用［J］.石油物探,2019,58(5):741-749

CHEN Chaoqun,TIAN Yuanyuan,GAO Qin,et al.Frequency division abnormal amplitude attenuation after data reconstruction based on random function and its application in the very thick loess tableland area,Ordos Basin［J］.Geophysical Prospecting for Petroleum,2019,58(5):741-749

刘兴艳,李墨寒,叶泰然.川西侏罗系复杂河道精细刻画及沉积相带识别［J］.石油物探,2019,58(5):750-757

LIU Xingyan,LI Mohan,YE Tairan.Fine characterization of complicated channels in western Sichuan and identification of sedimentary facies［J］.Geophysical Prospecting for Petroleum,2019,58(5):750-757

李久娣,孙莉,魏水建,等.东海海域深层HG组低渗储层“甜点”预测方法及应用［J］.石油物探,2019,58(5):758-765

LI Jiudi,SUN Li,WEI Shuijian,et al.“Sweet Spot” prediction and its application in the low permeability reservoir of the deep HG formation in the East China Sea［J］.Geophysical Prospecting for Petroleum,2019,58(5):758-765

梁志强.不同尺度裂缝的叠后地震预测技术研究［J］.石油物探,2019,58(5):766-772

LIANG Zhiqiang.Poststack seismic prediction techniques for fractures of different scales［J］.Geophysical Prospecting for Petroleum,2019,58(5):766-772

刘仕友,宋炜,应明雄,等.基于密度的含噪声角道集波形聚类地震相分析［J］.石油物探,2019,58(5):773-782

LIU Shiyou,SONG Wei,YING Mingxiong,et al.Seismic facies analysis for angle gathers based on DBSCAN waveform clustering［J］.Geophysical Prospecting for Petroleum,2019,58(5):773-782

# 2019年第4期（2019年7月）

沈鸿雁,王鑫,李欣欣.近地表结构调查及参数反演综述［J］.石油物探,2019,58(4):471-485

SHEN Hongyan,WANG Xin,LI Xinxin.Near-surface structure survey and parameter inversion review［J］.Geophysical Prospecting for Petroleum,2019,58(4):471-485

汪勇,穆鹏飞,蔡文杰,等.五对角紧致差分格式优化及二维声波传播波动方程数值模拟［J］.石油物探,2019,58(4):486-498

WANG Yong,MU Pengfei,CAI Wenjie,et al.Optimized pentadiagonal compact finite difference scheme and 2D acoustic equation numerical simulation［J］.Geophysical Prospecting for Petroleum,2019,58(4):486-498

覃发兵,高志伟,解皓楠,等.完全匹配层在时域有限元弹性波数值模拟中的应用［J］.石油物探,2019,58(4):499-508

QIN Fabing,GAO Zhiwei,XIE Haonan,et al.Application of perfectly matched layer in time-domain finite-element elastic wave modeling［J］.Geophysical Prospecting for Petroleum,2019,58(4):499-508

梁上林,胡天跃,崔栋,等.初至拾取中基于超级虚折射干涉的信号加强［J］.石油物探,2019,58(4):509-516

LIANG Shanglin,HU Tianyue,CUI Dong,et al.Signal enhancement based on super-virtual refraction interferometry in first arrival pickup［J］.Geophysical Prospecting for Petroleum,2019,58(4):509-516

唐杰,温雷,李聪,等.基于多尺度分解的微地震噪声压制与初至检测方法研究［J］.石油物探,2019,58(4):517-523

TANG Jie,WEN Lei,LI Cong,et al.Microseismic noise suppression and onset detection method based on ICEEMD［J］.Geophysical Prospecting for Petroleum,2019,58(4):517-523

陈习峰,薛永安,黄新武.自适应加权混合L1/L2范数匹配相减多次波压制方法［J］.石油物探,2019,58(4):524-532

CHEN Xifeng,XUE Yongan,HUANG Xinwu.Adaptive subtraction for multiples suppression using hybrid L1/ L2 norm［J］.Geophysical Prospecting for Petroleum,2019,58(4):524-532

潘树林,闫柯,杨海飞,等.一种类RNN的改进ISTA稀疏脉冲反褶积［J］.石油物探,2019,58(4):533-540

PAN Shulin,YAN Ke,YANG Haifei,et al.A sparse spike deconvolution method based on Recurrent Neural Network like improved Iterative Shrinkage Thresholding Algorithm［J］.Geophysical Prospecting for Petroleum,2019,58(4):533-540

毛海波,范旭,杨晓海,等.陆上宽频采集叠后地震资料的小波域提高分辨率应用研究［J］.石油物探,2019,58(4):541-546

MAO Haibo,FAN Xu,YANG Xiaohai,et al.Application research on improving the resolution of broadband land post-stack seismic data in wavelet domain［J］.Geophysical Prospecting for Petroleum,2019,58(4):541-546

尚平萍,李鹏,杨安琪,等.基于CEEMDAN的地震信号高分辨率时频分析方法［J］.石油物探,2019,58(4):547-554

SHANG Pingping,LI Peng,et al.YANG Anqi.Seismic high-resolution time-frequency analysis based on CEEMDAN［J］.Geophysical Prospecting for Petroleum,2019,58(4):547-554

杨峰,聂辉,陈洪涛,等.宽频地震数据碳酸盐岩叠前储层预测——以滨里海盆地东缘B区块为例［J］.石油物探,2019,58(4):555-562

YANG Feng,NIE Hui,CHEN Hongtao,et al.Carbonate reservoir prediction with broadband seismic data:A case study from the East Block B of Pre-Caspian Basin［J］.Geophysical Prospecting for Petroleum,2019,58(4):555-562

田建涛,赵超峰,张伟,等.水力压裂井中监测方法不对称压裂裂缝分析［J］.石油物探,2019,58(4):563-571

TIAN Jiantao,ZHAO Chaofeng,ZHANG Wei,et al.Analysis of asymmetric hydraulic fracture for borehole microseismic monitoring［J］.Geophysical Prospecting for Petroleum,2019,58(4):563-571

秦雪霏,齐荣,李巍,等.杭锦旗地区盒1段辫状河道构型及心滩半定量地震识别［J］.石油物探,2019,58(4):572-579

QIN Xuefei,QI Rong,LI Wei,et al.Braided channel architecture analysis and semi-quantitative seismic prediction for channel bars in P1x1 of the Hangjinqi area,Ordos basin,China［J］.Geophysical Prospecting for Petroleum,2019,58(4):572-579

马永强.AVO技术在哥伦比亚Llanos盆地D区块油气检测中的应用研究［J］.石油物探,2019,58(4):572-590

MA Yongqiang.Application of the AVO technique in oil and gas detection in block D,Llanos basin,Colombia［J］.Geophysical Prospecting for Petroleum,2019,58(4):572-590

马光克,李雷,刘巍,等.高密度地震勘探技术在莺歌海盆地M气田岩性勘探中的应用［J］.石油物探,2019,58(4):591-599

MA Guangke,LI Lei,LIU Wei,et al.Application of high-density seismic acquisition technology for lithological exploration of M gas field in the Yinggehai Basin［J］.Geophysical Prospecting for Petroleum,2019,58(4):591-599

宋桂桥.准噶尔盆地巨厚沙漠区地震勘探关键技术及其应用效果［J］.石油物探,2019,58(4):600-612

SONG Guiqiao.Key techniques of seismic exploration in the desert area with very thick low-velocity layer of Junggar Basin,China［J］.Geophysical Prospecting for Petroleum,2019,58(4):600-612

沈建国,舒敦利,沈永进,等.套管井瞬变电磁测井在节箍处的响应与几何因子分析［J］.石油物探,2019,58(4):613-624

SHEN Jianguo,SHU Dunli,SHEN Yongjin,et al.Response of casing hoop and geometry factor to transient electromagnetic logging in cased wells［J］.Geophysical Prospecting for Petroleum,2019,58(4):613-624

# 2019年第3期（2019年5月）

王华忠.“两宽一高”油气地震勘探中的关键问题分析［J］.石油物探,2019,58(3): 313-324

WANG Huazhong.Key problem analysis in seismic exploration based on wide-azimuth,high-density,and broadband seismic data［J］.Geophysical Prospecting for Petroleum,2019,58(3):313-324

张力起,张猛,王华忠,等.高维地震数据Wiener中心滤波方法［J］.石油物探,2019,58(3):325-334

ZHANG Liqi,ZHANG Meng,WANG Huazhong,et al.Centralized Wiener filtering for high-dimensional seismic data［J］.Geophysical Prospecting for Petroleum,2019,58(3):325-334

王福,王华忠.地震数据高维统计滤波方法［J］.石油物探,2019,58(3):335-345

WANG Fu,WANG Huazhong.A high-dimensional statistical filtering method for seismic data［J］.Geophysical Prospecting for Petroleum,2019,58(3):335-345

徐鹏,刘亚辉,王华忠.编码与解码框架下的局部平面波域浅水多次波压制方法［J］.石油物探,2019,58(3):346-355

XU Peng,LIU Yahui,WANG Huazhong.Shallow water multiple suppression method in local planar wave domain based on coding and decoding framework［J］.Geophysical Prospecting for Petroleum,2019,58(3):346-355

罗飞,王华忠,冯波,等.透射波旅行时Beam层析成像方法［J］.石油物探,2019,58(3):356-370

LUO Fei,WANG Huazhong,FENG Bo,et al.Beam tomography based on transmission traveltime［J］.Geophysical Prospecting for Petroleum,2019,58(3):356-370

冯波,吴成梁,王华忠.反射波层析反演速度建模方法［J］.石油物探,2019,58(3):371-380

FENG Bo,WU Chengliang,WANG Huazhong.Velocity model building using reflection tomography［J］.Geophysical Prospecting for Petroleum,2019,58(3):371-380

吴成梁,王华忠,胡江涛,等.基于数据自适应加权的叠前深度偏移成像方法［J］.石油物探,2019,58(3):381-390

WU Chengliang,WANG Huazhong,HU Jiangtao,et al.Pre-stack depth migration based on data-adaptive weighting［J］.Geophysical Prospecting for Petroleum,2019,58(3):381-390

周阳,王华忠.基于高频近似波传播的实用化保真RTM成像方法［J］.石油物探,2019,58(3):391-403

ZHOU Yang,WANG Huazhong.On practical implementation of amplitude-preserving reverse time migration based on asymptotic approximation ［J］.Geophysical Prospecting for Petroleum,2019,58(3):391-403

郭颂,王华忠,胡江涛.基于非平稳滤波算子的成像域最小二乘偏移［J］.石油物探,2019,58(3):404-411

GUO Song,WANG Huazhong,HU Jiangtao.Least-squares migration in image domain using nonstationary matching filter［J］.Geophysical Prospecting for Petroleum,2019,58(3):404-411

郭恺,杨林.一种新的TTI介质多参数联合层析反演方法［J］.石油物探,2019,58(3):412-418

GUO Kai,YANG Lin.A new multi-parameter joint tomography inversion method for TTI medium［J］.Geophysical Prospecting for Petroleum,2019,58(3):412-418

李慧,韩立国,张良,等.基于字典学习和ADMM的地震数据重建［J］.石油物探,2019,58(3):419-426

LI Hui,HAN Liguo,ZHANG Liang,et al.Seismic data reconstruction using dictionary learning and the alternating direction method of multipliers［J］.Geophysical Prospecting for Petroleum,2019,58(3):419-426

李江.基于奇异值分解的角度域去噪方法［J］.石油物探,2019,58(3):427-432

LI Jiang.Seismic denoising in the angle domain based on singular value decomposition［J］.Geophysical Prospecting for Petroleum,2019,58(3):427-432

陈生昌.用于地震反射数据偏移的反射波方程［J］.石油物探,2019,58(3):433-443

CHEN Shengchang.Reflection wave equations for the migration of seismic reflected data［J］.Geophysical Prospecting for Petroleum,2019,58(3):433-443

李久娣.东海西湖N区块致密砂岩气藏甜点预测研究［J］.石油物探,2019,58(3):444-452

LI Jiudi.“Sweet Spot” prediction of a tight sandstone gas reservoir in the N Block in Xihu Sag,China［J］.Geophysical Prospecting for Petroleum,2019,58(3):444-452

许杰,刘坤岩,武清钊.焦石坝页岩脆性评价与预测［J］.石油物探,2019,58(3):453-460

XU Jie,LIU Kunyan,WU Qingzhao.Evaluation and prediction of shale brittleness in the Jiaoshiba area［J］.Geophysical Prospecting for Petroleum,2019,58(3):453-460

邓吉锋,王改卫,潘永,等.基于CRP道集优化处理的叠前AVA同步反演技术的应用［J］.石油物探,2019,58(3):461-470

DENG Jifeng,WANG Gaiwei,PAN Yong,et al.Prestack AVA simultaneous inversion based on optimized CRP gathers:A case study from the KL9 tectonic region,China［J］.Geophysical Prospecting for Petroleum,2019,58(3):461-470

# 2019年第2期（2019年3月）

董世泰,张研.成熟探区物探技术发展方向——以中石油成熟探区为例［J］.石油物探,2019,58(2): 155-161

DONG Shitai,ZHANG Yan.Geophysical technical development direction of mature exploration areas:A case study from a mature exploration area of PetroChina［J］.Geophysical Prospecting for Petroleum,2019,58(2): 155-161

黄小刚.浅谈海上压缩感知地震勘探［J］.石油物探,2019,58(2):162-175

HUANG Xiaogang.Offshore seismic exploration based on compressive sensing［J］.Geophysical Prospecting for Petroleum,2019,58(2):162-175

周诚尧,汪勇,蔡伟祥,等.二维地震波场的五点八阶超紧致有限差分数值模拟［J］.石油物探,2019,58(2):176-186

ZHOU Chengyao,WANG Yong,CAI Weixiang,et al.Numerical simulation of 2D seismic wavefield using fifth-point eighth-order super compact difference scheme［J］.Geophysical Prospecting for Petroleum,2019,58(2):176-186

张奎涛,顾汉明,刘少勇,等.基于CPML-RML组合边界条件粘弹TTI介质旋转交错网格有限差分正演模拟［J］.石油物探,2019,58(2): 187-198

ZHANG Kuitao,GU Hanming,LIU Shaoyong,et al.Rotated staggered grid finite difference forward modeling for wave propagation in viscoelastic TTI media based on CPML-RML combined boundary condition［J］.Geophysical Prospecting for Petroleum,2019,58(2):187-198

任浩,李宗杰,薛姣,等.基于稀疏反演的多道匹配追踪地震信号去噪方法及其应用［J］.石油物探,2019,58(2):199-207

REN Hao,LI Zongjie,XUE Jiao,et al.Multichannel matching pursuit based on sparse inversion for seismic data denoising and its application［J］.Geophysical Prospecting for Petroleum,2019,58(2):199-207

孙苗苗,李振春,曲英铭,等.基于曲波域稀疏约束的OVT域地震数据去噪方法研究［J］.石油物探,2019,58(2):208-218

SUN Miaomiao,LI Zhenchun,QU Yingming,et al.A seismic denoising method based on curvelet transform with sparse constraint in OVT domain［J］.Geophysical Prospecting for Petroleum,2019,58(2):208-218

兰天维,韩立国,张良.基于压缩感知的L1范数谱投影梯度算法地震数据重建［J］.石油物探,2019,58(2):219-228

LAN Tianwei,HAN Liguo,ZHANG Liang.Seismic data reconstruction based on spectral projection gradient L1 algorithm via compressive sensing［J］.Geophysical Prospecting for Petroleum,2019,58(2):219-228

何兵红,方伍宝,刘定进,等.基于波动方程转换的时间域多尺度全波形反演速度建模［J］.石油物探,2019,58(2):229-236

HE Binghong,FANG Wubao,LIU Dingjin,et al.Velocity building by multi-scale full waveform inversion with time-domain wave equation transform［J］.Geophysical Prospecting for Petroleum,2019,58(2):229-236

李博,刘志成,李小爱,等.基于复数域波场分解的保幅逆时偏移成像方法［J］.石油物探,2019,58(2):237-244

LI Bo,LIU Zhicheng,LI Xiaoai,et al.Wavefield decomposition in complex domain-based amplitude-preserved reverse time migration［J］.Geophysical Prospecting for Petroleum,2019,58(2):237-244

田文彬,张凯,李振春.平面波最小二乘逆时偏移方法的优化［J］.石油物探,2019,58(2):245-252

TIAN Wenbin,ZHANG Kai,LI Zhenchun.Optimization of plane wave least squares reverse time migration［J］.Geophysical Prospecting for Petroleum,2019,58(2):245-252

李勇,张固澜,何承杰,等.基于高精度时频瞬时相位谱的多尺度曲率及其应用［J］.石油物探,2019,58(2):253-261

LI Yong,ZHANG Gulan,HE Chengjie,et al.Multiscale curvature via high-precision time-frequency instantaneous phase spectrum and its application［J］.Geophysical Prospecting for Petroleum,2019,58(2):253-261

缪思钰,张海江,陈余宽,等.基于微地震定位和速度成像的页岩气水力压裂地面微地震监测［J］.石油物探,2019,58(2):262-271

MIAO Siyu,ZHANG Haijiang,CHEN Yukuan,et al.Surface microseismic monitoring of shale gas hydraulic fracturing based on microseismic location and tomography［J］.Geophysical Prospecting for Petroleum,2019,58(2):262-271

