**Tight Oil Bibliography**

Selected References— Revised April 2021

These bibliographic references have been compiled as a TSOP project, and organic petrologists have found the references to be useful in their work. They should be available at university or geological research center libraries. They are not available from TSOP.

Abarghani, A., M. Ostadhassan, T. Gentzis, H. Carvajal-Ortiz, and B. Bubach, 2018, Organofacies study of the Bakken source rock in North Dakota, USA, based on organic petrology and geochemistry: International Journal of Coal Geology, v. 188, p. 79-93.

Abarghani, A., M. Ostadhassan, T. Gentzis, H. Carbajal-Ortiz, S. Ocubalidet, B. Bubach, M. Mann, and X. Hou, 2019, Correlating Rock-Eval Tmax with bitumen reflectance from organic petrology in the Bakken Formation: International Journal of Coal Geology, v. 205, p. 87-104.

Abarghani, A., M. Ostadhassan, B. Bubach, and P. Zhao, 2019, Estimation of thermal maturity in the Bakken source rock from a combination of well logs, North Dakota, USA: Marine and Petroleum Geology, v. 105, p. 32-44.

Abarghani, A., T. Gentzis, B. Liu, S. Khatibi, B. Bubach, and M. Ostadhassan, in press, Preliminary investigation of the effects of thermal maturity on redox-sensitive trace metal concentration in the Bakken source rock, North Dakota, USA: American Chemical Society, Omega.

Abdel-Rahman, M.A., 2013, Resource plays could help refill trans-Alaska pipeline: Oil & Gas Journal, v. 111.1, p. 52-63.

Abraham, K., 2012, Congressman Olson visits the Eagle Ford Shale: World Oil, v. 233, no. 4, p. 79-82.

Adair, L.S., and S.L. Starr, 2012, Eagle Ford impacting liquids market: American Oil & Gas Reporter, v. 55, no. 3, p. 115-121.

Aderoju, T., and S.L. Bend, 2014, Organic matter variations within the Bakken shales of Saskatchewan: With implications upon origin and timing of hydrocarbon generation: AAPG Search and Discovery Article 41333, 7 slides. <http://www.searchanddiscovery.com/documents/2014/41333aderoju/ndx_aderoju.pdf>

Aderoju, T., and S.L. Bend, 2018, Reconstructing the palaeoecosystem and palaeodepositional environment within the Upper Devonian-Lower Mississippian Bakken Formation: A biomarker approach: Organic Geochemistry, v. 119, p. 91-100.

Adeyilola, A., S. Nordeng, C. Onwumelu, F. Nwachukwu, and T. Gentzis, 2020, Geochemical, petrographic and petrophysical characterization of the Lower Bakken Shale, Divide County, North Dakota: International Journal of Coal Geology, v. 224, 103477.

Agin, N., 2012, Permian Basin undergoes liquids revival: Hart Energy Publishing, E&P, v. 85, no. 1, p. 64, 66. (Bone Spring; Wolfcamp)

Agin, N., 2012, South America rising: Hart Energy Publishing, E&P, v. 85, no. 7, p. 40-43. (Argentina, Colombia)

Aguilera, R., ed., 2018, Unconventional gas and tight oil exploitation: Society of Petroleum Engineers, Monograph Series, 445 p.

Aguilera, R., 2018, Tight gas and tight oil development, in R. Aguilera, ed., Unconventional gas and tight oil exploitation: Society of Petroleum Engineers, Monograph Series, p. 103-173.

Aguilera, R., 2018, Shale gas and liquid-rich shale, in R. Aguilera, ed., Unconventional gas and tight oil exploitation: Society of Petroleum Engineers, Monograph Series, p. 267-323.

Alaniz, R., R. Garrison, R. Harbor, S. Keenan, and C. Pieprzica, 2016, Delination of an oil window — An integrated approach, in J.A. Breyer, ed., The Eagle Ford Shale: A renaissance in U.S. oil production: AAPG Memoir 110, p. 187-212.

Alfi, M., B. Yan, and J. Killough, 2015, Microscale technique models production mechanisms in shale reservoirs: American Oil & Gas Reporter, v. 58, no. 2, p. 74-81.

Allen, J., 2015, Eagle Ford: Still thirsty for liquids, in Eagle Ford Shale: the 2015 playbook: Houston, Hart Energy Publishing, p. 54-58.

Alnahwi, A., R.G. Loucks, S.C. Ruppel, R.W. Scott, and N. Tribovillard, 2018, Dip-related changes in stratigraphic architecture and associated sedimentological and geochemical variability in the Upper Cretaceous Eagle Ford Group in south Texas: AAPG Bulletin, v. 102, p. 2537-2568.

Alnahwi, A., and R.G. Loucks, 2019, Mineralogical composition and total organic carbon quantification using x-ray fluorescence data from the Upper Cretaceous Eagle Ford Group in southern Texas: AAPG Bulletin, v. 103, p. 2891-2907.

Alnahwi, A., T. Kosanke, R.G. Loucks, J. Greene, X. Liu, and P. Linton, 2020, High-resolution hyperspectral-based continuous mineralogical and total organic carbon analysis of the Eagle Ford Group and associated formations in south Texas: AAPG Bulletin, v. 104, p. 1439-1462.

Anderson, T., 2014, Key parameters for liquid-rich unconventional plays: Case studies from North America: AAPG Search and Discovery Article #80354, 33 slides. <http://www.searchanddiscovery.com/documents/2014/80354anderson/ndx_anderson.pdf>

Andrien, T., C.W. Neuhaus, and M. Nibbelink, 2016, Best practices improving predictability: American Oil & Gas Reporter, v. 59, no. 1, p. 74-79. (Eagle Ford)

Angulo, S., and L.A. Buatois, 2012, Integrating depositional models, ichnology, and sequence stratigraphy in reservoir characterization: The middle member of the Devonian–Carboniferous Bakken Formation of subsurface southeastern Saskatchewan revisited: AAPG Bulletin, v. 96, p. 1017-1043.

Anna, L.O., and T.A. Cook, 2008, Assessment of the Mowry Shale and Niobrara Formation as continuous hydrocarbon systems, Powder River Basin, Montana and Wyoming: U.S. Geological Survey Open-File Report 2008-1367, 1 sheet. <http://pubs.usgs.gov/of/2008/1367/>

Anonymous, 2008, Bakken holds oil bonanza, USGS says: American Oil & Gas Reporter, v. 51, no. 6, p. 52.

Anonymous, 2008, Bakken Shale: U.S. key players: Oil and Gas Investor Supplement, “Bakken Shale Play Book”, p. 34-60.

Anonymous, 2008, Bakken Shale: Canada: key players: Oil and Gas Investor Supplement, “Bakken Shale Play Book”, p. 62-67.

Anonymous, 2009, Venoco to press Monterey shale work in 2010: Oil & Gas Journal, v. 107.33, p. 34-35.

Anonymous, 2010, EOG sees Eagle Ford shale as major US oil discovery: Oil & Gas Journal, v. 108.14, p. 35.

Anonymous, 2010, Continental finds proof of Bakken Shale theory: American Oil & Gas Reporter, v. 53, no. 1, p. 53.

Anonymous, 2010, Eagle Ford economics vary with area: American Oil & Gas Reporter, v. 53, no. 9, p. 157-158.

Anonymous, 2011, Oil & Gas resource plays transforming America’s energy supply picture: American Oil & Gas Reporter, v. 54, no. 9, p. 40-53.

Anonymous, 2011, Regional spotlight: Woodbine-Eagle Ford: Oil and Gas Investor, v. 31, no. 12, p. 15.

Anonymous, 2012, Special report: Eagle Ford Q&A: The Eagle Ford Shale is soaring…: American Oil & Gas Reporter, v. 55, no. 9, p. 48-65.

Anonymous, 2016, Shale plays revolutionize U.S. production: World Oil, v. 237, no. 6, p. 34.

Anovitz, L.M., D.R. Cole, J.M. Sheets, A. Swift, H.W. Elston, S. Welch, S.J. Chipera, K.C. Littrell, D.F.R. Mildner, and M.J. Washbrough, 2015, Effects of maturation on multiscale (nanometer to millimeter) porosity in the Eagle Ford Shale: Interpretation, v. 3, p. SU59-SU70.

Ardakani, O.H., H. Sanei, S.E. Jackson, and I.S. Al-Aasm, 2020, Geochemistry of dolomite fluorescence in response to thermal maturity: An example from Upper Ordovician Utica Shale of southern Québec, Canada: International Journal of Coal Geology, v. 231, 103593.

Atchley, S.C., B.T. Crass, and K.C. Prince, 2021, The prediction of organic-rich reservoir facies within the Late Pennsylvanian Cline shale (also known as Wolfcamp D), Midland Basin, Texas: AAPG Bulletin, v. 105, p. 29-52.

Atkins, L., 2011, Developing global shale oil: Oil and Gas Investor, v. 31, no. 12, p. 19.

Atkins, L., 2015, Near-term slowdown forecast for Bakken, Niobrara, in Bakken and Niobrara shales: The playbook: Houston, Hart Energy Publishing, p. 88-94.

Attanasi, E.D., T.C. Coburn, and B. Ran-McDonald, 2019, Statistical detection of flow regime changes in horizontal hydraulically fractured Bakken oil wells: Natural Resources Research, v. 28, p. 259-272.

Attanasi, E.D., and P.A. Freeman, 2020, Growth drivers of Bakken oil well productivity: Natural Resources Research, v. 29, p. 1471-1486.

Aviles, M.A., O.H. Ardakani, B.A. Cheadle, and H. Sanei, 2019, Organic petrography and geochemical characterization of the Upper Cretaceous Second White Specks and Upper Belle Fourche alloformations, west-central Alberta: Analysis of local maturity anomalies: International Journal of Coal Geology, v. 203, p. 60-73.

Awan, R.S., C. Liu, N. Aadil, Q. Yasin, A. Salaam, A. Hussain, S. Yang, A.K. Jadoon, Y. Wu, and M.A. Gul, 2021, Organic geochemical evaluation of Cretaceous Talhar Shale for shale oil and gas potential from Lower Indus Basin, Pakistan: Journal of Petroleum Science and Engineering, v. 200, 108404.

Azad, J., 2009, Williston Waulsortian Mounds—1. Dickinson area seen as tip of giant Lodgepole expanse: Oil & Gas Journal, v. 107.42, p. 32-38.

Bai, C., B. Yu, H. Liu, Z. Xie, S. Han, L. Zhang, R. Ye, and J. Ge, 2018, The genesis and evolution of carbonate minerals in shale oil formations from Dongying depression, Bohai Bay Basin, China: International Journal of Coal Geology, v. 189, p. 8-26.

Baker, R., 2014, Enhancing oil recovery from tight oil plays: World Oil, v. 235, no. 10, p. 93-101.

Ball, E., 2015, Making the Bakken and Niobrara economic, in Bakken and Niobrara shales: The playbook: Houston, Hart Energy Publishing, p. 66-77.

Ball, E., 2015, Eagle Ford players adapting, not quitting, in Eagle Ford Shale: the 2015 playbook: Houston, Hart Energy Publishing, p. 36-43.

Barbee, D., 2013, The Bakken gets a leg up: Oil and Gas Investor, v. 33, no. 5, p. 67-70.

Barbee, D., 2015, The Tyler Formation falls in: Oil and Gas Investor, v. 35, no. 12, p. 9. (Pennsylvanian age, North Dakota)

Barclays Capital, 2012, High liquids yield from US oil shales shifts production, price curves, in North American Unconventional Yearbook 2012: Houston, Hart Energy Publishing, p. 182-183.

Barhaug, J., V.M. King, A. Schmidt, A. Southcott, L. Steinke, and H. Harper, 2015, Field test validates completion design: American Oil & Gas Reporter, v. 58, no. 1, p. 92-99.

Barnes, C., 2012, Unconventional oil in North America: Oil and Gas Investor, v. 32, no. 2, p. 21.

Barzola, G.J., P. Clarke, N. Basu, and H. Bello, 2012, Integrating seismic, well data delineates performance drivers across Eagle Ford Shale play: American Oil & Gas Reporter, v. 55, no. 7, p. 118-129. (condensate window is most economic)

Beaubouef, B., 2008, Bakken play spurs new pipelines: Oil and Gas Investor Supplement, “Bakken Shale Play Book”, p. 86-91.

Beaubouef, B., 2010, Eagle Ford activity creates pipeline opportunities: Houston, TX, Hart Energy Publishing, Eagle Ford Playbook, p. 56-59.

Begum, M., M.R. Yassin, and H. Dehghanpour, 2019, Effect of kerogen maturity on organic shale wettability: A Duvernay case study: Marine and Petroleum Geology, v. 110, p. 483-496.

Belyadi, H., J. Yuyi, M. Ahmad, and J. Wyatt, 2017, Study evaluates optimal well spacing in deep, dry gas Utica: American Oil & Gas Reporter, v. 60, no. 9, p. 72-78.

Berch, H., and J. Nunn, 2014, Predicting potential unconventional production in the Tuscaloosa marine shale play using thermal modelling and log overlay analysis: GCAGS Journal, v. 3, p. 69-78.

Berg, P.R., and A.F. Gangi, 1999, Primary migration by oil-generation microfracturing in low-permeability source rocks: application to the Austin Chalk, Texas: AAPG Bulletin, v. 83, p. 727-756.

Berger, Z., and M. Mushayandevu, 2015, Detection and analysis of structurally controlled sweet spots in the Bakken/Three Fork oil shale play of the Williston Basin and the Exshaw/Big Valley oil shale play of the Foreland Basin of southern Alberta and northern Montana: AAPG Search and Discovery Article #10694, 6 p. <http://www.searchanddiscovery.com/documents/2014/10694berger/ndx_berger.pdf>

Bergin, E.M., C.E. Bartberger, and M. Longman, 2012, Defining the updip eastern limit of commercial Bakken oil production, McLean and Dunn counties, North Dakota: AAPG Search and Discovery Article #20167, 43 p. <http://www.searchanddiscovery.com/documents/2012/20167bergin/ndx_bergin.pdf>

Berman, S., 2008, The Bakken attraction: Oil and Gas Investor Supplement, “Bakken Shale Play Book”, p. 92-94.

Berman, S., and R. Deacon, 2010, The Bakken keeps on rockin’: Houston, Hart Energy Publishing, Bakken/Three Forks Playbook, p. 88-91.

Berney, J. S.C. Ruppel, and H. Rowe, 2016, Integrated chemostratigraphy of the Bakken Formation, Williston Basin, North Dakota-Montana: AAPG Search and Discovery Article #51214, 3 p.

Besler, M.R., 2008, Frac design optimizes Bakken wells: American Oil & Gas Reporter, v. 51, no. 9, p. 61-67.

Billingsley, L.T., B. Layton, and L. Finger, 2015, Eagle Ford development case study utilizing 3D seismic in structurally complex area, Atascosa County, Texas: AAPG Search and Discovery Article #10744, 44 p. <http://www.searchanddiscovery.com/documents/2015/10744billingsley/ndx_billingsley.pdf>

Birmingham, J., and C. Smith, 2010, Industry rallies behind Eagle Ford oil: American Oil & Gas Reporter, v. 53, no. 8, p. 71-77.

Bishop, R.S., R.A. Baggot, W.L. Kelley, and R.E. Fargo, 2011, What is the current potential shale oil and gas production in the US?: Houston Geological Society Bulletin, v. 54, no. 3.

Bishop, R.S., R.A. Baggot, W.L. Kelley, and R.E. Fargo, 2012, U.S. shale oil – gas production potential—1. Shale oil, gas output may reduce, not replace, US crude imports: Oil & Gas Journal, v. 110.8, p. 40-45.

Bishop, R.S., R.A. Baggot, W.L. Kelley, and R.E. Fargo, 2012, U.S. shale oil – gas production potential—2. Shales can greatly cut oil imports if US gas markets are developed: Oil & Gas Journal, v. 110.9, p. 78-80, 131.

Bishop, R.S., R.A. Baggot, W.L. Kelley, and R.E. Fargo, 2012, U.S. shale oil – gas production potential—3 (conclusion): US shale oil output likely to offset decline from conventional fields: Oil & Gas Journal, v. 110.10, p. 50-56.

Blauch, M., 2010, Geochemical fixes boost shale completion efficiency: World Oil, v. 231, no. 7, p. D-121 to D-124. (Developing the Eagle Ford)

Boak, J., 2010, Oil shales making cautious progress: AAPG Explorer, v. 31, no. 8, p. 47, 45. <http://www.aapg.org/explorer/2010/08aug/emd0810.cfm>

Boak, J., 2012, Common wording vs. historical terminology: AAPG Explorer, v. 33, no. 8, p. 43. <http://www.aapg.org/publications/news/explorer/column/articleid/1993/common-wording-vs-historical-terminology>

Boak, J., 2014, Shale-hosted hydrocarbons and hydraulic fracturing, in T.M. Letcher, ed., Future energy, second edition: New York, Elsevier, p. 117-143.

Boak, J. and R. Kleinberg, 2016, Shale- and mudstone-hosted oil and gas, in M. Riazi, ed., Exploration and Production of Petroleum and Natural Gas, MNL7320140013: ASTM International, West Conshohocken, PA, p. 373-394. <https://doi.org/10.1520/MNL7320140013>

Boak, J., and R. Kleinberg, 2020, Shale gas, tight oil, shale oil and hydraulic fracturing, in T.M. Letcher, ed., Future energy: Improved, sustainable and clean options for our planet, third edition: Elsevier, Cambridge, MA, p. 67-95.

Bohrer, M., S. Fried, L. Helms, B. Hicks, B. Juenker, D. McCusker, F. Anderson, J. LeFever, E. Murphy, and S. Nordeng, 2008, State of North Dakota Bakken resource study project: North Dakota Department of Mineral Resources Report, 23 p.

Boling, K.S., and S.I. Dworkin, 2015, Origin of organic matter in the Eagle Ford Formation: Interpretation, v. 3, no. 1, p. SH27-SH39.

Borcovsky, D., 2013, Sedimentology, facies architecture and sequence stratigraphy of a Mississippian age black mudstone succession: the upper member of the Bakken Formation, North Dakota, USA: Fort Collins, Colorado State University, unpublished M.S. thesis, 110 p.

Borcovsky, D., S. Egenhoff, N. Fishman, J. Maletz, A. Boehlke, and H. Lowers, 2017, Sedimentology, facies architecture, and sequence stratigraphy of a Mississippian black mudstone succession—The upper member of the Bakken Formation, North Dakota, United States: AAPG Bulletin, v. 101, p. 1625-1673.

Bottjer, R.J., R. Sterling, A. Grau, and P. Dea, 2011, Stratigraphic relationships and reservoir quality at the Three Forks-Bakken unconformity, Williston Basin, North Dakota, in J.W. Robinson, J.A. LeFever, and S.B. Gaswirth, eds., The Bakken-Three Forks petroleum system in the Williston Basin: Denver, Colorado, Rocky Mountain Association of Geologists, p. 173-228.

Bowman, T.D., 2015, Eaglebine activity: AAPG Search and Discovery Article #110187, 25 p. <http://www.searchanddiscovery.com/documents/2015/110187bowman/ndx_bowman.pdf>

Boyd, D., 2010, Bakken, Niobrara plays highlight vast oil potential in gas-rich Rockies region: American Oil & Gas Reporter, v. 53, no. 6, p. 40-51.

Boyd, D., 2010, Economic fundamentals underpin strategic shift toward oil and NGLs: American Oil & Gas Reporter, v. 53, no. 7, p. 50-62.

Boyd, D., 2011, Oil boom creates infrastructure needs: American Oil & Gas Reporter,v. 54, no. 2, p. 72-80 (Bakken)

Boyd, D., 2012, Soaring oil production spurs infrastructure growth across booming Bakken play: American Oil & Gas Reporter, v. 55, no. 5, p. 56-69.

Boyd, D., 2012, Special report: Eagle Ford: Midstream players rush to keep up: American Oil & Gas Reporter, v. 55, no. 9, p. 66-74.

Boyd, D., 2012, Special report: Eagle Ford: Prosperity reshaping communities: American Oil & Gas Reporter, v. 55, no. 9, p. 76-79.

Boyd, D., 2013, U.S. tight oil changing global markets: American Oil & Gas Reporter, v. 56, no. 3, p. 51-57.

Boyd, D., 2013, Technology improves drilling efficiency: American Oil & Gas Reporter, v. 56, no. 9, p. 58-65.

Braziel, E.R., 2011, Infrastructure projects connect Marcellus Shale to ethane, NGL markets: American Oil & Gas Reporter, v. 54, no. 3, p. 108-115.

Brenize, G., G. Carlstrom, M. Mullen, J. Pitcher, D. Hinz, M. Everts, and D. Dunbar, 2011, Part 3: Bakken study shows impact of geosteering laterals in fractured ‘sweet spot’ layer: American Oil & Gas Reporter, v. 54, no. 9, p. 58-66.

Breyer, J., R.H. Wilty, Y. Tian, A. Salman, K.W. O’Connor, B. Kurtoglu, R.J. Hooper, R.M. Daniels, R.W. Butler, and D. Alfred, 2015, Limestone frequency and well performance, Eagle Ford Shale (Cretaceous), south Texas: AAPG Search and Discovery Article #51091, 38 p. <http://www.searchanddiscovery.com/documents/2015/51091breyer/ndx_breyer.pdf>

Breyer, J., ed., 2016, The Eagle Ford shale: A renaissance in U.S. oil production: AAPG Memoir 110, 389 p.

Breyer, J.A., R.A. Denne, T. Kosanke, J.M. Spaw, J. Funk, P. Christianson, D.A. Bush, and R.A. Nelson, 2016, Facies, fractures, pressure, and production in the Eagle Ford Shale (Cretaceous) between the San Marcos Arch and the Maverick Basin, Texas, U.S.A., in J.A. Breyer, ed., The Eagle Ford Shale: A renaissance in U.S. oil production: AAPG Memoir 110, p. 369-389.

Brickle, J., 2012, Surging NGL production drives infrastructure projects in Marcellus, Utica plays: American Oil & Gas Reporter, v. 55, no. 12, p. 40-47.

Brocato, B., 2010, Niobrara oil play heats up in Colorado, Wyoming: Oil and Gas Investor, v. 30, no. 3, p. 23-24.

Brown, D., 2006, Oil finder shares some insights: AAPG Explorer, v. 27, no. 6, p. 10-12. <http://www.aapg.org/explorer/2006/06jun/findley.cfm>

Brown, D., 2010, One-run kinetics give a ‘quick history’; reading the hieroglyphics of maturation: AAPG Explorer, v. 31, no. 11, p. 24, 26, 49. (Bakken) <http://www.aapg.org/explorer/2010/11nov/kenetic1110.cfm>

Brown, D., 2011, Bakken tricks work on Three Forks; a shale gas-type approach: AAPG Explorer, v. 32, no. 4, p. 30. <http://www.aapg.org/explorer/2011/04apr/3forks0411.cfm>

Brown, D., 2011, Western Montana Bakken in play; an analog to existing Devonian: AAPG Explorer, v. 32, no. 6, p. 6. <http://www.aapg.org/explorer/2011/06jun/bakken0611.cfm>

Brown, D., 2016, What makes the Eagle Ford so special?: AAPG Explorer, v. 37, no. 9, p. 16, 18. <http://www.aapg.org/publications/news/explorer/details/Articleid/33378/what-makes-the-eagle-ford-so-special>

Burrows, L.C., F. Haeri, P. Cvetic, S. Sanguinito, F. Shi, D. Tapriyal, A. Goodman, and R.M. Enick, 2020, A literature review of CO2, natural gas, and water-based fluids for enhanced oil recovery in unconventional reservoirs: Energy & Fuels, v. 34, p. 5331-5380.

Byrne, D.J., P.H. Barry, M. Lawson, and C.J. Ballentine, 2018, Determining gas expulsion vs retention during hydrocarbon generation in the Eagle Ford Shale using noble gases: Geochimica et Cosmochimica Acta, v. 241, p. 240-254.

Caineng, Z., T. Shizhen, Y. Fan, and G. Xiaohui, 2012, Characteristics of hydrocarbon accumulation and distribution of tight oil in China: An example of Jurassic tight oil in Sichuan Basin: AAPG Search and Discovery Article #10386, 6 p. <http://www.searchanddiscovery.com/documents/2012/10386zou/ndx_zou.pdf>

Campbell, B., G. Eisenstadt, J. Fuller, J. Henderson, and G. Treadgold, 2013, Full-azimuth survey analyzes Niobrara: American Oil & Gas Reporter, v. 56, no. 7, p. 211-215.

Cander, H., 2012, Sweet spots in shale gas and liquids plays: Prediction of fluid composition and reservoir pressure: AAPG Search and Discovery Article #40936, 29 p. <http://www.searchanddiscovery.com/pdfz/documents/2012/40936cander/ndx_cander.pdf.html>

Cander, H., 2013, Finding sweet spots in shale liquids and gas plays (with lessons from the Eagle Ford Shale): AAPG Search and Discovery Article #41093, 46 p. [www.searchanddiscovery.com/documents/2013/41093cander/ndx\_cander.pdf](http://www.searchanddiscovery.com/documents/2013/41093cander/ndx_cander.pdf)

Canter, L., S. Zhang, M. Sonnenfeld, C. Bugge, M. Guisinger, and K. Jones, 2016, Primary and secondary organic matter habit in unconventional reservoirs, in T. Olson, ed., Imaging unconventional reservoir pore systems: AAPG Memoir 112, p. 9-24. (Bakken; Niobrara)

Cao, Z., G. Liu, Y. Kong, C. Wang, Z. Niu, J. Zhang, C. Geng, X. Shan, and Z. Wei, 2016, Lacustrine tight oil accumulation characteristics: Permian Lucaogou Formation in Jimusaer Sag. Junggar Basin: International Journal of Coal Geology, v. 153, p. 37-51.

Cao, Z., G. Liu, B. Xiang, P. Wang, G. Niu, Z. Niu, C. Li, and C. Wang, 2017, Geochemical characteristics of crude oil from a tight oil reservoir in the Lucaogou Formation, Jimusar sag, Junggar Basin: AAPG Bulletin, v. 101, p. 39-72.