方圆,张丰麒,李玉凤.基于YPD-Zoeppritz方程的杨氏模量和泊松比直接反演方法［J］.石油物探,2019,58(2):272-284

FANG Yuan,ZHANG Fengqi,LI Yufeng.Direct inversion of Youngs modulus and Poissons ratio based on the YPD-Zoeppritz equation［J］.Geophysical Prospecting for Petroleum,2019,58(2):272-284

张伟忠,谭明友,张云银,等.S油田高89区块基于AVO属性的CO2驱油波及范围地震监测［J］.石油物探,2019,58(2):285-291

ZHANG Weizhong,TAN Mingyou,ZHANG Yunyin,et al.Seismic detection of the CO2 flooding extent based on the AVO attributes in the G89 area in S oilfield,China［J］.Geophysical Prospecting for Petroleum,2019,58(2):285-291

刘畅,王翔,赵长虎,等.沁水盆地南部山西组致密砂岩古构造应力场模拟及裂缝预测［J］.石油物探,2019,58(2):292-302

LIU Chang,WANG Xiang,ZHAO Changhu,et al.Paleotectonic stress field simulation and fracture prediction of tight sandstone in the Shanxi Formation,southern Qinshui Basin,China［J］.Geophysical Prospecting for Petroleum,2019,58(2):292-302

宋桂桥,杨振升,薛野.中石化下扬子地区油气地震勘探攻关进展及方向［J］.石油物探,2019,58(2):303-312

SONG Guiqiao,YANG Zhensheng,XUE Ye.Progress and direction of seismic exploration in the SINOPEC Lower Yangtze area,China［J］.Geophysical Prospecting for Petroleum,2019,58(2):303-312

# 2019年第1期（2019年1月）

王华忠,郭颂,周阳.“两宽一高”地震数据下的宽带波阻抗建模技术［J］.石油物探,2019,58(1):1-8

WANG Huazhong,GUO Song,ZHOU Yang.Broadband acoustic impedance model building for broadband,wide-azimuth,and high-density seismic data［J］.Geophysical Prospecting for Petroleum,2019,58(1):1-8

曹俊兴,薛雅娟,田仁飞,等.深层碳酸盐岩储层含气性检测方法技术研究［J］.石油物探,2019,58(1):9-16

CAO Junxing,XUE Yajuan,TIAN Renfei,et al.Advances in hydrocarbon detection in deep carbonate reservoirs［J］.Geophysical Prospecting for Petroleum,2019,58(1):9-16

赵正阳,印兴耀,宗兆云.含横向喷射流的部分饱和介质的纵波衰减和频散特性研究［J］.石油物探,2019,58(1):17-26

ZHAO Zhengyang,YIN Xingyao,ZONG Zhaoyun.Attenuation and dispersion characteristics of P wave in partially-saturated media with transverse squirt flow［J］.Geophysical Prospecting for Petroleum,2019,58(1):17-26

魏新建,李书平,陈德武,等.复杂区域地震采集质量评价技术及其应用［J］.石油物探,2019,58(1):27-33

WEI Xinjian,LI Shuping,CHEN Dewu,et al.Evaluation of seismic acquisition quality in complex area［J］.Geophysical Prospecting for Petroleum,2019,58(1):27-33

王立歆,林伯香.复杂近地表探区静校正量的地表一致性融合技术［J］.石油物探,2019,58(1):34-42

WANG Lixin,LIN Boxiang.Surface-consistent integration of different versions of statics in complicated near surface［J］.Geophysical Prospecting for Petroleum,2019,58(1):34-42

胡永泉,黄建波,田志华,等.基于单道SVD和振幅比的地面微地震资料去噪方法［J］.石油物探,2019,58(1):43-52

HU Yongquan,HUANG Jianbo,TIAN Zhihua,et al.Ground microseismic data denoising based on single-channel singular value decomposition and amplitude ratio［J］.Geophysical Prospecting for Petroleum,2019,58(1):43-52

李博.OVT域地震数据规则化技术及应用［J］.石油物探,2019,58(1):53-62

LI Bo.Seismic data regularization in the OVT domain and its application［J］.Geophysical Prospecting for Petroleum,2019,58(1):53-62

彭海龙,邓勇,赫建伟,等.基于多窗口自适应双边滤波去噪方法研究与应用［J］.石油物探,2019,58(1):63-70

PENG Hailong,DENG Yong,HE Jianwei,et al.Post-stack seismic data denoising based on multi-window adaptive bilateral filtering and its application［J］.Geophysical Prospecting for Petroleum,2019,58(1):63-70

王本锋,陈小宏,耿建华.地震数据POCS插值重建中的一种新型质量控制准则［J］.石油物探,2019,58(1):71-77

WANG Benfeng,CHEN Xiaohong,GENG Jianhua.A novel quality control criterion in the POCS interpolation of seismic data［J］.Geophysical Prospecting for Petroleum,2019,58(1):71-77

王雪君,任浩然,江金生,等.基于点扩散函数的黏声介质反演成像［J］.石油物探,2019,58(1):78-87

WANG Xuejun,REN Haoran,JIANG Jinsheng,et al.Inversion imaging based on point spreading function for visco-acoustic medium［J］.Geophysical Prospecting for Petroleum,2019,58(1):78-87

柯璇,石颖,张伟,等.基于多线程多GPU并行加速的最小二乘逆时偏移算法［J］.石油物探,2019,58(1):88-102

KE Xuan,SHI Ying,ZHANG Wei,et al.Least-squares reverse time migration based on multi-thread and multi-GPU parallel acceleration［J］.Geophysical Prospecting for Petroleum,2019,58(1):88-102

韩璇颖,印兴耀,曹丹平,等.基于分段快速模拟退火的零偏VSP全波形反演［J］.石油物探,2019,58(1):103-111

HAN Xuanying,YIN Xingyao,CAO Danping,et al.Zero-offset VSP velocity inversion with FWI using segmented fast simulated annealing［J］.Geophysical Prospecting for Petroleum,2019,58(1):103-111

郭凯,范乐元,李洋,等.阿姆河右岸H区块致密碳酸盐岩储层裂缝综合预测［J］.石油物探,2019,58(1):112-122

GUO Kai,FAN Leyuan,LI Yang,et al.Comprehensive prediction of fracture of tight carbonate reservoir in the H Block of Amu Darya Right Bank,Turkmenistan［J］.Geophysical Prospecting for Petroleum,2019,58(1):112-122

刘力辉,陆蓉,杨文魁.基于深度学习的地震岩相反演方法［J］.石油物探,2019,58(1):123-129

LIU Lihui,LU Rong,YANG Wenkui.Seismic lithofacies inversion based on deep learning［J］.Geophysical Prospecting for Petroleum,2019,58(1):123-129

郑江峰,彭刚,孙佳林,等.基于90°相移的振幅和频率属性融合法油气检测［J］.石油物探,2019,58(1):130-138

ZHENG Jiangfeng,PENG Gang,SUN Jialin,et al.Fusing amplitude and frequency attributes for hydrocarbon detection using 90° phase shift data［J］.Geophysical Prospecting for Petroleum,2019,58(1):130-138

申珍珍,潘仁芳,金吉能,等.巴中地区千佛崖组致密砂岩储层裂缝与含气性的关系［J］.石油物探,2019,58(1):139-148

SHEN Zhenzhen,PAN Renfang,JIN Jineng,et al.Relationship between gas bearing capacity and fractures of tight sandstone reservoir in Qianfoya formation in Bazhong area,China［J］.Geophysical Prospecting for Petroleum,2019,58(1):139-148

王震,文欢,邓光校,等.塔河油田碳酸盐岩断溶体刻画技术研究与应用［J］.石油物探,2019,58(1):149-154

WANG Zhen,WEN Huan,DENG Guangxiao,et al.Fault-karst characterization technology in the Tahe Oilfield,China［J］.Geophysical Prospecting for Petroleum,2019,58(1):149-154

# 2018年第6期（2018年11月）

杨勤勇,段心标.最小二乘偏移研究现状及发展趋势［J］.石油物探,2018,57(6):795-802

YANG Qinyong,DUAN Xinbiao.Research status and development trend of least square migration［J］.Geophysical Prospecting for Petroleum,2018,57(6): 795-802

秦建强,付德亮,钱亚芳,等.烃源岩有机质丰度预测的地球物理研究进展［J］.石油物探,2018,57(6): 803-812

QIN Jianqiang,FU Deliang,QIAN Yafang,et al.Progress of geophysical methods for the evaluation of TOC of source rock［J］.Geophysical Prospecting for Petroleum,2018,57(6): 803-812

梁锴,金世勋,印兴耀.TTI介质弹性波相速度的一般性近似［J］.石油物探,2018,57(6):813-822

LIANG Kai,KIM Sehun,YIN Xingyao.General approximation of phase velocity for elastic waves in TTI media［J］.Geophysical Prospecting for Petroleum,2018,57(6):813-822

吴学兵.面向宽频采集的新型检波器研发与应用［J］.石油物探,2018,57(6):823-830

WU Xuebing.Development of a novel accelerometer sensor for broadband seismic acquisition［J］.Geophysical Prospecting for Petroleum,2018,57(6):823-830

吕公河,邸志欣,霍守东,等.基于压缩感知的地震数据采集实践［J］.石油物探,2018,57(6):831-841

LV Gonghe,DI Zhixin,HUO Shoudong,et al.Seismic data acquisition based on compressive sensing［J］.Geophysical Prospecting for Petroleum,2018,57(6):831-841

张新东,罗斌,周翼.面向勘探目标基于反射纵波成像照明的VSP采集设计技术［J］.石油物探,2018,57(6):842-852

ZHANG Xindong,LUO Bin,ZHOU Yi.VSP survey design based on seismic imaging illumination of VSP up-going P-wave for exploration targets［J］.Geophysical Prospecting for Petroleum,2018,57(6):842-852

杨金龙,朱立华.逆散射级数层间多次波压制方法及其应用［J］.石油物探,2018,57(6):853-861

YANG Jinlong,ZHU Lihua.Inverse scattering series internal multiple attenuation method and its application［J］.Geophysical Prospecting for Petroleum,2018,57(6):853-861

韩卫雪,周亚同,池越.基于深度学习卷积神经网络的地震数据随机噪声去除［J］.石油物探,2018,57(6):862-869

HAN Weixue,ZHOU Yatong,CHI Yue.Deep learning convolutional neural networks for random noise attenuation in seismic data［J］.Geophysical Prospecting for Petroleum,2018,57(6):862-869

蒋立,陈勇,肖艳玲,等.地表过渡带近地表Q补偿与地表一致性反褶积处理效果对比研究［J］.石油物探,2018,57(6):870-877

JINAG Li,CHEN Yong,XIAO Yanling,et al.A comparison of near-surface Q compensation and surface-consistent deconvolution in the near-surface transition zone［J］.Geophysical Prospecting for Petroleum,2018,57(6):870-877

李强,尹成,王俊力,等.基于天然裂缝破坏行为的页岩储层压裂微地震事件预测［J］.石油物探,2018,57(6):878-883

LI Qiang,YIN Cheng,WANG Junli,et al.Prediction of microseismic events in a fractured shale reservoir based on natural fracture failure behavior［J］.Geophysical Prospecting for Petroleum,2018,57(6):878-883

李海山,杨午阳.基于平面波解构的三维体曲率计算方法［J］.石油物探,2018,57(6):884-891

LI Haishan,YANG Wuyang.Computation of 3D volumetric curvature based on plane-wave destruction［J］.Geophysical Prospecting for Petroleum,2018,57(6):884-891

胡华锋,鲍典,马灵伟,等.基于高频衰减梯度的碳酸盐岩溶洞储集体规模识别方法［J］.石油物探,2018,57(6):892-901

HU Huafeng,BAO Dian,MA Lingwei,et al.Scale characterization of carbonate karst cave reservoirs based on high-frequency attenuation gradient:A case study from karst paleochannels reservoirs in Tahe oilfield,China［J］.Geophysical Prospecting for Petroleum,2018,57(6):892-901

马跃华,周宗良,李振永,等.薄层分类及其地震响应分析——以大港油田两个应用研究为例［J］.石油物探,2018,57(6):902-913

MA Yuehua,ZHOU Zongliang,LI Zhenyong,et al.Classification and seismic response analysis of thin bed:Two cases study from Dagang oilfield,China［J］.Geophysical Prospecting for Petroleum,2018,57(6):902-913

陈楠,徐雷鸣,宋志翔,等.叠前P波方位各向异性裂缝检测软件研制与应用［J］.石油物探,2018,57(6):914-926

CHEN Nan,XU Leiming,SONG Zhixiang,et al.Development and application of prestack seismic fracture detection software based on P-wave azimuthal anisotropy［J］.Geophysical Prospecting for Petroleum,2018,57(6):914-926

王智,吴爱平,李刚.起伏地表条件下的井中激电井地观测正演模拟研究［J］.石油物探,2018,57(6):927-935

WANG Zhi,WU Aiping,LI Gang.Forward modeling of borehole-ground induced polarization method under undulating topography［J］.Geophysical Prospecting for Petroleum,2018,57(6):927-935

徐方慧,王祝文,刘菁华,等.基于EMD的声波测井信息提取与火成岩裂缝地层特征分析［J］.石油物探,2018,57(6):936-943

XU Fanghui,WANG Zhuwen,LIU Jinghua,et al.Acoustic logging information extraction and fractural volcanic formation characteristics based on empirical mode decomposition［J］.Geophysical Prospecting for Petroleum,2018,57(6):936-943

倪小威,徐思慧,别康,等.洞穴型储层阵列侧向测井仪器响应特性研究［J］.石油物探,2018,57(6):944-951

NI Xiaowei,XU Sihui,BIE Kang,et al.Response characteristics of array laterolog logging instrument from cavernous reservoir［J］.Geophysical Prospecting for Petroleum,2018,57(6):944-951

# 2018年第5期（2018年9月）

陈生昌.基于地震波方程的地震数据波形偏移与最小二乘波形偏移方法［J］.石油物探,2018,57(5):637-646

CHEN Shengchang.Waveform migration and least-squares waveform migration of seismic data based on seismic wave equation［J］.Geophysical Prospecting for Petroleum,2018,57(5): 637-646

杨孔庆,罗明秋,李幼铭.地震波传播的黎曼几何描述［J］.石油物探,2018,57(5):647-651

YANG Kongqing,LUO Mingqiu,LI Youming.Riemann geometric description of seismic wave propagation［J］.Geophysical Prospecting for Petroleum,2018,57(5):647-651

唐杰,张文征,温雷,等.各向异性HTI介质中的剪张源矩张量特征研究［J］.石油物探,2018,57(5):652-657

TANG Jie,ZHANG Wenzheng,WEN Lei,et al.Characteristics of moment tensor of shear-tensile source in HTI anisotropic media［J］.Geophysical Prospecting for Petroleum,2018,57(5): 652-657

张秉铭,刘致水,刘俊州,等.富有机质泥页岩岩石物理横波速度预测方法研究［J］.石油物探,2018,57(5):658-667

ZHANG Bingming,LIU Zhishui,LIU Junzhou,et al.A new S-wave velocity estimation method for organic-enriched shale［J］.Geophysical Prospecting for Petroleum,2018,57(5):658-667

任朝发,赵海波,陈百军,等.地面微地震监测采集观测系统定位精度的影响因素分析［J］.石油物探,2018,57(5):668-677

REN Chaofa,ZHAO Haibo,CHEN Baijun,et al.Analysis of location precision factors in surface microseismic monitoring acquisition geometry:A case study of an SZ exploration area in Daqing,China［J］.Geophysical Prospecting for Petroleum,2018,57(5):668-677

丁冠东,张小明,陈浩林,等.激发深度和检波器耦合对近地表Q值估算的影响分析［J］.石油物探,2018,57(5):678-684

DING Guandong,ZHANG Xiaoming,CHEN Haolin,et al.Effects of excitation depth and geophone coupling on near-surface Q value estimation［J］.Geophysical Prospecting for Petroleum,2018, 57(5):678-684

翟桐立,马雄,彭雪梅,等.基于井地一体化测量的近地表品质因子Q值估算与应用［J］.石油物探,2018,57(5):685-690

ZHAI Tongli,MA Xiong,PENG Xuemei,et al.Near-surface Q factor measurements by combining surface and cross-hole seismic surveys［J］.Geophysical Prospecting for Petroleum,2018,57(5):685-690

周松,霍守东,胡立新,等.可控震源独立同步扫描高效地震采集资料噪声压制方法［J］.石油物探,2018,57(5):691-696

ZHOU Song,HUO Shoudong,HU Lixin,et al.Denoising for seismic data from vibroseis independent simultaneous sweeping［J］.Geophysical Prospecting for Petroleum,2018, 57(5):691-696

逯宇佳,曹俊兴,田仁飞,等.基于动态时间规整ICA算法地震随机噪声压制［J］.石油物探,2018,57(5):697-704

LU Yujia,CAO Junxing,TIAN Renfei,et al.Seismic random noise suppression based on independent component analysis improved by dynamic time warping［J］.Geophysical Prospecting for Petroleum,2018,57(5):697-704

何兵红,方伍宝,胡光辉,等.声波方程参数化模式及多参数全波形反演去耦合化策略［J］.石油物探,2018,57(5):705-716

HE Binghong,FANG Wubao,HU Guanghui,et al.Parameterization of acoustic wave equation and strategy for multi-parameter full waveform inversion［J］.Geophysical Prospecting for Petroleum,2018,57(5):705-716

李海英,白志钊,于光明,等.塔河常规三维与三分量三维纵波成像能力对比［J］.石油物探,2018,57(5):717-725

LI Haiying,BAI Zhizhao,YU Guangming,et al.Comparison of the P-wave imaging capability from conventional 3D and 3D3C seismic data in the Tahe Oilfield［J］.Geophysical Prospecting for Petroleum,2018,57(5):717-725

蒋旭东,曹俊兴,胡江涛.基于结构导向的层位自动追踪［J］.石油物探,2018,57(5):726-732

JIANG Xudong,CAO Junxing,HU Jiangtao.Structure-oriented automatic horizons tracking［J］.Geophysical Prospecting for Petroleum,2018,57(5):726-732

邱玥,孙成禹,唐杰.基于优化fastICA盲源分离算法的地震属性融合方法研究［J］.石油物探,2018,57(5):733-743

QIU Yue,SUN Chengyu,TANG Jie.Seismic attribute fusion approach using optimized fastICA-based blind source separation algorithm［J］.Geophysical Prospecting for Petroleum,2018, 57(5): 733-743

徐海,都小芳,高君,等.基于波形聚类的沉积微相定量解释技术研究［J］.石油物探,2018,57(5):744-755

XU Hai,DU Xiaofang,GAO Jun,et al.Quantitative interpretation of sedimentary microfacies based on waveform clustering:a case study of X oilfield,Middle East［J］.Geophysical Prospecting for Petroleum,2018,57(5):744-755

张显文,曹树春,聂妍,等.地震多属性孔隙因子参数反演及其在伊拉克M油田碳酸盐岩储层预测中的应用［J］.石油物探,2018,57(5):756-763

ZHANG Xianwen,CAO Shuchun,NIE Yan,et al.Seismic multi-attribute inversion for pore-sensitive factor and its application in carbonate reservoir prediction of M oilfield in Iraq［J］.Geophysical Prospecting for Petroleum,2018,57(5):756-763

李相文,冯许魁,刘永雷,等.塔中地区奥陶系走滑断裂体系解剖及其控储控藏特征分析［J］.石油物探,2018,57(5):764-774

LI Xiangwen,FENG Xukui,LIU Yonglei,et al.Characteristic of the strike-slip faults system and effect of faults on reservoir and hydrocarbon accumulation in Tazhong area,China［J］.Geophysical Prospecting for Petroleum,2018,57(5):764-774

王璞珺,何凯伦,衣健,等.中基性岩系火山地层、架构和储层:松辽盆地埋藏古火山与长白山现代火山对比研究［J］.石油物探,2018,57(5):775-787

WANG Pujun,HE Kailun,YI Jian,et al.Volcanostratigraphy,volcanic architecture and reservoir of intermediate-mafic volcanic rocks:A comparison between buried Cretaceous volcanoes in the Songliao Basin and the modern volcanoes in Changbai Mountain［J］.Geophysical Prospecting for Petroleum,2018,57(5):775-787

刘军,王鹏程,陈军,等.地震沉积学技术在库车坳陷南斜坡白垩系砂体尖灭线识别中的应用［J］.石油物探,2018,57(5):788-794

LIU Jun,WANG Pengcheng,CHEN Jun,et al.Identification of the Cretaceous sandbody pinchout line in the south slope of Kuqa Depression,China,via seismic sedimentology［J］.Geophysical Prospecting for Petroleum,2018,57(5):788-794

# 2018年第4期（2018年7月）

印兴耀,马妮,马正乾,等.地应力预测技术的研究现状与进展［J］.石油物探,2018,57(4):488-504

YIN Xingyao,MA Ni,MA Zhengqian,et al.Review of in-situ stress prediction technology［J］.Geophysical Prospecting for Petroleum,2018,57(4):488-504

刘洪,黄继伟,袁雨欣.横向非均匀弹性介质中波传播的线性预测理论［J］.石油物探,2018,57(4):505-511

LIU Hong,HUANG Jiwei,YUAN Yuxin.Linear prediction theory for wave propagation in laterally inhomogeneous elastic media［J］.Geophysical Prospecting for Petroleum,2018,57(4):505-511

高静怀,刘乃豪,吕奇,等.薄互层型油气储层同步挤压变换域分析方法［J］.石油物探,2018,57(4):512-521

GAO Jinghuai,LIU Naihao,LV Qi,et al.Characterization of thin interbedded reservoir using synchrosqueezing transform［J］.Geophysical Prospecting for Petroleum,2018,57(4):512-521

曹健,陈景波.弹性波有限差分模拟中自由表面的自适应表达［J］.石油物探,2018,57(4):522-530

CAO Jian,CHEN JingBo.Adaptive free-surface expression for elastic wave finite-difference modeling［J］.Geophysical Prospecting for Petroleum,2018,57(4):522-530

俞度立,Bernard MAECHLER,王之洋.检波器评估系统——一致性函数,相关运算以及传递函数分析［J］.石油物探,2018,57(4):531-536

YU Duli,Bernard MAECHLER,WANG Zhiyang.Sensor evaluation system:coherence function,correlation,and transfer function analysis［J］.Geophysical Prospecting for Petroleum,2018,57(4):531-536

李成博,张宇.CSI:基于压缩感知的高精度高效率地震资料采集技术［J］.石油物探,2018,57(4):537-542

LI Chengbo,ZHANG Yu.CSI:An efficient high-resolution seismic acquisition technology based on compressive sensing［J］.Geophysical Prospecting for Petroleum,2018,57(4):537-542

邹振,张立彬,王秀松,等.采集脚印自适应压制方法［J］.石油物探,2018,57(4):543-548

ZOU Zhen,ZHANG Libin,WANG Xiusong,et al.Adaptive suppression for seismic acquisition footprints［J］.Geophysical Prospecting for Petroleum,2018,57(4):543-548

舒国旭,吕公河,吕尧,等.基于压缩感知的地震数据重建［J］.石油物探,2018,57(4):549-554

SHU Guoxu,LV Gonghe,LV Yao,et al.Seismic data reconstruction based on compressive sensing［J］.Geophysical Prospecting for Petroleum,2018,57(4):549-554

王美霞,张晓慧,张钋,等.波场分解算法与逆时偏移角道集［J］.石油物探,2018,57(4):555-569

WANG Meixia,ZHANG Xiaohui, ZHANG Po,et al.Wavefield decomposition and RTM angle gathers［J］.Geophysical Prospecting for Petroleum,2018,57(4):555-569

张钋,汪道柳,徐昇,等.井震深度差约束条件下的TTI介质速度建模方法［J］.石油物探,2018,57(4):570-575

ZHANG Po,WANG Daoliu,XU Sheng,et al.Velocity model building with well mis-tie extension in TTI media［J］.Geophysical Prospecting for Petroleum,2018,57(4):570-575

陈树民,刘礼农,张剑峰,等.一种补偿介质吸收叠前时间偏移技术［J］.石油物探,2018,57(4):576-583

CHEN Shumin,LIU Linong, ZHANG Jianfeng,et al.A deabsorption prestack time migration technology［J］.Geophysical Prospecting for Petroleum,2018,57(4):576-583

包乾宗,陈俊霓,吴浩.基于地震数据包络的多尺度全波形反演方法［J］.石油物探,2018,57(4):584-591

BAO Qianzong,CHEN Junni,WU Hao.Multi-scale full waveform inversion based on logarithmic envelope of seismic data［J］.Geophysical Prospecting for Petroleum,2018,57(4):584-591

胡光辉,李熙盛,郭丽,等.构造约束全波形反演及其海上资料应用［J］.石油物探,2018,57(4):592-596

HU Guanghui,LI Xisheng,GUO Li,et al.Structure-constrained full waveform inversion and its application in marine seismic data［J］.Geophysical Prospecting for Petroleum,2018,57(4):592-596

张向君,张晔.基于支持向量机的交互检验储层预测［J］.石油物探,2018,57(4):597-600

ZHANG Xiangjun,ZHANG Ye.Reservoir prediction through cross-validation based on support vector machine［J］.Geophysical Prospecting for Petroleum,2018,57(4):597-600

林年添,付超,张栋,等.无监督与监督学习下的含油气储层预测［J］.石油物探,2018,57(4):601-610

LIN Niantian,FU Chao,ZHANG Dong,et al.Supervised learning and unsupervised learning for hydrocarbon prediction using multiwave seismic data［J］.Geophysical Prospecting for Petroleum,2018,57(4):601-610

刘喜武,刘宇巍,刘志远,等.页岩层系天然裂缝地震预测技术研究［J］.石油物探,2018,57(4):611-617

LIU Xiwu,LIU Yuwei,LIU Zhiyuan,et al.Seismic prediction of natural fractures in series of shale oil reservoirs［J］.Geophysical Prospecting for Petroleum,2018,57(4):611-617

吴正阳,莫修文,柳建华,等.裂缝性储层分级评价中的卷积神经网络算法研究与应用［J］.石油物探,2018,57(4):618-626

WU Zhengyang,MO Xiuwen,LIU Jianhua,et al.Convolutional neural network algorithm for classification evaluation of fractured reservoirs［J］.Geophysical Prospecting for Petroleum,2018,57(4):618-626

杨学民,彭成斌.降低钻井风险和增加储层钻遇率的地震导向钻井新技术［J］.石油物探,2018,57(4):627-636

YANG Sherman, PENG Chuck.Seismic guided drilling:a technology to reduce drilling risk and increase drilling success rate［J］.Geophysical Prospecting for Petroleum,2018,57(4):627-636

# 2018年第3期（2018年5月）

杜向东.中国海上地震勘探技术新进展［J］.石油物探,2018,57(3):321-331

DU Xiangdong.Progress of seismic exploration technology in offshore China［J］.Geophysical Prospecting for Petroleum,2018,57(3):321-331

李丹,欧成华,马中高,等.黄铁矿与页岩的相互作用及其对页岩气富集与开发的意义［J］.石油物探,2018,57(3):332-343

LI Dan,OU Chenghua,MA Zhonggao,et al.Pyrite-shale interaction in shale gas enrichment and development［J］.Geophysical Prospecting for Petroleum,2018,57(3):332-343

靳平平,欧成华,马中高,等.蒙脱石与相关黏土矿物的演变规律及其对页岩气开发的影响［J］.石油物探,2018,57(3):344-355

JIN Pingping,OU Chenghua,MA Zhonggao,et al.Evolution of montmorillonite and its related clay minerals and their effects on shale gas development［J］.Geophysical Prospecting for Petroleum,2018,57(3):344-355

李忠平,李以严,周从业,等.涪陵焦石坝三维工区高精度速度建场方法［J］.石油物探,2018,57(3):356-361

LI Zhongping,LI Yiyan,ZHOU Congye,et al.High precision velocity field building in the Jiaoshiba 3D seismic survey area of the Fuling shale gas field［J］.Geophysical Prospecting for Petroleum,2018,57(3):356-361

胡华锋,胡起,林正良.页岩气储层地层压力预测方法及其在四川盆地的应用［J］.石油物探,2018,57(3):362-368

HU Huafeng,HU Qi,LIN Zhengliang.Pore pressure prediction for shale gas reservoirs and its application in the Sichuan Basin,China［J］.Geophysical Prospecting for Petroleum,2018,57(3):362-368

查树贵,刘利平,廖朋,等.水平井地震地质导向技术及其在涪陵页岩气田的应用［J］.石油物探,2018,57(3):369-377

ZHA Shugui,LIU Liping,LIAO Peng,et al.Seismic geo-steering technology of horizontal well and its application in Fuling shale gas field［J］.Geophysical Prospecting for Petroleum,2018,57(3): 369-377

李世中,孙成禹,彭鹏鹏.可变交错网格优化差分系数法地震波正演模拟［J］.石油物探,2018,57(3):378-388

LI Shizhong,SUN Chengyu,PENG Pengpeng.Seismic wave field forward modeling of variable staggered grid optimized difference coefficient method［J］.Geophysical Prospecting for Petroleum,2018,57(3):378-388

高少武,钱忠平,马玉宁,等.基于延迟波场特征法的海底反射系数估算方法［J］.石油物探,2018,57(3):389-394

GAO Shaowu,QIAN Zhongping,MA Yuning,et al.Estimating ocean bottom reflection coefficient using delayed wavefield characteristic method［J］.Geophysical Prospecting for Petroleum,2018, 57(3): 389-394

徐阳,罗明璋,王智,等.广义S变换与二维离散小波变换联合压制面波［J］.石油物探,2018,57(3):395-403

XU Yang,LUO Mingzhang,WANG Zhi,et al.Surface wave suppression using generalized S-transform and 2D discrete wavelet transform［J］.Geophysical Prospecting for Petroleum,2018, 57(3):395-403

吴成梁,周阳,胡江涛,等.高效逆时偏移角度道集生成方法研究［J］.石油物探,2018,57(3):404-418

WU Chengliang,ZHOU Yang,HU Jiangtao,et al.Efficient generation of reverse time migration angle gathers［J］.Geophysical Prospecting for Petroleum,2018,57(3):404-418

徐凯,孙赞东.基于粘声衰减补偿的最小二乘逆时偏移［J］.石油物探,2018,57(3):419-427

XU Kai,SUN Zandong.Least-squares reverse time migration based on visco-acoustic attenuation compensation［J］.Geophysical Prospecting for Petroleum,2018,57(3):419-427

王若,张帅,刘晓,等.基于F-X预测滤波的基追踪算法在雀莫错地区低信噪比资料处理中的应用［J］.石油物探,2018,57(3):428-435

WANG Ruo,ZHANG Shuai,LIU Xiao,et al.Application of F-X prediction filtering-based basis pursuit method on seismic data with low SNR of Quemocuo area in the Qiangtang Basin in Tibetan Plateau［J］.Geophysical Prospecting for Petroleum,2018,57(3):428-435

宋吉杰,禹金营,王成,等.近地表介质Q估计及其在塔河北部油田的应用［J］.石油物探,2018,57(3):436-442

SONG Jijie,YU Jinying,WANG Cheng,et al.Q estimation for near-surface media and its application in the Northern Tahe Oilfield,China［J］.Geophysical Prospecting for Petroleum,2018, 57(3): 436-442

姚淑凡,丁文龙,赵刚,等.珠江口盆地深水区珠江组成岩作用对含气砂岩AVO特征的影响研究［J］.石油物探,2018,57(3):443-451

YAO Shufan,DING Wenlong,ZHAO Gang,et al.The relationship between diagenesis and AVO anomaly of gas-bearing sandstone in the ZJ formation of the Pearl River Mouth Basin, China［J］.Geophysical Prospecting for Petroleum,2018,57(3):443-451

孙振涛.基于叠前分频振幅差异的溶洞识别技术及应用［J］.石油物探,2018,57(3):452-457

SUN Zhentao.Multi-scale cave detection based on amplitude difference of prestack frequency division［J］.Geophysical Prospecting for Petroleum,2018,57(3):452-457

齐中山,王静波,张文军,等.米仓-大巴山山前带地震勘探进展及下一步攻关方向探讨［J］.石油物探,2018,57(3):458-469

QI Zhongshan,WANG Jingbo,ZHANG Wenjun,et al.Progress and research direction of seismic exploration in the Micang-Dabashan piedmont zone,China［J］.Geophysical Prospecting for Petroleum,2018,57(3):458-469

刘羽,熊壬浩,肖熠.MT Occam反演的CPU/GPU异构混合并行算法研究［J］.石油物探,2018, 57(3): 470-477

LIU Yu,XIONG Renhao,XIAO Yi.Hybrid parallelism for MT Occam inversion on CPU/GPU heterogeneous clusters［J］.Geophysical Prospecting for Petroleum,2018,57(3):470-477

付广,宋戴雷,王浩然.基于地震资料判断油气成藏后断裂再活动是否破坏泥岩盖层封闭的方法［J］.石油物探,2018,57(3):478-485

FU Guang,SONG Dailei,WANG Haoran.The effect of fault reactivation on the sealing of mudstone caprocks based on seismic data［J］.Geophysical Prospecting for Petroleum,2018, 57(3):478-485

# 2018年第2期（2018年3月）

印兴耀,张洪学,宗兆云.OVT数据域五维地震资料解释技术研究现状与进展［J］.石油物探,2018,57(2):155-178

YIN Xingyao,ZHANG Hongxue,ZONG Zhaoyun.Research status and progress of 5D seismic data interpretation in OVT domain［J］.Geophysical Prospecting for Petroleum,2018,57(2):155-178

贺锡雷,林凯,张祖豪,等.孔隙度和孔隙结构对储层特性影响的定量比较［J］.石油物探,2018,57(2):179-185

HE Xilei,LIN Kai,ZHANG Zuhao,et al.Quantitative comparison of the influence of porosity and pore structure on reservoir characteristics［J］.Geophysical Prospecting for Petroleum,2018, 57(2):179-185