Cao, Z., G. Liu, H. Zhan, J. Gao, J. Zhang, C. Li, and B. Xiang, 2017, Geological roles of the siltstones in tight oil play: Marine and Petroleum Geology, v. 83, p. 333-344.

Cárdenas, J.J.E., F. Núñez-Useche, L.F.C. Ortegon, G.de la R. Rodríguez, M. Martínez-Yañez, and Á.G. Borrego, 2021, Paleonenvironment and source-rock potential of the Cenomanian-Turonian Eagle Ford Formation in the Sabinas Basin, northeast Mexico: Journal of South American Earth Sciences, 103184.

Carvajal-Ortiz, H., and T. Gentzis, 2018, Geochemical screening of source rocks and reservoirs: The importance of using the proper analytical program: International Journal of Coal Geology, v. 190, p. 56-69.

Carpenter, C., A. Javeheri, H. Dehghanpour, and J.M. Wood, 2017, Imbibition oil recovery from tight rocks with dual-wettability networks in the Montney: Journal of Petroleum Technology, v. 69, p. 85-86.

Carruth, B., and C. Machemehl, 2014, Bakken vs. Eagle Ford: Oil and Gas Investor, v. 34, no. 8, p. 15.

Chabanole, L.E., and L.A. Buatois, 2017, The Upper Devonian-Lower Mississippian Bakken Formation of west-central Saskatchewan: stratigraphic architecture and sequence stratigraphy of a conventional heavy oil reservoir: Bulletin of Canadian Petroleum Geology, v. 65, no. 3, p. 343-365.

Chalmers, G.R.L., and R.M. Bustin, 2017, A multidisciplinary approach in determining the maceral (kerogen type) and mineralogical composition of Upper Cretaceous Eagle Ford Formation: Impact on pore development and pore size distribution: International Journal of Coal Geology, v. 171, p. 93-110.

Chamberlain, A., and S.K. Bhattacharjee, 2011, Pilot shale awaits oil exploration in Great Basin: Oil & Gas Journal, v. 109.18, p. 82-84.

Chatellier, J.-Y., and M. Urban, 2010, Williston Basin and Paris Basin, same hydrodynamics, same potential for unconventional resources?: AAPG Search and Discovery Article No. 10291, presentation, 45 p.

Chen, C., and M. Gu, 2016, Investigation of cyclic CO2 huff-and-puff recovery in shale oil reservoirs using reservoir simulation and sensitivity analysis: Fuel, v. 188, p. 102-111.

Chen, J., X. Pang, H. Pang, Z. Chen, and C. Jiang, 2018, Hydrocarbon evaporative loss evaluation of lacustrine shale oil based on mass balance method: Permian Lucaogou Formation in Jimusaer Depression, Junggar Basin: Marine and Petroleum Geology, v. 91, p. 422-431.

Chen, J., X. Pang, X. Wang, and Y. Wang, 2020, A new method for assessing tight oil, with application to the Lucaogou Formation in the Jimusaer depression, Junggar Basin, China: AAPG Bulletin, v. 104, p. 1199-1229.

Chen, K., X. Liu, J. Liu, C. Zhang, M. Guan, and S. Zhou, 2019, Lithofacies and pore characterization of continental shale in the second member of the Kongdian Formation in the Cangdong Sag, Bohai Bay Basin, China: Journal of Petroleum Science and Engineering, v. 177, p. 154-166.

Chen, Y., G. Ma, Y. Jin, H. Wang, and Y. Wang, 2019, Productivity evaluation of unconventional reservoir development with three-dimensional fracture networks: Fuel, v. 244, p. 304-313.

Chen, Y., S. Lin, B. Bai, T. Zhang, Z. Pang, S. Tao, and S. Hu, 2020, Effects of petroleum retention and migration within the Triassic Chang 7 Member of the Ordos Basin, China: International Journal of Coal Geology, v. 225, 103502.

Chen, Z., K.G. Osadetz, C. Jiang, and M. Li, 2009, Spatial variation of Bakken or Lodgepole oils in the Canadian Williston Basin: AAPG Bulletin, v. 93, p. 829-851.

Chen, Z., W. Jiang, L. Zhang, and M. Zha, 2018, Organic matter, mineral composition, pore size, and gas sorption capacity of lacustrine mudstones: Implications for the shale oil and gas exploration in the Dongying depression, eastern China: AAPG Bulletin, v. 102, p. 1565-1600.

Cherian, B.V., M.L. Panjaitan, J.K. Krishnamurthy, and J. Sitchler, 2013, Factors key in Bakken development: American Oil & Gas Reporter, v. 56, no. 12, p. 73-80.

Chidsey, T.C., Jr., 2012, Oil shale vs. shale oil: what’s the difference?: Utah Geological Survey, Survey Notes, v. 44, no. 3, p. 6-7. <http://geology.utah.gov/surveynotes/snt44-3.pdf>

Chidsey, T.C., Jr., and D.E. Eby, 2017, Potential oil-prone areas in the Cane Creek shale play, Paradox Basin, Utah, identified by epifluorescence microscope techniques: Utah Geological Survey, Special Study 160, 44 p.

Chu, L., P. Ye, I. Harmawan, and L. Du, 2015, Characterizing and simulating the non-stationarity and non-linearity in unconventional oil reservoirs: Bakken application: Journal of Unconventional Oil and Gas Resources, v. 9, p. 40-53.

Clarke, P.R., D.H. Portis, G.J. Barzola, H. Bello, and N.K. Basu, 2016, Assessing well performance in an prolific liquids-rich shale play — An Eagle Ford case study, in J.A. Breyer, ed., The Eagle Ford Shale: A renaissance in U.S. oil production: AAPG Memoir 110, p. 213-240.

Clarkson, C.R., A. Ghanizadeh, H. Hamdi, K.M. Clarke, Z. Yang, B. Haghshenas, N. Riazi, A. Vahedian, C. Song, B. Rashdi, H.J. Deglint, C. DeBuhr, J.M. Wood, D. Royer, and T. Grimison, 2018, Advanced core/cutting analysis methods for evaluation of enhanced oil recovery in tight oil and liquid-rich gas reservoirs: Geoconvention, Calgary, Canada, 2 p.

Clarkson, C.R., N. Riazi, A. Ghanizadeh, A. Vahedian, A. Younis, and J.M. Wood, 2019, Elastic anisotropy and dynamic rock mechanical properties of the Montney and Duvernay Formations (Canada): A comparative laboratory study: GeoConvention, 3 p.

Clemons, K., H. Bello, R. Bodziak, M. McChesney, R. Meek, and A. Stephens, 2016, Seismic attributes: Exploiting seismic data to understand heterogeneous reservoir performance in the Eagle Ford Shale, south Texas, U.S.A., in J.A. Breyer, ed., The Eagle Ford Shale: A renaissance in U.S. oil production: AAPG Memoir 110, p. 241-258.

Coates, B., 2012, Microseismic reservoir pressure monitoring advances hydraulic stimulation effectiveness in Bakken shale: Fracturing Technology, special supplement to World Oil (v. 233, no. 3), p. 15-17.

Cohen, D.M., 2008, USGS names Bakken play the largest oil accumulation in Lower 48: World Oil, v. 229, no. 6, p. 83-84.

Cohen, D.M., 2011, Eagle Ford: Texas’ dark-horse resource play picks up speed: World Oil, v. 232, no. 6, p. 56-65.

Cook, D.M., 2010, Evaluations critical in resource plays: American Oil & Gas Reporter, v. 53, no. 2, p. 54-59. (Bakken Shale)

Cohen, D.M., 2011, Bakken oil train rolls on at full steam for Three Forks: World Oil, v. 232, no. 8, p. 54-64.

Collins, G., 2015, US unconventional oil responds to low-price environment: Oil & Gas Journal, v. 113.6, p. 42-44, 46-48.

Conder, M.W., and K.A. Lawlor, 2014, Production characteristics of liquids-rich resource plays challenge facility design: American Oil & Gas Reporter, v. 57, no. 6, p. 106-117.

Conder, M.W., and A.D. Schroer, 2015, Simulation workflow optimizes facility design for producing multiwall pads: American Oil & Gas Reporter, v. 58, no. 5, p. 84-97.

Cook, T.A., 2013, Procedure for calculating estimated ultimate recoveries of Bakken and Three Forks Formations horizontal wells in the Williston Basin: U.S. Geological Survey, Open-File Report 2013-1109, 14 p. <http://pubs.er.usgs.gov/publication/ofr20131109>

Cookson, C., 2011, Operators converge on Eagle Ford’s oil and liquids-rich gas: American Oil & Gas Reporter, v. 54, no. 6, p. 50-59.

Cookson, C., 2012, Promising early results accelerate Utica activity: American Oil & Gas Reporter, v. 55, no. 11, p. 110-121.

Corapcioglu, H., J.L. Miskimins, and M. Prasad, 2015, Niobrara core experiments show impact of frac fluids, proppants on conductivity, part 3: American Oil & Gas Reporter, v. 58, no. 3, p. 56-64.

Cox, S.A., D.M. Cook, K. Dunek, R. Daniels, C. Jump, and R. Barree, 2008, Unconventional resource play evaluation—a look at the Bakken shale play of North Dakota: Society of Petroleum Engineers, Paper No. 114171, 14 p.

Craddock, P.R., L. Mossé, C. Bernhardt, A.C. Ortiz, F.G. Tomassini, P. Saldungaray, and A.E. Pomerantz, 2019, Characterization and range of kerogen properties in the Vaca Muerta Formation, Neuquén Basin, Argentina: Organic Geochemistry, v. 129, p. 42-44.

Crombez, V., F. Baudin, S. Rohais, L. Riquier, T. Euzen, S. Pauthier, M. Ducros, B. Caron, and N. Vaisblat, 2017, Basin scale distribution of organic matter in marine fine-grained sedimentary rocks: Insight from sequence stratigraphy and multi-proxies analysis in the Montney and Doig Formations: Marine and Petroleum Geology, v. 83, p. 382-401.

Crump, B., J. Meredith, B. Williams, and S. Charpiot, 2013, Shale oil and a problem well-stated: Hart Energy Publishing, E&P, v. 86, no. 11, p. 8-9. (Woodford)

Crump, M., 2012, Hybrid completion isolates 38 Bakken zones with no lost time: Hart Energy Publishing, E&P, v. 85, no. 2, p. 80-83.

Cryer, J., and L. Fan, 2011, Expert evaluations are essential in shale oil plays: Hart Energy Publishing, E&P, v. 84, no. 11, p. 44-45.

Cui, J., Q. Sang, Y. Li, C. Yin, Y. Li, and M. Dong, 2017, Liquid permeability of organic nanopores in shale: Calculation and analysis: Fuel, v. 202, p. 426-434.

Cui, J., and L. Cheng, 2017, A theoretical study of the occurrence state of shale oil based on the pore sizes of mixed Gaussian distribution: Fuel, v. 206, p. 564-571.

Cusack, C., J. Beeson, D. Stoneburner, and G. Robertson, 2010, The discovery, reservoir attributes, and significance of the Hawkville Field and Eagle Ford Shale trend, Texas: Gulf Coast Association of Geological Societies Transactions, v. 60, p. 165-179.

Dachanuwattana, S., J. Jin, P. Zuloaga-Molero, X. Li, Y. Xu, K. Sepehrnoori, W. Yu, and J. Miao, 2018, Application of proxy-based MCMC and EDFM to history match a Vaca Muerta shale oil well: Fuel, v. 220, p. 490-502.

Dally, D., 2014, Concepts of scale: Horizontal development of Wolfcamp Shale oil of the southern Midland Basin: AAPG Search and Discovery Article 10605, 37 slides. <http://www.searchanddiscovery.com/documents/2014/10605dally/ndx_dally.pdf>

Danquah, O., 2011, The new economics of the Niobrara: Houston, Hart Energy Publishing, Niobrara Shale Playbook, p. 66-69.

Dar, V.K., 2010, New investment models have operators targeting tight oil and hybrid unconventional reservoirs: American Oil & Gas Reporter, v. 53, no. 13, p. 44-52.

Darbonne, N., 2010, Barnett oil: Oil and Gas Investor, v. 30, no. 2, p. 11.

Darbonne, N., 2010, In pursuit of Bakken: Oil and Gas Investor, v. 30, no. 8, p. 73-75.

Darbonne, N., 2011, Dialing up the oil—and fast: Oil and Gas Investor, v. 31, no. 5, p. 67-69.

Darbonne, N., 2011, To the Tuscaloosa: Oil and Gas Investor, v. 31, no. 6, p. 168.

Darbonne, N., 2011, Dirty chalk: Oil and Gas Investor, v. 31, no. 8, p. 148.

Darbonne, N., 2011, Statoil’s Bakken: Oil and Gas Investor, v. 31, no. 12, p. 61-63.

Darbonne, N., 2012, Focusing on liquids-rich returns, in North American Unconventional Yearbook 2012: Houston, Hart Energy Publishing, p. 170-181.

Darbonne, N., 2012, Emerging plays: Oil and Gas Investor, v. 32, no. 1, p. 58-70.

Darbonne, N., 2012, The wet Cotton Valley: Oil and Gas Investor, v. 32, no. 9, p. 79-81.

Darbonne, N., 2013, Three Forks 3 test shows yet more Williston Basin oil: Oil and Gas Investor, v. 33, no. 1, p. 24-31.

Darbonne, N., 2013, Emerging oil: Oil and Gas Investor, v. 33, no. 1, p. 62-74.

Darbonne, N., 2014, Emerging plays: Oil and Gas Investor, v. 34, no. 1, p. 68-80.

Darbonne, N., 2014, Tuscaloosa marine shale: Oil and Gas Investor, v. 34, no. 2, p. 63-66.

Darbonne, N., 2014, The American shales: Oil and Gas Investor, v. 34, no. 3, p. 71-72.

Darbonne, N., 2014, The Williston Basin: Oil and Gas Investor, v. 34, no. 4, p. 54-65.

Darbonne, N., 2014, Eagle Ford east: Oil and Gas Investor, v. 34, no. 6, p. 75-77.

Darbonne, N., 2015, Bakken, not beaten: Oil and Gas Investor, v. 35, no. 3, p. 44-57.

Darbonne, N., 2016, Proximity oil, in U.S. unconventional yearbook: Houston, Hart Energy Publishing, p. 22-31. (SCOOP, STACK)

Darbonne, N., 2016, They’re staggering, in U.S. unconventional yearbook: Houston, Hart Energy Publishing, p. 32-41. (Eagle Ford)

Darbonne, N., 2016, All pumped up, in U.S. unconventional yearbook: Houston, Hart Energy Publishing, p. 56-66. (Bakken; Niobrara)

Darbonne, N., 2016, Stacked in Oklahoma: Oil and Gas Investor, v. 36, no. 5, p. 30-43. (STACK)

Darbonne, N., 2016, Bakken at $50: Oil and Gas Investor, v. 36, no. 8, p. 42-53.

Darbonne, L., L. Haines, and L. Prado, 2017, Compounding value in the Rockies: Oil and Gas Investor, v. 37, no. 5, p. 56-58. (Niobrara)

Deacon, R., 2010, The eagle is soaring: Houston, TX, Hart Energy Publishing, Eagle Ford Playbook, p. 60-62.

Deighton, I., F.B. Daigle, N. Louni, and F. Porcher, 2015, Cracking the code for the Tuscaloosa Marine Shale: Hart Energy Publishing, E&P, v. 88, no. 4, p. 107-109.

Dembicki, H., Jr., 2014, Challenges to black oil production from shales: AAPG Search and Discovery Article #80355, 22 slides. <http://www.searchanddiscovery.com/documents/2014/80355dembicki/ndx_dembicki.pdf>

Dembicki, H., Jr., 2017, Practical petroleum geochemistry for exploration and production: New York, Elsevier, 331 p.

Denne, R.A., J.A. Breyer, T.H. Kosanke, J.M. Spaw, A.D. Callender, R.E. hinote, M. Kariminia, N. Tur, Z. Kita, J.A. Lees, and H. Rowe, 2016, Biostratigraphic and geochemical constraints on the stratigraphy and depositional environments of the Eagle Ford and Woodbine Groups of Texas, in J.A. Breyer, ed., The Eagle Ford Shale: A renaissance in U.S. oil production: AAPG Memoir 110, p. 1-86.

Denne, R.A., and J.A. Breyer, 2016, Regional depositional episodes of the Cenomanian-Turonian Eagle Ford and Woodbine Groups of Texas, in J.A. Breyer, ed., The Eagle Ford Shale: A renaissance in U.S. oil production: AAPG Memoir 110, p. 87-133.

DeVerse, S., and S. Maus, 2017, Technology optimizes lateral spacing: American Oil & Gas Reporter, v. 60, no. 4, p. 52-57.

DiStefano, V.H., J. McFarlane, A.G. Stack, E. Perfect, D.F.R. Mildner, M. Bleuel, S.J. Chipera, K.C. Littrell, M.C. Cheshire, K.E. Manz, and L.M. Anovitz, 2019, Solvent-pore interactions in the Eagle Ford Shale formation: Fuel, v. 238, p. 298-311.

Dittrick, P., 2010, Independents accelerate US horizontal oil drilling: Oil & Gas Journal, v. 108.18, p. 38-40.

Dittrick, P., 2011, Sliding-sleeve fracs unlock more ND Bakken oil: Oil & Gas Journal, v. 109.13, p. 34-38.

Dittrick, P., 2011, Industry expects rapid gains in Eagle Ford shale output: Oil & Gas Journal, v. 109.14, p. 40-42.

Dittrick, P., 2012, US expects tight oil production gains from Bakken, Eagle Ford: Oil & Gas Journal, v. 110.9, p. 52, 54.

Dittrick, P., 2012, More companies investing in Duvernay liquids potential: Oil & Gas Journal, v. 110.11, p. 32-36.

Dittrick, P., 2013, Industry optimistic on Cline Shale liquids potential: Oil & Gas Journal, v. 111.2, p. 38-42.

Dittrick, P., 2013, Montney, Duvernay will be key to Canada shale oil, gas growth: Oil & Gas Journal, v. 111.4, p. 34-36.

Diwu, P., T. Liu, Z. You, B. Jiang, and J. Zhou, 2018, Effect of low velocity non-Darcy flow on pressure response in shale and tight oil reservoirs: Fuel, v. 216, p. 398-406.

Djurisic, A., A. Binnion, A. Taglieri, J. Thompson, M. Menge, J. Hood, and C. Fleischhacker, 2010, Optimizing lateral section improves drilling performance on Bakken Shale horizontals: American Oil & Gas Reporter, v. 53, no. 8, p. 56-69.

Dodsworth, P., 2016, Palynostratigraphy and palaeoenvironments of the Eagle Ford Group (Upper Cretaceous) at the Lozier Canyon outcrop reference section, west Texas, USA: Palynology, v. 40, no. 3, p. 357-378.

Dolan, M.P., D.K. Higley, and P.G. Lillis, eds., 2016, Hydrocarbon source rocks in unconventional plays, Rocky Mountain Region: The Rocky Mountain Association of Geologists, 420 p.

Dong, T., N.B. Harris, J.M. McMillan, C.E. Twemlow, B.R. Nassichuk, and D. L. Bish, 2019, A model for porosity evolution in shale reservoirs: An example from the Upper Devonian Duvernay Formation, Western Canada Sedimentary Basin: AAPG Bulletin, v. 103, p. 1017-1044.

Donovan, A.D., T.S. Staerker, A. Pramudito, W. Li, M.J. Corbett, C.M. Lowery, A.M. Romero, and R.D. Gardner, 2012, The Eagle Ford outcrops of west Texas: A laboratory for understanding heterogeneities within unconventional mudstone reservoirs: GCAGS Journal, v. 1, p. 162-185.

Donovan, A.D., T.S. Staerker, R. Gardner, M.C. Pope, A. Pramudito, and M. Wehner, 2016, Findings from the Eagle Ford outcrops of west Texas and implications to the subsurface of south Texas, in J.A. Breyer, ed., The Eagle Ford Shale: A renaissance in U.S. oil production: AAPG Memoir 110, p. 301-336.

Downey, M.W., J. Garvin, R.C. Lagomarsino, and D.F. Nicklin, 2011, Quick look determination of oil-in-place in oil shale resource plays: AAPG Search and Discovery Article #40764, 21 p.

Drake, W.R., and S.J. Hawkins, 2012, A sequence stratigraphic framework for the Niobrara Formation in the Denver-Julesburg Basin: AAPG Search and Discovery Article #50757, 29 p. <http://www.searchanddiscovery.com/documents/2012/50757drake/ndx_drake.pdf>

Duey, R., 2011, Monterey shale—California’s sleeping giant? Hart Energy Publishing, E&P, v. 84, no. 6, p. 68-72.

Duey, R., and N. Miller, 2011, Will Niobrara be the next Bakken?: Hart Energy Publishing, E&P, v. 84, no. 7, p. 64-67.

Duey, R., 2012, Eagle Ford activity continues at a frenzied pace: Hart Energy Publishing, E&P, v. 85, no. 10, p. 101-104.

Duey, R., 2014, Milking the measurements, in Eagle Ford techbook: Houston, Hart Energy Publishing, p. 56-67.

Duey, R., 2014, What’s next on the horizon?; Is the next Bakken or Eagle Ford just now being delineated?: Hart Energy Publishing, E&P, v. 87, no. 7, p. 30-32.

Duey, R., 2015, Completing by the numbers: Hart Energy Publishing, E&P, v. 88, no. 5, p. 50-54. (Three Forks; Eagle Ford)

Duey, R., 2015, EOR in the Bakken: Hart Energy Publishing, E&P, v. 88, no. 8, p. 40, 42.

Duey, R., 2018, Chasing shales in Mexico: Hart Energy Publishing, E&P, v. 91, no. 7, p. 74-75.

Dukes, R.T., 2010, Ten years into the Bakken Shale: Developing the Bakken, special section of World Oil, v. 231, no. 5, p. D-63.

Dumoulin, J.A., C.A. Johnson, K.D. Kelley, P. Jarboe, P. Hackley, C. Scott, and J.F. Slack, 2017, Transgressive-regressive cycles in the metalliferous, oil shale-bearing Heath Formation (Upper Mississippian), central Montana: Stratigraphy, v. 14, p. 97-122.

Dunnahoe, T., 2010, California’s Monterey shale play is coming of age: Hart Energy Publishing, E&P, v. 83, no. 9, p. 12-13.

Dunnahoe, T., 2013, Ohio’s Utica shale development has room to grow: Oil & Gas Journal, v. 111.10, p. 44-45.

Dunnahoe, T., 2014, AAPG ICE: Turkey sees early shale oil development: Oil & Gas Journal, v. 112.9c, p. 28-29.

Dunnahoe, T., 2017, Unconventional resources, proving ground for applied analytics: Oil & Gas Journal, v. 115.7, p. 38-42. (Eagle Ford)

Dunnahoe, T., 2017, Mancos shale improves San Juan basin prospectivity: Oil & Gas Journal, v. 115.10, p. 24.

Durham, L.S., 2008, Study consortium being formed; Bakken a different breed of cat: AAPG Explorer, v. 29, no. 8, p. 32, 34. <http://www.aapg.org/explorer/2008/08aug/bakken.cfm>

Durham, L.S., 2009, Elm Coulee idea opened new play: AAPG Explorer, v. 30, no. 8, p. 24, 28. <http://www.aapg.org/explorer/2009/08aug/findley0809.cfm>

Durham, L.S., 2010, Rockies’ Niobrara play expanding: AAPG Explorer, v. 31, no. 6, p. 10, 24. <http://www.aapg.org/explorer/2010/06jun/rockies0610.cfm>

Durham, L.S., 2010, Bakken fractures yield the goods; oil shale takes turn in spotlight: AAPG Explorer, v. 31, no. 10, p. 34, 36. <http://www.aapg.org/explorer/2010/10oct/bakken1010.cfm>

Durham, L.S., 2010, Outcrops instructive for Eagle Ford; Boquillas appears to have same depositional setting: AAPG Explorer, v. 31, no. 11, p. 6, 8. <http://www.aapg.org/explorer/2010/11nov/eagle_ford1110.cfm>

Durham, L.S., 2010, Monterey Shale gets new look; 320,000-acre 3-D shoot under way: AAPG Explorer, v. 31, no. 11, p. 10, 12. <http://www.aapg.org/explorer/2010/11nov/monterey1110.cfm>

Durham, L.S., 2010, Niobrara joins the list of hot shales; consortium eyes ‘NeoBakken’: AAPG Explorer, v. 31, no. 11, p. 20, 22. <http://www.aapg.org/explorer/2010/11nov/niobrara1110.cfm>

Durham, L.S., 2011, King oil: Oil and Gas Investor, v. 31, no. 5, p. 48-61. (Monterey)

Durham, L.S., 2011, Utica Shale: Oil and Gas Investor, v. 31, no. 7, p. 65-67.

Durham, L.S., 2012, A condensed review of the top 20 liquids-rich plays, in North American Unconventional Yearbook 2012: Houston, Hart Energy Publishing, p. 22-39.