杨春,王赟,陈业全,等.双相介质薄砂层的地震反射特征分析［J］.石油物探,2018,57(2):186-197

YANG Chun,WANG Yun,CHEN Yequan,et al.Characteristic analysis of seismic reflections from a thin sand reservoir in two-phase media［J］.Geophysical Prospecting for Petroleum,2018, 57(2):186-197

朱强,姜芦倩,张伟.介质离散方法对地震波场有限差分数值模拟准确性的影响［J］.石油物探,2018,57(2):198-207

ZHU Qiang,JIANG Luqian,ZHANG Wei.Effects of media discretization method on finite difference simulation for seismic wave field［J］.Geophysical Prospecting for Petroleum,2018, 57(2):198-207

朱立华.基于稀疏反演的多震源地震混合采集数据分离技术［J］.石油物探,2018,57(2):208-212

ZHU Lihua.Deblending simultaneous-source seismic data using sparse inversion［J］.Geophysical Prospecting for Petroleum,2018,57(2):208-212

齐鹏,胡玮,管文华,等.基于压缩傅里叶算法的五维插值技术在改善振幅一致性中的应用［J］.石油物探,2018,57(2):213-221

QI Peng,HU Wei,GUAN Wenhua,et al.Five-dimensional interpolation based on a compact Fourier technique to improve the consistency of seismic amplitude［J］.Geophysical Prospecting for Petroleum,2018,57(2):213-221

金子奇,孙赞东.改进的衰减旅行时层析方法估计Q值［J］.石油物探,2018,57(2):222-230

JIN Ziqi,SUN Zandong.Improved attenuated traveltime tomography for Q estimation［J］.Geophysical Prospecting for Petroleum,2018,57(2):222-230

梁鸿贤.基于初至信息的可控震源和炸药震源地震资料匹配滤波技术［J］.石油物探,2018,57(2):231-236

LIANG Hongxian.Matching filter of vibroseis and dynamite source seismic data using first arrival information［J］.Geophysical Prospecting for Petroleum,2018,57(2):231-236

曲英铭,李金丽,李振春,等.可控震源相关数据谐波干扰联合压制方法［J］.石油物探,2018,57(2):237-247

QU Yingming,LI Jinli,LI Zhenchun,et al.Joint suppression of two types of vibroseis harmonic noise on correlated data［J］.Geophysical Prospecting for Petroleum,2018,57(2):237-247

李洪建,刘定进,杨金龙.基于最小二乘反演的拖缆双检鬼波压制方法［J］.石油物探,2018,57(2):248-253

LI Hongjian,LIU Dingjin,YANG Jinlong.Deghosting of dual-sensor marine seismic streamer data using least squares inversion［J］.Geophysical Prospecting for Petroleum,2018,57(2):248-253

熊凯,杨锴,邢逢源,等.联合结构张量与运动学反偏移的立体层析数据空间提取与反演策略研究Ⅱ:实践［J］.石油物探,2018,57(2):254-261

XIONG Kai,YANG Kai,XING Fengyuan,et al.Inversion strategy and data space extraction for stereo-tomography based on a combination of structure tensor and kinematic demigration.Ⅱ:practice［J］.Geophysical Prospecting for Petroleum,2018,57(2):254-261

蔡杰雄.高斯束偏移与高斯束层析反演速度建模［J］.石油物探,2018,57(2):262-273

CAI Jiexiong.Gaussian beam operator-based migration and tomography［J］.Geophysical Prospecting for Petroleum,2018,57(2):262-273

宋利伟,石颖,柯璇,等.基于检查点方法的各向异性介质逆时偏移［J］.石油物探,2018,57(2):274-282

SONG Liwei,SHI Ying,KE Xuan,et al.Reverse time migration of anisotropic media using the checkpoint method［J］.Geophysical Prospecting for Petroleum,2018,57(2):274-282

夏同星,刘垒,明君,等.渤海湾X油田气云区地震资料关键处理技术研究［J］.石油物探,2018,57(2):283-291

XIA Tongxing,LIU Lei,MING Jun,et al.Key processing technologies of seismic data for a gas cloud area in the X oilfield,Bohai Bay Basin［J］.Geophysical Prospecting for Petroleum,2018,57(2):283-291

罗鑫,陈学华,吕丙南,等.基于Gray反射系数的频变AVO反演［J］.石油物探,2018,57(2):292-301

LUO Xin,CHEN Xuehua,LV Bingnan,et al.Frequency-dependent AVO inversion based on Gray reflection coefficient formula［J］.Geophysical Prospecting for Petroleum,2018,57(2):292-301

贾凌云,李琳,王千遥,等.基于广义弹性阻抗的流体识别因子反演方法研究与应用［J］.石油物探,2018,57(2):302-311

JIA Lingyun,LI Lin,WANG Qianyao,et al.Fluid identification factor inversion based on generalized elastic impedance［J］.Geophysical Prospecting for Petroleum,2018,57(2):302-311

李宏,杨心超,朱海波,等.水力压裂微地震震源定位与震源机制联合反演研究［J］.石油物探,2018,57(2):312-320

LI Hong,YANG Xinchao,ZHU Haibo,et al.Joint inversion of source location and microseismic focal mechanism［J］.Geophysical Prospecting for Petroleum,2018,57(2):312-320

# 2018年第1期（2018年1月）

张宇.从成像到反演:叠前深度偏移的理论、实践与发展［J］.石油物探,2018,57(1):1-23

ZHANG Yu.From imaging to inversion:Theory,practice,and technological evolution of prestack depth migration［J］.Geophysical Prospecting for Petroleum,2018,57(1):1-23

马坚伟.压缩感知走进地球物理勘探［J］.石油物探,2018,57(1):24-27

MA Jianwei.Compressive sensing in geophysical exploration［J］.Geophysical Prospecting for Petroleum,2018,57(1):24-27

骆飞,石双虎,邓志文,等.可控震源分频同时扫描采集方法实现与应用［J］.石油物探,2018,57(1):28-32

LUO Fei,SHI Shuanghu,DENG Zhiwen,et al.Implementation and application of vibroseis acquisition using frequency-separated simultaneous sweep technology［J］.Geophysical Prospecting for Petroleum,2018,57(1):28-32

周艳辉,陈文超.基于稀疏反演的同步震源地震数据分离方法［J］.石油物探,2018,57(1):33-38

ZHOU Yanhui,CHEN Wenchao.Separation of simultaneous source data based on sparse inversion［J］.Geophysical Prospecting for Petroleum,2018,57(1):33-38

陈文超,陈昕,王伟,等.基于波形特征稀疏化建模的地震信号表示理论与方法［J］.石油物探,2018,57(1):39-44

CHEN Wenchao,CHEN Xin,WANG Wei,et al.Seismic signal analysis based on waveform diversity enabled sparse representation［J］.Geophysical Prospecting for Petroleum,2018, 57(1):39-44

陈建友,王晓凯,杨长春.一种均匀网格反泄露傅里叶变换的频率域高效实现方法［J］.石油物探,2018,57(1):45-49

CHEN Jianyou,WANG Xiaokai,YANG Changchun.Efficient implementation of regular grid antileakage Fourier transform in the frequency domain［J］.Geophysical Prospecting for Petroleum,2018, 57(1):49-49

刘争光,韩立国,张良,等.压缩感知理论下基于快速不动点连续算法的地震数据重建［J］.石油物探,2018,57(1):50-57,71

LIU Zhengguang,HAN Liguo,ZHANG Liang,et al.Seismic data reconstruction using FFPC algorithm based on compressive sensing［J］.Geophysical Prospecting for Petroleum,2018, 57(1):50-57,71

郑雪辰,包乾宗,孔啸,等.地震数据重建的谱投影梯度算法中的参数选取［J］.石油物探,2018,57(1):58-64

ZHENG Xuechen,BAO Qianzong,KONG Xiao,et al.Parameter selection of spectral projection gradient algorithm for seismic data reconstruction［J］.Geophysical Prospecting for Petroleum,2018,57(1):58-64

王本锋,陆文凯,陈小宏,等.基于3D Curvelet变换的频率域高效地震数据插值方法研究［J］.石油物探,2018,57(1):65-71

WANG Benfeng,LU Wenkai,CHEN Xiaohong,et al.Efficient seismic data interpolation using three-dimensional Curvelet transform in the frequency domain［J］.Geophysical Prospecting for Petroleum,2018,57(1):65-71

曹静杰,杨志权,杨勇,等.一种基于曲波变换的自适应地震随机噪声消除方法［J］.石油物探,2018,57(1):72-78

CAO Jingjie,YANG Zhiquan,YANG Yong,et al.An adaptive seismic random noise elimination method based on Curvelet transform［J］.Geophysical Prospecting for Petroleum,2018,57(1):72-78

罗勇,刘宏杰,毛海波,等.时频域稀疏优化谐波噪声压制方法及其在准噶尔盆地高密度地震勘探中的应用［J］.石油物探,2018,57(1):79-85

LUO Yong,LIU Hongjie,MAO Haibo,et al.Harmonic noise suppression in the time-frequency domain via sparse optimization and application to high-density seismic exploration in Junggar Basin,China［J］.Geophysical Prospecting for Petroleum,2018,57(1):79-85

屠宁.基于压缩感知的快速最小二乘逆时偏移［J］.石油物探,2018,57(1):86-93

TU Ning.Fast least-squares reverse-time migration via compressive sensing［J］.Geophysical Prospecting for Petroleum,2018,57(1):86-93

马锐,邹志辉,芮拥军,等.基于SPML和海绵边界的伪谱法弹性波模拟复合吸收边界条件［J］.石油物探,2018,57(1):94-103

MA Rui,ZOU Zhihui,RUI Yongjun,et al.A composite absorbing boundary based on the SPML and sponge absorbing boundary for pseudo-spectral elastic wave modeling［J］.Geophysical Prospecting for Petroleum,2018,57(1):94-103

蓝阳,谢俊法,杨志鹏,等.基于鲁棒自适应最小方差信号无畸变响应波束形成的高密度数据室内组合方法研究［J］.石油物探,2018,57(1):104-112

LAN Yang,XIE Junfa,YANG Zhipeng,et al.Indoor array for high-density data based on the robust adaptive Minimum-Variance Distortionless Response beamforming［J］.Geophysical Prospecting for Petroleum,2018,57(1):104-112

张治忠,尹成,谢岚,等.基于变水速模型驱动的深水水层多次波压制技术研究与应用［J］.石油物探,2018,57(1):113-121

ZHANG Zhizhong,YIN Cheng,XIE Lan,et al.Research and application on deepwater water-layer multiple elimination technology based on variable water velocity model［J］.Geophysical Prospecting for Petroleum,2018,57(1):113-121

张水山,熊晓军,刘阳,等.基于综合信息的三维层速度场建立及其在涪陵页岩气田应用研究［J］.石油物探,2018,57(1):122-128,139

ZHANG Shuishan,XIONG Xiaojun,LIU Yang,et al.Three-dimensional interval velocity building based on comprehensive data analysis and its application in Fuling shale gas field exploration［J］.Geophysical Prospecting for Petroleum,2018,57(1):122-128,139

赵晨,张广智,蔡华,等.基于FFT-MA模拟与VFQA算法的纵波模量弹性阻抗随机反演方法［J］.石油物探,2018,57(1):129-139

ZHAO Chen,ZHANG Guangzhi,CAI Hua,et al.Elastic impedance stochastic inversion for P-wave modulus based on FFT-MA simulation and VFQA algorithm［J］.Geophysical Prospecting for Petroleum,2018,57(1):129-139

夏亚良,魏小东,王中凡,等.OVT域方位各向异性技术在中非花岗岩裂缝预测中的应用研究［J］.石油物探,2018,57(1):140-147

XIA Yaliang,WEI Xiaodong,WANG Zhongfan,et al.Application of azimuthally anisotropy by OVT gather for granite fracture prediction in Central Africa［J］.Geophysical Prospecting for Petroleum,2018,57(1):140-147

张翔,张猛,肖小玲,等.复杂地层情况下全井周电成像图像修复方法［J］.石油物探,2018,57(1):148-153

ZHANG Xiang,ZHANG Meng,XIAO Xiaoling,et al.Image inpainting for fullbore electrical imaging logging in complex formations［J］.Geophysical Prospecting for Petroleum,2018,57(1): 148-153

# 2017年第6期（2017年11月）

唐杰,王浩,温雷,等.基于声发射分形参数分析的储层岩石裂纹演化特征研究［J］.石油物探,2017,56(6):775-781

TANG Jie,WANG Hao,WEN Lei,et al.Evolution characteristics of reservoir rock cracks based on acoustic emission fractal parameter analysis［J］.Geophysical Prospecting for Petroleum,2017, 56(6): 775-781

李宏,杨心超,朱海波,等.起伏地形条件下瑞雷面波传播特性研究［J］.石油物探,2017,56(6):782-791

LI Hong, YANG Xinchao, ZHU Haibo,et al.Rayleigh wave propagation with undulating topography［J］.Geophysical Prospecting for Petroleum,2017,56(6):782-791

冯玉苹,魏继东,于富文.模数转换方式对地震数据信噪比的影响分析［J］.石油物探,2017,56(6):792-797

FENG Yuping,WEI Jidong,YU Fuwen.Effects of A/D converting on the SNR of seismic data［J］.Geophysical Prospecting for Petroleum,2017,56(6):792-797

陈国金,郭建,张亚红,等.基于环境噪声的地震响应重建方法及应用［J］.石油物探,2017,56(6):798-803

CHEN Guojin,GUO Jian,ZHANG Yahong,et al.Technique for seismic response retrieval from ambient noise and its application［J］.Geophysical Prospecting for Petroleum,2017,56(6):798-803

张良,韩立国,刘争光,等.基于压缩感知和Contourlet变换的地震数据重建方法［J］.石油物探,2017,56(6):804-811

ZHANG Liang,HAN Liguo,LIU Zhengguang,et al.Seismic data reconstruction based on compressed sensing and Contourlet transform［J］.Geophysical Prospecting for Petroleum, 2017,56(6):804-811

谭军,宋鹏,李金山,等.基于速度加权叠加和AVO分析的叠前地震数据插值方法［J］.石油物探,2017,56(6):812-819

TAN Jun,SONG Peng,LI Jinshan,et al.Pre-stack seismic data interpolation based on velocity-weighted stack and AVO analysis［J］.Geophysical Prospecting for Petroleum, 2017,56(6):812-819

穆立华,杨国涛,高文中,等.井震融合平面波分解地层倾角计算方法与应用［J］.石油物探, 2017,56(6):820-826

MU Lihua,YANG Guotao,GAO Wenzhong,et al.Formation dip calculation using plane-wave decomposition based on logging and seismic integration［J］.Geophysical Prospecting for Petroleum,2017,56(6):820-826

李超,张金淼,朱振宇.深部储层流体因子直接反演方法［J］.石油物探,2017,56(6):827-834

LI Chao,ZHANG Jinmiao,ZHU Zhenyu.Direct inversion for fluid factor of deep reservoirs［J］.Geophysical Prospecting for Petroleum,2017,56(6):827-834

李春鹏,印兴耀,刘志国,等.裂缝型储层预测的各向异性梯度反演方法研究［J］.石油物探,2017,56(6):835-840

LI Chunpeng,YIN Xingyao,LIU Zhiguo,et al.An anisotropic gradient inversion for fractured reservoir prediction［J］.Geophysical Prospecting for Petroleum,2017,56(6):835-840

左国平,吕福亮,范国章.赤道几内亚湾深水海域基于部分叠加角道集的地震烃类检测［J］.石油物探,2017,56(6):841-852

ZUO Guoping,LV Fuliang,FAN Guozhang.Seismic hydrocarbon detection based on partial stack angle gathers in offshore deep-water of the Equatorial Guinea Bay［J］.Geophysical Prospecting for Petroleum,2017,56(6):841-852

赵海波,唐晓花,李奎周,等.基于地震岩石物理分析与叠前地质统计学反演技术的齐家地区致密薄储层预测［J］.石油物探,2017,56(6):853-862

ZHAO Haibo,TANG Xiaohua,LI Kuizhou,et al.Tight thin-bed reservoir prediction using rock physics analysis and prestack geostatistical inversion in the Qijia area［J］.Geophysical Prospecting for Petroleum,2017,56(6):853-862

王栋,贺振华,王珑,等.多波联合反演技术在SC盆地PLN地区油气勘探开发中的应用研究［J］.石油物探,2017,56(6):863-873

WANG Dong,HE Zhenhua,WANG Long,et al.Application of multi-wave joint inversion in exploration and development of oil and gas in the PLN area of SC Basin［J］.Geophysical Prospecting for Petroleum,2017,56(6):863-873

李瑞磊,杨勤林,田建华,等.松辽盆地龙凤山气田致密砂岩含气性预测研究［J］.石油物探,2017,56(6):874-881

LI Ruilei,YANG Qinlin,TIAN Jianhua,et al.Tight sandstone gas prediction in the Longfeng Mountain gas field of Songliao Basin,China［J］.Geophysical Prospecting for Petroleum,2017,56(6):874-881

周建美,李貅,戚志鹏.不同海洋可控源电磁法对海底低阻目标体的探测能力对比分析［J］.石油物探,2017,56(6):882-889

ZHOU Jianmei,LI Xiu,QI Zhipeng.Comparative analysis on detection capability of two marine CSEM methods to seabed conductivity targets［J］.Geophysical Prospecting for Petroleum,2017,56(6):882-889

曹小玲,严良俊.一种改进的独立分量分析算法在大地电磁去噪中的应用［J］.石油物探,2017,56(6):890-897

CAO Xiaoling,YAN Liangjun.The application of an improved independent component analysis algorithm in magnetotelluric data denoising［J］.Geophysical Prospecting for Petroleum,2017, 56(6):890-897

唐荣江,王绪本,甘露.一种利用特征值性质的MT阻尼最小二乘反演［J］.石油物探,2017,56(6): 898-904

TANG Rongjiang,WANG Xuben,GAN Lu.A damped least square inversion for MT utilizing eigenvalue property［J］.Geophysical Prospecting for Petroleum,2017,56(6):898-904

邱新明,汪超,苑益军,等.Radon变换及其在地震矢量数据处理中的应用研究现状［J］.石油物探,2017,56(6):905-914

QIU Xinming,WANG Chao,YUAN Yijun,et al.Research status of the application of Radon transform in seismic vector field processing［J］.Geophysical Prospecting for Petroleum,2017, 56(6):905-914

# 2017年第5期（2017年9月）

周松,吕尧,吕公河,等.基于压缩感知的非规则地震勘探观测系统设计与数据重建［J］.石油物探,2017,56(5):617-625

ZHOU Song,LV Yao,LV Gonghe,et al.Irregular seismic geometry design and data reconstruction based on compressive sensing［J］.Geophysical Prospecting for Petroleum,2017,56(5):617-625

李忠雄,尹吴海,蒋华中,等.羌塘盆地高密度高覆盖宽线采集技术试验［J］.石油物探,2017,56(5):626-636

LI Zhongxiong,YIN Wuhai,JIANG Huazhong,et al.Acquisition technique test of high-density and high-fold wide line profiling seismic survey in Qiangtang Basin［J］.Geophysical Prospecting for Petroleum,2017,56(5):626-636

柯璇,石颖,宋利伟,等.基于褶积完全匹配吸收边界的声波方程数值模拟［J］.石油物探,2017,56(5):637-643

KE Xuan,SHI Ying,SONG Liwei,et al.Numerical modeling of acoustic wave equations based on convolutional perfectly matched layer absorbing boundary condition［J］.Geophysical Prospecting for Petroleum,2017,56(5):637-643

王艳伟,夏克文,牛文佳,等.基于低秩矩阵恢复的去噪方法在石油测井中的应用［J］.石油物探,2017,56(5):644-650

WANG Yanwei,XIA Kewen,NIU Wenjia,et al.A denoising method by low-rank matrix recovery and its application in oil well logging［J］.Geophysical Prospecting for Petroleum,2017,56(5):644-650

陈生昌,周华敏.基于反射波动方程的叠前地震反射数据波阻抗相对变化成像研究［J］.石油物探,2017,56(5):651-657

CHEN Shengchang,ZHOU Huamin.A relative impedance variation imaging of pre-stack seismic reflection data based on reflection wave equation［J］.Geophysical Prospecting for Petroleum,2017,56(5):651-657

秦晅,蔡建超,刘少勇,等.基于经验模态分解互信息熵与同步压缩变换的微地震信号去噪方法研究［J］.石油物探,2017,56(5):658-666

QIN Xuan,CAI Jianchao,LIU Shaoyong,et al.Microseismic data denoising method based on EMD mutual information entropy and synchrosqueezing transform［J］.Geophysical Prospecting for Petroleum,2017,56(5):658-666

姜弢,邹艳艳,岳永高,等.基于奇异值分解的角度域地震波束形成方法［J］.石油物探,2017,56(5):667-675

JIANG Tao,ZOU Yanyan,YUE Yonggao,et al.Angle domain seismic beam-forming method based on singular value decomposition［J］.Geophysical Prospecting for Petroleum,2017,56(5):667-675

刘燕峰,邹少峰,居兴国.基于Contourlet变换的K-L变换地震随机噪声自适应衰减方法［J］.石油物探,2017,56(5):676-683

LIU Yanfeng,ZOU Shaofeng,JV Xingguo.Seismic random noise self-adaptive attenuation method based on K-L transform in the Contourlet-domain［J］.Geophysical Prospecting for Petroleum,2017,56(5):676-683

李倩,狄帮让,魏建新.基于稀疏约束反演谱分解的缝洞储层叠后数据去噪应用效果分析［J］.石油物探,2017,56(5):684-693

LI Qian,DI Bangrang,WEI Jianxin,et al.Application of denoising method based on sparse constrained inverse spectral decomposition in poststack seismic data of cave-fractured reservoirs［J］.Geophysical Prospecting for Petroleum,2017,56(5):684-693

杨锴,熊凯,王宇翔,等.联合结构张量与运动学反偏移的立体层析数据空间提取与反演策略研究Ⅰ:理论［J］.石油物探,2017,56(5):694-706

YANG Kai,XIONG Kai,WANG Yuxiang,et al.Inversion strategy and data space construction for stereo-tomography using structure tensor and kinematic demigration.Ⅰ:theory［J］.Geophysical Prospecting for Petroleum,2017,56(5):694-706

万弘,杨勤勇,蔡杰雄,等.地质构造约束高斯束层析反演方法与应用［J］.石油物探,2017,56(5):707-717

WAN Hong,YANG Qinyong,CAI Jiexiong,et al.A method of geological structure constrained tomographic inversion based on Gaussian beam and its application［J］.Geophysical Prospecting for Petroleum,2017,56(5):707-717

刘小民,邬达理,梁硕博,等.潜水波胖射线走时层析速度反演及其在深度偏移速度建模中的应用［J］.石油物探,2017,56(5):718-726

LIU Xiaomin,WU Dali,LIANG Shuobo,et al.Diving wave tomography velocity inversion using fat ray in prestack depth migration［J］.Geophysical Prospecting for Petroleum,2017,56(5):718-726

朱林奇,张冲,何小菊,等.基于改进BPNN与T2全谱的致密砂岩储层渗透率预测［J］.石油物探,2017,56(5):727-734

ZHU Linqi,ZHANG Chong,HE Xiaoju,et al.Permeability prediction of tight sandstone reservoir based on improved BPNN and T2 full-spectrum［J］.Geophysical Prospecting for Petroleum,2017,56(5):727-734

李大军,杨晓,王小兰,等.四川盆地W地区龙马溪组页岩气压裂效果评估和产能预测研究［J］.石油物探,2017,56(5):735-745

LI Dajun,YANG Xiao,WANG Xiaolan,et al.Estimating the fracturing effect and production capacity of the Longmaxi Formation of the Lower Silurian in area W,Sichuan Basin［J］.Geophysical Prospecting for Petroleum,2017,56(5):737-745

刘国萍,游瑜春,冯琼.基于频谱成像技术的元坝长兴组生物礁储层连通性研究［J］.石油物探,2017,56(5):746-754

LIU Guoping,YOU Yuchun,FENG Qiong.Research on reservoir connectivity based on spectral imaging technology for the Changxing reef in the Yuanba area［J］.Geophysical Prospecting for Petroleum,2017,56(5):746-754

管贻亮,胡祥云,张静,等.基于DLL集成的大地电磁处理解释可视化系统的开发及应用［J］.石油物探,2017,56(5):755-765

GUAN Yiliang,HU Xiangyun,ZHANG Jing,et al.Development and application of visualization system for processing and interpretation of magnetotelluric data based on DLL integration［J］.Geophysical Prospecting for Petroleum,2017,56(5):755-765

严波,韩波.二维直流电阻率倾斜各向异性自适应有限元正演［J］.石油物探,2017,56(5):766-773

YAN Bo,HAN Bo.Adaptive finite element modeling of direct current resistivity in 2-D tilted anisotropy structures［J］.Geophysical Prospecting for Petroleum,2017,56(5):766-773

# 2017年第4期（2017年7月）

张军华,王庆峰,张晓辉,等.薄层和薄互层叠后地震解释关键技术综述［J］.石油物探,2017,56(4):459-471

ZHANG Junhua,WANG Qingfeng,ZHANG Xiaohui,et al.Poststack interpretation key techniques for thin layer and thin interbed reservoirs［J］.Geophysical Prospecting for Petroleum,2017,56(4): 459-471

于豪,李劲松,晏信飞,等.非均质碳酸盐岩储层微观孔隙结构表征与气藏检测［J］.石油物探,2017,56(4):472-482

YU Hao,LI Jinsong,YAN Xinfei,et al.Microscopic pore structure characterization of heterogeneous carbonate reservoirs and gas detection:a case study from limestone gas reservoirs on the right bank block of Amu Darya River［J］.Geophysical Prospecting for Petroleum,2017,56(4): 472-482

李伟娜,云美厚,党鹏飞,等.基于微测井资料的双线性回归稳定Q估计［J］.石油物探,2017,56(4):483-490

LI Weina,YUN Meihou,DANG Pengfei,et al.Stability Q estimation by dual linear regression based on uphole survey data［J］.Geophysical Prospecting for Petroleum,2017,56(4):483-490

周嘉欣,熊凯,杨锴.直角坐标系下立体层析FRECHET导数求取修正问题探讨［J］.石油物探,2017,56(4):491-499

ZHOU Jiaxin,XIONG Kai,YANG Kai.On the correction of the Frechet derivatives of stereotomography in Cartesian coordinate［J］.Geophysical Prospecting for Petroleum,2017,56(4):491-499

张威,韩立国,李洪建.基于起伏海水表面的拖缆鬼波压制方法［J］.石油物探,2017,56(4):500-506

ZHANG Wei,HAN Liguo,LI Hongjian.Deghosting method based on a variable sea surface for conventional streamer seismic data［J］.Geophysical Prospecting for Petroleum,2017,56(4):500-506

杨金龙,Weglein Arthur B.基于格林理论的鬼波压制方法及其应用［J］.石油物探,2017,56(4):507-515

YANG Jinlong,Weglein Arthur B.A deghosting method based on Greens theorem and its application［J］.Geophysical Prospecting for Petroleum,2017,56(4):507-515

陈华.利用独立伽马场的反射波时间比例转换波叠前时间偏移［J］.石油物探,2017,56(4):516-522

CHEN Hua.Prestack time migration for a converted wave based on the independent gamma field［J］.Geophysical Prospecting for Petroleum,2017,56(4):516-522

柯璇,石颖,张莹莹,等.地震叠前逆时偏移衰减随机边界条件研究［J］.石油物探,2017,56(4):523-533

KE Xuan,SHI Ying,ZHANG Yingying,et al.A damped random boundary condition for prestack reverse time migration［J］.Geophysical Prospecting for Petroleum,2017,56(4):523-533

王咸彬.TTI各向异性逆时偏移技术及应用［J］.石油物探,2017,56(4):534-542

WANG Xianbin.Anisotropic reverse time migration technique in TTI media and its application［J］.Geophysical Prospecting for Petroleum,2017,56(4):534-542

李飞跃,张功成,杨海长,等.复杂断裂综合解释方法在长昌凹陷的应用［J］.石油物探,2017,56(4):543-550

LI Feiyue,ZHANG Gongcheng,YANG Haizhang,et al.Application of comprehensive interpretation method for complicated fractures in Changchang Sag［J］.Geophysical Prospecting for Petroleum,2017,56(4):543-550

罗浩然,尹成,丁峰,等.概率神经网络的平滑参数分析及在地震属性分析中的应用［J］.石油物探,2017,56(4):551-558

LUO Haoran,YIN Cheng,DING Feng,et al.The smoothing parameter analysis of probabilistic neural network and its application in seismic attribute analysis［J］.Geophysical Prospecting for Petroleum,2017,56(4):551-558

王清振,姜秀娣,翁斌,等.高抗噪性三维体曲率分析技术及其在高陡地层发育区的应用［J］.石油物探,2017,56(4):559-566

WANG Qingzhen,JIANG Xiudi,WENG Bin,et al.A 3D curvature attribute analysis method with excellent anti-noise property suitable for high steep formation［J］.Geophysical Prospecting for Petroleum,2017,56(4):559-566

李金磊.涪陵焦石坝页岩气层压力预测技术研究［J］.石油物探,2017,56(4):567-574

LI Jinlei.Pressure prediction of Jiaoshiba shale gas reservoir in the Fuling Shale Gasfield［J］.Geophysical Prospecting for Petroleum,2017,56(4):567-574

吴波,王荐,潘树林,等.基于高低频速度闭合技术的地层压力预测［J］.石油物探,2017,56(4):575-580

WU Bo,WANG Jian,PAN Shulin,et al.Formation pressure prediction based on a closed velocity body by merging the high frequency velocity with the low frequency velocity［J］.Geophysical Prospecting for Petroleum,2017,56(4):575-580

刘忠亮,张成富,张渊,等.Oriente盆地L-I-Y油田Hollin组与Napo组沉积微相研究［J］.石油物探,2017,56(4):581-588

LIU Zhongliang,ZHANG Chengfu,ZHANG Yuan,et al.Sedimentary microfacies of the Hollin and Napo formation in the L-I-Y Oilfields,Oriente Basin［J］.Geophysical Prospecting for Petroleum,2017,56(4):581-588

吴少军,罗斌,陈元勇,等.纵波源零偏VSP资料中的上行横波与纵波联合反演初探［J］.石油物探,2017,56(4):589-598

WU Shaojun,LUO Bin,CHEN Yuanyong,et al.Joint inversion of up-going SS-wave and PP-wave in land zero offset VSP with P-wave source and a tentative exploration of their application［J］.Geophysical Prospecting for Petroleum,2017,56(4):589-598

饶椿锋,于鹏,胡书凡,等.基于加权模型参数的归一化磁源强度三维反演［J］.石油物探,2017,56(4):599-606

RAO Chunfeng,YU Peng,HU Shufan,et al.The 3D inversion of the normalized source strength data based on weighted model parameters［J］.Geophysical Prospecting for Petroleum,2017,56(4):599-606

张春贺,尹成明,甘贵元,等.重磁电一体化勘探技术在柴达木盆地西部复杂地区的应用［J］.石油物探,2017,56(4):607-616

ZHANG Chunhe,YIN Chengming,GAN Guiyuan,et al.The application of the integrated exploration with gravity,magnetic,and magnetotelluric in complex area,western Qaidam Basin［J］.Geophysical Prospecting for Petroleum,2017,56(4):607-616

# 2017年第3期（2017年5月）

陈昌旭,周滨,张建峰,等.拖缆前后源双向同时激发采集新技术探索［J］.石油物探,2017,56(3):309-318

CHEN Changxu,ZHOU Bin,ZHANG Jianfeng,et al.Testing of fore and after source double-way simultaneous shooting technology on offshore seismic acquisition［J］.Geophysical Prospecting for Petroleum,2017,56(3):309-318

未晛.随机斑块饱和孔隙介质模型研究［J］.石油物探,2017,56(3):319-327

WEI Xian.Study on the continuous random porosity model of patchy saturation［J］.Geophysical Prospecting for Petroleum,2017,56(3):319-327

张秉铭,刘致水,刘俊州,等.鄂尔多斯盆地北部复杂碳酸盐岩横波速度预测研究［J］.石油物探,2017,56(3):328-337

ZHANG Bingming,LIU Zhishui,LIU Junzhou,et al.An improved S-wave velocity prediction method for complex carbonate reservoir in North Ordos Basin,China［J］.Geophysical Prospecting for Petroleum,2017,56(3):328-337

段茜,刘向君.实验室尺度下气水两相裂缝型介质弹性波速度的数值模拟分析［J］.石油物探,2017,56(3):338-348

DUAN Xi，LIU Xiangjun.Numerical simulation of elastic wave velocity in gas-water two-phase rock from fractured model［J］.Geophysical Prospecting for Petroleum,2017,56(3):338-348

张衡,刘洪,李博,等.TTI介质声波方程分裂式PML吸收边界条件研究［J］.石油物探,2017,56(3):349-361

ZHANG Heng,LIU Hong,LI Bo,et al.The research on split PML absorbing boundary conditions of acoustic equation for TTI media［J］.Geophysical Prospecting for Petroleum,2017,56(3):349-361

汪勇,段焱文,王婷,等.近似解析离散化方法的粘弹声波方程数值模拟及波场特征分析［J］.石油物探,2017,56(3):362-372

WANG Yong,DUAN Yanwen,WANG Ting,et al.Numerical simulation and the wave field characteristics analysis of viscoelastic acoustic wave equation based on the nearly-analytic discrete method［J］.Geophysical Prospecting for Petroleum,2017,56(3):362-372

张建利,刘志斌,张云鹏,等.两种海底多分量波场分离方法的模型测试及改进［J］.石油物探,2017,56(3):373-381

ZHANG Jianli,LIU Zhibin,ZHANG Yunpeng,et al.The model testing and the improvement strategy for two decomposition methods of seabed multi-component seismic recordings［J］.Geophysical Prospecting for Petroleum,2017,56(3):373-381