Durham, L.S., 2012, ‘Wet’ is in, shale list grows: AAPG Explorer, v. 33, no. 7, p. 12, 14, 16. <http://www.aapg.org/explorer/2012/07jul/shale_list0712.cfm>

Durham, L.S., 2013, Monterey Shale continues to tempt and tease, California play full of complexities: AAPG Explorer, v. 34, no. 2, p. 10, 12. <http://www.aapg.org/explorer/2013/02feb/monterey_shale0213.cfm>

Durham, L.S., 2013, New USGS Bakken assessment on its way: AAPG Explorer, v. 34, no. 4, p. 10, 12. <http://www.aapg.org/explorer/2013/04apr/bakken0413.cfm>

Durham, L.S., 2013, Optimism trumps the blues; Rocky operators cautiously move ahead: AAPG Explorer, v. 34, no. 6, p. 6, 8. (Niobrara, Mancos) <http://www.aapg.org/explorer/2013/06jun/niobrara0613.cfm>

Durham, L.S., 2013, Secondary target now in the spotlight; Unconventional Uteland Butte sparks new Utah activity: AAPG Explorer, v. 34, no. 6, p. 10,12. <http://www.aapg.org/explorer/2013/06jun/utah0613.cfm>

Durham, L.S., 2013, Diverse dynamics impact Bakken productivity: AAPG Explorer, v. 34, no. 6, p. 14, 16. <http://www.aapg.org/explorer/2013/06jun/bakken0613.cfm>

Durham, L.S., 2013, Bakken reassessment provides reassurance: AAPG Explorer, v. 34, no. 6, p. 18. <http://www.aapg.org/explorer/2013/06jun/reassessment0613.cfm>

Durham, L.S., 2013, Eagle Ford outcrops: Taking a new (3-D) look: AAPG Explorer, v. 34, no. 7, p. 12, 14. <http://www.aapg.org/explorer/2013/07jul/urtec_eagle_ford0713.cfm>

Durham, L.S., 2013, Geologists excited about TMS potential: AAPG Explorer, v. 34, no. 7, p. 16, 18. (Tuscaloosa Marine Shale) <http://www.aapg.org/explorer/2013/07jul/urtec_tms0713.cfm>

Durham, L.S., 2014, Saline water in Bakken: Where did it come from?: AAPG Explorer, v. 35, no. 6, p. 34. <http://www.aapg.org/publications/news/explorer/emphasis/articleid/10195/saline-water-in-bakken-where-did-it-come-from>

Durham, L.S., 2015, Unlocking the Utica: AAPG Explorer, v. 36, no. 5, p. 52.

<http://www.aapg.org/publications/news/explorer/emphasis/articleid/19669/unlocking-the-utica>

Durham, L.S., 2015, Assessing potential of the Rosebud Reservation: AAPG Explorer, v. 36, no. 6, p. 20. (Niobrara) <http://www.aapg.org/publications/news/explorer/emphasis/articleid/20404/assessing-potential-of-the-rosebud-reservation>

Dustin, M.K., J.R. Bargar, A.D. Jew, A.L. Harrison, C. Joe-Wong, D.L. Thomas, G.E. Brown, Jr., and K. Maher, 2018, Shale kerogen: Hydraulic fracturing fluid interactions and contaminant release: Energy & Fuels, v. 32, p. 8966-8977.

Eble, C.F., P.C. Hackley, T.M. Parris, and S.F. Greb, 2021, Organic petrology and geochemistry of the Sunbury and Ohio Shales in eastern Kentucky and southeastern Ohio: AAPG Bulletin, v. 105, p. 493-515.

Echegu, S., A.K. Bissada, and L. Elrod, 2021, Geochemical characterization and classification of crude oils of the Permian Basin, west Texas and southeastern New Mexico: AAPG Bulletin, v. 105, p. 223-246.

Ector, D., 2014, Formation water works in Bakken frac: American Oil & Gas Reporter, v. 57, no. 8, p. 205, 207.

Edman, J.D., 2012, How local variations in thermal maturity affect shale oil economics and producibility: World Oil, v. 233, no. 3, p. 47-53.

Edman, J., E. Sprunt, J. Newman, M. Ruder, and J. Ellis, 2015, More efficient and cost-effective ways of evaluating and high grading unconventional plays: Interpretation, v. 3, no. 3, p. SU33-SU46.

Egenhoff, S., A. van Dolah, and A. Jaffri, 2010, Unconventionally conventional—facies and sequence stratigraphy of the Upper Devonian-Lower Mississippian Bakken Formation reservoir, Williston Basin, North Dakota: AAPG Search and Discovery Article No. 10257, presentation, 24 p.

Egenhoff, S.O., A. Van Dolah, A. Jaffri, and J. Maletz, 2011, Facies architecture and sequence stratigraphy of the middle Bakken member, Williston Basin, North Dakota, in J.W. Robinson, J. LeFever, and S. Gaswirth, eds., Bakken-Three Forks petroleum system in the Williston Basin: Rocky Mountain Association of Geologists, Guidebook, p. 27-47. (on CD)

Egenhoff, S.O., and N.S. Fishman, 2013, Traces in the dark—Sedimentary processes and facies gradients in the upper shale member of the Upper Devonian–Lower Mississippian Bakken Formation, Williston Basin, North Dakota, U.S.A.: Journal of Sedimentary Research, v. 83, p. 803-824.

Egenhoff, S.O., 2017, The lost Devonian sequence—Sequence stratigraphy of the middle Bakken member, and the importance of clastic dykes in the lower Bakken member shale, North Dakota, USA: Marine and Petroleum Geology, v. 81, p. 278-293.

EIA, 2013, Technically recoverable shale oil and shale gas resources: An assessment of 137 shale formations in 41 countries outside the United States: U.S. Energy Information Administration, 730 p.

El Attar, A., and M.J. Pranter, 2016, Regional stratigraphy, elemental chemostratigraphy, and organic richness of the Niobrara member of the Mancos shale, Piceance Basin, Colorado: AAPG Bulletin, v. 100, p. 345-377.

Enciso-Cárdenas, J.J., F. Núñez-Useche, L.F.C. Ortegon, G.de la Rosa-Rodríguez, M. Martínez-Yañez, and Á.G. Borrego, 2021, Paleoenvironment and source-rock potential of the Cenomanian-Turonian Eagle Ford Formation in the Sabinas Basin, northeast Mexico: Journal of South American Earth Sciences, v. 108, 103184.

Enomoto, C.B., M.H. Trippi, and D.K. Higley, 2018, USGS National and global oil and gas assessment project–Appalachian Basin Province, Upper Devonian shales assessment unit boundaries and assessment input forms: U.S. Geological Survey data release. <https://www.sciencebase.gov/catalog/item/5bbe723be4b0fc368eb3781f>

Eseme, E., B.M. Krooss, and R. Littke, 2012, Evolution of petrophysical properties of oil shales during high-temperature compaction tests: Implications for petroleum expulsion: Marine and Petroleum Geology, v. 31, p. 110-124.

Estes-Jackson, J.E., and D.S. Anderson, eds., 2011, Revisiting and revitalizing the Niobrara in the central Rockies: Denver, Rocky Mountain Association of Geologists, 521 p.

Euzen, T., T.F. Moslow, and M. Caplan, 2018, The Montney play of western Canada: Deposition to development: Bulletin of Canadian Petroleum Geology, v. 66, no. 1, p. 1-5.

Evans, S., K. Dawson, M. Montes, G. Preston, and S. Hudson, 2016, Evaluating diversion techniques to increase stimulation effectiveness in the Eagle Ford: World Oil, v. 237, no. 9, p. 67-70.

Fahnestock, B.R., 2013, Unconventional approach powers natural gas production: Hart Energy Publishing, E&P, v. 86, no. 9, p. 132. (Eagle Ford)

Fairbanks, M.D., S.C. Ruppel, and H. Rowe, 2016, High-resolution stratigraphy and facies architecture of the Upper Cretaceous (Cenomanian–Turonian) Eagle Ford Group, central Texas: AAPG Bulletin, v. 100, p. 379-403.

Fairhurst, B., and M.L. Hanson, 2012, Evolution and development of the WolfBone play, southern Delaware Basin, west Texas: AN emerging frontier, an oil-rich unconventional resource: AAPG Search and Discovery Article #10411, 64 p. <http://www.searchanddiscovery.com/documents/2012/10411fairhurst/ndx_fairhurst.pdf>

Fan, B., and L. Shi, 2019, Deep-lacustrine shale heterogeneity and its impact on hydrocarbon generation, expulsion, and retention: A case study from the Upper Triassic Yanchang Formation, Ordos Basin, China: Natural Resources Research, v. 28, p. 241-257.

Fan, X., J.Z. Su, X. Chang, Z.W. Huang, T. Zhou, Y.T. Guo, and S.Q. Wu, 2019, Brittleness evaluation of the inter-salt shale oil reservoir in Jianghan Basin in China: Marine and Petroleum Geology, v. 102, p. 109-115.

Fasullo, P.A., 2011, Ethylene industry prepares for shales: American Oil & Gas Reporter, v. 54, no. 10, p. 78-87.

Ferguson III, H.C. “Kip”, J. Wilson, S. Ingram, and C. Thomas, 2013, Fluid improves Eagle Ford production: American Oil & Gas Reporter, v. 56, no. 8, p. 77-81.

Ferrill, D.A., M.A. Evans, R.N. McGinnis, A.P. Morris, K.J. Smart, D. Lehrmann, K.D.H. Gulliver, and Z. Sickmann, 2020, Fault zone processes and fluid history in Austin Chalk, southwest Texas: AAPG Bulletin, v. 104, p. 245-283. (Eagle Ford)

Finley, A., 2017, Mowry Shale – Outcrop to production: AAPG Search and Discovery Article No. 10917, 25 p. <http://www.searchanddiscovery.com/pdfz/documents/2017/10916finley/ndx_finley.pdf.html>

Finley, E., and S.A. Sonnenberg, 2015, 3-D seismic analysis characterizes Niobrara Silo field: American Oil & Gas Reporter, v. 58, no. 5, p. 66-73.

Fincham, B., and D. Hill, 2011, Bakken—the biggest oil resource in the United States?: DOE NETL, E&P Focus, Winter 2011, p. 1, 3-17. <http://www.netl.doe.gov/technologies/oil-gas/publications/newsletters/epfocus/EPNews2011Winter.pdf>

Finn, T.M., 2017, Stratigraphic cross sections of the Niobrara interval of the Cody Shale and associated rocks in the Wind River Basin, central Wyoming: U.S. Geological Survey Scientific Investigations Map 3370. <https://pubs.er.usgs.gov/publication/sim3370>

Finn, T.M., C.J. Schenk, T.J. Mercier, M.E. Tennyson, P.A. Le, M.E. Brownfield, K.R. Marra, H.M. Leathers-Miller, R.M. Drake II, C.A. Woodall, and S.A. Kinney, 2018, Assessment of continuous oil and gas resources in the Niobrara interval of the Cody Shale, Wind River Basin Province, Wyoming, 2018: U.S. Geological Survey Fact Sheet 2018-3076, 2 p. <https://pubs.er.usgs.gov/publication/fs20183076>

Fisher, K.B., 2016, The role of integrated reservoir petrophysics in horizontal well evaluations to increase production in the Eagle Ford Shale, in J.A. Breyer, ed., The Eagle Ford Shale: A renaissance in U.S. oil production: AAPG Memoir 110, p. 337-368.

Fishman, N., J. Guthrie, and M. Honarpour, 2013, The stratigraphic distribution of hydrocarbon storage and its effect on producible hydrocarbons in the Eagle Ford Formation, south Texas: Unconventional Resources Technology Conference, SPE-AAPG-SEG, Denver, CO, Paper 1579007, 6 p.

Fishman, N., J.M. Guthrie, and M. Honarpour, 2014, Development of organic and inorganic porosity in the Cretaceous Eagle Ford Formation, south Texas: AAPG Search and Discovery Article 50928, 17 slides. <http://www.searchanddiscovery.com/documents/2014/50928fishman/ndx_fishman.pdf>

Fishman, N.S., S.O. Egenhoff, A.R. Boehlke, and H.A. Lowers, 2015, Petrology and diagenetic history of the upper shale member of the Late Devonian–Early Mississippian Bakken Formation, Williston Basin, North Dakota, in D. Larsen, S.O. Egenhoff, and N.S. Fishman, eds., Paying attention to mudrocks: priceless: GSA Special Paper 515, p. 125-151.

French, K.L., J.E. Birdwell, and K.J. Whidden, 2019, Geochemistry of a thermally immature Eagle Ford Group drill core in central Texas: Organic Geochemistry, v. 131, p. 19-33.

French, K.L., J.E. Birdwell, and M.D. Lewan, 2020, Trends in thermal maturity indicators for the organic sulfur-rich Eagle Ford Shale: Marine and Petroleum Geology, v. 118, 104459.

Friedman, B., 2019, Making sense of gas-oil ratio in unconventional reservoirs: AAPG Explorer, v. 40, no. 4, p. 15. <https://explorer.aapg.org/story/articleid/52146/making-sense-of-gas-oil-ratio-in-unconventional-reservoirs?utm_medium=website&utm_source=explorer_issue_page>

Fulks, R., 2014, Completions evolve for liquid plays: American Oil & Gas Reporter, v. 57, no. 3, p. 93-97.

Gallay, A., 2017, Eye on the Eagle Ford east: Oil and Gas Investor, v. 37, no. 2, p. 60-61.

Garcia-Fresca, B., D. Pinkston, R.G. Loucks, and R. LeFever, 2018, The Three Forks playa lake depositional model: Implications for characterization and development of an unconventional carbonate play: AAPG Bulletin, v. 102, p. 1455-1488.

Garibaldi, L., 2015, Optimizing portfolios amid falling oil prices: Hart Energy Publishing, E&P, v. 88, no. 6, p. 47-49.

Garrison, J., 2014, TMS: A future light, tight oil play, in Tuscaloosa Marine Shale playbook: Houston, Hart Energy Publishing, p. 38-42.

Gasparrini, M., O. Lacombe, S. Rohais, M. Belkacemi, and T. Euzen, 2021, Natural mineralized fractures from the Montney-Doig unconventional reservoirs (Western Canada Sedimentary Basin): Timing and controlling factors: Marine and Petroleum Geology, v. 124, 104826.

Gaswirth, S.B., K.R. Marra, T.A. Cook, R.R. Charpentier, D.L. Gautier, D.K. Higley, T.R. Klett, M.D. Lewan, P.G. Lillis, C.J. Schenk, M.E. Tennyson, and K.J. Whidden, 2013, Assessment of undiscovered oil resources in the Bakken and Three Forks formations, Williston Basin Province, Montana, North Dakota, and South Dakota: U.S. Geological Survey, Fact Sheet 2013-3013, 4 p. <http://pubs.usgs.gov/fs/2013/3013/fs2013-3013.pdf>

Gaswirth, S.B., and K.R. Marra, 2014, Bakken, Three Forks largest continuous US oil accumulation: Oil & Gas Journal, v. 112.1, p. 48-53.

Gaswirth, S.B., and K.R. Marra, 2015, U.S. Geological Survey 2013 assessment of undiscovered resources in the Bakken and Three Forks Formations of the U.S. Williston Basin Province: AAPG Bulletin, v. 99, p. 639-660.

Gentzis, T., 2016, Review of the hydrocarbon potential of the Steele Shale and Niobrara Formation in Wyoming, USA: A major unconventional resource play?: International Journal of Coal Geology, v. 166, p. 118-127.

Gentzis, T., H. Carvajal-Ortiz, S.G. Ocubalidet, and B. Wawak, 2017, Organic petrology characteristics of selected shale oil and shale gas reservoirs in the USA: Examples from “The Magnificient Nine”, in I. Suárez-Ruiz, and J.G. Mendonça Filho, eds., The role of organic petrology in the exploration of conventional and unconventional hydrocarbon systems: Sharjah, U.A.E., Bentham Science Publishers, p. 131-168.

Gerhard, L.C., and S.B. Anderson, 1988, Geology of the Williston Basin (United States portion), in L.L. Sloss, ed., Sedimentary cover—North American craton; U.S.: Boulder, CO, Geological Society of America, The Geology of North America, v. D-2, p. 221-241.

Gerhard, L.C., S.B. Anderson, and D.W. Fischer, 1991, Petroleum geology of the Williston Basin, in M. Leighton, D. Kolata, D. Oltz, and J. Eidel, eds., Petroleum geology of interior cratonic basins: American Association of Petroleum Geologists Memoir 51, p. 507-559.

Ghanizadeh, A., C.R. Clarkson, S. Aquino, O.H. Ardakani, and H. Sanei, 2015, Petrophysical and geomechanical characteristics of Canadian tight oil and liquid-rich gas reservoirs: I. Pore network and permeability characterization: Fuel, v. 153, p. 664-681.

Ghanizadeh, A., C.R. Clarkson, S. Aquino, O.H. Ardakani, and H. Sanei, 2015, Petrophysical and geomechanical characteristics of Canadian tight oil and liquid-rich gas reservoirs: II. Geomechanical property estimation: Fuel, v. 153, p. 682-691.

Ghanizadeh, A., C.R. Clarkson, S. Aquino, H. Deglint, C. Debuhr, N. Solano, and A. Vahedian, 2015, Core analysis of Canadian tight oil and liquid-rich gas reservoirs: Selected results and experimental challenges: 2015 Gussow Conference, Fine-grained rocks: Resources to reserves, 2 p.

Gherabati, S.A., H.S. Hamlin, K.M. Smye, R.L. Eastwood, F.R. Male, and G. McDaid, 2019, Evaluating hydrocarbon-in-place and recovery factor in a hybrid petroleum system: Case of Bakken and three forks in North Dakota: Interpretation, v. 7, no. 3, p. T607-T624.

Ghiselin, D., 2008, Inspiration, innovation unlock Bakken play: Oil and Gas Investor Supplement, “Bakken Shale Play Book”, p. 68-84.

Ghiselin, D., 2010, Production is the name of the game: Houston, TX, Hart Energy Publishing, Eagle Ford Playbook, p. 45-55.

Ghiselin, D., 2010, Bakken/Three Forks: technology; consortium seeks best practices: Houston, Hart Energy Publishing, Bakken/Three Forks Playbook, p. 72-79.

Ghiselin, D., 2010, Bakken bytes: Houston, Hart Energy Publishing, Bakken/Three Forks Playbook, p. 80-82.

Gilleland, K., 2012, California dreamin’: The Monterey Shale, in North American Unconventional Yearbook 2012: Houston, Hart Energy Publishing, p. 168-169.

Gilleland, K., and T. Poling, 2014, Facilitating Eagle Ford success, in Eagle Ford techbook: Houston, Hart Energy Publishing, p. 24-54.

Gilleland, K., 2014, Understanding the Eagle Ford, in Eagle Ford techbook: Houston, Hart Energy Publishing, p. 82-92.

Gilmer, A., and M. Roth, 2013, Applying analytical tools key to resolving variability in Eagle Ford horizontal wells, part three: American Oil & Gas Reporter, v. 56, no. 9, p. 50-57.

Gilmer, A., 2017, Resource play resurgence framed by U.S. ingenuity and financial finesse: American Oil & Gas Reporter, v. 60, no. 4, p. 34-41. (breakeven prices for U.S. unconventional plays)

Gong, X., 2013, Assessment of Eagle Ford Shale oil and gas resources: Texas A&M University, unpublished Ph.D. dissertation, 159 p.

Gorynski, K.E., M.H. Tobey, D.A. Enriquez, T.M. Smagala, J.L. Dreger, and R.E. Newhart, 2019, Quantification and characterization of hydrocarbon-filled porosity in oil-rich shales using integrated thermal extraction, pyrolysis, and solvent extraction: AAPG Bulletin, v. 103, p. 723-744.

Gottardi, R., and S.L. Mason, 2018, Characterization of the natural fracture system of the Eagle Ford Formation (Val Verde County, Texas): AAPG Bulletin, v. 102, p. 1963-1984.

Gottardi, R., L.M. Adams, D. Borrok, and B. Teixeira, 2019, Hydrocarbon source rock characterization, burial history, and thermal maturity of the Steele, Niobrara and Mowry Formations at Teapot Dome, Wyoming: Marine and Petroleum Geology, v. 100, p. 326-340.

Graf, G., D. Curia, and C. Hanitzsch, 2018, Industry and academia collaborate on Vaca Muerta project: Hart Energy Publishing, E&P, v. 91, no. 7, p. 70-72.

Grau, A., R. Sterling, R. Bottjer, and P. Dea, 2011, Characterization of the Bakken reservoir at Parshall Field, in J.W. Robinson, J.A. LeFever, and S.B. Gaswirth, eds., The Bakken-Three Forks petroleum system in the Williston Basin: Denver, Rocky Mountain Association of Geologists, p. 282-307.

Grau, A., and R.H. Sterling, 2011, Characterization of the Bakken system of the Williston Basin from pores to production; The power of a source rock/unconventional reservoir couplet: AAPG Search and Discovery Article 40847, 31 slides. <http://www.searchanddiscovery.com/documents/2011/40847grau/ndx_grau.pdf>

Greenberg, J., 2011, Niobrara technology: What’s old is new again: Houston, Hart Energy Publishing, Niobrara Shale Playbook, p. 52-61.

Greenberg, J., 2012, Today’s technologies support operator goals, in North American Unconventional Yearbook 2012: Houston, Hart Energy Publishing, p. 140-166.

Greenberg, J., 2012, New applications to optimize production: Houston, Hart Energy Publishing, Panhandle Plays, the playbook, p. 52-63.

Greenberg, J., 2012, Unlocking Canadian tight oil plays, in Canada playbook: Houston, Hart Energy Publishing, p. 50-63.

Greene, D., C. Loesel, S. Janwadkar, O. Hummes, A. Peter, M. Freeman, and S. Privott, 2011, High-build rate RSS optimizes performance in Eagle Ford, Granite Wash (part 1): American Oil & Gas Reporter, v. 54, no. 7, p. 70-78.

Grossi, P., 2015, Project studies impact of faulting and fracturing on Eagle Ford productivity: American Oil & Gas Reporter, v. 58, no. 9, p. 56-67.

Grossi, P., D. Neumann, and F. Lalehrokh, 2015, Downspacing has huge EUR impacts: American Oil & Gas Reporter, v. 58, no. 12, p. 65-73. (Eagle Ford)

Guillotte, L.J., Jr., 2015, Challenges with deep deviated wells in shale oil: Hart Energy Publishing, E&P, v. 88, no. 1, p. 82, 84.

Guiltinan, T., and E. Roach, 2015, Eagle Ford remains viable for smart operators, in Eagle Ford Shale: the 2015 playbook: Houston, Hart Energy Publishing, p. 4-10.

Guo, H., R. He, W. Jia, P. Peng, Y. Lei, X. Luo, X. Wang, L. Zhang, and C. Jiang, 2018, Pore characteristics of lacustrine shale within the oil window in the Upper Triassic Yanchang Formation, southeastern Ordos Basin, China: Marine and Petroleum Geology, v. 91, p. 279-296.

Haas, G., 2012, Shale gas, refining boon: Oil and Gas Investor, v. 32, no. 8, p. 21.

Hackley, P.C., L. Zhang, and T. Zhang, 2017, Organic petrology of peak oil maturity Triassic Yanchang Formation lacustrine mudrocks, Ordos Basin, China: Interpretation, v. 5, no. 2, p. SF211-SF223.

Hackley, P.C., C.B. Enomoto, B.J. Valentine, W.A. Rouse, C.D. Lohr, F.T. Dulong, J.J. Hatcherian, S.T. Brennan, W.H. Craddock, T.M. Finn, S.B. Gaswirth, P.A. Le, H.M. Leathers-Miller, K.R. Marra, T.J. Mercier, S.T. Paxton, K.J. Whidden, C.A. Woodall, and C.J. Schenk, 2018, Assessment of undiscovered continuous oil and gas resources in the Upper Cretaceous Tuscaloosa marine shale of the U.S. Gulf Coast, 2018: U.S. Geological Survey, Fact Sheet 2018-3043, 2 p. <https://pubs.er.usgs.gov/publication/fs20183043>

Hackley, P.C., K.O. Dennen, D. Garza, C.D. Lohr, B.J. Valentine, J.J. Hatcherian, C.B. Enomoto, and F.T. Dulong, 2020, Oil-source rock correlation studies in the unconventional Upper Cretaceous Tuscaloosa marine shale (TMS) petroleum system, Mississippi and Louisiana, USA: Journal of Petroleum Science and Engineering, v. 190, 107015.

Hackley, P.C., T.M. Parris, C.F. Eble, S.F. Greb, and D.C. Harris, 2021, Oil-source correlation studies in the shallow Berea Sandstone petroleum system, eastern Kentucky: AAPG Bulletin, v. 105, p. 517-542. (Sunbury Shale; Ohio Shale)

Hackley, P.C., and R.T. Ryder, 2021, Organic geochemistry and petrology of Devonian shale in eastern Ohio: Implications for petroleum systems assessment: AAPG Bulletin, v. 105, p. 543-573. (lower Huron member; Marcellus Shale; Ohio Shale)

Haines, L., 2011, The Bakken boom: Oil and Gas Investor, v. 31, no. 8, p. 60-72.

Haines, L., 2013, From Chile to the Eagle Ford: Oil and Gas Investor, v. 33, no. 10, p. 7.

Haines, L., 2013, Sanchez soars in the Eagle Ford: Oil and Gas Investor, v. 33, no. 10, p. 53-54.

Haines, L., 2013, ITG: In Eagle Ford shale, location proves to be king: Oil and Gas Investor, v. 33, no. 11, p. 26. (thermal maturity map)

Haines, L.., 2014, Amigos in the Eagle Ford: Oil and Gas Investor, v. 34, no. 9, p. 7.

Haines, L., 2017, A giant awakens: Oil and Gas Investor, v. 37, no. 7, p. 40-44. (Eagle Ford)

Haines, L., 2017, Scoping the SCOOP and STACK: Oil and Gas Investor, v. 37, no. 10, p. 34-47.

Haines, L., 2018, Seeking Niobrara pay: Oil and Gas Investor, v. 38, no. 3, p. 60-63.

Hakami, A., and S. İnan, 2016, A basin modeling study of the Jafurah sub-basin, Saudi Arabia: Implications for unconventional hydrocarbon potential of the Jurassic Tuwaiq Mountain Formation: International Journal of Coal Geology, v. 165, p. 201-222.

Hakimi, M.H., W.H. Abdullah, M.R. Shalaby, and G.A. Alramisy, 2014, Geochemistry and organic petrology study of Kimmeridgian organic-rich shales in the Marib-Shabowah Basin, Yemen: Origin and implication for depositional environments and oil-generation potential: Marine and Petroleum Geology, v. 50, p. 185-201.

Hallau, D.G., R.J. Sharma, and R.M. Cluff, 2016, Vitrinite reflectance of Cretaceous coaly material and thermal maturity of the Niobrara Formation, Denver Basin, Colorado, USA, in M.P. Dolan, D.K. Higley, and P.G. Lillis, eds., Hydrocarbon source rocks in unconventional plays, Rocky Mountain Region: The Rocky Mountain Association of Geologists, p. 236-260.