李博.基于随机采样的频率域多路径波场模拟与偏移成像［J］.石油物探,2017,56(3):382-389

LI Bo.Multipath seismic simulation and imaging in frequency domain based on random sampling method［J］.Geophysical Prospecting for Petroleum,2017,56(3):382-389

裴云龙,王立歆,邬达理,等.井控各向异性速度建模技术在YKL地区的应用［J］.石油物探,2017,56(3):390-399

PEI Yunlong,WANG Lixin,WU Dali,et al.The application of well-controlled anisotropy velocity modeling in YKL region［J］.Geophysical Prospecting for Petroleum,2017,56(3):390-399

张泉,朱连章,郭加树,等.地震DNA算法的改进及其在地震层位拾取中的应用［J］.石油物探,2017,56(3):400-407

ZHANG Quan,ZHU Lianzhang,GUO Jiashu,et al.The improvement of seismic DNA algorithm and its application in automatic horizon pickup［J］.Geophysical Prospecting for Petroleum,2017,56(3):400-407

谢会文,罗斌,许安明,等.复杂高陡构造零偏VSP空变倾角时差校正及其处理技术［J］.石油物探,2017,56(3):408-415

XIE Huiwen,LUO Bin,XU Anming,et al.Space varying DMO correction for complex high steep structure’s zero-offset VSP data［J］.Geophysical Prospecting for Petroleum,2017,56(3):408-415

王静波,陈祖庆,蒋福友,等.频率域高分辨率地震波阻抗直接反演方法研究［J］.石油物探,2017,56(3):416-423

WANG Jingbo,CHEN Zuqing,JIANG Fuyou,et al.A direct-inversion method of high-resolution seismic impedance in frequency domain［J］.Geophysical Prospecting for Petroleum,2017,56(3):416-423

张丰麒,孔令武,贾连奇.基于双项约束的弹性阻抗分解方法研究［J］.石油物探,2017,56(3):424-438

ZHANG Fengqi,KONG Lingwu,JIA Lianqi.Study on the decomposition of elastic impedance with two-term constraint［J］.Geophysical Prospecting for Petroleum,2017,56(3):424-438

顾雯,章雄,徐敏,等.强屏蔽下薄储层高精度预测研究［J］.石油物探,2017,56(3):439-448

GU Wen,ZHANG Xiong,XU Min,et al.High precision prediction of thin reservoir under strong shielding effect and its application：a case study from Sanzhao Depression,Songliao Basin［J］.Geophysical Prospecting for Petroleum,2017,56(3):439-448

乐靖,王晖,范廷恩,等.基于地震等时格架的倾角导向储层静态建模方法［J］.石油物探,2017,56(3):449-458

LE Jing,WANG Hui,FAN Ting’en,et al.A method of dip steering reservoir static modeling based on seismic isochronal stratigraphic framework［J］.Geophysical Prospecting for Petroleum,2017,56(3):449-458

# 2017年第2期（2017年3月）

王华忠,胡江涛,郭颂.最小二乘叠前深度偏移成像理论与方法［J］.石油物探,2017,56(2): 159-170

WANG Huazhong,HU Jiangtao,GUO Song.Theory and method of least square prestack depth migration and imaging［J］.Geophysical Prospecting for Petroleum,2017,56(2):159-170

居兴国,郭恺,刘定进.基于相速度的TTI介质射线追踪方法研究［J］.石油物探,2017,56(2): 170-178

JU Xingguo,GUO Kai,LIU Dingjin.Research on a ray tracing method for TTI medium based on phase velocity［J］.Geophysical Prospecting for Petroleum,2017,56(2):170-178

熊晓军,李翔,刘阳,等.基于孔隙分类理论的自相容模型横波速度预测方法［J］.石油物探,2017,56(2):179-184

XIONG Xiaojun,LI Xiang,LIU Yang,et al.Shear wave velocity estimation method by the porosity classification based on the self-consistent model［J］.Geophysical Prospecting for Petroleum, 2017,56(2): 179-184

潘保芝,栗猛,张丽华,等.低频条件下岩石孔隙水电容特性的蒸发实验研究［J］.石油物探,2017,56(2):184-191

PAN Baozhi,LI Meng,ZHANG Lihua,et al.The capacitance characteristics of porous rock with evaporation experiment method under low frequency condition［J］.Geophysical Prospecting for Petroleum,2017,56(2):184-191

窦喜英,王恩利,闫国亮,等.等效孔隙裂缝介质的弹性阻抗及广义流体因子分析［J］.石油物探,2017,56(2):192-202

DOU Xiying,WANG Enli,YAN Guoliang,et al.The analysis on elastic impedance and generalized fluid factor in equivalent porous fracture media［J］.Geophysical Prospecting for Petroleum,2017,56(2):192-202

王小杰,栾锡武.基于小波分频技术的地层Q值补偿方法研究［J］.石油物探,2017,56(2):203-209

WANG Xiaojie,LUAN Xiwu.The study of formation Q value compensation method based on wavelet frequency division technology［J］.Geophysical Prospecting for Petroleum,2017,56(2): 203-209

张文,周志才,于承业.一种改进的近地表强吸收补偿方法研究［J］.石油物探,2017,56(2):210-215

ZHANG Wen,ZHOU Zhicai,YU Chengye.An improved compensation method for near surface strong absorption［J］.Geophysical Prospecting for Petroleum,2017,56(2):210-215

刘俊州,时磊,董宁,等.含煤薄储层提高分辨率处理技术及应用［J］.石油物探,2017,56(2): 216-221

LIU Junzhou,SHI Lei,DONG Ning,et al.The processing technique of improving the resolution for the thin hydrocarbon reservoir with coal seam［J］.Geophysical Prospecting for Petroleum, 2017,56(2):216-221

毕云云,汪金菊,徐小红,等.基于离散曲波变换字典和二维局部离散余弦变换字典组合的面波压制［J］.石油物探,2017,56(2):222-231

BI Yunyun,WANG Jinju,XU Xiaohong,et al.Ground roll attenuation based on the combination of discrete curvelet transform dictionary and two-dimensional local discrete cosine transform dictionary［J］.Geophysical Prospecting for Petroleum,2017,56(2):222-231

李世凯,文晓涛,阮韵淇,等.基于White模型的含气砂岩垂直入射地震响应特征分析［J］.石油物探,2017,56(2):232-239

LI Shikai,WEN Xiaotao,RUAN Yunqi,et al.Analysis of seismic response characteristics from vertical incident in sandstone gas reservoir based on the White model［J］.Geophysical Prospecting for Petroleum,2017,56(2):232-239

胡爱玉.北部湾盆地海中凹陷地层特征地震识别研究［J］.石油物探,2017,56(2):240-249

HU Aiyu.Strata identification through seismic technology in Haizhong Sag of Beibu Gulf Basin［J］.Geophysical Prospecting for Petroleum,2017,56(2):240-249

印兴耀,李坤,宗兆云,等.时频联合域贝叶斯地震反演方法［J］.石油物探,2017,56(2):250-260

YIN XingYao,LI Kun,ZONG Zhaoyun,et al.Seismic inversion in joint time-frequency domain based on Bayesian scheme［J］.Geophysical Prospecting for Petroleum,2017,56(2):250-260

李志勇,张家树,蔡涵鹏,等.基于Hampel三截尾函数的储层弹性和物性参数同步反演［J］.石油物探,2017,56(2):261-272

LI Zhiyong,ZHANG Jiashu,CAI Hanpeng,et al.Simultaneous inversion on elastic and physical properties of reservoir based on Hampels three-part redescending function［J］.Geophysical Prospecting for Petroleum,2017,56(2):261-272

张繁昌,彭德木,张营革,等.基于对偶对数障碍规划算法的基追踪反演［J］.石油物探,2017,56(2):273-279

ZHANG Fanchang,PENG Demu,ZHANG Yingge,et al.A basis pursuit inversion method based on the primal-dual log-barrier programming algorithm［J］.Geophysical Prospecting for Petroleum,2017,56(2):273-279

杨子川,刘军,陈黎,等.顺南地区奥陶系碳酸盐岩储层地震识别与评价［J］.石油物探,2017,56(2):280-287

YANG Zichuan,LIU Jun,CHEN Li,et al.Seismic identification and evaluation of Ordovician carbonate reservoir in Shunnan area［J］.Geophysical Prospecting for Petroleum,2017,56(2): 280-287

王波,夏同星,谭辉煌.基于斑块饱和模型井控属性融合法油气检测［J］.石油物探,2017,56(2):288-294

WANG Bo,XIA Tongxing,TAN Huihuang.The well-controlled attributes fusion method for hydrocarbon detection based on patchy-saturation model［J］.Geophysical Prospecting for Petroleum,2017,56(2):288-294

陈钢花,张艳,毛克宇,等.声-电测井联合流体识别因子构建方法及其应用［J］.石油物探, 2017,56(2): 295-301

CHEN Ganghua,ZHANG Yan,MAO Keyu,et al.Establishment of fluid identification factor by joint acoustic and resistivity logging and its application:a case study of carbonate gas reservoir in the Northeast Sichuan［J］.Geophysical Prospecting for Petroleum,2017,56(2):295-301

杨玉卿,崔维平,张翔.基于电成像测井图像识别求取地层产状的新方法［J］.石油物探,2017,56(2):302-308

YANG Yuqing,CUI Weiping,ZHANG Xiang.A new method to detect formation occurrence from image recognition of electric imaging logging［J］.Geophysical Prospecting for Petroleum, 2017,56(2):302-308

# 2017年第1期（2017年1月）

Romain BROSSIER, Ludovic MTIVIER, Jean VIRIEUX,等. A review of some methodological developments on full waveform inversion tackled in the SEISCOPE group［J］.石油物探,2017,56(1):3-19

Romain BROSSIER, Ludovic MTIVIER, Jean VIRIEUX,et al. A review of some methodological developments on full waveform inversion tackled in the SEISCOPE group［J］.Geophysical Prospecting for Petroleum,2017,56(1):3-19

李翔.基于压缩感知技术的全波形反演［J］.石油物探,2017,56(1):20-25

LI Xiang.Full-waveform inversion from compressively recovered updates［J］.Geophysical Prospecting for Petroleum,2017,56(1):20-25

高福春,Paul WILLIAMSON,R. Gerhard PRATT.全波形反演的一个新目标函数:数据域中的微分相似优化［J］.石油物探,2017,56(1):26-30

GAO Fuchun,Paul WILLIAMSON,R.Gerhard PRATT.A new objective function for full waveform inversion:differential semblance optimization in data domain［J］.Geophysical Prospecting for Petroleum,2017,56(1):26-30

张广智,姜岚杰,孙昌路,等.基于照明预处理的分步多参数时间域声波全波形反演方法研究［J］.石油物探,2017,56(1):31-37

ZHANG Guangzhi,JIANG Lanjie,SUN Changlu,et al.The stepped multi-parameter FWI of acoustic media in time-domain by L-BFGS method with illumination analysis［J］.Geophysical Prospecting for Petroleum,2017,56(1):31-37

王华忠,冯波,王雄文,等.特征波反演成像理论框架［J］.石油物探,2017,56(1):38-49

WANG Huazhong,FENG Bo,WANG Xiongwen,et al.The theoretical framework of characteristic wave inversion imaging［J］.Geophysical Prospecting for Petroleum,2017,56(1):38-49

吴彦,马玥,刘玉金,等.全走时反演及其应用［J］.石油物探,2017,56(1):50-56

WU Yan,MA Yue,LIU Yujin,et al.Full-traveltime inversion and its application［J］.Geophysical Prospecting for Petroleum,2017,56(1):50-56

JIANG Wenbin,ZHANG Jie.Imaging complex near-surface structures in Yumen oil field by joint seismic traveltime and waveform inversion［J］.石油物探,2017,56(1):57-68

JIANG Wenbin,ZHANG Jie.Imaging complex near-surface structures in Yumen oil field by joint seismic traveltime and waveform inversion［J］.Geophysical Prospecting for Petroleum,2017,56(1):57-68

YIN Feng,Jerry HARRIS.Wave equation tomography in baseband with phase correction from the first arrival traveltimes［J］.石油物探,2017,56(1):69-74

YIN Feng,Jerry HARRIS.Wave equation tomography in baseband with phase correction from the first arrival traveltimes［J］.Geophysical Prospecting for Petroleum,2017,56(1):69-74

丁继才,孙文博,黄小刚,等.海上地震数据全波形反演实际应用［J］.石油物探,2017,56(1):75-80

DING Jicai,SUN Wenbo,HUANG Xiaogang,et al.The strategies of FWI realization for marine seismic data［J］.Geophysical Prospecting for Petroleum,2017,56(1):75-80

王杰,胡光辉,刘定进,等.陆上地震资料全波形反演策略研究［J］.石油物探,2017,56(1):81-88

WANG Jie,HU Guanghui,LIU Dingjin,et al.Strategy study on full waveform inversion for the land seismic data［J］.Geophysical Prospecting for Petroleum,2017,56(1):81-88

魏哲枫,朱成宏,陈业全.三维全波形反演高效异构并行计算［J］.石油物探,2017,56(1):89-98

WEI Zhefeng,ZHU Chenghong,CHEN Yequan.Efficient heterogeneous parallel computing of 3D full waveform inversion［J］.Geophysical Prospecting for Petroleum,2017,56(1):89-98

桂生,刘洪,李飞.简化的混合域全波形反演方法及GPU加速［J］.石油物探,2017,56(1):99-106

GUI Sheng,LIU Hong,LI Fei.Simplified hybrid domain FWI method and GPU acceleration［J］.Geophysical Prospecting for Petroleum,2017,56(1):99-106

冯海新,刘洪,孙军,等.基于GPU/CPU和震源随机编码技术的混合域全波形反演［J］.石油物探,2017,56(1):107-115

FENG Haixin,LIU Hong,SUN Jun,et al.Hybrid domain full waveform inversion based on GPU/CPU and source random coding technique［J］.Geophysical Prospecting for Petroleum,2017,56(1):107-115

李辉,王华忠,刘守伟.基于高斯束的速度层析方法研究［J］.石油物探,2017,56(1):116-125

LI Hui ,WANG Huazhong,LIU Shouwei.A velocity tomography algorithm based on Gaussian beam［J］.Geophysical Prospecting for Petroleum,2017,56(1):116-125

王咸彬,吴成梁.散乱数据插值方法及其在背景速度建模中的应用［J］.石油物探,2017,56(1):126-140

WANG Xianbin,WU Chengliang.Scattered data interpolation methods and its application in background velocity model building［J］.Geophysical Prospecting for Petroleum,2017,56(1):126-140

伍敦仕,孙成禹,林美言.基于频率-速度域多重信号分类的面波高分辨率频散成像方法［J］.石油物探,2017,56(1):141-149

WU Dunshi,SUN Chengyu,LIN Meiyan.High resolution dispersion imaging of surface waves based on multiple signal classification in frequency-velocity domain［J］.Geophysical Prospecting for Petroleum,2017,56(1):141-149

朱海波,杨心超,廖如刚,等.基于微地震裂缝参数反演的解释与应用研究［J］.石油物探,2017,56(1):150-157

ZHU Haibo,YANG Xinchao,LIAO Rugang,et al.Microseismic fracture interpretation and application based on parameters inversion［J］.Geophysical Prospecting for Petroleum,2017,56(1):150-157

# 2016年第6期（2016年11月）

郭念民,陈猛,崔永福,等.碳酸盐岩储层单点高密度采集三维地震勘探实例［J］.石油物探,2016,55(6):771-780,824

GUO Nianmin,CHEN Meng,CUI Yongfu,et al.The application of single-point high-density seismic acquisition for carbonate reservoir 3D seismic exploration［J］.Geophysical Prospecting for Petroleum,2016,55(6): 771-780,824

张衡,刘洪,李博,等.VTI介质声波方程非分裂式PML吸收边界条件研究［J］.石油物探,2016,55(6):781-792

ZHANG Heng,LIU Hong,LI Bo,et al.The research on unsplit PML absorbing boundary conditions of acoustic equation for VTI media［J］.Geophysical Prospecting for Petroleum,2016,55(6): 781-792

周凤玺,张家齐,张海威.完全匹配层中衰减函数的参数优化分析［J］.石油物探,2016,55(6): 793-799

ZHOU Fengxi,ZHANG Jiaqi,ZHANG Haiwei.The parameter optimization analysis for the attenuation function in the perfectly matched layer［J］.Geophysical Prospecting for Petroleum,2016,55(6):793-799

付继有,田坤,于海铖,等.声介质下基于波形互相关的反射波反演方法研究［J］.石油物探,2016,55(6):800-807

FU Jiyou,TIAN Kun,YU Haicheng,et al.The study of correlation-based reflections inversion in acoustic media［J］.Geophysical Prospecting for Petroleum,2016,55(6):800-807

王升超,韩立国,巩向博.基于各向异性Radon变换的叠前地震数据重建［J］.石油物探,2016,55(6):808-815

WANG Shengchao,HAN Liguo,GONG Xiangbo.Prestack seismic data reconstruction by anisotropic Radon transform［J］.Geophysical Prospecting for Petroleum,2016,55(6):808-815

张兴岩,潘冬明,史文英,等.浅水区海底电缆地震数据水层多次波压制技术及应用［J］.石油物探,2016,55(6):816-824,839

ZHANG Xingyan,PAN Dongming,SHI Wenying,et al.Water layer multiple attenuation technique for OBC seismic data in shallow water area and its application［J］.Geophysical Prospecting for Petroleum,2016,55(6): 816-824,839

王克非,郑超,薛为平,等.准噶尔盆地腹部沙漠区长波长静校正分析与应用研究［J］.石油物探,2016,55(6):825-830

WANG Kefei,ZHENG Chao,XUE Weiping,et al.Analysis and application on long wavelength static correction in desert area of central Junggar Basin［J］.Geophysical Prospecting for Petroleum,2016,55(6):825-830

王高峰,刘宏,刘南,等.川西北剑阁地区上二叠统长兴组生物礁储层的地球物理特征及正演模拟［J］.石油物探,2016,55(6):831-839

WANG Gaofeng,LIU Hong,LIU Nan,et al.Seismic forward modeling on the reef reservoir of Upper Permian Changxing formation in Jiange area,northwest Sichuan Basin［J］.Geophysical Prospecting for Petroleum,2016,55(6):831-839

董马超,吕海涛,蒲仁海,等.塔中东部走滑断裂带特征及油气地质意义［J］.石油物探,2016,55(6):840-850

DONG Machao,LV Haitao,PU Renhai,et al.Characteristics of strike-slip fault belt and its hydrocarbon geological significance in the eastern area of central Tarim Basin［J］.Geophysical Prospecting for Petroleum,2016,55(6):840-850

王飞,边会媛,张永浩,等.Hilbert-Huang变换联合平滑伪Wigner-Ville时频分布识别储层流体性质［J］.石油物探,2016,55(6):851-860

WANG Fei,BIAN Huiyuan,ZHANG Yonghao,et al.Hilbert-Huang transform combined with smoothed pseudo Wigner-Ville time-frequency distribution to identify reservoir fluid properties［J］.Geophysical Prospecting for Petroleum,2016,55(6):851-860

尹帅,丁文龙,王濡岳,等.海陆过渡相致密砂岩储层Biot系数自适应预测方法研究［J］.石油物探,2016,55(6):861-868

YIN Shuai,DING Wenlong,WANG Ruyue,et al.A new prediction method of Biot coefficient for marine-land transition phase tight sandstone reservoir based on the self-adapt method［J］.Geophysical Prospecting for Petroleum,2016,55(6):861-868

莫修文,李晓,张强.萤火虫算法在凝灰质砂岩储层测井解释中的应用［J］.石油物探,2016,55(6):869-878

MO Xiuwen,LI Xiao,ZHANG Qiang.Application of glowworm swarm optimization algorithm in the log interpretation for tuffaceous sandstone reservoir［J］.Geophysical Prospecting for Petroleum,2016,55(6):869-878

赵桂萍,李良.杭锦旗地区基于测井响应特征的泥质烃源岩有机质丰度评价研究［J］.石油物探,2016,55(6):879-886,893

ZHAO Guiping,LI Liang.Evaluation on abundance of organic matter for shaly source rocks based on well log responses in Hangjiqi area,Ordos Basin［J］.Geophysical Prospecting for Petroleum,2016,55(6):879-886,893

刘福平,陈小安,孟宪军,等.测量电极接触电阻的过套管电阻率测井响应数值模拟与分析［J］.石油物探,2016,55(6):887-893

LIU Fuping,CHEN Xiaoan,MENG Xianjun,et al.The numerical simulation and analysis of resistivity logging responses for the contact resistance of logging tools electrodes through casing［J］.Geophysical Prospecting for Petroleum,2016,55(6):887-893

向葵,严良俊,胡华,等.南方海相页岩脆性指数与电性关系分析［J］.石油物探,2016,55(6): 894-903

XIANG Kui,YAN Liangjun,HU Hua,et al.Relationship analysis between brittle index and electrical properties of marine shale in South China［J］.Geophysical Prospecting for Petroleum,2016,55(6):894-903

蔡剑华,熊锐.基于频率切片小波变换的时频分析与MT信号去噪［J］.石油物探,2016,55(6):904-912

CAI Jianhua,XIONG Rui.Magnetotelluric data denosing based on time-frequency analysis of the frequency slice wavelet transform［J］.Geophysical Prospecting for Petroleum,2016,55(6):904-912

周小慧,宋桂桥,张卫华,等.随钻地震技术及其新进展［J］.石油物探,2016,55(6):913-923

ZHOU Xiaohui,SONG Guiqiao,ZHANG Weihua,et al.Current research progress of seismic while drilling technology［J］.Geophysical Prospecting for Petroleum,2016,55(6):913-923

# 2016年第5期（2016年9月）

甘利灯,戴晓峰,张昕,等.测井-地震-油藏模拟一体化技术及其在老油田挖潜中的应用［J］.石油物探,2016,55(5):617-639

GAN Lideng,DAI Xiaofeng,ZHANG Xin,et al. Research and application on well-seismic-reservoir integration technology for mature oilfield development［J］.Geophysical Prospecting for Petroleum,2016,55(5):617-639

杨心超,朱海波,李宏,等.基于P波辐射花样的压裂微地震震源机制反演方法研究及应用［J］.石油物探,2016,55(5):640-648

YANG Xinchao,ZHU Haibo,LI Hong,et al.Microseismic focal mechanism inversion based on P-wave radiation pattern and its application［J］.Geophysical Prospecting for Petroleum,2016,55(5):640-648

化世榜,印兴耀,宗兆云,等.一种改进的泥质砂岩岩石物理模型［J］.石油物探,2016,55(5): 649-656

HUA Shibang,YIN Xingyao,ZONG Zhaoyun,et al.An improved rock physics model for shale sandstone［J］.Geophysical Prospecting for Petroleum,2016,55(5):649-656

李肃义,蒋善庆,王跃洋,等.海洋可控源电磁数据中海水扰动噪声的小波校正方法研究［J］.石油物探,2016,55(5):657-663

LI Suyi,JIANG Shanqing,WANG Yueyang,et al.A wavelet correction method for the seawater turbulence noise in marine controlled-source electectromagnetic data［J］.Geophysical Prospecting for Petroleum,2016,55(5):657-663

孙成禹,谢俊法,闫月锋,等.一种无拉伸畸变的动校正方法［J］.石油物探,2016,55(5):664-673

SUN Chengyu,XIE Junfa,YAN Yuefeng,et al.A NMO correction method without stretching distortion［J］.Geophysical Prospecting for Petroleum,2016,55(5):664-673

佟恺林,李瑞,潘树林,等.多波联合的转换波折射静校正技术及应用［J］.石油物探,2016,55(5):674-681

TONG Kailin,LI Rui,PAN Shulin,et al.Refraction static correction technique for multi-wave joint converted wave and its application［J］.Geophysical Prospecting for Petroleum,2016,55(5):674-681

冯飞,王征,刘成明,等.基于Shearlet变换稀疏约束地震数据重建［J］.石油物探,2016,55(5):682-691

FENG Fei,WANG Zheng,LIU Chengming,et al.Seismic data reconstruction based on sparse constraint in the Shearlet domain［J］.Geophysical Prospecting for Petroleum,2016,55(5):682-691

沈鸿雁,李庆春,严月英,等.多道瞬态面波相速度分析［J］.石油物探,2016,55(5):692-702

SHEN Hongyan,LI Qingchun,YAN Yueying,et al.Phase velocity analysis of multi-channel transient surface wave［J］.Geophysical Prospecting for Petroleum,2016,55(5):692-702

寻超,汪超,王赟.多方向矢量中值滤波在多分量地震数据中的应用［J］.石油物探,2016,55(5):703-710

XUN Chao,WANG Chao,WANG Yun.The application of multi-directional vector median filtering in multi-component seismic data［J］.Geophysical Prospecting for Petroleum,2016,55(5):703-710

巩向博,韩立国,王升超.混合域高分辨率双曲Radon变换及其在多次波压制中的应用［J］.石油物探,2016,55(5):711-718

GONG Xiangbo,HAN Liguo,WANG Shengchao.High-resolution hyperbolic Radon transform and its application in multiple suppression［J］.Geophysical Prospecting for Petroleum,2016,55(5):711-718

马光克,李洋森,孙万元,等.可变网格高阶有限差分法逆时偏移研究［J］.石油物探,2016,55(5):719-736

MA Guangke,LI Yangsen,SUN Wanyuan,et al.Acoustic pre-stack reverse time migration using variable grid finite-difference method［J］.Geophysical Prospecting for Petroleum,2016,55(5):719-736

张华,贺振华,李亚林,等.基于ADM谱反演的高分辨率裂缝预测技术研究及应用［J］.石油物探,2016,55(5):737-745

ZHANG Hua,HE Zhenhua,LI Yalin,et al.Research and application of high resolution fracture prediction technology based on ADM spectral inversion［J］.Geophysical Prospecting for Petroleum,2016,55(5):737-745

张世鑫,韩文明,杜向东,等.两角度弹性阻抗反演技术在Albert湖盆非固结砂岩储层预测中的应用［J］.石油物探,2016,55(5):746-753

ZHANG Shixin,HAN Wenming,DU Xiangdong,et al.Unconsolidated sand reservoir prediction in Albert Lake Basin using two angle elastic impedance inversion technique［J］.Geophysical Prospecting for Petroleum,2016,55(5):746-753

侯伯刚,韩大匡,刘文岭,等.变差函数的参数和井数对随机反演精度影响的分析［J］.石油物探,2016,55(5):754-763

HOU Bogang,HAN Dakuang,LIU Wenling,et al.Analysis on the influence of variogram and well number on the precision of seismic stochastic inversion［J］.Geophysical Prospecting for Petroleum,2016,55(5):754-763

张兆辉,陈华勇,高艳玲,等.克拉美丽气田火山岩岩性测井识别技术研究［J］.石油物探,2016,55(5):764-770

ZHANG Zhaohui,CHEN Huayong,GAO Yanling,et al.Study on lithology identification of igneous rocks in Kelameili Gasfield by well logging［J］.Geophysical Prospecting for Petroleum,2016,55(5):764-770

# 2016年第4期（2016年7月）

王华忠,冯波,王雄文,等.压缩感知及其在地震勘探中的应用［J］.石油物探,2016,55(4):467-474

WANG Huazhong,FENG Bo,WANG Xiongwen,et al.Compressed sensing and its application in seismic exploration［J］.Geophysical Prospecting for Petroleum,2016,55(4):467-474

巩长春,刘韬,李琳,等.镜像法表面多次波正演模拟研究［J］.石油物探,2016,55(4):475-482

GONG Changchun,LIU Tao,LI Lin,et al.Free surface multiples modeling with mirror image method［J］.Geophysical Prospecting for Petroleum,2016,55(4):475-482

丁鹏程,杨国权,李振春,等.基于三维多模板快速推进算法的复杂近地表射线追踪［J］.石油物探,2016,55(4):483-492

DING Pengcheng,YANG Guoquan,LI Zhenchun,et al.Ray tracing based on 3D multi-stencils fast marching algorithm for complex near-surface model［J］.Geophysical Prospecting for Petroleum,2016,55(4):483-492

邸志欣,张丽娜,邓光校.塔河油田高精度勘探地震采集技术分析与实践［J］.石油物探,2016,55(4):493-505

DI Zhixin,ZHANG Li’na,DENG Guangxiao.Analysis and application on high-precision seismic acquisition technology in Tahe Oilfield［J］.Geophysical Prospecting for Petroleum,2016,55(4):493-505

钱忠平,陈海峰,黄少卿,等.一种高效稳定的三维叠前插值技术及应用［J］.石油物探,2016,55(4):506-515

QIAN Zhongping,CHEN Haifeng,HUANG Shaoqing,et al.An efficient and stable 3D prestack trace interpolation technique and its application［J］.Geophysical Prospecting for Petroleum,2016,55(4):506-515

孙维蔷,王华忠.基于平面波编码的水体相关多次波压制方法研究［J］.石油物探,2016,55(4):516-523

SUN Weiqiang,WANG Huazhong.Water-layer related multiple suppression based on plane-wave coding［J］.Geophysical Prospecting for Petroleum,2016,55(4):516-523

崔永福,郭念民,吴国忱,等.不规则观测系统数据规则化及在相干噪声压制中的应用［J］.石油物探,2016,55(4):524-532

CUI Yongfu,GUO Nianmin,WU Guochen,et al.Regularization of irregular geometry seismic data and its application in the coherent noise suppression［J］.Geophysical Prospecting for Petroleum,2016,55(4):524-532

费建博,杨子川.双界面匹配一体化速度建模技术研究与应用［J］.石油物探,2016,55(4):533-539

FEI Jianbo,YANG Zichuan.Double interfaces matching integrated velocity model building and its application to Yangxia area at the piedmont zone in the South of Tianshan Mountain［J］.Geophysical Prospecting for Petroleum,2016,55(4):533-539

刘文岭,王大星,萧希航,等.复杂油藏井震联合等时地层对比技术与应用［J］.石油物探,2016,55(4):540-549

LIU Wenling,WANG Daxing,XIAO Xihang,et al.Isochronous stratigraphic correlation of logging-seismic combination for complex reservoirs:a case study from Wangxuzhuang oilfield［J］.Geophysical Prospecting for Petroleum,2016,55(4):540-549

唐武,王英民,赵志刚,等.塔河地区三叠系上油组下切谷的识别及意义［J］.石油物探,2016,55(4):550-558

TANG Wu,WANG Yingmin,ZHAO Zhigang,et al.The identification of incised valley depositional systems in upper oil-member of Triassic,Tahe area［J］.Geophysical Prospecting for Petroleum,2016,55(4):550-558

胡勇,韩立国,张盼,等.混合超记忆梯度法多尺度全波形反演［J］.石油物探,2016,55(4):559-567

HU Yong,HAN Liguo,ZHANG Pan,et al.Multi-scale full waveform inversion with hybrid super memory gradient method［J］.Geophysical Prospecting for Petroleum,2016,55(4):559-567

杨贺龙,韩立国,陈雪.波场相位相关时移全波形反演［J］.石油物探,2016,55(4):568-575

YANG Helong,HAN Liguo,CHEN Xue.Wavefield phase correlation shifting full waveform inversion［J］.Geophysical Prospecting for Petroleum,2016,55(4):568-575

郭继亮,李宏兵,李明,等.一种体现孔隙形态影响的四参数孔隙度反演方法［J］.石油物探,2016,55(4):576-586

GUO Jiliang,LI Hongbing,LI Ming,et al.Four parameters porosity inversion method representing the effect of pore morphology［J］.Geophysical Prospecting for Petroleum,2016,55(4):576-586

张远银,孙赞东,金之钧.P-P与P-SV波联合反演方法分类与对比［J］.石油物探,2016,55(4):587-596

ZHANG Yuanyin,SUN Zandong,JIN Zhijun.Classification and quantitative comparison of P-P and P-SV wave joint inversion methods［J］.Geophysical Prospecting for Petroleum,2016,55(4):587-596

陈超,屈大鹏,王明飞,等.川东南焦石坝地区海相泥页岩含气量预测方法探讨［J］.石油物探,2016,55(4):597-605

CHEN Chao,QU Dapeng,WANG Mingfei,et al.Prediction method of gas content in marine mud shale at JSB area in southeast Sichuan Basin［J］.Geophysical Prospecting for Petroleum,2016,55(4):597-605

梁岳,顾汉明,姚知铭.改进的希尔伯特-黄变换在储层预测中的应用［J］.石油物探,2016,55(4):606-615

LIANG Yue,GU Hanming,YAO Zhiming.The application of improved Hilbert-Huang transform in reservoir prediction［J］.Geophysical Prospecting for Petroleum,2016,55(4):606-615

# 2016年第3期（2016年5月）

印兴耀,刘欣欣.储层地震岩石物理建模研究现状与进展［J］.石油物探,2016,55(3):309-325

YIN Xingyao,LIU Xinxin.Research status and progress of the seismic rockphysics modeling methods ［J］.Geophysical Prospecting for Petroleum,2016,55(3):309-325

尹帅,丁文龙,孙圆辉,等.不同围压条件下含气致密砂岩孔裂隙形态演化试验研究［J］.石油物探,2016,55(3):326-332

YIN Shuai,DING Wenlong,SUN Yuanhui,et al.Experimental study on pore/fissure morphology evolution of gas-bearing tight sandstone under different confining pressure conditions［J］.Geophysical Prospecting for Petroleum,2016,55(3):326-332

陈高翔,田钢.基于弹性波动力学的检波器-介质耦合系统研究［J］.石油物探,2016,55(3): 333-340

CHEN Gaoxiang,TIAN Gang.Geophone-media coupling system based on elastic wave dynamics［J］.Geophysical Prospecting for Petroleum,2016,55(3):333-340

吕晓春,李鹏,孙常新,等.海上多方位观测系统照明分析［J］.石油物探,2016,55(3):341-349

LV Xiaochun,LI Peng,SUN Changxin,et al.Illumination analysis for offshore multi-azimuth seismic survey［J］.Geophysical Prospecting for Petroleum,2016,55(3):341-349

徐维秀,段卫星,杨晶,等.地震勘探采集工程软件集成与移植技术探讨［J］.石油物探,2016,55(3):350-356

XU Weixiu,DUAN Weixing,YANG Jing,et al.Technology discussion on the integration and transplantation of seismic data acquisition engineering softwares［J］.Geophysical Prospecting for Petroleum,2016,55(3):350-356