Hammes, U., H.-M. Schulz, M. Mutti, and M. Krause, 2012, The Permian Zechstein Formation as a potential hybrid unconventional reservoir: A sequence stratigraphic and sedimentological evaluation of organic-rich carbonates and mudrocks from shelf to basin, northern Germany: AAPG Search and Discovery Article #80238, 37 p. <http://www.searchanddiscovery.com/documents/2012/80238hammes/ndx_hammes.pdf>

Hammes, U., M. Krause, and M. Mutti, 2013, Unconventional reservoir potential of the upper Permian Zechstein Group: a slope to basin sequence stratigraphic and sedimentological evaluation of carbonates and organic-rich mudrocks, northern Germany: Environmental Earth Sciences, v. 70, p. 3797-3816.

Hammes, U., R. Eastwood, G. McDaid, E. Vankov, S.A. Gherabati, K. Smye, J. Shultz, E. Potter, S. Ikonnikova, and S. Tinker, 2016, Regional assessment of the Eagle Ford Group of south Texas, USA: Insights from lithology, pore volume, water saturation, organic richness, and productivity correlations: Interpretation, v. 4, no. 1, p. SC125-SC150.

Han, H., P. Liu, Z. Ding, P. Shi, J. Jia, W. Zhang, Y. Liu, S. Chen, J. Lu, K. Chen, X. Peng, Z. Wang, S. Xiao, and Y. Gao, 2018, The influence of extractable organic matter on pore development in the Late Triassic Chang 7 lacustrine shales, Yanchang Formation, Ordos Basin, China: Acta Geologica Sinica, v. 92, no. 4, p. 1508-1522.

Han, Y., B. Horsfield, R. Wirth, N. Mahlstedt, and S. Bernard, 2017, Oil retention and porosity evolution in organic-rich shales: AAPG Bulletin, v. 101, p. 807-827.

Han, Y., B. Horsfield, N. Mahlstedt, H. LaReau, and D.J. Curry, 2018, Compositional fractionation of petroleum from reservoir to wellhead in the Niobrara shale oil play: International Journal of Coal Geology, v. 198, p. 156-166.

Han, Y., B. Horsfield, N. Mahlstedt, R. Wirth, D.J. Curry, and H. LaReau, 2019, Factors controlling source and reservoir characteristics in the Niobrara shale oil system, Denver Basin: AAPG Bulletin, v. 103, p. 2045-2072.

Han, Y., B. Horsfield, H. LaReau, and N. Mahlstedt, 2019, Intraformational migration of petroleum: Insights into the development of sweet spots in the Cretaceous Niobrara shale-oil system, Denver Basin: Marine and Petroleum Geology, v. 107, p. 301-309.

Hansen, W.B., 2012, The AB Basin Bakken resource play of NW Montana: Same formation, different geology: AAPG Search and Discovery Article #10418, 2 p. <http://www.searchanddiscovery.com/documents/2012/10418hansen/ndx_hansen.pdf>

Hargrove, U., B. Berend, C. Adams, and W. Greathouse, 2016, ‘Barnett-style,’ high-rate fracs give new life to liquids-rich Marble Falls vertical resource play, part 1: American Oil & Gas Reporter, v. 59, no. 1, p. 48-59.

Harris, T., 2009, System optimizes Bakken completion: American Oil & Gas Reporter, v. 52, no. 2, p. 120-123.

Hart Energy, 2008, Bakken Shale: the play book: Houston, Hart Energy Publishing, 100 p.

Hart Energy, 2010, Bakken/Three Forks playbook: Houston, Hart Energy Publishing, 100 p.

Hart Energy, 2011, Niobrara Shale: the playbook: Houston, Hart Energy Publishing, 84 p.

Hart Energy, 2011, Eagle Ford Shale: the 2011 playbook: Houston, Hart Energy Publishing, 108 p.

Hart Energy, 2012, North American unconventional yearbook 2012: The top 20 liquids-rich plays: Houston, Hart Energy Publishing, 220 p.

Hart Energy, 2012, Panhandle plays: the playbook: Houston, Hart Energy Publishing, 84 p.

Hart Energy, 2012, School is out, but Niobrara operators are still learning: Hart Energy Publishing, E&P, v. 85, no. 7, p. 80-82.

Hart Energy, 2013, Bakken/Exshaw playbook: Houston, Hart Energy Publishing, 104 p.

Hart Energy, 2014, Eagle Ford techbook: Houston, Hart Energy Publishing, 92 p.

Hart Energy Staff, 2012, School is out, but Niobrara operators are still learning: Hart Energy Publishing, E&P, v. 85, no. 7, p. 80-82.

Hart Energy Staff, 2013, The Niobrara brings big numbers to Colorado: Hart Energy Publishing, E&P, v. 86, no. 5, p. 104-109.

Hart Energy Staff, 2014, Activity in giant Eagle Ford continues to grow: Hart Energy Publishing, E&P, v. 87, no. 12, p. 90-97.

Hart Energy, 2015, Bakken and Niobrara shales: The playbook: Houston, Hart Energy Publishing, 100 p.

Hart Energy Staff, 2015, The Bakken: not dead, just resting: Hart Energy Publishing, E&P, v. 88, no. 5, p. 111, 113.

Hart Energy Staff, 2015, SCOOP, Stack plays attract attention: Hart Energy Publishing, E&P, v. 88, no. 6, p. 95-96.

Hart Energy Staff, 2015, Eagle Ford Shale: the 2015 playbook: Houston, Hart Energy Publishing, 60 p.

Hart Energy Staff, 2015, The news from DUG Eagle Ford: Oil and Gas Investor, v. 35, no. 12, p. 55-57.

Hart Energy Staff, 2016, Retooling the Eagle Ford: Oil and Gas Investor, v. 36, no. 11, p. 62-65.

Hart, P., L. Haines, and P. Williams, 2016, All about that STACK: Oil and Gas Investor, v. 36, no. 12, p. 57-59.

Hartel, T.H.D., B.C. Richards, and C.W. Langenberg, 2014, Wabamun, Bakken equivalent Exshaw and Banff formations in core, cuttings and outcrops from southern Alberta: AAPG Search and Discovery Article 50952, 30 slides. <http://www.searchanddiscovery.com/documents/2014/50952hartel/ndx_hartel.pdf>

He, Z., and D. Xia, 2017, Hydrocarbon migration and trapping in unconventional plays: AAPG Search and Discovery Article #10968, 22 p.

Heape, A.S., G. Spence, A. Pérez, P. Fonseca, and E. Roller, 2017, Integrated analytical approach identifies Wolfcamp targets outside defined play area: American Oil & Gas Reporter, v. 60, no. 9, p. 40-49.

Heij, G.W., and R.D. Elmore, 2019, The magnetic fabric of the Wolfcamp shale, Midland Basin, west Texas: Understanding petrofabric variability, hydrocarbon associations, and iron enrichment: AAPG Bulletin, v. 103, p. 2785-2806.

Helms, L.D., 2008, Bakken has huge reserves potential: American Oil & Gas Reporter, v. 51, no. 8, p. 97-101.

Hentz, T.F., and S.C. Ruppel, 2010, Regional lithostratigraphy of the Eagle Ford Shale: Maverick Basin to East Texas Basin: Gulf Coast Association of Geological Societies Transactions, v. 60, p. 325-337.

Hentz, T.F., W.A. Ambrose, and D.C. Smith, 2014, Eaglebine play of the southwestern East Texas Basin: Stratigraphic and depositional framework of the Upper Cretaceous (Cenomanian–Turonian) Woodbine and Eagle Ford Groups: AAPG Bulletin, v. 98, p. 2551-2580.

Higley, D.K., and N.J. Gianoutsos, 2016, Petroleum system model of the Upper Devonian-Lower Mississippian Bakken Formation in the northern Williston Basin, Saskatchewan, southwestern Manitoba and southeastern Alberta, Canada, in M.P. Dolan, D.K. Higley, and P.G. Lillis, eds., Hydrocarbon source rocks in unconventional plays, Rocky Mountain Region: The Rocky Mountain Association of Geologists, p. 172-189.

Hlava, K., K.M. Campion, and W.S. Bayer, 2012, Sequence-stratigraphic and depositional framework of the middle Bakken Formation, Williston Basin, North Dakota: AAPG Search and Discovery Article #50687, 34 p. <http://www.searchanddiscovery.com/documents/2012/50687hlava/ndx_hlava.pdf>

Hoffman, B.T., 2014, Elm Coulee field study; Modeling examines gas injection results for improving Bakken recovery: American Oil & Gas Reporter, v. 57, no. 7, p. 80-89.

Hogan, M., 2013, Focusing on Canada’s light, tight oil plays: Hart Energy Publishing, E&P, v. 86, no. 7, p. 70, 72-76.

Hogan, M., and A. Benavidez, 2015, Eagle Ford sets a steady pace, in Eagle Ford Shale: the 2015 playbook: Houston, Hart Energy Publishing, p. 12-34. (key players)

Horsfield, B., H.-M. Schulz, S. Bernard, N. Mahlstedt, Y. Han, and S. Kuske, 2018, Oil and gas shales, in H. Wilkes, ed., Hydrocarbons, oils and lipids: Diversity, origin, chemistry and fate: Handbook of Hydrocarbon and Lipid Microbiology, Springer International Publishing, p. 1-34.

Hossain, S., O.D. Ezulike, and H. Dehghanpour, 2020, Post-flowback production data suggest oil drainage from a limited stimulated reservoir volume: An Eagle Ford shale-oil case: International Journal of Coal Geology, v. 224, 103469.

Hou, L., X. Luo, W. Han, S. Lin, Z. Pang, and J. Liu, 2020, Geochemical evaluation of the hydrocarbon potential of shale oil and its correlation with different minerals—a case study of the TYP Shale in the Songliao Basin, China: Energy & Fuels, v. 34, p. 11,998-12,009.

Hou, L., X. Luo, Z. Zhao, and L. Zhang, 2021, Identification of oil produced from shale and tight reservoirs in the Permian Lucaogou Shale sequence, Jimsar Sag, Junggar Basin, NW China: ACS Omega, v. 6, p. 2127-2142.

Hou, L., W. Ma, X. Luo, J. Liu, S. Liu, and Z. Zhao, 2021, Hydrocarbon generation-retention-expulsion mechanism and shale oil producibility of the Permian Lucaogou Shale in the Junggar Basin as simulated by semi-open pyrolysis experiments: Marine and Petroleum Geology, v. 125, 104880.

Hou, Y., F. Wang, S. He, T. Dong, and S. Wu, 2017, Properties and shale oil potential of saline lacustrine shales in the Qianjiang Depression, Jianghan Basin, China: Marine and Petroleum Geology, v. 86, p. 1173-1190.

Hu, Q., Y. Zhang, X. Meng, Z. Li, Z. Xie, and M. Li, 2017, Characterization of micro-nano pore networks in shale oil reservoirs of Paleogene Shahejie Formation in Dongying Sag of Bohai Bay Basin, east China: Petroleum Exploration and Development, v. 44, no. 5, p. 681-690.

Hu, T., X. Pang, Q. Wang, S. Jiang, X. Wang, C. Huang, Y. Xu, L. Li, and H. Li, 2017, Geochemical and geological characteristics of Permian Lucaogou Formation shale of the well Ji174, Jimusar Sag, Junggar Basin, China: Implications for shale oil exploration: Geological Journal.

Huang, F., T. Yang, and W. Yan, 2013, Geologic factors of formation of tight oil and its resource potential in China: AAPG Search and Discovery Article #80306, 5 p. <http://www.searchanddiscovery.com/documents/2013/80306huang/ndx_huang.pdf>

Hull, D., P. Chapman, D. Miller, D. Ingraham, N. Fritz, and N. Kernan, 2016, Project models Eagle Ford properties: American Oil & Gas Reporter, v. 59, no. 1, p. 60-65.

Huo, Z., X. Tang, Q. Meng, J. Zhang, C. Li, X. Yu, and X. Yang, 2020, Geochemical characteristics and hydrocarbon expulsion of lacustrine marlstones in the Shulu Sag, Bohai Bay Basin, eastern China: Assessment of tight oil resources: Natural Resources Research, v. 29, p. 2647-2669.

Inamdar, A., T. Ogundare, D. Purcell, R. Malpani, K. Atwood, K. Brook, and A. Erwemi, 2011, Pilot wells test stimulation approach: American Oil & Gas Reporter, v. 54, no. 6, p. 61-67. (Eagle Ford Shale)

Intek, 2011, Review of emerging resources: U.S. shale gas and shale oil plays: U.S. Energy Information Administration, 82 p. <http://www.eia.gov/analysis/studies/usshalegas/pdf/usshaleplays.pdf>

Isbell, M., R. Ndong, R. Miller, I. Fonseca, and D. Tinsley, 2015, Program optimizes Bakken drilling: American Oil & Gas Reporter, v. 58, no. 4, p. 134-141.

Jarvie, D.M., 2001, Williston Basin petroleum systems: Inferences from oil geochemistry and geology: Mountain Geologist, v. 38, no. 1, p. 19-41.

Jarvie, D.M., 2010, Shale geochemistry; reservoir-rock savvy: Oil and Gas Investor, v. 30, no. 5, p. 65-66.

Jarvie, D.M., R.J. Coskey, M.S. Johnson, and J.E. Leonard, 2011, The geology and geochemistry of the Parshall area, Mountrail County, North Dakota, in J.W. Robinson, J.A. LeFever, and S.B. Gaswirth, eds., The Bakken-Three Forks petroleum system in the Williston Basin: Rocky Mountain Association of Geologists, p. 229-281.

Jarvie, D.M., 2012, Shale resource systems for oil and gas: Part 2—Shale-oil resource systems, in J.A. Breyer, ed., Shale reservoirs—Giant resources for the 21st century: AAPG Memoir 97, p. 89-119.

Jarvie, D.M., 2017, Perspectives on shale resource plays, in I. Suárez-Ruiz, and J.G. Mendonça Filho, eds., The role of organic petrology in the exploration of conventional and unconventional hydrocarbon systems: Sharjah, U.A.E., Bentham Science Publishers, p. 321-348.

Jennings, D.S., and J. Antia, 2013, Petrographic characterization of the Eagle Ford Shale, south Texas: Mineralogy, common constituents, and distribution of nanometer-scale pore types, in W.K. Camp, E. Diaz, and B. Wawak, eds., Electron microscopy of shale hydrocarbon reservoirs: AAPG Memoir 102, p. 101-113.

Jiang, C., M. Li, K.G. Osadetz, L.R. Snowdon, M. Obermajer, and M.G. Fowler, 2001, Bakken/Madison petroleum systems in the Canadian Williston Basin. Part 2: Molecular markers diagnostic of Bakken and Lodgepole source rocks: Organic Geochemistry, v. 32, p. 1037-1054.

Jiang, S., J. Zhang, Z. Jiang, Z. Xu, D. Cai, L. Chen, Y. Wu, D. Zhou, Z. Jiang, X. Zhao, and S. Bao, 2015, Geology, resource potentials, and properties of emerging and potential China shale gas and shale oil plays: Interpretation, v. 3, no. 2, p. SJ1-SJ13.

Jijun, L.., W. Weiming, C. Qun, S. Yinglin, Y. Xintong, and T. Shansi, 2015, Impact of hydrocarbon expulsion efficiency of continental shale upon shale oil accumulations in eastern China: Marine and Petroleum Geology, v. 59, p. 467-479.

Jin, C.J., L. Sierra, and M.J. Mayerhofer, 2013, Correlation optimizes fracture spacing: American Oil & Gas Reporter, v. 56, no. 10, p. 90-97. (Eagle Ford)

Jin, H., and S.A. Sonnenberg, 2014, Characterization for source-rock potential of the Bakken shales in the Williston Basin, North Dakota and Montana: AAPG Search and Discovery Article 80356, 37 slides. <http://www.searchanddiscovery.com/documents/2014/80356jin/ndx_jin.pdf>

Johnson, K., 2012, Rocky Mountain operators fix their sights on tight oil and shale plays: American Oil & Gas Reporter, v. 55, no. 7, p. 160-177.

Johnson, K., 2015, Refracturing fits operating strategies: American Oil & Gas Reporter, v. 58, no. 10, p. 73-74, 77. (Eagle Ford)

Johnson, M.D., J.J. Pechiney, and C.P. Moore, 2014, Diagnostics optimize Eagle Ford wells: American Oil & Gas Reporter, v. 57, no. 12, p. 94-100.

Johnson, M.S., 2009, Parshall Field, North Dakota—discovery of the year for the Rockies and beyond: AAPG Search and Discovery Article No. 20081, presentation, 29 p.

Johnson, R.C., J.E. Birdwell, T.J. Mercier, M.E. Brownfield, R.R. Charpentier, T.R. Klett, H.M. Leathers, C.J. Schenk, and M.E. Tennyson, 2015, Assessment of undiscovered oil and gas resources in the Uteland Butte member of the Eocene Green River Formation, Uinta Basin, Utah: U.S. Geological Survey Fact Sheet 2015-3052, 2 p. <http://pubs.er.usgs.gov/publication/fs20153052>

Johnson, R.L., 2013, The Pronghorn member of the Bakken Formation, Williston Basin, USA: Lithology, stratigraphy, and reservoir properties: Golden, Colorado, Colorado School of Mines, unpublished M.S. thesis, 166 p.

Johnson, R.L., 2013, The Pronghorn member of the Bakken Formation, Williston Basin, USA: Lithology, stratigraphy, reservoir properties: AAPG Search and Discovery Article #50808, 40 p. <http://www.searchanddiscovery.com/documents/2013/50808johnson/ndx_johnson.pdf>

Jubb, A.M., P.C. Hackley, J.J. Hatcherian, J. Qu, and T.O. Nesheim, 2019, Nanoscale molecular fractionation of organic matter within unconventional petroleum source beds: Energy & Fuels, v. 33, p. 9759-9766.

Jubb, A.M., J.E. Birdwell, P.C. Hackley, J.J. Hatcherian, and J. Qu, 2020, Nanoscale molecular composition of solid bitumen from the Eagle Ford Group across a natural thermal maturity gradient: Energy Fuels, v. 34, p. 8167-8177.

Juliao, T., I. Suárez-Ruiz, R. Marquez, and B. Ruiz, 2015, The role of solid bitumen in the development of porosity in shale oil reservoir rocks of the Upper Cretaceous in Colombia: International Journal of Coal Geology, v. 147-148, p. 126-144.

Juliao, T., R. Márquez, and I. Suárez-Ruiz, 2017, Shale oil resource systems and solid bitumen, in I. Suárez-Ruiz, and J.G. Mendonça Filho, eds., The role of organic petrology in the exploration of conventional and unconventional hydrocarbon systems: Sharjah, U.A.E., Bentham Science Publishers, p. 169-204.

Kamruzzaman, A., M. Prasad, and S. Sonnenberg, 2019, Petrophysical rock typing in unconventional shale plays: The Niobrara Formation case study: Interpretation, v. 7, no. 4, p. SJ7-SJ22.

Kaykun, A., 2018, Sequence stratigraphy of the lower Pierre Shale of the southern Powder River Basin: A ramp margin sequence that terminates Niobrara Formation carbonate deposition: Interpretation, v. 6, no. 1, p. SA7-SA13.

Khatri, S., and C.M. Burberry, 2020, Controls on fracture network characteristics of the middle member of the Bakken Formation, Elm Coulee field, Williston Basin, United States: AAPG Bulletin, v. 104, p. 767-793.

King, G.E., 2011, Technology evolving in liquids plays: American Oil & Gas Reporter, v. 54, no. 5, p. 103-107.

King, G.E., 2014, Unconventional resources, part three: Improving recovery factors in liquids-rich resource plays requires new approaches: American Oil & Gas Reporter, v. 57, no. 3, p. 66-77.

Klann, S., 2011, Rockies Niobrara: Oil and Gas Investor, v. 31, no. 6, p. 46-59.

Klann, S., 2012, Niobrara challenge: Oil and Gas Investor, v. 32, no. 3, p. 48-60.

Kleinberg, R.L., and J. Boak, 2018, Unconventional fossil fuels nomenclature: Oklahoma Geological Survey, Oklahoma Geology Notes, v. 77, no. 3, p. 20-25.

Ko, L.T., R.G. Loucks, T. Zhang, S.C. Ruppel, and D. Shao, 2016, Pore and pore network evolution of Upper Cretaceous Boquillas (Eagle Ford–equivalent) mudrocks: Results from gold tube pyrolysis experiments: AAPG Bulletin, v.100, p. 1693-1722.

Ko, L.T., R.G. Loucks, S.C. Ruppel, T. Zhang, and S. Peng, 2017, Origin and characterization of Eagle Ford pore networks in the south Texas Upper Cretaceous shelf: AAPG Bulletin, v. 101, p. 387-418.

Kondla, D., H. Sanei, C.R. Clarkson, and F. Goodarzi, 2017, High resolution characterization of a core from the Lower Jurassic Gordondale member, Western Canada Sedimentary Basin: Marine and Petroleum Geology, v. 83, p. 50-59.

Kong, X., Z. Jiang, C. Han, and R. Zhang, 2020, Organic matter enrichment and hydrocarbon accumulation models of the marlstone in the Shulu Sag, Bohai Bay Basin, northern China: International Journal of Coal Geology, v. 117, 103350.

Kosanke, T.H., and A. Warren, 2016, Geological controls on matrix permeability of the Eagle Ford Shale (Cretaceous), south Texas, U.S.A., in J.A. Breyer, ed., The Eagle Ford Shale: A renaissance in U.S. oil production: AAPG Memoir 110, p. 285-300.

Kosanke, T.H., J.A. Breyer, R. Denne, R. Nelson, R.L. Rosen, M. Aldin, and A. Warren, 2019, Controls on production in the Eagle Ford: Permeability, stratigraphy, diagenesis, and fractures, in W.K. Camp, K.L. Milliken, K. Taylor, N. Fishman, P.C. Hackley, and J.H.S. Macquaker, eds., Mudstone diagenesis: Research perspectives for shale hydrocarbon reservoirs, seals, and source rocks: AAPG Memoir 120, p. 241-260.

Kreis, L.K., A. Costa, and K.G. Osadetz, 2006, Hydrocarbon potential of the Bakken and Torquay Formations, southeastern Saskatchewan, in C.F. Gilboy, and S.G. Whitaker, eds., Saskatchewan and Northern Plains Oil and Gas Symposium 2006: Saskatchewan Geological Survey Special Publication 19, p. 118-137.

Krueger, M., 2018, Use of the photoelectric effect as a reservoir quality indicator in the Niobrara Formation, Piceance Basin, northwest Colorado: Interpretation, v. 6, no. 1, p. SA1-SA5.

Kuang, L., Z. Wang, C. Feng, P. Zhao, R. Mao, and J. Yu, 2020, Predicting oil saturation of shale-oil reservoirs using nuclear magnetic resonance logs: Interpretation, v. 8, no. 3, p. SL35-SL43.

Kulkarni, P., 2010, High oil prices spur Bakken activity: Developing the Bakken, special section of World Oil, v. 231, no. 5, p. D-55 to D-62.

Kulkarni, P., 2010, Oil, NGL and condensate opportunities lift Eagle Ford Shale activity: World Oil, v. 231, no. 7, p. D-109 to D-116.

Kulkarni, P., 2014, Western U.S. looking for the next Bakken or Eagle Ford: World Oil, v. 235, no. 11, p. 80-88.

Kuhn, P., R. Di Primio, and B. Horsfield, 2010, Bulk composition and phase behavior of petroleum sourced by the Bakken Formation of the Williston Basin, in B.A. Vining and S.C. Pickering, eds., Petroleum geology: from mature basins to new frontiers: London, Geological Society, Proceedings of the 7th Petroleum Geology Conference, p. 1065-1077.

Kuhn, P.P., R. di Primio, R. Hill, J.R. Lawrence, and B. Horfield, 2012, Three-dimensional modeling study of the low-permeability petroleum system of the Bakken Formation: AAPG Bulletin, v. 96, p. 1867-1897.

Kulkarni, P., 2014, Woodford play extensions result in more liquids production: World Oil, v. 235, no. 1, p. 58-66.

Kulkarni, P., 2015, Bakken/Three Forks resilient play takes a licking but keeps on pumping crude: World Oil, v. 236, no. 6, p. 86-95.

Kumar, A., R. Dusterhoft, and S. Siddiqui, 2014, Evaluating production strategies for liquids-rich shale wells: Hart Energy Publishing, E&P, v. 87, no. 2, p. 104-107.

Kumar, S., K. Ojha, R. Bastia, K. Garg, S. Das, and D. Mohanty, 2017, Evaluation of Eocene source rock for potential shale oil and gas generation in north Cambay Basin, India: Marine and Petroleum Geology, v. 88, p. 141-154.

Kumar, S., S. Das, R. Bastia, and K. Ojha, 2018, Mineralogical and morphological characterization of Older Cambay Shale from North Cambay Basin, India: Implication for shale oil/gas development: Marine and Petroleum Geology, v. 97, p. 339-354.

Kurz, B., D. Schmidt, and P. Cortese, 2013, Evaluating conductivity and proppant applications in Bakken formations: World Oil, v. 234, no. 6, p. 43-52.

Kuske, S., B. Horsfield, J. Jweda, G.E. Michael, and Y. Song, 2019, Geochemical factors controlling the phase behavior of Eagle Ford Shale petroleum fluids: AAPG Bulletin, v. 103, p. 835-870.

Larue, D.K., M. Smithard, and M. Mercer, 2018, Three deep resource plays in the San Joaquin Valley compared with the Bakken Formation: AAPG Bulletin, v. 102, p. 195-243. (Monterey, Kreyenhagen, Moreno)

Lashgari, H.R., A. Sun, T. Zhang, G.A. Pope, and L.W. Lake, 2019, Evaluation of carbon dioxide storage and miscible gas EOR in shale oil reservoirs: Fuel, v. 241, p. 1223-1235.

Lawson, B., 2011, Bakken progress sets a good example for other states: American Oil & Gas Reporter, v. 54, no. 8, p. 29.