张兴岩,潘冬明,李列,等.共炮检距矢量域海底电缆数据规则化技术及应用［J］.石油物探,2016,55(3):357-364

ZHANG Xingyan,PAN Dongming,LI Lie,et al.The regularization of ocean bottom cable data in common offset vector domain and its application［J］.Geophysical Prospecting for Petroleum,2016,55(3):357-364

董建华.时频面的双曲网格剖分及其应用［J］.石油物探,2016,55(3):365-375

DONG Jianhua.Hyperbolic bins subdivision in the time-frequency plane and its application［J］.Geophysical Prospecting for Petroleum,2016,55(3):365-375

贾海青,姜弢,林君,等.基于局部相关加权的时域地震波束形成方法［J］.石油物探,2016,55(3):376-387

JIA Haiqing,JIANG Tao,LIN Jun,et al.Time-domain seismic beam-forming method based on weighted local correlation［J］.Geophysical Prospecting for Petroleum,2016,55(3):376-387

段中钰,王润秋,路长革,等.点源干扰的形态学降噪技术［J］.石油物探,2016,55(3):388-394

DUAN Zhongyu,WANG Runqiu,LU Changge,et al.The morphologic noise attenuation technology for point source diffracted interference［J］.Geophysical Prospecting for Petroleum,2016,55(3):388-394

曲英铭,李振春,韩文功,等.可控震源高效采集数据特征干扰压制技术［J］.石油物探,2016,55(3):395-407

QU Yingming,LI Zhenchun,HAN Wengong,et al.The elimination technology for special interference in vibroseis efficient acquisition data［J］.Geophysical Prospecting for Petroleum,2016,55(3):395-407

田继先,曾旭,王文卓,等.柴达木盆地第四系疏松砂岩地层生物气含气检测方法探讨［J］.石油物探,2016,55(3):408-413

TIAN Jixian,ZENG Xu,WANG Wenzhuo,et al.The detection of biogas in unconsolidated sandstone formation of the Quaternary in Qaidam Basin［J］.Geophysical Prospecting for Petroleum,2016,55(3):408-413

罗红梅.地震DNA地层超剥点线识别技术及应用［J］.石油物探,2016,55(3):414-424

LUO Hongmei.Stratigraphic pitching-out point and line identification technology based on seismic DNA and its application［J］.Geophysical Prospecting for Petroleum,2016,55(3):414-424

刘勇,方伍宝,李振春,等.基于叠前地震的脆性预测方法及应用研究［J］.石油物探,2016,55(3):425-432

LIU Yong,FANG Wubao,LI Zhenchun,et al.Brittleness prediction and application based on pre-stack seismic inversion［J］.Geophysical Prospecting for Petroleum,2016,55(3):425-432

尹继尧,钟磊,张吉辉,等.基于连续小波变换目标处理技术在储层预测中的应用［J］.石油物探,2016,55(3):433-440

YIN Jiyao,ZHONG Lei,ZHANG Jihui,et al.Target processing by continuous wavelet transform coefficients applied to reservoir prediction［J］.Geophysical Prospecting for Petroleum,2016,55(3):433-440

李辉,毕俊凤,孙超,等.孤北洼陷沙三中亚段砂岩储层地震预测方法［J］.石油物探,2016,55(3):441-448

LI Hui,BI Junfeng,SUN Chao,et al.Seismic prediction for sandstone reservoir in middle subsection of Sha\_3 member,Gubei Subsag［J］.Geophysical Prospecting for Petroleum,2016,55(3):441-448

左程吉,王祝文,向旻,等.基于电成像测井孔隙度分析技术的火山岩孔隙径向非均质性研究［J］.石油物探,2016,55(3):449-454

ZUO Chenji,WANG Zhuwen,XIANG Min,et al.The radial pore heterogeneity of volcanic reservoir based on the porosity analysis of micro-electric imaging logging［J］.Geophysical Prospecting for Petroleum,2016,55(3):449-454

王智,潘和平,吴爱平,等.基于不等式约束的井中激电三维反演研究［J］.石油物探,2016,55(3):455-466

WANG Zhi,PAN Heping,WU Aiping,et al.3D inversion of borehole induced polarization under the inequality constraint［J］.Geophysical Prospecting for Petroleum,2016,55(3):455-466

# 2016年第2期（2016年3月）

李振春,曲英铭,韩文功,等.可控震源两种谐波产生机理与特征研究［J］.石油物探,2016,55(2):159-172

LI Zhenchun,QU Yingming,HAN Wengong,et al.Generation mechanism and characteristics of two kinds of harmonic waves for vibroseis［J］.Geophysical Prospecting for Petroleum,2016,55(2): 159-172

李伟波,李培明,睢永平.地震资料空间分辨率计算及理论分析［J］.石油物探,2016,55(2):173-177

LI Weibo,LI Peiming,SUI Yongping.Calculation and theoretical analysis of the spatial resolution of seismic data［J］.Geophysical Prospecting for Petroleum,2016,55(2):173-177

张世鑫,杜向东,韩文明,等.适于Russell流体因子提取的孔隙弹性介质反射系数近似方程［J］.石油物探,2016,55(2):178-187

ZHANG Shixin,DU Xiangdong,HAN Wenming,et al.A reflection coefficient approximation equation of poroelastic media for Russell fluid factor estimation［J］.Geophysical Prospecting for Petroleum,2016,55(2): 178-187

刘忠群,杜春江,金东民.黄土塬区三维地震采集炮检点优化设计技术研究及应用［J］.石油物探,2016,55(2):188-195

LIU Zhongqun,DU Chunjiang,JIN Dongmin.Optimization design of shot-receiver points for 3D seismic acquisition in loess tableland［J］.Geophysical Prospecting for Petroleum,2016,55(2): 188-195

孙成禹,邵婕,蓝阳,等.基于独立分量分析基的地震随机噪声压制［J］.石油物探,2016,55(2):196-204

SUN Chengyu,SHAO Jie,LAN Yang,et al.Seismic random noise suppression based on independent component analysis basis functions［J］.Geophysical Prospecting for Petroleum,2016,55(2):196-204

马继涛,王建花,刘国昌.基于频率域奇异值分解的地震数据插值去噪方法研究［J］.石油物探,2016,55(2):205-213

MA Jitao,WANG Jianhua,LIU Guochang.Seismic data noise attenuation and interpolation using singular value decomposition in frequency domain［J］.Geophysical Prospecting for Petroleum,2016,55(2):205-213

岳龙,刘怀山,尹燕欣,等.基于连续小波变换的面波衰减方法研究［J］.石油物探,2016,55(2):214-222

YUE Long,LIU Huaishan,YIN Yanxin,et al.Attenuation of ground roll based on continuous wavelet transform［J］.Geophysical Prospecting for Petroleum,2016,55(2):214-222

段心标,王华忠,白英哲,等.基于GPU的三维起伏地表单程波叠前深度偏移［J］.石油物探,2016,55(2):223-230

DUAN Xinbiao,WANG Huazhong,BAI Yingzhe,et al.3D one-way wave equation prestack depth migration from topography based on the acceleration of GPU［J］.Geophysical Prospecting for Petroleum,2016,55(2):223-230

黄建平,高国超,李振春.起伏地表最小二乘傅里叶有限差分偏移方法及应用［J］.石油物探,2016,55(2):231-240

HUANG Jianping,GAO Guochao,LI Zhenchun.The theory and application of least-squares Fourier finite-difference migration from topography［J］.Geophysical Prospecting for Petroleum,2016,55(2):231-240

曲英铭,李振春,黄建平,等.基于多尺度双变网格的时间域全波形反演［J］.石油物探,2016,55(2):241-250

QU Yingming,LI Zhenchun,HUANG Jianping,et al.Full waveform inversion based on multi-scale dual-variable grid in time domain［J］.Geophysical Prospecting for Petroleum,2016,55(2):241-250

宋鹏,王修田.基于多卡GPU的随机炮分配相位编码全波形反演［J］.石油物探,2016,55(2):251-260

SONG Peng,WANG Xiutian.The phase-encoding full waveform inversion with random shots allocation based on the acceleration of multi-card GPU［J］.Geophysical Prospecting for Petroleum,2016,55(2)251:-260

张军华,范腾腾,杨勇,等.永进油田西山窑组砂岩储层尖灭线的地震识别技术［J］.石油物探,2016,55(2):261-270

ZHANG Junhua,FAN Tengteng,YANG Yong,et al.Seismic recognition techniques for sandstone reservoir pinch-out line in Xishanyao formation in Yongjin Oilfield［J］.Geophysical Prospecting for Petroleum,2016,55(2):261-270

郭欣,雍学善,高建虎,等.基于频率域多阶微分融合的地震频带拓宽方法研究［J］.石油物探,2016,55(2):271-279

GUO Xin,YONG Xueshan,GAO Jianhu,et al.Seismic bandwidth broadening method based on multi-order differential fusion in frequency domain［J］.Geophysical Prospecting for Petroleum,2016,55(2):271-279

朱博华,向雪梅,张卫华.匹配追踪强反射层分离方法及应用［J］.石油物探,2016,55(2):280-287

ZHU Bohua,XIANG Xuemei,ZHANG Weihua.Strong reflection horizons separation based on matching pursuit algorithm and its application［J］.Geophysical Prospecting for Petroleum,2016,55(2):280-287

杨怀杰,潘和平,孟庆鑫,等.导电围岩对井中三维瞬变电磁响应的影响规律研究［J］.石油物探,2016,55(2):288-293

YANG Huaijie,PAN Heping,MENG Qingxin,et al.Influence laws of conductive host on borehole 3D transient electromagnetic responses［J］.Geophysical Prospecting for Petroleum,2016,55(2):288-293

徐凤姣,谢兴兵,周磊,等.时域电磁法在我国南方富有机质页岩勘探中的可行性分析［J］.石油物探,2016,55(2):294-302

XU Fengjiao,XIE Xingbing,ZHOU Lei,et al.The feasibility of TDEM in the exploration for rich organic shale reservoir in Southern China［J］.Geophysical Prospecting for Petroleum,2016,55(2):294-302

吴学兵,刘英明,高侃.干涉型光纤地震检波器研发及效果分析［J］.石油物探,2016,55(2):303-308

WU Xuebing,LIU Yingming,GAO Kan.Development and application effect analysis of fiber interferometric geophone［J］.Geophysical Prospecting for Petroleum,2016,55(2):303-308

# 2016年第1期（2016年1月）

马永生,张建宁,赵培荣,等.物探技术需求分析及攻关方向思考［J］.石油物探,2016,55(1):1-9

MA Yongsheng,ZHANG Jianning,ZHAO Peirong,et al.Requirement analysis and research direction for the geophysical prospecting technology of SINOPEC［J］.Geophysical Prospecting for Petroleum,2016,55(1):1-9

刘喜武,刘宇巍,霍志周,等.页岩油气层地震岩石物理计算方法研究［J］.石油物探,2016,55(1):10-17

LIU Xiwu,LIU Yuwei,HUO Zhizhou,et al.Study on seismic rock physics computational method for shale reservoir［J］.Geophysical Prospecting for Petroleum,2016,55(1):10-17

郭立鹏,杨勤勇,李振春,等.复杂各向异性介质初至波射线追踪［J］.石油物探,2016,55(1):18-24

GUO Lipeng,YANG Qinyong,LI Zhenchun,et al.First arrival ray tracing in complex anisotropic medium［J］.Geophysical Prospecting for Petroleum,2016,55(1):18-24

黄光南,邓居智,李红星,等.非均匀节点网格TI介质反射波射线追踪研究［J］.石油物探,2016,55(1):25-32

HUANG Guangnan,DENG Juzhi,LI Hongxing,et al.Reflected wave ray tracing in TI medium based on the nonuniform node meshes［J］.Geophysical Prospecting for Petroleum,2016,55(1):25-32

王颖,周辉,盛善波.贴体坐标系二维声波方程SBP有限差分法的稳定性分析［J］.石油物探,2016,55(1):33-40

WANG Ying,ZHOU Hui,SHENG Shanbo.Stability analysis of SBP finite difference scheme for two-dimensional acoustic wave equation in boundary-conforming grids［J］.Geophysical Prospecting for Petroleum,2016,55(1):33-40

张繁昌,张汛汛,张立强,等.基于自适应子波分解的品质因子*Q*提取方法［J］.石油物探,2016,55(1):41-48

ZHANG Fanchang,ZHANG Xunxun,ZHANG Liqiang,et al.Extraction method for quality factor *Q* based on adaptive wavelet decomposition［J］.Geophysical Prospecting for Petroleum,2016,55(1):41-48

刘定进，刘志成，蒋波.面向复杂山前带的深度域地震成像处理研究［J］.石油物探,2016,55(1):49-59

LIU Dingjin,LIU Zhicheng,JIANG Bo.The processing workflow of depth domain imaging facing the complex piedmont belt［J］.Geophysical Prospecting for Petroleum,2016,55(1):49-59

秦晅,宋维琪.基于同步压缩变换微地震弱信号提取方法研究［J］.石油物探,2016,55(1):60-66

QIN Xuan,SONG Weiqi.Weak signal extraction method of microseismic data based on synchrosqueezing transform［J］.Geophysical Prospecting for Petroleum,2016,55(1):60-66

刘婷婷,陈阳康.*f-x*域经验模式分解与多道奇异谱分析相结合去除随机噪声［J］.石油物探,2016,55(1):67-75

LIU Tingting,CHEN Yangkang.Random noise attenuation based on EMD and MSSA in *f-x* domain［J］.Geophysical Prospecting for Petroleum,2016,55(1):67-75

蔡杰雄,王华忠,王立歆.基于三维高斯束算子解析的方位-反射角道集提取技术研究［J］.石油物探,2016,55(1):76-83

CAI Jiexiong,WANG Huazhong,WANG Lixin.Azimuth-opening angle domain common-image gathers from 3D Gaussian beam migration［J］.Geophysical Prospecting for Petroleum,2016,55(1):76-83

袁刚,王西文,雍运动,等.宽方位数据的炮检距向量片域处理及偏移道集校平方法［J］.石油物探,2016,55(1):84-90

YUAN Gang,WANG Xiwen,YONG Yundong,et al.Wide-azimuth data migration in OVT domain and OVG flattening［J］.Geophysical Prospecting for Petroleum,2016,55(1):84-90

邵荣峰,方伍宝,蔡杰雄,等.高斯束层析偏移速度建模方法及应用［J］.石油物探,2016,55(1):91-99

SHAO Rongfeng,FANG Wubao,CAI Jiexiong,et al.A method of migration velocity analysis based on Gaussian Beam tomography and its application［J］.Geophysical Prospecting for Petroleum,2016,55(1):91-99

马智,郭同翠,李昊宸,等.阿姆河右岸复杂膏盐岩地震响应特征研究［J］.石油物探,2016,55(1):100-106

MA Zhi,GUO Tongcui,LI Haochen,et al.Seismic response characteristics of complex halo-anhydrite in Amu Darya right bank［J］.Geophysical Prospecting for Petroleum,2016,55(1):100-106

梁全胜.鄂尔多斯盆地高家河地区上古生界地震沉积学研究［J］.石油物探,2016,55(1): 107-114

LIANG Quansheng.Seismic sedimentology study on Upper Paleozoic in Gaojiahe Area,Erdos Basin［J］.Geophysical Prospecting for Petroleum,2016,55(1):107-114

印兴耀,刘晓晶,吴国忱,等.模型约束基追踪反演方法［J］.石油物探,2016,55(1):115-122

YIN Xingyao,LIU Xiaojing,WU Guochen,et al.Basis pursuit inversion method under model constraint［J］.Geophysical Prospecting for Petroleum,2016,55(1):115-122

王毓玮,董良国,黄超,等.弹性波全波形反演目标函数性态与反演策略［J］.石油物探,2016,55(1):123-132

WANG Yuwei,DONG Liangguo,HUANG Chao,et al.Objective function behavior and inversion strategy in elastic full-waveform inversion［J］.Geophysical Prospecting for Petroleum,2016,55(1):123-132

王官超,杜启振.基于包络目标函数的弹性波波形反演［J］.石油物探,2016,55(1):133-141

WANG Guanchao,DU Qizhen.Elastic full waveform inversion based on envelope objective function［J］.Geophysical Prospecting for Petroleum,2016,55(1):133-141

刘杰,张忠涛,刘道理,等.强反射背景下沉积体边界检测及流体识别方法［J］.石油物探,2016,55(1):142-149

LIU Jie,ZHANG Zhongtao,LIU Daoli,et al.Sediment boundary identification and fluid detection for the seismic data with strong background reflections［J］.Geophysical Prospecting for Petroleum,2016,55(1):142-149

狄贵东,孙赞东,庞雄奇,等.应力场模拟约束下的碳酸盐岩裂缝综合预测［J］.石油物探,2016,55(1):150-156

DI Guidong,SUN Zandong,PANG Xiongqi,et al.Comprehensive fracture prediction technology constrained by stress field simulation:a case study from ZG8 area of central Tarim Basin［J］.Geophysical Prospecting for Petroleum,2016,55(1):150-156