LeFever, J.A., 1991, History of oil production from the Bakken Formation, North Dakota, in W.B. Hansen, ed., 1991 Guidebook to Geology and Horizontal Drilling of the Bakken Formation: Montana Geological Society, Billings, Montana, p. 3-18.

LeFever, J.A., C.D. Martiniuk, E.F.R. Dancsok, and P.A. Mahnic, 1991, Petroleum potential of the middle member, Bakken Formation Williston Basin: Sixth International Williston Basin Symposium, Saskatchewan Geological Society Special Publication no. 11, p. 74-94.

LeFever, J.A., 2008, Structural contour and isopach maps of the Bakken Formation in North Dakota: North Dakota Geological Survey Geologic Investigations no. 59, CD-ROM.

LeFever, J.A., R.D. LeFever, and S.H. Nordeng, 2010, Bakken Three Forks core workshop: North Dakota Geological Survey, Geologic Investigations 112.

LeFever, J.A., R.D. LeFever, and S.H. Nordeng, 2011, Revised nomenclature for the Bakken Formation (Mississippian-Devonian), North Dakota, in J.W. Robinson, J.A. LeFever, and S.B. Gaswirth, eds., The Bakken-Three Forks petroleum system in the Williston Basin: Denver, Colorado, Rocky Mountain Association of Geologists, 11-26.

LeFever, J.A., 2012, Part three: Lessons learned in Bakken optimize drilling, completion for increased oil recovery: American Oil & Gas Reporter, v. 55, no. 9, p. 80-87.

Lehman, L.V., and R.F. Shelley, 2011, Adding value with data mining: Oil and Gas Investor, v. 31, no. 1, p. 97-98. (Bakken Shale)

Li, C., M. Ostadhassan, T. Gentzis, L. Kong, H. Carvajal-Ortiz, and B. Bubach, 2018, Nanomechanical characterization of organic matter in the Bakken Formation by microscopy-based method: Marine and Petroleum Geology, v. 96, p. 128-138.

Li, C., L. Kong, M. Ostadhassan, and T. Gentzis, 2019, Nanoscale pore structure characterization of tight oil formation: A case study of the Bakken Formation: Energy & Fuels, v. 33, p. 6008-6019.

Li, H., and S. Misra, 2018, Assessment of miscible light-hydrocarbon-injection recovery efficiency in Bakken Shale Formation using wireline-log-derived indices: Marine and Petroleum Geology, v. 89, p. 585-593.

Li, J., M. Wang, S. Lu, G. Chen, W. Tian, C. Jiang, and Z. Li, 2020, A new method for predicting sweet spots of shale oil using conventional well logs: Marine and Petroleum Geology, v. 113, 104097.

Li, L., J. Tan, D.A. Wood, Z. Zhao, D. Becker, Q. Lyu, B. Shu, and H. Chen, 2019, A review of the current status of induced seismicity monitoring for hydraulic fracturing in unconventional tight oil and gas reservoirs: Fuel, v. 242, p. 195-210.

Li, M., Z. Chen, X. Ma, T. Cao, M. Qian, Q. Jiang, G. Tao, Z. Li, and G. Song, 2019, Shale oil resource potential and oil mobility characteristics of the Eocene-Oligocene Shahejie Formation, Jiyang Super-Depression, Bohai Bay Basin of China: International Journal of Coal Geology, v. 204, p. 130-143.

Li, M., Z. Chen, M. Qian, X. Ma, Q. Jiang, Z. Li, G. Tao, and S. Wu, 2020, What are in pyrolysis S1 peak and what are missed? Petroleum compositional characteristics revealed from programed pyrolysis and implications for shale oil mobility and resource potential: International Journal of Coal Geology, v. 217, 103321.

Li, N., M. Mayerhofer, A. Childers, R. Weitzel, R. White, E. Lolon, and H. Melcher, 2016, Study optimizes Niobrara development: American Oil & Gas Reporter, v. 59, no. 9, p. 51-57.

Li, P., C. Jia, Z. Jin, Q. Liu, M. Zheng, and Z. Huang, 2019, The characteristics of movable fluid in the Triassic lacustrine tight oil reservoir: A case study of the Chang 7 member of Xin’anbian Block, Ordos Basin, China: Marine and Petroleum Geology, v. 102, p. 126-137.

Li, Q., X. You, Z. Jiang, X. Zhao, and R. Zhang, 2017, A type of continuous petroleum accumulation system in the Shulu sag, Bohai Bay Basin, eastern China: AAPG Bulletin, v. 101, p. 1791-1811.

Li, S., S. Hu, X. Xie, Q. Lv, X. Huang, and J. Ye, 2016, Assessment of shale oil potential using a new free hydrocarbon index: International Journal of Coal Geology, v. 156, p. 74-85.

Li, S., Q. Sang, M. Dong, and P. Luo, 2019, Determination of inorganic and organic permeabilities of shale: International Journal of Coal Geology, v. 215, 103296.

Li, T., Z. Jiang, C. Xu, B. Liu, G. Liu, P. Wang, X. Li, W. Chen, C. Ning, and Z. Wang, 2017, Effect of pore structure on shale oil accumulation in the lower third member of the Shahejie Formation, Zhanhua Sag, eastern China: Evidence from gas adsorption and nuclear magnetic resonance: Marine and Petroleum Geology, v. 88, p. 932-949.

Li, W., S. Lu, H. Xue, P. Zhang, and Y. Hu, 2016, Microscopic pore structure in shale reservoir in the argillaceous dolomite from the Jianghan Basin: Fuel, v. 181, p. 1041-1049.

Li, W., W. Wang, S. Lu, and H. Xue, 2017, Quantitative characterization on shale-hosted oil reservoir: A case study of argillaceous dolomite reservoir in the Jianghan Basin: Fuel, v. 206, p. 690-700.

Li, W., J. Cao, C. Shi, T. Xu, H. Zhang, and Y. Zhang, 2020, Shale oil in saline lacustrine systems: A perspective of complex lithologies of fine-grained rocks: Marine and Petroleum Geology, v. 116, 104351.

Li, Y., T. Zhang, G.S. Ellis, and D. Shao, 2016, Depositional environment and organic matter accumulation of Upper Ordovician-Lower Silurian marine shale in the Upper Yangtze Platform, South China: Palaeogeography, Palaeoclimatology, Palaeoecology, v. 466, p. 252-264.

Li, Z., Y.-R. Zou, X.-Y. Xu, J.-N. Sun, M. Li, and P. Peng, 2016, Adsorption of mudstone source rock for shale oil — Experiments, model and a case study: Organic Geochemistry, v. 92, p. 55-62.

Liang, C., Y. Cao, Z. Jiang, J. Wu, S. Guoqi, and Y. Wang, 2017, Shale oil potential of lacustrine black shale in the Eocene Dongying depression: Implications for geochemistry and reservoir characteristics: AAPG Bulletin, v. 101, p. 1835-1858.

Liang, C., Y. Cao, K. Liu, Z. Jiang, J. Wu, and F. Hao, 2018, Diagenetic variation at the lamina scale in lacustrine organic-rich shales: Implications for hydrocarbon migration and accumulation: Geochimica et Cosmochimica Acta, v. 229, p. 112-128.

List, D., C. Lang, M.P. Brown, J.H. Higginbotham, and C. Macesanu, 2014, Niobrara case study shows value of PSDM in shales: American Oil & Gas Reporter, v. 57, no. 8, p. 129-133. (prestack depth migration)

Liu, B., A. Bechtel, R.F. Sachsenhofer, D. Gross, R. Gratzer, and X. Chen, 2017, Depositional environment of oil shale within the second member of Permian Lucaogou Formation in the Santanghu Basin, northwest China: International Journal of Coal Geology, v. 175, p. 10-25.

Liu, B., A. Bechtel, D. Gross, X. Fu, X. Li, and R.F. Sachsenhofer, 2018, Middle Permian environmental changes and shale oil potential evidenced by high-resolution organic petrology, geochemistry and mineral composition of the sediments in the Santanghu Basin, northwest China: International Journal of Coal Geology, v. 185, p. 119-137.

Liu, B., H. Wang, X. Fu, Y. Bai, L. Bai, M. Jia, and B. He, 2019, Lithofacies and depositional setting of a higly prospective lacustrine shale oil succession from the Upper Cretaceous Qingshankou Formation in the Gulong sag, northern Songliao Basin, northeast China: AAPG Bulletin, v. 103, p. 405-432.

Liu, B., L. Bai, Y. Chi, R. Jia, X. Fu, and L. Yang, 2019, Geochemical characterization and quantitative evaluation of shale oil reservoir by two-dimensional nuclear magnetic resonance and quantitative grain fluorescence on extract: A case study from the Qingshankou Formation in southern Songliao Basin, northeast China: Marine and Petroleum Geology, v. 109, p. 561-573.

Liu, C., Z. Wang, Z. Guo, W. Hong, C. Dun, X. Zhang, B. Li, and L. Wu, 2017, Enrichment and distribution of shale oil in the Cretaceous Qingshankou Formation, Songliao Basin, northeast China: Marine and Petroleum Geology, v. 86, p. 751-770.

Liu, J., D. Selby, M. Obermajer, and A. Mort, 2018, Rhenium-osmium geochronology and oil-source correlation of the Duvernay petroleum system, Western Canada sedimentary basin: Implications for the application of the rhenium-osmium geochronometer to petroleum systems: AAPG Bulletin, v. 102, p. 1627-1657.

Liu, K., M. Ostadhassan, T. Gentzis, H. Carvajal-Ortiz, and B. Bubach, 2017, Microstructural and geochemical properties of Bakken Shale formations: Unconventional Resources Technology Conference, URTeC 2666834, 12 p. <http://archives.datapages.com/data/urtec/2017/2666834.html>

Liu, K., M. Ostadhassan, T, Gentzis, H. Carvajal-Ortiz, and B. Bubach, 2017, Characterization of geochemical properties and microstructures of the Bakken Shale in North Dakota: International Journal of Coal Geology.

Liu, K., M. Ostadhassan, J. Zhou, T. Gentzis, and R. Rezaee, 2017, Nanoscale pore structure characterization of the Bakken shale in the USA: Fuel, v. 209, p. 567-578.

Liu, K., M. Ostadhassan, J. Zou, T. Gentzis, R. Rezaee, B. Bubach, and H. Carvajal-Ortiz, 2018, Multifractal analysis of gas adsorption isotherms for pore structure characterization of the Bakken Shale: Fuel, v. 219, p. 296-311.

Liu, K., M. Ostadhassan, J. Zou, T. Gentzis, R. Rezaee, B. Bubach, and H. Carvajal-Ortiz, 2018, Nanopore structures of isolated kerogen and bulk shale in Bakken Formation: Fuel, v. 226, p. 441-453.

Liu, K., M. Ostadhassan, T. Gentzis, H. Carajal-Ortiz, and B. Bubach, 2018, Characterization of geochemical properties and microstructures of the Bakken Shale in North Dakota: International Journal of Coal Geology, v. 190, p. 84-98.

Liu, K., M. Ostadhassan, T. Gentzis, and H. Fowler, 2019, Image analysis of the pore structures: An intensive study for Middle Bakken: Journal of Natural Gas Science and Engineering, v. 61, p. 32-45.

Liu, K., M. Ostadhassan, L. Sun, J. Zou, Y. Yuan, T. Gentzis, Y. Zhang, H. Carvajal-Ortiz, and R. Rezaee, 2019, A comprehensive pore structure study of the Bakken Shale with SANS, N2 adsorption and mercury intrusion: Fuel, v. 245, p. 274-285.

Liu, S., 2011, Geochemical characterization and comparison of condensates from the Barnett Shale, Fort Worth Basin, Texas and the Woodford Shale, Arkoma Basin, Oklahoma: Norman, University of Oklahoma, unpublished M.S. thesis, 170 p.

Liu, X., S.H. Nordeng, Z. Chen, C. Jiang, and A. Mort, 2020, Organic matter variation within Upper and Lower Bakken shales of the Williston Basin by extracting kerogen pyrogram information: International Journal of Coal Geology, v. 229, 103574.

Logan, A., 2014, Growing pains in Utica set to ease as more solutions come online: Hart Energy Publishing, E&P, v. 87, no. 2, p. 108-109.

Lohr, C.D., B.J. Valentine, P.C. Hackley, and F.T. Dulong, 2020, Characterization of the unconventional Tuscaloosa marine shale reservoir in southwestern Mississippi, USA: Insights from optical and SEM petrography: Marine and Petroleum Geology, v. 121, 104580.

Lolon, E.P., C.L. Cipolla, L. Weijers, R.E. Hesketh, and M.W. Grigg, 2010, Infill drilling potential and fracture staging in the Bakken Formation: Developing the Bakken, special section of World Oil, v. 231, no. 5, p. D-65 to D-69.

Lolon, E., C.L. Cipolla, L. Weijers, R.E. Hesketh, and M.W. Grigg, 2010, Study models Bakken down-spacing: American Oil & Gas Reporter, v. 53, no. 9, p. 51-61.

Longman, M.W., and B.A. Luneau, 2020, Revisiting the Upper Cretaceous Niobrara Petroleum System in the Rocky Mountain region: AAPG Search and Discovery Article #51635, 35 p. <http://www.searchanddiscovery.com/pdfz/documents/2020/51635longman/ndx_longman.pdf.html>

Loucks, R.G., and R.M. Reed, 2016, Natural microfractures in unconventional shale-oil and shale-gas systems: Real, hypothetical, or wrongly defined?: Gulf Coast Association of Geological Societies Journal, v. 5, p. 64-72.

Lowry, G.W., 2014, Assessment of hydrocarbon potential in the Lower Eagle Ford Shale, Madison County, Texas: Fort Worth, TX, Texas Christian University, unpublished M.S. thesis.

Lu, J., P.J. Mickler, J.-P. Nicot, W. Choi, W.L. Esch, and R. Darvari, 2017, Geochemical interactions of shale and brine in autoclave experiments—Understanding mineral reactions during hydraulic fracturing of Marcellus and Eagle Ford shales: AAPG Bulletin, v. 101, p. 1567-1597.

Lyle, D., 2008, The Bakken tops the list for potential: Oil and Gas Investor Supplement, “Bakken Shale Play Book”, p. 28-33.

Lyle, D., 2010, Eagle Ford joins shale boom: Houston, Hart Energy Publishing, Eagle Ford Playbook, p. 22-44.

Lyle, D., 2010, Bakken bolsters bottom line: Houston, Hart Energy Publishing, Bakken/Three Forks Playbook, p. 22-70.

Lyle, D., 2011, Niobrara: key players: Niobrara spreads through the Rockies: Houston, Hart Energy Publishing, Niobrara Shale Playbook, p. 22-50.

Lyle, D., 2012, Shale liquids show strong growth, in North American Unconventional Yearbook 2012: Houston, Hart Energy Publishing, p. 40-137.

Lyle, D., 2012, Liquids draw Panhandle drill bits: Houston, Hart Energy Publishing, Panhandle Plays, the playbook, p. 20-51.

Lyle, D., 2015, Operators clamor for Rockies oil, in Bakken and Niobrara shales: The playbook: Houston, Hart Energy Publishing, p. 36-64.

Ma, C., D. Elsworth, C. Dong, C. Lin, G. Luan, B. Chen, X. Liu, J.M. Muhammad, A.Z. Muhammad, Z. Shen, and F. Tian, 2017, Controls of hydrocarbon generation on the development of expulsion fractures in organic-rich shale: Based on the Paleogene Shahejie Formation in the Jiyang Depression, Bohai Bay Basin, east China: Marine and Petroleum Geology, v. 86, p. 1406-1416.

Ma, C., C. Dong, C. Lin, D. Elsworth, G. Luan, X. Sun, and X. Liu, 2019, Influencing factors and fracability of lacustrine shale oil reservoirs: Marine and Petroleum Geology, v. 110, p. 463-471. (corrigendum, Marine and Petroleum Geology, v. 124, 104861)

Ma. J., Z. Huang, and T. Li, 2019, Mechanism of hydrocarbon accumulation and enrichment of tuffaceous tight oil with separate reservoir and source rock: A case study of tuff reservoir from the Permian Tiaohu Formation in the Santanghu Basin, northwest China: AAPG Bulletin, v. 103, p. 345-367.

Ma, X., M. Li, X. Pang, X. Wei, M. Qian, G. Tao, P. Liu, Q. Jiang, Z. Li, Y. Zhao, and S. Wu, 2019, Paradox in bulk and molecular geochemical data and implications for hydrocarbon migration in the inter-salt lacustrine shale oil reservoir, Qianjiang Formation, Jianghan Basin, central China: International Journal of Coal Geology, v. 209, p. 72-88.

Madere, M., 2014, The Eagle Ford’s upbeat vibe: Oil and Gas Investor, v. 34, no. 11, p. 87-89.

Madson, M., S. Johnson, and R. Kolkmeier, 2010, Rotary steering provides gains in Eagle Ford shale, Olmos sand: Hart Energy Publishing, E&P, v. 83, no. 9, p. 63-65.

Marra, K.R., R.R. Charpentier, C.J. Schenk, M.D. Lewan, H.M. Leathers-Miller, T.R. Klett, S.B. Gaswirth, P.A. Le, T.J. Mercier, J.K. Pitman, and M.E. Tennyson, 2015, Assessment of undiscovered shale gas and shale oil resources in the Mississippian Barnett Shale, Bend Arch-Fort Worth Basin Province, north-central Texas: U.S. Geological Survey Fact Sheet 2015-3078, 2 p. <https://pubs.er.usgs.gov/publication/fs20153078>

Marra, K., and S. Gaswirth, 2018, Multiple stacked plays drive continued Permian development: Oil & Gas Journal, v. 116.6, p. 44-47.

Marra, K.R., 2018, 2015 US Geological Survey assessment of undiscovered shale-gas and shale-oil resources of the Mississippian Barnett Shale, Bend Arch–Fort Worth Basin, Texas: AAPG Bulletin, v. 102, p. 1299-1321.

Martinez, G., 2016, Bakken production remains within bounds: Oil and Gas Investor, v. 36, no. 2, p. 21.

Mason, J., 2012, Bakken’s maximum potential oil production rate explored: Oil & Gas Journal, v. 110.4, p. 76-86.

Mason, R., 2012, Inclined towards the Cline: Oil and Gas Investor, v. 32, no. 6, p.101. (Cline Shale)

Mason, R., 2012, Turning away from gas: Oil and Gas Investor, v. 32, no. 8, p. 97.

Mason, R., 2013, The Bakken, Permian and Gulf lead: Oil and Gas Investor, v. 33, no. 1, p. 15.

Mason, R., 2013, Come and take it: Oil and Gas Investor, v. 33, no. 9, p. 46-59. (Eagle Ford)

Mason, R., 2013, A one-hit wonder in Utah?: Oil and Gas Investor, v. 33, no. 9, p. 107. (Cane Creek Shale)

Mason, R., 2014, The Eagle Ford Shale, energy titan of the southwest, in Eagle Ford techbook: Houston, Hart Energy Publishing, p. 2-8.

Mason, R., 2014, Pad drilling productivity, in Eagle Ford techbook: Houston, Hart Energy Publishing, p. 10-22.

Mason, R., 2014, Permian Basin leads domestic market resurgence: Hart Energy Publishing, E&P, v. 87, no. 8, p. 100, 102.

Mason, R., 2015, Marble Falls momentum: Oil and Gas Investor, v. 35, no. 5, p. 93.

Mason, R., 2016, Backing down in the Bakken: Hart Energy Publishing, E&P, v. 89, no. 1, p. 14.

Mason, R., 2016, Eagle Ford musings: Hart Energy Publishing, E&P, v. 89, no. 7, p. 16.

Mason, R., 2016, Going long in the Utica: Oil and Gas Investor, v. 36, no. 8, p. 95.

Mason, R., 2018, Eagle Ford has more oil coming: Oil and Gas Investor, v. 38, no. 2, p. 70-72.

Mayorga-Gonzalez, L.C., 2016, Oil potential of the Asquith marker, Lewis Shale, Greater Green River Basin, Wyoming: Norman, University of Oklahoma, unpublished M.S. thesis, 148 p.

McCrady, D., 2010, Project aims to optimize Bakken wells: American Oil & Gas Reporter, v. 53, no. 2, p. 83-88.

McKay, A.T., Z.K. Shipton, R.J. Lunn, and J.F. Gale, 2019, Mini thief zones: Subcentimeter sedimentary features enhance fracture connectivity in shales: AAPG Bulletin, v. 103, p. 951-971.

McMahon, C., 2013, Spending in Eagle Ford in 2013 estimated at $28 billion: Hart Energy Publishing, E&P, v. 86, no. 9, p. 134-138.

McMahon, P.B., J.M. Galloway, A.G. Hunt, K. Belitz, B.C. Jurgens, and T.D. Johnson, 2021, Geochemistry and age of groundwater in the Williston Basin, USA: Assessing potential effects of shale-oil production on groundwater quality: Applied Geochemistry, v. 125, 104833.

McNally, M.S., and A.R. Brandt, 2015, The productivity and potential future recovery of the Bakken Formation of North Dakota: Journal of Unconventional Oil and Gas Resources, v. 11, p. 11-18.

McNealy, T.R., 2013, Proppant economics in the Eagle Ford formation: Hart Energy Publishing, E&P, v. 86, no. 2, p. 52-56.

McRobbie, N., V.N. Nair, and P. Bitzan, 2017, Planning key in extended-reach wells: American Oil & Gas Reporter, v. 60, no. 4, p. 58-63.

Meagher, M.E., 2010, Bakken progress: Oil and Gas Investor, v. 30, no. 12, p. 15.

Meehan, D.N., 2011, Service intensity in liquids-rich shale plays more intense than ever: World Oil, v. 232, no. 12, p. 72-73.

Meissner, F.F., 1978, Petroleum geology of the Bakken Formation, Williston Basin, North Dakota and Montana, in D. Rehrig, The economic geology of the Williston Basin, Montana, North Dakota, South Dakota, Saskatchewan, Manitoba: Billings, MT, Montana Geological Society, p. 207-277.

Merkel, D., S. Ramakrishna, R. Balliet, D. Miller, and S. Sarvotham, 2011, Core, log data key Bakken completions: American Oil & Gas Reporter,v. 54, no. 2, p. 89-97.

Meyers, G.R., 2013, The Bakken: New ways of conducting business, in Bakken/Exshaw playbook: Houston, Hart Energy Publishing, p. 68-83.

Miceli Romero, A.A., 2014, Subsurface and outcrop organic geochemistry of the Eagle Ford Shale (Cenomanian-Coniacian) in west, southwest, central, and east Texas: Norman, University of Oklahoma, unpublished Ph.D. dissertation, 288 p.

Miceli Romero, A.A., T. Nguyen, and R.P. Philp, 2018, Organic geochemistry of the Eagle Ford Group in Texas: AAPG Bulletin, v. 102, p. 1379-1412.

Michael, G.E., J. Packwood, and A. Holba, 2014, Determination of in-situ hydrocarbon volumes in liquid-rich shale plays: AAPG Search and Discovery Article #80365, 24 p. <http://www.searchanddiscovery.com/pdfz/documents/2014/80365michael/ndx_michael.pdf.html>

Micheli, T., 2015, Thriving in the Bakken during depressed markets: Lessons from the 2008 downturn: Shaletech Report, supplement to World Oil, v. 236, no. 5, p. S-18 to S-20.

Milam, K., 2011, South Dakota primps for shale suiters: AAPG Explorer, v. 32, no. 12. <http://www.aapg.org/explorer/2011/12dec/south_dekota1211.cfm>

Milam, K., 2014, Microseismic proving its value in Bakken play: AAPG Explorer, v. 35, no. 6, p. 30. <http://www.aapg.org/publications/news/explorer/emphasis/articleid/10194/microseismic-proving-its-value-in-bakken-play>

Milam, K., 2017, Monumental Wolfcamp assessment first of many: AAPG Explorer, v. 38, no. 1, p. 23. <http://www.aapg.org/publications/news/explorer/emphasis/Articleid/36940/monumental-wolfcamp-assessment-first-of-many>

Millard, M., and M. Dighans, 2014, The Three Forks and Pronghorn in McKenzie Co., ND: More than a simple ‘basin centered oil accumulation’: AAPG Search and Discovery Article 10600, 30 slides. <http://www.searchanddiscovery.com/pdfz/documents/2014/10600millard/ndx_millard.pdf.html>

Millard, M., and R. Brinkerhoff, 2016, The integration of geochemical, stratigraphic, and production data to improve geological models in the Bakken-Three Forks Petroleum System, Williston Basin, North Dakota, in M.P. Dolan, D.K. Higley, and P.G. Lillils, eds., Hydrocarbon source rocks in unconventional plays, Rocky Mountain Region: Rocky Mountain Association of Geologists, p. 190-211.

Milliken, K.L., T. Zhang, J. Chen, and Y. Ni, 2021, Mineral diagenetic control of expulsion efficiency in organic-rich mudrocks, Bakken Formation (Devonian-Mississippian), Williston Basin, North Dakota, U.S.A.: Marine and Petroleum Geology, v. 127, 104869.

Modica, C.J., and S.G. Lapierre, 2012, Estimation of kerogen porosity in source rocks as a function of thermal transformation: Example from the Mowry Shale in the Powder River Basin of Wyoming: AAPG Bulletin, v. 96, p. 87-108.

Monticone, B., M. Duval, R. Knispel, P. Wojciak, and M.H. Dubille, 2012, Shale oil potential of the Paris Basin, France: AAPG Search and Discovery Article #10384, 30 p. <http://www.searchanddiscovery.com/documents/2012/10384monticone/ndx_monticone.pdf>

Morgan, C.D., 2015, Understanding southeast Utah’s Cane Creek oil, a continuing challenge: Utah Geological Survey, Survey Notes, v. 47, no. 2, p. 1-5.

Morris, G.DL, 2010, Venoco works to prove up giant new oil shale play in southern California: American Oil & Gas Reporter, v. 53, no. 5, p. 42-51.

Morris, G.DL, 2010, Private equity seeking ‘oily’ projects: American Oil & Gas Reporter, v. 53, no. 7, p. 64-69.

Morris, G.DL., 2011, Industry sizing up Niobrara’s potential: American Oil & Gas Reporter, v. 54, no. 7, p. 65-69.

Morris, G.DL, 2012, Activity heating up in Utica Shale play: American Oil & Gas Reporter, v. 55, no. 3, p. 70-77.

Morris, G.DL, 2015, Midstream development continues apace in the Bakken and Niobrara, in Bakken and Niobrara shales: The playbook: Houston, Hart Energy Publishing, p. 78-87.

Moslow, T.F., T. Euzen, and M. Caplan, 2018, The Montney play of western Canada: Deposition to development: Bulletin of Canadian Petroleum Geology, v. 66, no. 2, p. 359-362.

Mothersole, B., and T. Ward, 2015, The word from MUM: Oil and Gas Investor, v. 35, no. 3, p. 87-89. (Marcellus-Utica Midstream)

Murphy, E., 2009, The Department of Mineral Resources assessment of the Bakken Formation: North Dakota Department of DMR Mineral Resources Newsletter, v. 36, no. 1, p. 17-18.

Naeher, S., C.J. Hollis, C.D. Clowes, G.T. Ventura, C.L. Shepherd, E.M. Crouch, H.E.G. Morgans, K.J. Bland, D.P. Strogen, and R. Sykes, 2019, Depositional and organofacies influences on the petroleum potential of an unusual marine source rock: Waipawa Formation (Paleocene) in southern East Coast Basin, New Zealand: Marine and Petroleum Geology, v. 104, p. 468-488.

Navaneethan, N., 2014, Monterey/Santos: EIA shears assessment: Oil and Gas Investor, v. 34, no. 7, p. 19.

Neil, C., 2013, Tight oil: How much, for how long?: Oil and Gas Investor, v. 33, no. 5, p. 73-77.

Nesheim, T.O., 2019, Examination of downward hydrocarbon charge within the Bakken-Three Forks petroleum system — Williston Basin, North America: Marine and Petroleum Geology, v. 104, p. 346-360.

Neuhaus, C.W., A.R. Zeynal, and S. Kashikar, 2014, Eagle Ford Shale completions evaluation: Hart Energy Publishing, E&P, v. 87, no. 8, p. 50-52.

Neuhaus, C.W., and A.R. Zeynal, 2014, Study evaluates Eagle Ford completion: American Oil & Gas Reporter, v. 57, no. 9, p. 91-93.

Nichols, B., 2014, Perfecting completions, in Eagle Ford techbook: Houston, Hart Energy Publishing, p. 68-80.

Nichols, C., and J. Griffin, 2013, Methods extend CT horizontal reach: American Oil & Gas Reporter, v. 56, no. 7, p. 83-89, 154. (Bakken)

Nikhanj, M., 2010, Fine feathers: details of Eagle Ford: Houston, TX, Hart Energy Publishing, Eagle Ford Playbook, p. 18-20.

Ning, C., Z. Jiang, Z. Gao, S. Su, T. Li, G. Wang, Z. Wang, Z. Li, R. Zhu, and L. Chen, 2017, Characteristics and controlling factors of reservoir space of mudstone and shale in Es3x in the Zhanhua Sag: Marine and Petroleum Geology, v. 88, p. 214-224.

Nordeng, S.H., 2009, The Bakken Petroleum System: an example of a continuous petroleum accumulation: North Dakota Department of DMR Mineral Resources Newsletter, v. 36, no. 1, p. 19-22.

Nordeng, S.H., and J.A. LeFever, 2009, Organic geochemical patterns in the Bakken source system: North Dakota Geological Survey Geologic Investigations 79, 1 sheet. <https://www.dmr.nd.gov/ndgs/Publication_List/pdf/geoinv/GI-79.pdf>

Nordeng, S., 2010, A brief history of oil production from the Bakken Formation in the Williston Basin: Geo News, North Dakota Department of Mineral Resources, v. 37, no. 1, p. 5-9.

Nordeng, S., J.A. LeFever, F.J. Anderson, M. Bingle-Davis, and E.H. Johnson, 2010, An examination of the factors that impact oil production from the middle member of the Bakken Formation in Mountrail County, North Dakota: North Dakota Geological Survey, Report of Investigations 109.

Nordeng, S.H., J.A. LeFever, F.J. Anderson, and E.H. Johnson, 2010, Oil generation rates and subtle structural flexure: keys to forming the Bakken sweetspot in the Parshall Field of Mountrail County, North Dakota: AAPG Search and Discovery Article No. 20094, presentation, 27 p. <http://www.searchanddiscovery.com/pdfz/documents/2010/20094nordeng/ndx_nordeng.pdf.html>

Nordeng, S.H., 2020, Estimating modern equilibrium temperatures in the Bakken Formation of North Dakota, USA: Application of an analytical solution to depth dependent changes in thermal conductivity: Marine and Petroleum Geology, v. 116, 104313.

Novak, A., and S. Egenhoff, 2019, Soft-sediment deformation structures as a tool to recognize synsedimentary tectonic activity in the middle member of the Bakken Formation, Williston Basin, North Dakota: Marine and Petroleum Geology, v. 105, p. 124-140.

Nwabuoku, K.C., J. Mullen, and J. Lowry, 2011, Log data key in developing Eagle Ford: American Oil & Gas Reporter, v. 54, no. 4, p. 125-135.

Nwabuoku, K.C., 2012, Study optimizes Eagle Ford completion: American Oil & Gas Reporter, v. 55, no. 1, p. 77-85.

O’Connell, K., D. Skari, A.J. Wheeler, and A. Rennie, 2012, Geosteering improves Bakken results: American Oil & Gas Reporter, v. 55, no. 1, p. 87-93.

O’Connell, K.E., D. Skari, R.A. Baribault, and R.F. Shelley, 2012, Data-driven approach improves evaluation, optimization of Bakken Shale completions: American Oil & Gas Reporter, v. 55, no. 9, p. 126-135.

Ocubalidet, S., H. Carvajal-Ortiz, and T. Gentzis, 2020, Post-well stimulation allocation of commingled production using geochemical fingerprinting techniques in unconventional reservoirs: A review of methods, and a case study of the Montney Formation, Western Canadian Sedimentary Basin: International Journal of Coal Geology, v. 224, 103476.

Ogiesoba, O.C., 2014, Seismic multiattribute analysis for shale gas/oil within the Austin Chalk and Eagle Ford Shale in a submarine volcanic terrain, Maverick Basin, south Texas: AAPG Search and Discovery Article 10601, 32 slides. <http://www.searchanddiscovery.com/documents/2014/10601ogiesoba/ndx_ogiesoba.pdf>

Oil and Gas Investor Staff, 2013, Eagle Ford evolution: Oil and Gas Investor, v. 33, no. 11, p. 69-72.

Ojha, S.P., S. Misra, A. Tinni, C. Sondergeld, and C. Rai, 2017, Relative permeability estimates for Wolfcamp and Eagle Ford shale samples from oil, gas and condensate windows using adsorption-desorption measurements: Fuel, v. 208, p. 52-64.

O’Neal, D., and S. Sonnenberg, 2018, Chemostratigraphic and depositional characterization of the Niobrara Formation: Techniques for assessing lateral heterogeneity, CEMEX Quarry, Lyons, Colorado, Denver-Julesburg Basin: Interpretation, v. 6, no. 1, p. SA15-SA23.

Organ, A.E., and R. Mason, 2011, Bakken activity on the rise: Hart Energy Publishing, E&P, v. 84, no. 4, p. 83-88.

Osadetz, K.G., P.W. Brooks, and L.R. Snowdon, 1992, Oil families and their sources in Canadian Williston Basin (southeastern Saskatchewan and southwestern Manitoba): Bulletin of Canadian Petroleum Geology, v. 40, p. 254-273.

Pair, J., 2016, Appalachian Basin shows upward trends in well characteristics: Hart Energy Publishing, E&P, v. 89, no.10, p. 78-79. (Marcellus; Utica)

Paneitz, J., and M. Mullen, 2009, ‘Compartmental’ completions among factors distinguishing top-producing Bakken horizontals: American Oil & Gas Reporter, v. 52, no. 6, p. 118-127.

Paneitz, J., and J. Iguaz, 2011, System completes 40-stage Bakken well: American Oil & Gas Reporter, v. 54, no. 9, p. 69-71, 206.

Pang, H., X. Ding, X. Pang, and H. Geng, 2019, Lower limits of petrophysical parameters allowing tight oil accumulation in the Lucaogou Formation, Jimusaer Depression, Junggar Basin, western China: Marine and Petroleum Geology, v. 101, p. 428-439.

Panja, P., M. Pathak, and M. Deo, 2019, Productions of volatile oil and gas-condensate from liquid rich shales: Advances in Geo-Energy Research, v. 3, p. 29-42.

Parris, T.M. and B.C. Nuttall, 2021, Berea Sandstone: New developments in a mature oil and gas play, eastern Kentucky and Ohio: AAPG Bulletin, v. 105, p. 485-492. (Sunbury Shale; Ohio Shale)

Parris, T.M., P.C. Hackley, S.F. Greb, and C.F. Eble, 2021, Molecular and isotopic gas composition of the Devonian Berea Sandstone and implications for gas evolution, eastern Kentucky: AAPG Bulletin, v. 105, p. 575-595. (Sunbury Shale; Ohio Shale)

Peng, J., K.L. Milliken, Q. Fu, X. Janson, and H.S. Hamlin, 2020, Grain assemblages and diagenesis in organic-rich mudrocks, Upper Pennsylvanian Cline shale (Wolfcamp D), Midland Basin, Texas: AAPG Bulletin, v. 104, p. 1593-1624.

Patterson, S., and R. Denne, 2019, The Maness Shale: A comparison of the geomechanical and mineralogic properties within the Lower Eagle Ford near the San Marcos Arch: AAPG Search and Discovery Article #11240, 37 p.

Peng, N., S. He, Q. Hu, B. Zhang, X. He, G. Zhai, C. He, and R. Yang, 2019, Organic nanopore structure and fractal characteristics of Wufeng and lower member of Longmaxi shales in southeastern Sichuan, China: Marine and Petroleum Geology, v. 103, p. 456-472.

Pepper, A.S., 1991, Estimating the petroleum expulsion behavior of source rocks: A novel quantitative approach, in W.A. England and A.J. Fleet, eds., Petroleum migration: London, Geological Society, Special Publication 59, p. 9-31.

Petty, D.M., 2019, An alternative interpretation for the origin of black shale in the Bakken Formation of the Williston Basin: Bulletin of Canadian Petroleum Geology, v. 67, p. 47-70.

Petzet, A., 2008, Independents nurtured Bakken to economic producibility: Oil & Gas Journal, v. 106.16, p. 38-39.

Petzet, A., 2009, Bakken, Barnett, Manitoba fuel EOG’s liquids binge: Oil & Gas Journal, v. 107.19, p. 32-33.

Petzet, A., 2010, San Juan Chaco play has Denver Niobrara elements: Oil & Gas Journal, v. 108.28, p. 66-69. (Mancos is stratigraphic equivalent of Niobrara)

Petzet, A., 2011, Louisiana, Mississippi marine shale oil play grows: Oil & Gas Journal, v. 109.15, p. 58-60.

Petzet, A., and P. Dittrick, 2011, Liquids plays rejuvenate Lower 48 onshore basins: Oil & Gas Journal, v. 109.17, p. 52-56.

Petzet, A., 2013, The Bakken’s billions: Oil & Gas Journal, v. 111.5b, p. 19.

Pfau, K., R. King, D. Tonner, S. Hughes, and M. Dix, 2012, Wellsite geoscience enhances formation evaluation while drilling: World Oil, v. 233, no. 9, p. 51-59.

Pickett, A., 2010, Excitement over liquids-rich shale plays driving new midstream capacity connection: American Oil & Gas Reporter,v. 53, no. 11, p. 62-73.

Pickett, A., 2011, Liquids-rich shales, tight oil resource plays drive new drilling activity: American Oil & Gas Reporter, v. 54, no. 2, p. 60-70.

Pickett, A., 2011, Liquids-rich plays, residual oil zone projects have Permian booming: American Oil & Gas Reporter, v. 54, no. 5, p. 64-78.

Pickett, A., 2011, Natural gas stalwarts, new liquids-rich plays fueling Rockies activity: American Oil & Gas Reporter, v. 54, no. 7, p. 50-63.

Pickett, A., 2011, Vast resource potential has operators gearing up to test Utica Shale formation: American Oil & Gas Reporter, v. 54, no. 11, p. 112-126.

Pickett, A., 2011, Liquids resource plays have oil production on rise in prolific Permian Basin: American Oil & Gas Reporter, v. 54, no. 12, p. 58-71.

Pickett, A., 2012, Booming tight oil plays poised to transform U.S. crude oil supplies, part 1: American Oil & Gas Reporter, v. 55, no. 1, p. 62-74.

Pickett, A., 2012, California operators targeting oil plays: American Oil & Gas Reporter, v. 55, no. 5, p. 80-89. (Monterey; Kreyenhagen)

Pickett, A., 2012, Projects are hopping from enduring mainstays to the next big thing in the Permian Basin: American Oil & Gas Reporter, v. 55, no. 6, p. 50-63. (Wolfberry; Bone Spring)

Pickett, A., 2013, Technology and innovation are keys to success in emerging tight oil plays, part 1: American Oil & Gas Reporter, v. 56, no. 1, p. 36-49.

Pickett, A., 2013, Banking on tight oil: the risk worth taking: American Oil & Gas Reporter, v. 56, no. 3, p. 62-69.

Pickett, A., 2013, Operators expand tight oil plays throughout the Rockies: American Oil & Gas Reporter, v. 56, no. 7, p. 198-209.

Pickett, A., 2013, Eagle Ford Shale rocketing forward: American Oil & Gas Reporter, v. 56, no. 10, p. 83-89.

Pickett, A., 2014, Niobrara, Bakken plays provide abundant targets for Rockies operators: American Oil & Gas Reporter, v. 57, no. 8, p. 208-223.

Pickett, A., 2014, Location, resource potential make Eagle Ford Shale perfect home for producers: American Oil & Gas Reporter, v. 57, no. 12, p. 68-77.

Pickett, A., 2015, Building better wells at lower costs elevates Eagle Ford: American Oil & Gas Reporter, v. 58, no. 10, p. 64-72.

Pickett, A., 2017, Operators test new concepts redefine best drilling practices in Permian resource plays: American Oil & Gas Reporter, v. 60, no. 4, p. 42-51.

Pickett, A., 2017, STACK, SCOOP plays teeming with life in Mid-Continent: American Oil & Gas Reporter, v. 60, no. 5, p. 74-81.

Pickett, A., 2017, Operators get production, activity right back on track in Eagle Ford Shale play: American Oil & Gas Reporter, v. 60, no. 10, p. 56-65.

Pierson, F., and T. Beims, 2008, ‘Significant’ oil discoveries, large resource potential put Bakken play in spotlight: American Oil & Gas Reporter, v. 51, no. 8, p. 85-95.

Pike, W.J., 2012, Good old shale oil: World Oil, v. 233, no. 12, p. 15.

Pike, W.J., 2015, Finally: true assessment of Eagle Ford water use: World Oil, v. 236, no. 1, p. 17.

Pish, T., and T. McDermott, 2010, Regional spotlight: Niobrara oil: Oil and Gas Investor, v. 30, no. 8, p. 17.

Pish, T., B. Markhasin, and P. Bryden, 2011, Regional spotlight: Alberta Bakken: Oil and Gas Investor, v. 31, no. 9, p. 17. (Exshaw Formation)

Pish, T., 2013, Regional spotlight: Three Forks: Oil and Gas Investor, v. 33, no. 6, p. 15.

Pitman J.K., L.C. Price, and J.A. LeFever, 2001, Diagenesis and fracture development in the Bakken Formation, Williston Basin—implications for reservoir quality in the middle member: U.S. Geological Survey Professional Paper 1653, 19 p.

Pollastro, R.M., T.A. Cook, L.N.R. Roberts, C.J. Schenk, M.D. Lewan, L.O. Anna, S.B. Gaswirth, P.G. Lillis, T.R. Klett, and R.R. Charpentier, 2008, Assessment of undiscovered oil resources in the Devonian-Mississippian Bakken Formation, Williston Basin Province, Montana and North Dakota, 2008: U.S. Geological Survey Fact Sheet 2008-3021. <http://pubs.usgs.gov/fs/2008/3021/pdf/FS08-3021_508.pdf>

Pollastro, R.M., L.N.R. Roberts, T.A. Cook, and M.D. Lewan, 2008, Assessment of undiscovered technically recoverable oil and gas resources of the Bakken Formation, Williston Basin, Montana and North Dakota, 2008: U.S. Geological Survey Open-File Report 2008-1353, 3 sheets. <http://pubs.usgs.gov/of/2008/1353/>

Pollastro, R.M., L.N.R. Roberts, and T.A. Cook, 2012, Geologic model for the assessment of technically recoverable oil in the Devonian–Mississippian Bakken Formation, Williston Basin, in J.A. Breyer, ed., Shale reservoirs—Giant resources for the 21st century: AAPG Memoir 97, p. 205-257.

Polzin, W., 2011, Tomorrow’s oil/liquids plays: Oil and Gas Investor, v. 31, no. 4, p. 15.

Pomerantz, A.E., K.D. Bake, P.R. Craddock, K.W. Kurzenhauser, B.G. Kodalen, S. Mitra-Kirtley, and T.B. Bolin, 2014, Sulfur speciation in kerogen and bitumen from gas and oil shales: Organic Geochemistry, v. 68, p. 5-12.

Pommer, M.E., K.L. Milliken, and A. Ozkan, 2014, Pore types across thermal maturity: Eagle-Ford Formation, south Texas: AAPG Search and Discovery Article #50987, 22 slides.

Portis, D.H., H. Bello, M. Murray, B. Suliman, G.J. Barzola, and N. Basu, 2013, Study analyzes key factors driving well performance in Eagle Ford Shale play: American Oil & Gas Reporter, v. 56, no. 10, p. 72-80.

Prado, L., 2012, Unconventional completions, techniques return oil the throne, in North American Unconventional Yearbook 2012: Houston, Hart Energy Publishing, p. 2-20.

Prado, L., 2013, Rockies midstream: ‘We’re all oil, all the time’: Oil and Gas Investor, v. 33, no. 1, p. 32-38.

Presley, J., 2012, Eaglebine producers bring new technology to the historic Woodbine: Hart Energy Publishing, E&P, v. 85, no. 12, p. 72-75.

Presley, J., 2013, Evolution in the North Dakota Bakken leads to its elevation: Hart Energy Publishing, E&P, v. 86, no. 3, p. 110, 112-113.

Presley, J., L. Haines, and L. Vermillion, 2017, Anadarko’s emerging plays: Oil and Gas Investor, v. 37, no. 11, p. 60-63.

Presley, J., 2018, Unraveling the Bakken’s EOR complexity: Hart Energy Publishing, E&P, v. 91, no. 3, p. 12-13.

Price, L.C., T. Ging, T. Daws, A. Love, M. Pawlewicz, and D. Anders, 1984, Organic metamorphism in the Mississippian-Devonian Bakken Shale North Dakota portion of the Williston Basin, in J. Woodward, F.F. Meissner, and J.L. Clayton, eds., Hydrocarbon source rocks of the Greater Rocky Mountain Region: Denver, Rocky Mountain Association of Geologists, p. 83-134.

Price, L.C., and J.A. LeFever, 2011, Does Bakken horizontal drilling imply a huge oil-resource base in fractured shales?, in J.W. Robinson, J.A. LeFever, and S.B. Gaswirth, eds., The Bakken-Three Forks petroleum system in the Williston Basin: Denver, Rocky Mountain Association of Geologists, p. 199-214.

Priestman, A., 2011, Niobrara: references: Houston, Hart Energy Publishing, Niobrara Shale Playbook, p. 70-84.

Pucci, J.C., 2013, Argentina’s Alvear subbasin may have unconventional oil: Oil & Gas Journal, v. 111.7, p. 56-67.

Raji, M., D.R. Grőcke, H.C. Greenwell, J.G. Gluyas, and C. Cornford, 2015, The effect of interbedding on shale reservoir properties: Marine and Petroleum Geology, v. 67, p. 154-169. (Kimmeridge Clay Formation)

Ramiro-Ramirez, S., and A. Padin, 2017, Nano-scale pore characterization of the Eagle Ford Shale, Texas: AAPG Search and Discovery Article #51381, 3 p.

Ramurthy, K., M. Brown, J. Richardson, N. Sahdev, J. Wiener, and M. Garcia, 2016, Diversion improves completion results: American Oil & Gas Reporter, v. 57, no. 6, p. 69-73. (Niobrara)

Redden, J., 2012, Bakken Three Forks infrastructure, takeaway woes only threats to high activity: World Oil, v. 233, no. 5, p. 54-67.

Redden, J., 2012, Niobrara Shale hoping complex play becomes next Bakken: World Oil, v. 233, no. 9, p. 82-93.

Redden, J., 2012, Unlocking the secrets of the U.S.’ largest onshore oil reserves: World Oil, v. 233, no. 11, p. 88-96.

Redden, J., 2013, Woodford Shale: SCOOP helps advance Oklahoma’s drive for oil: World Oil, v. 234, no. 1, p. 58-65.

Redden, J., 2013, Canadian shales shift focus to tight oil, but drilling down: World Oil, v. 234, no. 5, p. 78-87.

Redden, J., 2013, Bakken/Three Forks shale once-ignored zone could double reserve base: World Oil, v. 234, no. 6, p. 82-92.

Redden, J., 2013, Eagle Ford: Bakken in sight as play extends beyond core: World Oil, v. 234, no. 8, p. 74-84.

Redden, J., 2013, Niobrara independents unravel play, hike liquids production: World Oil, v. 234, no. 9, p. 106-116.

Redden, J., 2013, Monterey/Santos operators struggle with cracking code: World Oil, v. 234, no. 11, p. 82-92.

Redden, J., 2014, Bakken/Three Forks decline rate, gas flaring top hit list of Williston operators: World Oil, v. 235, no. 6, p. 144-154.

Redden, J., 2014, Eagle Ford/Pearsall: Deals abound, as production in play approached 1 MM BPD: World Oil, v. 235, no. 8, p. 88-100.

Redden, J., 2014, Profile: BHP Billiton; technology fuels BHP’s Eagle Ford improvements: World Oil, v. 235, no. 8, p. 103-106.

Redden, J., 2014, Niobrara-Codell production rising despite anti-drilling backlash: World Oil, v. 235, no. 10, p. 68-80.

Redden, J., 2015, U.S. Rockies capital shift squeezes unconventional prospects: World Oil, v. 236, no. 3, p. 70-78.

Redden, J., 2015, Canadian shales drilling, LNG prospects face stiff headwinds: World Oil, v. 236, no. 5, p. 64-73.

Redden, J., 2015, Eagle Ford/Pearsall: fewer rigs, less production: World Oil, v. 236, no. 8, p. 74-82.

Redden, J., 2015, Niobrara-Codell shale; attractive sweet-spot margins help ease pain of low prices: World Oil, v. 236, no. 10, p. 70-79.

Redden, J., 2016, Permian shales: Best bet in a field of also-rans: World Oil, v. 237, no. 5, p. 60-65.

Redden, J., 2016, Bakken-Three Forks shale deferrals replace unchecked production: World Oil, v. 237, no. 6, p. 60-66.

Redden, J., 2016, Eagle Ford/Pearsall Shale: only the core survives mounting ROR pressure: World Oil, v. 237, no. 8, p. 58-63.

Redden, J., 2017, Eagle Ford Shale making hay in a temperamental market: World Oil, v. 238, no. 8, p. 56-62.

Redden, J., 2017, Niobrara Shale: Drilling, production up amid new regulatory concerns: World Oil, v. 238, no. 10, p. 56-61.

Redden, J., 2018, Permian Basin: Soaring drilling, production block out irritants: World Oil, v. 239, no. 4, p. 78-85.

Redden, J., 2018, Bakken/Three Forks Shale: For now, bust-to-boom mentality grips Williston Basin: World Oil, v. 239, no. 6, p. 62-66.

Redden, J., 2018, Eagle Ford Shale: Payback time, as LLS pricing lifts netbacks: World Oil, v. 239, no. 7, p. 56-59.

Redden, J., 2018, Niobrara Shale & Uinta Basin fates hinge on election, cracking the code: World Oil, v. 239, no. 10, p. 62-66.

Redden, J., 2019, Permian Basin — majors double down as takeaway crunch eases: World Oil, v. 240, no. 4, p. 72-79.

Redden, J., 2019, Bakken/Three Forks Shale: expanded core delivering new production highs after epic winter: World Oil, v. 240, no. 6, p. 78-81.

Redden, J., 2019, Niobrara-Codell shale: record production amidst regulatory mélange: World Oil, v. 240, no. 10, p. 48-51.

Remington LaChance, L.E., and M.C. Robinson, 2012, Sequence stratigraphy of the Upper Cretaceous Niobrara Formation, A Bench, Wattenberg field, Denver Julesburg Basin, Colorado: AAPG Search and Discovery Article #20176, 35 p. <http://www.searchanddiscovery.com/documents/2012/20176lachance/ndx_lachance.pdf>

Reynolds, C., 2013, The Cline Shale: another Texas giant?: Oil and Gas Investor, v. 33, no. 9, p. 17.

Riazi, N., C.R. Clarkson, A. Ghanizadeh, A. Vahedian, S. Aquino, and J.M. Wood, 2017, Determination of elastic properties of tight rocks from ultrasonic measurements: Examples from the Montney Formation (Alberta, Canada): Fuel, v. 196, p. 442-457.

Riley, R.A., M.S. Erenpreiss, and J.G. Wells, 2012, Data compilation and source rock mapping of the Upper Ordovician black shale interval in Ohio: Ohio Department of Natural Resources, Division of Geological Survey, Final Report, 29 p. <https://energy.usgs.gov/GeneralInfo/EnergyNewsroomAll/TabId/770/ArtMID/3941/ArticleID/823/Data-compilation-and-source-rock-mapping-of-the-Upper-Ordovician-black-shale-interval-in-Ohio.aspx>

Robison, C.R., 1997, Hydrocarbon source rock variability within the Austin Chalk and Eagle Ford Shale (Upper Cretaceous), east Texas, U.S.A.: International Journal of Coal Geology, v. 34, p. 287-305.

Romero, D.H., and S.W. Poston, 2017, Data mining delineates opportunites using public Eagle Ford data: American Oil & Gas Reporter, v. 60, no. 1, p. 74-83.

Romero-Sarmiento, M.-F., S. Ramiro-Ramirez, G. Berthe, M. Fleury, and R. Littke, 2018, Geochemical and petrophysical source rock characterization of the Vaca Muerta Formation, Argentina: Implications for unconventional petroleum resource estimations: International Journal of Coal Geology, v. 184, p. 27-41.

Romero-Sarmiento, M.-F., S. Rohais, and R. Littke, 2019, Lacustrine Type I kerogen characterization at different thermal maturity levels: Application to the Late Cretaceous Yacoraite Formation in the Salta Basin – Argentina: International Journal of Coal Geology, v. 203, p. 15-27.

Romero-Sarmiento, M.-F., 2019, A quick analytical approach to estimate both free versus sorbed hydrocarbon contents in liquid-rich source rocks: AAPG Bulletin, v. 103, p. 2031-2043.

Roth, M., 2010, Unconventional approaches aid Eagle Ford development: World Oil, v. 231, no. 7, p. D-119.

Roth, M., M. Roth, and T. Royer, 2014, An analytic approach to sweetspot mapping in the Eagle Ford unconventional play: AAPG Search and Discovery Article No. 80406, 10 p. <http://www.searchanddiscovery.com/pdfz/documents/2014/80406roth/ndx_roth.pdf.html>

Roth, M., and M. Roth, 2018, Understanding depletion effects on well performance in the Middle Bakken Formation: AAPG Search and Discovery Article #42189, 59 p. <http://www.searchanddiscovery.com/pdfz/documents/2018/42189roth/ndx_roth.pdf.html>

Ruble, T.E., and S. Brightwell-Coats, 2018, Assessing unconventional resource potential of Lower Cretaceous carbonates in the south Florida basin, USA: AAPG Search and Discovery Article #11071, 36 p. <http://www.searchanddiscovery.com/pdfz/documents/2018/11071ruble/ndx_ruble.pdf.html>

Ruegamer, M.L., 2014, Optimized completions boost output: American Oil & Gas Reporter, v. 57, no. 12, p. 83-86. (Eagle Ford)

Runciman, R., and B. Papau, 2012, Digging into the Duvernay: Oil and Gas Investor, v. 32, no. 6, p. 67-69.

Salamon, M., 2013, Bakken: Both sides of the border, in Bakken/Exshaw playbook: Houston, Hart Energy Publishing, p. 94-99. (economics)

Salamon, M., 2014, Rockies tight sands and shales: production forecase: Back to the future: Wyoming’s surging oil production, in Rockies tight sands and shales playbook: Houston, Hart Energy Publishing, p. 76-79. (Powder River formations)

Sanaei, A., 2016, Optimizing completion in unconventionals: What we know now: AAPG Search and Discovery Article #80525, 61 p. (Eagle Ford)

Sanchez-Rivera, D., K. Mohanty, and M. Balhoff, 2015, Reservoir simulation and optimization of Huff-and-Puff operations in the Bakken Shale: Fuel, v. 147, p. 82-94.

Sang, Q., S. Zhang, Y. Li, M. Dong, and S. Bryant, 2018, Determination of organic and inorganic hydrocarbon saturations and effective porosities in shale using vacuum-imbibition method: International Journal of Coal Geology, v. 200, p. 123-134.

Santogrossi, P., 2017, Technology reveals Eagle Ford insights: American Oil & Gas Reporter, v. 60, no. 1, p. 101-105.

Saraji, S., and M. Piri, 2015, The representative sample size in shale oil rocks and nano-scale characterization of transport properties: International Journal of Coal Geology, v. 146, p. 42-54. (Bakken)

Sardo, A., 2012, Looking for liquids north of the border, in Canada playbook: Houston, Hart Energy Publishing, p. 72-75. (Cardium, Exshaw, Montney, Duvernay)

Sardo, A., 2014, Producers 2—Refiners 0: Oil and Gas Investor, v. 34, no. 8, p. 19. (Eagle Ford condensate)

Sarg, J.F., S.A. Sonnenberg, M. Prasad, and M. Batzel, 2008, The Bakken–An unconventional petroleum and reservoir system–a research consortium opportunity, Colorado School of Mines: RMAG Outcrop, v. 57, no. 7, p. 6-16.

Saucier, H., 2014, Bakken boom bring big changes to Dakota: AAPG Explorer, v. 35, no. 6, p. 14,16, 18. <http://www.aapg.org/publications/news/explorer/emphasis/articleid/10185/bakken-boom-brings-big-changes-to-dakota>

Schenk, C.J., R.R. Charpentier, T.R. Klett, T.J. Mercier, M.E. Tennyson, J.K. Pitman, and M.E. Brownfield, 2014, Assessment of potential unconventional lacustrine shale-oil and shale-gas resources, Phitsanulok Basin, Thailand, 2014: USGS Fact Sheet 2014-3033, 2 p.

Schenk, C.J., 2014, Assessment of unconventional oil and gas resources in northeast Mexico, 2014: USGS Fact Sheet 2014-3047, 4 p.

Schenk, C.J., 2014, Assessment of potential shale-oil and shale-gas resources in Silurian shales of Jordan, 2014: USGS Fact Sheet 2014-3082, 2 p.

Schenk, C.J., R.R. Charpentier, T.R. Klett, M.E. Tennyson, T.J. Mercier, M.E. Brownfield, J.K. Pitman, S.B. Gaswirth, and H.M. Leathers-Miller, 2015, Assessment of shale-oil resources of the Central Sumatra Basin, Indonesia, 2015: U.S. Geological Survey Fact Sheet 2015-3072, 2 p. <http://pubs.er.usgs.gov/publication/fs20153072>

Schenk, C.J., T.J. Mercier, J.K. Pittman, T.M. Finn, P.A. Le, S.B. Gaswirth, K.R. Marra, and H.M. Leathers-Miller, 2018, Assessment of continuous oil and gas resources of the Putumayo-Oriente-Marañón Basin Province of Colombia, Ecuador, and Perú, 2018: U.S. Geological Survey, Fact Sheet 2018-3048, 2 p. <https://pubs.er.usgs.gov/publication/fs20183048>

Schenk, C.J., T.J. Mercier, J.K. Pitman, P.A. Le, M.E. Tennyson, M.E. Brownfield, K.R. Marra, H.M. Leathers-Miller, R.M. Drake II, and T.R. Klett, 2018, Assessment of continuous oil and gas resources of the Timan-Pechora Basin Province, Russia, 2018: U.S. Geological Survey, Fact Sheet 2018-3050, 2 p. <https://pubs.er.usgs.gov/publication/fs20183050>

Schenk, C.J., T.J. Mercier, M.E. Tennyson, P.A. Le, M.E. Brownfield, K.R. Marra, S.B. Gaswirth, H.M. Leathers-Miller, and R.M. Drake II, 2019, Assessment of continuous oil and gas resources in the Duvernay Formation, Alberta Basin Province, Canada, 2018: U.S. Geological Survey, Fact Sheet 2018-3065, 2 p. <https://pubs.er.usgs.gov/publication/fs20183065>

Schieber, J., R. Lazar, K. Bohacs, R. Klimentidis, M. Dumitrescu, and J. Ottmann, 2016, An SEM study of porosity in the Eagle Ford Shale of Texas — Pore types and porosity distribution in a depositional and sequence-stratigraphic context: in J.A. Breyer, ed., The Eagle Ford Shale: A renaissance in U.S. oil production: AAPG Memoir 110, p. 167-186.

Schmoker, J.W., and T.C. Hester, 1983, Organic carbon in the Bakken Formation, United States portion of the Williston Basin: AAPG Bulletin, v. 67, p. 2165-2174.

Schmoker, J.W., 1996, A resource evaluation of the Bakken Formation (Upper Devonian and Lower Mississippian) continuous oil accumulation, Williston Basin, North Dakota and Montana: Mountain Geologist, v. 33, p. 1-10.

Schrynemeeckers, R., 2015, Optimizing placement of laterals and fracture stages using downhole geochemical logging — an Eagle Ford case study: AAPG Search and Discovery Article #41615, 31 p. <http://www.searchanddiscovery.com/documents/2015/41615schrynemeeckers/ndx_schrynemeeckers.pdf>

Schrynemeeckers, R., 2015, Creating a 3-D hydrocarbon profile in the Eagle Ford Shale play and relating that information to field production: AAPG Search and Discovery Article #51093, 52 p. <http://www.searchanddiscovery.com/documents/2015/51093schrynemeeckers/ndx_schrynemeeckers.pdf>

Scott, M., and J. Stake, 2013, Growing condensates require optimized designs for gathering, processing: American Oil & Gas Reporter, v. 56, no. 8, p. 98-105.

Sen, S., and H. Kozlu, 2020, Impact of maturity on producible shale oil volumes in the Silurian (Llandovery) hot shales of the northern Arabian plate, southeastern Turkey: AAPG Bulletin, v. 104, p. 507-524.

Senhu, L., Y. Zhi, H. Lianhua, L. Xia, and L. Qun, 2019, Geostatistic recognition of genetically distinct shale facies in upper Triassic Chang 7 section, the Ordos Basin, north China: Marine and Petroleum Geology, v. 102, p. 176-186.

Shao, D., G.S. Ellis, Y. Li, and T. Zhang, 2018, Experimental investigation of the role of rock fabric in gas generation and expulsion during thermal maturation: Anhydrous closed-system pyrolysis of a bitumen-rich Eagle Ford Shale: Organic Geochemistry, v. 119, p. 22-35.

Shao, X., X. Pang, H. Li, T. Hu, T. Xu, Y. Xu, and B. Li, 2018, Pore network characteristics of lacustrine shales in the Dongpu Depression, Bohai Bay Basin, China, with implications for oil retention: Marine and Petroleum Geology, v. 96, p. 457-473.

Shaw, B., 2017, Insights from Stratas Advisors: Bakken Shale: Oil and Gas Investor, v. 37, no. 1, p. 19.

Sheehan, C., 2013, DUG East: Marcellus, Utica plays could hit it big with ethane: Oil and Gas Investor, v. 33, no. 1, p. 54-56.

Sheehan, C., 2013, The Niobrara extends its reach: Oil and Gas Investor, v. 33, no. 5, p. 42-55.

Sheehan, C., 2014, Laramie County Codell: Oil and Gas Investor, v 34, no. 8, p. 95-96.

Sheehan, C., 2015, Green shoots in Greeley: Oil and Gas Investor, v 35, no. 8, p. 50-61. (Niobrara)

Sheehan, C., 2017, Backing the Niobrara: Oil and Gas Investor, v. 37, no. 3, p. 36-47.

Sheng, J.J., and K. Chen, 2014, Evaluation of the EOR potential of gas and water injection in shale oil reservoirs: Journal of Unconventional Oil and Gas Resources, v. 5, p. 1-9.

Sheng, J.J., 2015, Increase liquid oil production by huff-n-puff of produced gas in shale gas condensate reservoirs: Journal of Unconventional Oil and Gas Resources, v. 11, p. 19-26.

Sheng, J.J., 2017, Critical review of field EOR projects in shale and tight reservoirs: Journal of Petroleum Science and Engineering, v. 159, p. 654-665.

Sherlock, K., and B. de Ribet, 2013, Resource plays driving new workflows: American Oil & Gas Reporter, v. 56, no. 1, p. 111-119.

Simenson, A., S. Sonnenberg, and R. Cluff, 2011, Depositional facies and petrophysical analysis of the Bakken Formation, Parshall Field and surrounding area, Mountrail County, North Dakota, in J.W. Robinson, J.A. LeFever, and S.B. Gaswirth, eds., The Bakken-Three Forks petroleum system in the Williston Basin: Denver, Rocky Mountain Association of Geologists, p. 48-101.

Simmons, S., 2011, Niobrara midstream: Houston, Hart Energy Publishing, Niobrara Shale Playbook, p. 62-63.

Simmons, S., 2012, Unconventional resource developments drive future production, in North American Unconventional Yearbook 2012: Houston, Hart Energy Publishing, p. 184-205.

Simmons, W., 2012, Awash with activity: Houston, Hart Energy Publishing, Panhandle Plays, the playbook, p. 66-72.

Simon, C.J., 2010, Hot on Eagle Ford: Oil and Gas Investor, v. 30, no. 9, p. 17.

Sinclair, S., D. Nicklin, and G. Treadgold, 2011, Advanced 3-D technologies key to exploring, drilling in Eagle Ford Shale play: American Oil & Gas Reporter, v. 54, no. 1, p. 111-119.

Skinner, O., L. Canter, M.D. Sonnenfeld, and M. Williams, 2015, Discovery of “Pronghorn” and “Lewis and Clark” fields: Sweet-spots within the Bakken petroleum system producing from the Sanish/Pronghorn member NOT the Middle Bakken or Three Forks!: AAPG Search and Discovery Article #110176, 49 p. <http://www.searchanddiscovery.com/documents/2015/110176skinner/ndx_skinner.pdf>

Smith, M.G., and M. Bustin, 1996, Lithofacies and paleoenvironments of the Upper Devonian and Lower Mississippian Bakken Formation, Williston Basin: Bulletin of Canadian Petroleum Geology, v. 44, p. 495-507.

Smith, M.G., and R.M. Bustin, 2000, Late Devonian and Early Mississippian Bakken and Exshaw black shale source rocks, Western Canada Sedimentary Basin—a sequence stratigraphy interpretation: American Association of Petroleum Geologists Bulletin, v. 84, p. 940-960.

Smith Llinás, E., 2015, The evolution and future of unconventional oil plays: AAPG Explorer, v. 36, no. 7, p. 20, 22 <http://www.aapg.org/publications/news/explorer/emphasis/articleid/21121/the-evolution-and-future-of-unconventional-oil-plays>

Snow, N., 2013, Yergin: US energy policies must reflect unconventional resources: Oil & Gas Journal, v. 111.2c, p. 20-22.

Sobernheim, D., and P. Pankaj, 2015, Long-term study reveals effectiveness of low-channel fracturing technique in Eagle Ford, in Eagle Ford Shale: the 2015 playbook: Houston, Hart Energy Publishing, p. 44-46.

Soeder, D.J., 2018, When oil and water mix: Understanding the environmental impacts of shale development: GSA Today, v. 28, no. 9, p. 4-10. <http://www.geosociety.org/gsatoday/science/G361A/GSATG361A.pdf>

Solano, N.A., C.R. Clarkson, and F.F. Krause, 2016, Characterization of fine-scale rock structure and differences in mechanical properties in tight oil reservoirs: An evaluation at the scale of elementary lithological components combining photographic and X-ray computed tomographic imaging, profile-permeability and microhardness testing: Journal of Unconventional Oil and Gas Resources, v. 15, p. 22-42. (Cardium)

Song, J., R. Llittke, P. Weniger, C. Ostertag-Henning, and S. Nelskamp, 2015, Shale oil potential and thermal maturity of the Lower Toarcian Posidonia Shale in NW Europe: International Journal of Coal Geology, v. 150-151, p. 127-153.

Song, Y., S. Li, and S. Hu, 2019, Warm-humid paleoclimate control of salinized lacustrine organic-rich shale deposition in the Oligocene Hetaoyuan Formation of the Biyang Depression, east China: International Journal of Coal Geology, v. 202, p. 69-84.

Sonnenberg, S.A., and R.J. Weimer, 1993, Oil production from Niobrara Formation, Silo Field, Wyoming: fracturing associated with a possible wrench fault system (?): The Mountain Geologist, v. 30, no. 2, p. 39-54.

Sonnenberg, S.A., and A. Pramudito, 2009, Petroleum geology of the giant Elm Coulee field, Williston Basin: AAPG Bulletin, v. 93, p. 1127-1153.

Sonnenberg, S.A., 2010, Focusing on the Bakken: Houston, Hart Energy Publishing, Bakken/Three Forks Playbook, p. 4-20.

Sonnenberg, S.A., 2011, TOC and pyrolysis data for the Bakken shales, in J.W. Robinson, J.A. LeFever, and S.B. Gaswirth, eds., The Bakken-Three Forks petroleum system in the Williston Basin: Denver, Rocky Mountain Association of Geologists, p. 308-331.

Sonnenberg, S.A., 2011, Niobrara overview: a major tight resource play in the Rockies: Houston, Hart Energy Publishing, Niobrara Shale Playbook, p. 4-20.

Sonnenberg, S.A., 2011, The Niobrara Petroleum System, a major tight resource play in the Rocky Mountain region: AAPG Search and Discovery Article 10355, 32 slides. <http://www.searchanddiscovery.com/documents/2011/10355sonnenberg/ndx_sonnenberg.pdf?zbrandid=4051&zidType=CH&zid=9722070&zsubscriberId=1001009476&zbdom=http://aapg.informz.net>

Sonnenberg, S.A., J.A. LeFever, and R. Hill, 2011, Fracturing in the Bakken petroleum system, Williston Basin, in J.W. Robinson, J.A. LeFever, and S.B. Gaswirth, eds., The Bakken-Three Forks petroleum system in the Williston Basin: Denver, Colorado, Rocky Mountain Association of Geologists, p. 393-417.

Sonnenberg, S.A., 2011, The Niobrara petroleum system: A new resource play in the Rocky Mountain region, in J.E. Estes-Jackson and D.S. Anderson, eds., Revisiting and revitalizing the Niobrara in the central Rockies: Denver, Rocky Mountain Association of Geologists, p. 13-32.

Sonnenberg, S.A., and D. Underwood, 2012, Polygonal fault systems: A new structural style for the Niobrara Formation, Denver Basin, CO: AAPG Search and Discovery Article #50624, 8 p. <http://www.searchanddiscovery.com/documents/2012/50624sonnenberg/ndx_sonnenberg.pdf>

Sonnenberg, S.A., 2012, The new Bakken play in eastern Montana: AAPG Search and Discovery Article #10424, 37 p. <http://www.searchanddiscovery.com/documents/2012/10424sonnenberg/ndx_sonnenberg.pdf>

Sonnenberg, S.A., 2012, The Niobrara petroleum system, Rocky Mountain region: AAPG Search and Discovery Article #80206, 72 p. <http://www.searchanddiscovery.com/pdfz/documents/2012/80206sonnenberg/ndx_sonnenberg.pdf.html>

Sonnenberg, S.A., 2013, Interest, activity continue in the Bakken, in Bakken/Exshaw playbook: Houston, Hart Energy Publishing, p. 4-20.

Sonnenberg, S.A., 2015, Sweet-spotting critical in the Bakken, in Bakken and Niobrara shales: The playbook: Houston, Hart Energy Publishing, p. 4-26.

Sonnenberg, S.A., 2015, Reservoir, source rocks make Niobrara enticing, in Bakken and Niobrara shales: The playbook: Houston, Hart Energy Publishing, p. 28-35.

Sonnenberg, S., and L. Meckel, 2016, Our current working model for unconventional tight petroleum systems: oil and gas: AAPG Search and Discovery Article 41968, 36 p. <http://www.searchanddiscovery.com/pdfz/documents/2016/41968sonnenberg/ndx_sonnenberg.pdf.html>

Sonnenberg, S., and L. Meckel, 2017, Our current working model for unconventional tight petroleum systems: Oil and gas: AAPG Search and Discovery Article #80589, 8 p.

Sonnenberg, S.A., 2017, Keys to Niobrara and Codell production, East Pony/Redtail area, Denver Basin, Colorado: AAPG Search and Discovery Article #10991, 3 p. <http://www.searchanddiscovery.com/pdfz/documents/2017/10991sonnenberg/ndx_sonnenberg.pdf.html>

Sonnenberg, S., C. Theloy, and H. Jin, 2017, The giant continuous oil accumulation in the Bakken petroleum system, U.S. Williston Basin, in R.K. Merrill and C.A. Sternbach, eds., Giant fields of the decade 2000-2010: AAPG Memoir 113, p. 91-119.

Sonnenberg, S., R.R. Ray, D. O’Neal, B. Dellenbach, E. Finley, M. Hinricher, and H. Durkee, 2018, Introduction to special section: The Niobrara petroleum system, a multibasin resource play in the Rockies: Interpretation, v. 6, no. 1, p. SAi.

Sonnenberg, S.A., 2020, The Bakken-Three Forks super giant play, Williston Basin: AAPG Bulletin, v. 104, p. 2557-2601.

Sorensen, J.A., and J.A. Hamling, 2016, Historical Bakken test data provide critical insights on EOR in tight oil plays: American Oil & Gas Reporter, v. 59, no. 2, p.

Sperr, J.T., 1991, Exploration models for Bakken reservoirs–Williston Basin, North Dakota and Montana, in B. Hansen, ed., Geology and horizontal drilling of the Bakken Formation: Billings, Montana Geological Society, p. 143-149.

Stell, J., 2009, Bakken breakout: Oil and Gas Investor, v. 29, no. 10, p. 52-56.

Stell, J., 2010, Bakken’s infrastructure grows up: Houston, Hart Energy Publishing, Bakken/Three Forks Playbook, p. 84-87.

Steptoe, A., 2012, Petrofacies and depositional systems of the Bakken Formation in the Williston Basin, North Dakota: Morgantown, West Virginia University, unpublished M.S. thesis, 154 p.

Stevens, S.H. and K.D. Moodhe, 2015, Evaluation of Mexico’s shale oil and gas potential: SPE Latin American and Caribbean Petroleum Engineering Conference, SPE Paper 177139, 15 p. <https://www.onepetro.org/download/conference-paper/SPE-177139-MS?id=conference-paper%2FSPE-177139-MS>

Stillwell, B., and D. Hartz, 2010, Regional spotlight: Eagle Ford: Oil and Gas Investor, v. 30, no. 2, p. 17.

Stillwell, B., and T. Pish, 2010, Regional spotlight: Bakken Formation: Oil and Gas Investor, v. 30, no. 5, p. 17.

Stone, T.L., 2013, Pump reliability key in fluids transfer: American Oil & Gas Reporter, v. 56, no. 10, p. 98-99. (Eagle Ford)

Stoneburner, R.K., 2017, The Eagle Ford Shale field in the Gulf Coast Basin of south Texas, U.S.A.: A “perfect” unconventional giant oil field, in R.K. Merrill and C.A. Sternbach, eds., Giant fields of the decade 2000-2010: AAPG Memoir 113, p. 121-140.

Stuchly, E.V., 2013, Hydrocarbon sweet spots in the Eagle Ford Formation, south Texas: Delineation through basin modeling: Norman, Oklahoma, University of Oklahoma, unpublished M.S. thesis, 144 p.

Suárez-Ruiz, I., T. Juliao, F. Suárez-García, R. Marquez, and B. Ruiz, 2016, Porosity development and the influence of pore size on the CH4 adsorption capacity of a shale oil reservoir (Upper Cretaceous) from Colombia. Role of solid bitumen: International Journal of Coal Geology, v. 159, p. 1-17.

Sun, X., T. Zhang, Y. Sun, K.L. Milliken, and D. Sun, 2016, Geochemical evidence of organic matter source input and depositional environments in the lower and upper Eagle Ford Formation, south Texas: Organic Geochemistry, v. 98, p. 66-81.

Sun, X., Q. Liang, C. Jiang, D. Enriquez, T. Zhang, and P. Hackley, 2017, Liquid hydrocarbon characterization of the lacustrine Yanchang Formation, Ordos Basin, China: Organic-matter source variation and thermal maturity: Interpretation, v. 5, no. 2, p. SF225-SF242.

Tang, M., H. Zhao, H. Ma, S. Lu, and Y. Chen, 2016, Study on CO2 huff-n-puff of horizontal wells in continental tight oil reservoirs: Fuel, v. 188, p. 140-154.

Tathed, P., Y. Han, and S. Misra, 2018, Hydrocarbon saturation in upper Wolfcamp shale formation: Fuel, v. 219, p. 375-388.

Tathed, P., Y. Han, and S. Misra, 2018, Hydrocarbon saturation in Bakken Petroleum System based on joint inversion of resistivity and dielectric dispersion logs: Fuel, v. 233, p. 45-55.

Taylor, B., 2010, Bakken bounty: Oil and Gas Investor, v. 30, no. 9, p. 67-69.

Telker, C., 2013, Source mechanism analysis to determine optimal wellbore orientation in the Eagle Ford play: AAPG Search and Discovery Article #41196, 17 p. <http://www.searchanddiscovery.com/documents/2013/41196telker/ndx_telker.pdf>

Temple, B., 2012, Sunniland shale—an emerging south Florida basin liquids play: Oil & Gas Journal, v. 110.3, p. 56-58.

Tennyson, M.E., R.R. Charpentier, T.R. Klett, M.E. Brownfield, J.K. Pitman, S.B. Gaswirth, S.J. Hawkins, P.G. Lillis, K.R. Marra, T.J. Mercier, H.M. Leathers, C.J. Schenk, and K.J. Whidden, 2015, Assessment of undiscovered continuous oil and gas resources in the Monterey Formation, San Joaquin Basin Province, California, 2015: U.S. Geological Survey Fact Sheet 2015-3058, 2 p. <http://pubs.er.usgs.gov/publication/fs20153058>

Terrell, H., 2012, The Niobrara formation—today it’s all about liquids, but gas will have its encore: World Oil, v. 233, no. 4, p. 27.

Terrell, H., 2013, The Bakken Shale and the Red Queen’s race: World Oil, v. 234, no. 12, p. 19.

Tessin, A., T.S. Bianchi, N.D. Sheldon, I. Hendy, J.A. Hutchings, and T.E. Arnold, 2017, Organic matter source and thermal maturity within the Late Cretaceous Niobrara Formation, U.S. Western Interior: Marine and Petroleum Geology, v. 86, p. 812-822.

TGS, 2017, The US Bakken Shale play: an EUR analysis: Hart Energy Publishing, E&P, v. 90, no. 9, p. 90-91.

Theloy, C., and S.A. Sonnenberg, 2012, Factors influencing productivity in the Bakken play, Williston Basin: AAPG Search and Discovery Article #10413, 23 p. <http://www.searchanddiscovery.com/documents/2012/10413theloy/ndx_theloy.pdf>

Theloy, C., and S. Sonnenberg, 2013, New insights into the Bakken play: What factors control production?: AAPG Search and Discovery Article #80332, 28 p. <http://www.searchanddiscovery.com/pdfz/documents/2013/80332theloy/ndx_theloy.pdf.html>

Theloy, C., 2014, Integration of geological and technological factors influencing production in the Bakken play, Williston Basin: Golden, Colorado, Colorado School of Mines, unpublished Ph.D. dissertation, 223 p.

Theloy, C., J.E. Leonard, and S.C. Smith, 2019, An uncertainty approach to estimate recoverable reserves from the Bakken petroleum system in the North Dakota part of the Williston Basin: AAPG Bulletin, v. 103, p. 2295-2315.

Thomas, M., 2012, Shale’s ripple effect goes global: Hart Energy Publishing, E&P, v. 85, no. 7, p. 32-38. (Russia, China, Australia)

Thornhill, S., 2012, The Panhandle plays: Houston, Hart Energy Publishing, Panhandle Plays, the playbook, p. 4-19.

Thornhill, S., 2014, Operators see economic potential in Tuscaloosa Marine Shale play, in Tuscaloosa Marine Shale playbook: Houston, Hart Energy Publishing, p. 4-11.

Thul, D.J., and S. Sonnenberg, 2013, Niobrara source rock maturity in the Denver Basin: A study of differential heating and tectonics on petroleum prospectivity using programmed pyrolysis: AAPG Search and Discovery Article #80341, 31 p. <http://www.searchanddiscovery.com/pdfz/documents/2013/80341thul/ndx_thul.pdf.html>

Thyne, G., and P. Brady, 2016, Evaluation of formation water chemistry and scale prediction: Bakken Shale: Applied Geochemistry, v. 75, p. 107-113.

Tinnin, B.M., and S.T.R. Darmaoen, 2016, Chemostratigraphic variability of the Eagle Ford Shale, south Texas: Insights into paleoredox and sedimentary facies changes, in J.A. Breyer, ed., The Eagle Ford Shale: A renaissance in U.S. oil production: AAPG Memoir 110, p. 259-283.

Toon, S., 2010, Flight to shale oil: Oil and Gas Investor, v. 30, no. 5, p. 98.

Toon, S., 2011, Eagle Ford rising: Oil and Gas Investor, v. 31, no. 2, p. 46-59.

Toon, S., 2011, Permian’s Bone Spring: Oil and Gas Investor, v. 31, no. 3, p. 46-58. (Avalon Shale)

Toon, S., 2011, South Texas freebird: Oil and Gas Investor, v. 31, no. 6, p.65-68. (Eagle Ford)

Toon, S., 2011, Eagle Ford data points: Oil and Gas Investor, v. 31, no. 7, p. 69-72.

Toon, S., 2011, Next steps in shale M&A: Oil and Gas Investor, v. 31, no. 9, p. 52-64.

Toon, S., 2012, Boom days in the Eagle Ford: Oil and Gas Investor, v. 32, no. 2, p. 44-57.

Toon, S., 2012, Horizontal Wolfcamp: Oil and Gas Investor, v. 32, no. 4, p. 58-71.

Toon, S., 2012, Liquids not-so-rich?: Oil and Gas Investor, v. 32, no. 8, p. 11.

Toon, S., 2012, Extending the Utica: Oil and Gas Investor, v. 32, no. 11, p. 46-60.

Toon, S., 2013, East Texas’ Woodbine-Eagle Ford: Oil and Gas Investor, v. 33, no. 6, p. 42-55.

Toon, S., 2013, Shale oil tipping point: Oil and Gas Investor, v. 33, no. 7, p. 108.

Toon, S., 2013, At the heart of Oklahoma: Oil and Gas Investor, v. 33, no. 10, p. 40-51.

Toon, S., 2014, Big deals in the Eagle Ford: Oil and Gas Investor, v 34, no. 8, p. 48-59.

Toon, S., 2014, High Plains oil: Oil and Gas Investor, v. 34, no. 11, p. 48-61.

Toon, S., 2015, A double SCOOP: Oil and Gas Investor, v. 35, no. 6, p. 55-57.

Toon, S., 2015, Optimizing the Eagle Ford: Oil and Gas Investor, v. 35, no. 9, p. 42-54.

Toon, S., 2016, The Eagle Ford’s science lab: Oil and Gas Investor, v. 36, no. 7, p. 32-43.

Toon, S., 2017, Stacked and merged: Oil and Gas Investor, v. 37, no. 6, p. 68-69. (SCOOP/STACK)

Torkelson, D., 2010, Balance sheet benefits from liquids output link Eagle Ford, Bakken shales: American Oil & Gas Reporter, v. 53, no. 2, p. 39-53.

Trainor, K., M. Vincent, and R. Finch, 2019, ‘Engineered completions’ key to economic development of previously marginal Elkhorn field: American Oil & Gas Reporter, v. 62, no. 3, p. 38-47. (Bakken)

Tran, T., P. Sinurat, and R.A. Wattenbarger, 2012, Study analyzes Bakken characteristics: American Oil & Gas Reporter, v. 55, no. 2, p. 118-123.

Treadgold, G., B. McLain, S. Sinclair, and D. Nicklin, 2010, Seismic reveals Eagle Ford rock properties: Hart Energy Publishing, E&P, v. 83, no. 9, p. 47-49.

True, W.R., and A. Menger, 2012, Wet gas plays, basins power Lower 48 plant, fractionator surge: Oil & Gas Journal, v. 110.5, p. 88-102. (new pipelines and gas plants)

Tully, B.K., 2011, Shale shift: Oil and Gas Investor, v. 31, no. 4, p. 91-92.

Urbancic, T., and K. Mountjoy, 2011, Microseismic monitoring increases efficiency and performance in liquids-rich plays: American Oil & Gas Reporter, v. 54, no. 9, p. 130-137.

USGS National Assessment of Oil and Gas Resources Team and L.R.H. Biewick, 2015, Map of assessed continuous (unconventional) oil resources in the United States, 2014: U.S. Geological Survey Digital Data Series 69-JJ, 14 p. <http://pubs.usgs.gov/dds/dds-069/dds-069-jj/>

USGS U.S. Continuous Resources Assessment Team, 2015, U.S. Geological Survey assessments of continuous (unconventional) oil and gas resources, 2000-2011: U.S. Geological Survey Data Series 69-MM, 46 p. <http://pubs.er.usgs.gov/publication/ds69MM>

USGS Mexico Assessment Team, 2015, Geology and assessment of unconventional oil and gas resources of northeastern Mexico: U.S. Geological Survey Open-File Report 2015-1112. <http://pubs.usgs.gov/of/2015/1112/>

Van de Wetering, N., H. Sanei, and B. Mayer, 2016, Organic matter characterization in mixed hydrocarbon producing areas within the Duvernay Formation, Western Canada Sedimentary Basin, Alberta: International Journal of Coal Geology, v. 156, p. 1-11.

Vanden Berg, M., 2013, Liquid-rich shale potential of the Uinta and Paradox basins: Utah Geological Survey, Survey Notes, v. 45, no. 2, p. 6-7.

Veiga, R., and F. Dzelalija, 2014, A regional overview of the La Luna Formation and the Villeta Group as shale gas/shale oil in the Catatumbo, Magdalena Valley and eastern Cordillera regions, Colombia: AAPG Search and Discovery Article 10565, 21 slides. <http://www.searchanddiscovery.com/documents/2014/10565veiga/ndx_veiga.pdf>

Vincent, M., 2012, Field results offer insights to optimizing transverse fractures in liquids-rich resource plays: American Oil & Gas Reporter, v. 55, no. 3, p. 50-63.

Vincent, M.C., and M.R. Besler, 2013, Emerging best practices ensure fracture effectiveness over time in resource plays: American Oil & Gas Reporter, v. 56, no. 12, p. 60-71.

Wachtmeister, H., L. Lund, K. Aleklett, and M. Hőők, 2017, Production decline curves of tight oil wells in Eagle Ford Shale: Natural Resources Research, v. 26, p. 365-377.

Walker, L.S., and K.J. Patton, 2016, Multivariable Eagle Ford study pinpoints keys to success in drilling ‘one-run” wells: American Oil & Gas Reporter, v. 59, no. 4, p. 60-65.

Walker, W.B., 2006, Elm Coulee oil field, Richland County, Montana: 14th Williston Basin Petroleum Conference and Prospect Expo, Minot, ND. <https://www.dmr.nd.gov/ndgs/wbpc/pdf/Bill_WALKER.pdf>

Walls, J., and S. Sinclair, 2011, Digital rock physics provide critical insights to characterize Eagle Ford: American Oil & Gas Reporter,v. 54, no. 2, p. 82-86, 133.

Walls, J.D., 2014, Reservoir characterization uses digital rock physics: Hart Energy Publishing, E&P, v. 87, no. 8, p. 68-70. (Wolfcamp Formation)

Walzel, B., 2018, Bakken making its push: Hart Energy Publishing, E&P, v. 91, no. 5, p. 102-104.

Wang, D., 2015, Surfactants may boost Bakken output: American Oil & Gas Reporter, v. 58, no. 2, p. 88-91.

Wang, H., W. Zhao, Y. Cai, X. Wang, Y. Je, J. Su, K. He, W. Zhang, L. Huang, and S. Zhang, 2020, Oil generation from the immature organic matter after artificial neutron irradiation: Energy & Fuels, v. 34, p. 1276-1287.

Wang, L., Y. Tian, X. Yu, C. Wang, B. Yao, S. Wang, P.H. Winterfeld, X. Wang, Z. Yang, Y. Wang, J. Cui, and Y.-S. Wu, 2017, Advances in improved/enhanced oil recovery technologies for tight and shale reservoirs: Fuel, v. 210, p. 425-445. (IOR/EOR)

Wang, M., R.W.T. Wilkins, G. Song, L. Zhang, X. Xu, Z. Li, and G. Chen, 2015, Geochemical and geological characteristics of the Es3L lacustrine shale in the Bonan sag, Bohai Bay Basin, China: International Journal of Coal Geology, v. 138, p. 16-29.

Wang, M., N. Sherwood, Z. Li, S. Lu, W. Wang, A. Huang, J. Peng, and K. Lu, 2015, Shale oil occurring between salt intervals in the Dongpu Depression, Bohai Bay Basin, China: International Journal of Coal Geology, v. 152, p. 100-112.

Wang, P., Z. Chen, Z. Jin, C. Jiang, M. Sun, Y. Guo, X. Chen, and Z. Jia, 2018, Shale oil and gas resources in organic pores of the Devonian Duvernay Shale, Western Canada Sedimentary Basin based on petroleum system modeling: Journal of Natural Gas Science and Engineering, v. 50, p. 33-42.

Wang, Q., D. Cui, S. Pan, Z. Wang, Q. Lu, and B. Liu, 2018, Compositional characterization of neutral fractions in <300°C distillates of six shale oils using extrography followed by GC-TOF/MS analysis: Fuel, v. 224, p. 610-618.

Wang, S., Q. Feng, F. Javadpour, T. Xia, and Z. Li, 2015, Oil adsorption in shale nanopores and its effect on recoverable oil-in-place: International Journal of Coal Geology, v. 147-148, p. 9-24.

Wang, S., F. Javadpour, and Q. Feng, 2016, Molecular dynamics simulations of oil transport through inorganic nanopores in shale: Fuel, v. 171, p. 74-86.

Wang, T., and R.P. Philp, 2019, Oil families and inferred source rocks of the Woodford-Mississippian tight oil play in northcentral Oklahoma: AAPG Bulletin, v. 103, p. 871-903.

Wang, X., X. Peng, S. Zhang, Z. Du, and F. Zeng, 2018, Characteristics of oil distributions in forced and spontaneous imbibition of tight oil reservoir: Fuel, v. 224, p. 280-288.

Wang, Y., J. Cao, K. Tao, E. Li, C. Ma, and C. Shi, 2020, Reevaluating the source and accumulation of tight oil in the middle Permian Lucaogou Formation of the Junggar Basin, China: Marine and Petroleum Geology, v. 117, 104384. (lacustrine)

Warren, M., 2012, Comparing the Utica, Eagle Ford: Oil and Gas Investor, v. 32, no. 3, p. 21.

Warren, M., 2012, Plentiful Panhandle plays: Houston, Hart Energy Publishing, Panhandle Plays, the playbook, p. 74-78.

Weeden, S., 2012, Utica oozes oil with production slowly ramping up: Hart Energy Publishing, E&P, v. 85, no. 9, p. 90-99.

Weeden, S., 2013, Oklahoma reverses 25-year decline in oil production: Hart Energy Publishing, E&P, v. 86, no. 1, p. 78-81.

Weeden, S., 2013, Eagle Ford oil production tops 535,000 b/d in five years: Hart Energy Publishing, E&P, v. 86, no. 9, p. 118-131.

Weeden, S., 2015, TMS faces uphill battle with low oil prices: Hart Energy Publishing, E&P, v. 88, no. 4, p.105-106. (Tuscaloosa Marine Shale)

Whidden, K.J., J.K. Pitman, O.N. Pearson, S.T. Paxton, S.A. Kinney, N.J. Gianoutsos, C.J. Schenk, H.M. Leathers-Miller, J.E. Birdwell, M.E. Brownfield, L.A. Burke, R.F. Dubiel, K.L. French, S.B. Gaswirth, S.S. Haines, P.A. Le, K.R. Marra, T.J. Mercier, M.E. Tennyson, and C.A. Woodall, 2018, Assessment of undiscovered oil and gas resources in the Eagle Ford Group and associated Cenomanian–Turonian strata, U.S. Gulf Coast, Texas, 2018: U.S. Geological Survey, Fact Sheet 2018-3033, 4 p. <https://pubs.er.usgs.gov/publication/fs20183033>

Whiteside, R., D.A. Livingston, C. Small, R. Flores, N. Diaz, and A.El Kamel, 2014, HBR RSS solves Eagle Ford challenge: American Oil & Gas Reporter, v. 57, no. 8, p. 74-81. (high-build rate, rotary steerable system)

Williams, P., 2007, Bakken billions: Oil and Gas Investor, v. 27, no. 2, p. 85.

Williams, P., 2008, The Bakken: Oil and Gas Investor, v. 28, no. 8, p. 66-81 (reprinted in Oil and Gas Investor Supplement, “Bakken Shale Play Book”, p. 2-14.)

Williams, P., 2008, Tuscaloosa marine shale: Oil and Gas Investor, v. 28, no. 10, p. 119.

Williams, P., 2008, Canadian Bakken: Oil and Gas Investor, v. 28, no. 11, p. (reprinted in Oil and Gas Investor Supplement, “Bakken Shale Play Book”, p. 16-20.)

Williams, P., 2008, Bakken Shale: defined and described: Oil and Gas Investor Supplement, “Bakken Shale Play Book”, p. 22-26.

Williams, P., 2008, Bakken Shale: hefty potential: Oil and Gas Investor Supplement, “Bakken Shale Play Book”, p. 96-100.

Williams, P., 2009, Retrenching and rethinking: Vision 2009 Global Energy Outlook, supplement to Oil and Gas Investor, January 2009, p. 69-74.

Williams, P., 2010, Oil-prone shales: Oil and Gas Investor, v. 30, no. 1, p. 56-66.

Williams, P., 2010, Eagle Ford: Oil and Gas Investor, v. 30, no. 3, p. 43-52.

Williams, P., 2010, Eagle Ford: Houston, TX, Hart Energy Publishing, Eagle Ford Playbook, p. 4-11.

Williams, P., 2010, Fly like an Eagle Ford: Houston, TX, Hart Energy Publishing, Eagle Ford Playbook, p. 12-16.

Williams, P., 2010, Marvelous Monterey: Oil and Gas Investor, v. 30, no. 7, p. 73.

Williams, P., 2010, The Niobrara: Oil and Gas Investor, v. 30, no. 8, p. 50-64.

Williams, P., 2010, Westward ho: the Alberta Basin Bakken: Oil and Gas Investor, v. 30, no. 9, p. 101.

Williams, P., 2011, Say hello to the Heath: Oil and Gas Investor, v. 31, no. 8, p. 117.

Williams, P., 2011, Eagle Ford garners unanimous praise: Oil and Gas Investor, v. 31, no. 9, p. 101.

Williams, P., and D. Lyle, 2011, Bring in the rigs, in J.E. Estes-Jackson and D.S. Anderson, eds., Revisiting and revitalizing the Niobrara in the central Rockies: Denver, Rocky Mountain Association of Geologists, p. 33-40.

Williams, P., 2012, Utica NGL window works well: Midstream Business, v. 3, no. 1, p. 30-32.

Williams, P., 2012, The Uteland Butte: Oil and Gas Investor, v. 32, no. 2, p. 85.

Williams, P., 2012, The juicy Duvernay: Oil and Gas Investor, v. 32, no. 3, p. 87.

Williams, P., 2012, Cardium full circle: Oil and Gas Investor, v. 32, no. 5, p. 93.

Wilson, R.D., J. Chitale, K. Huffman, P. Montgomery, and S.J. Prochnow, 2020, Evaluating the depositional environment, lithofacies variation, and diagenetic processes of the Wolfcamp B and lower Spraberry intervals in the Midland Basin: Implications for reservoir quality and distribution: AAPG Bulletin, v. 104, p. 1287-1321.

Winters, G., 2013, Geophysics optimize performance of tight oil resource plays: American Oil & Gas Reporter, v. 56, no. 1, p. 82-93.

Wood Mackenzie, 2017, Eagle Ford close-up: Hart Energy Publishing, E&P, v. 90, no. 3, p. 86-88.

Wood, J.M., H. Sanei, O. Haeri-Ardakani, M.E. Curtis, and T. Akai, 2018, Organic petrography and scanning electron microscopy imaging of a thermal maturity series from the Montney tight-gas and hydrocarbon liquids fairway: Bulletin of Canadian Petroleum Geology, v. 66, no. 2, p. 499-515.

Wright, C., M. Pearson, L. Griffin, L. Weijers, and B. Weaver, 2013, Two Cs drive Bakken well performance: American Oil & Gas Reporter, v. 56, no. 1, p. 51-59. (contact and conductivity)

Wright, M.C., R.W. Court, F.-C.A. Kafantaris, F. Spathopoulos, and M.A. Sephton, 2015, A new rapid method for shale oil and shale gas assessment: Fuel, v. 153, p. 231-239. (pyrolysis-FTIR)

Wu, L., A. Geng, and P. Wang, 2018, Oil expulsion in marine shale and its influence on the evolution of nanopores during semi-closed pyrolysis: International Journal of Coal Geology, v. 191, p. 125-134.

Xie, X., M. Li, R. Littke, Z. Huang, X. Ma, Q. Jiang, and L.R. Snowdon, 2016, Petrographic and geochemical characterization of microfacies in a lacustrine shale oil system in the Dongying Sag, Jiyang Depression, Bohai Bay Basin, eastern China: International Journal of Coal Geology, v. 165, p. 49-63.

Xie, X., B.M. Krooss, R. Littke, A. Amann-Hildebrand, M. Li, Z. Li, and L.R. Snowdon, and D. Mohnhoff, 2019, Accessibility and mobility of hydrocarbons in lacustrine shale: Solvent flow-through extraction experiments on Eocene oil shales from Bohai Bay Basin, eastern China: Organic Geochemistry, v. 127, p. 23-36.

Xie, X., A. Amann-Hildenbrand, R. Littke, R.M. Krooss, M. Li, Z. Li, and Z. Huang, 2019, The influence of partial hydrocarbon saturation on porosity and permeability in a Palaeogene lacustrine shale-hosted oil system of the Bohai Bay Basin, eastern China: International Journal of Coal Geology, v. 207, p. 26-38.

Xifeng, H., Z. Cunwang, P. Panka, L.P. Wu, and T. Judd, 2016, Integrated workflow optimizes completion, boosts production in Chinese tight oil well: World Oil, v. 237, no. 1, p. 55-58.

Yang, S., K. Wu, J. Xu, J. Li, and Z. Chen, 2019, Roles of multicomponent adsorption and geomechanics in the development of an Eagle Ford shale condensate reservoir: Fuel, v. 242, p. 710-718.

Yang, Y., and M.D. Zoback, 2014, The role of preexisting fractures and faults during multistage hydraulic fracturing in the Bakken Formation: Interpretation, v. 2, no. 3, p. SG25-SG39.

Yang, Z., C. Zou, L. Hou, S. Wu, S. Lin, X. Luo, L. Zhang, Z. Zhao, J. Cui, and S. Pan, 2019, Division of fine-grained rocks and selection of “sweet sections” in the oldest continental shale in China: Taking the coexisting combination of tight and shale oil in the Permian Junggar Basin: Marine and Petroleum Geology, v. 109, p. 339-348.

Yokoi, S., A. Waseda, and T. Tsuji, 2012, Shale oil potential in Neogene siliceous shales of Japan: AAPG Search and Discovery Article #80256, 9 p. <http://www.searchanddiscovery.com/documents/2012/80256yokoi/ndx_yokoi.pdf>

Yu, W., H.R. Lashgari, K. Wu, and K. Sepehrnoori, 2015, CO2 injection for enhanced oil recovery in Bakken tight oil reservoirs: Fuel, v. 159, p. 354-363.

Yu, Y., X. Luo, M. Cheng, Y. Lei, X. Wang, L. Zhang, C. Jiang, and L. Zhang, 2017, Study on the distribution of extractable organic matter in pores of lacustrine shale: An example of Zhangjiatan Shale from the Upper Triassic Yanchang Formation, Ordos Basin, China: Interpretation, v. 5, p. SF109-SF126.

Zagorski, B., 2015, Marcellus Shale – Geologic considerations for an evolving North American liquids-rich play: AAPG Search and Discovery Article #110183, 31 p. <http://www.searchanddiscovery.com/pdfz/documents/2015/110183zagorski/ndx_zagorski.pdf.html>

Zagorski, W.A., and T.G. McClain, 2017, Discovery of the Utica Shale: Update on an evolving giant: AAPG Search and Discovery Article #10965, 30 p.

Zander, D., M. Czehura, D.J. Snyder, and R. Seale, 2011, Study evaluates Bakken completions: American Oil & Gas Reporter,v. 54, no. 2, p. 98-103.

Zanganeh, B., M. Ahmadi, C. Hanks, and O. Awoleke, 2015, The role of hydraulic fracture geometry and conductivity profile, unpropped zone conductivity and fracturing fluid flowback on production performance of shale oil wells: Journal of Unconventional Oil and Gas Resources, v. 9, p. 103-113.

Zargari, S., K.L. Canter, and M. Prasad, 2015, Porosity evolution in oil-prone source rocks: Fuel, v. 153, p. 110-117.

Zeng, L., Y. Chen, M.M. Hossain, A. Saeedi, and Q. Xie, 2019, Wettability alteration induced water uptake in shale oil reservoirs: A geochemical interpretation for oil-brine-OM interaction during hydraulic fracturing: International Journal of Coal Geology, v. 213, 103277.

Zeng, Z., and A. Jiang, 2010, Geomechanics key in Bakken success: American Oil & Gas Reporter, v. 53, no. 4, p. 123-127.

Zhang, L., and L.A. Buatois, 2016, Sedimentology, ichnology and sequence stratigraphy of the Upper Devonian–Lower Mississippian Bakken Formation in eastern Saskatchewan: Bulletin of Canadian Petroleum Geology, v. 64, p. 415-437.

Zhang, L., Z. Chen, Z. Li, S. Zhang, J. Li, Q. Liu, R. Zhu, J. Zhang, and Y. Bao, 2019, Structural features and genesis of microscopic pores in lacustrine shale in an oil window: A case study of the Dongying depression: AAPG Bulletin, v. 103, p. 1889-1924.

Zhang, M., and Z. Li, 2017, Thermal maturity of the Permian Lucaogou Formation organic-rich shale at the northern foot of Bogda Mountains, Junggar Basin (NW China): Effective assessments from organic geochemistry: Fuel, v. 211, p. 278-290.

Zhang, P., S. Lu, and J. Li, 2019, Characterization of pore size distributions of shale oil reservoirs: A case study from Dongying sag, Bohai Bay Basin, China: Marine and Petroleum Geology, v. 100, p. 297-308.

Zhang, S., C. Liu, H. Liang, J. Wang, J. Bai, M. Yang, G. Liu, H. Huang, and Y. Guan, 2018, Paleoenvironmental conditions, organic matter accumulation, and unconventional hydrocarbon potential for the Permian Lucaogou Formation organic-rich rocks in Santanghu Basin, NW China: International Journal of Coal Geology, v. 185, p. 44-60.

Zhang, S., Y. Cao, K. Liu, J. Jahren, K. Xi, R. Zhu, T. Yang, X. Cao, and W. Wang, 2019, Characterization of lacustrine mixed fine-grained sedimentary rocks using coupled chemostratigraphic-petrographic analysis: A case study from a tight oil reservoir in the Jimusar Sag, Junggar Basin: Marine and Petroleum Geology, v. 99, p. 453-472.

Zhang, S., H. Liu, Y. Liu, Y. Wang, M. Wang, Y. Bao, Q. Hu, Z. Li, S. Zhang, S. Yao, Y. Wang, W. Xiong, P. Liu, and Z. Fang, 2020, Main controls and geological sweet spot types in Paleogene shale oil rich areas of the Jiyang Depression, Bohai Bay Basin, China: Marine and Petroleum Geology, v. 111, p. 576-587.

Zhang, T., X. Li, Y. Yin, M. He, Q. Liu, L. Huang, and J. Shi, 2019, The transport behaviors of oil in nanopores and nanoporous media of shale: Fuel, v. 242, p. 305-315.

Zhang, T., S. Hu, Q. Bu, B. Bai, S. Tao, Y. Chen, Z. Pan, S. Lin, Z. Pang, W. Xu, M. Yuan, J. Fan, Y. Sun, and X. Feng, 2021, Effects of lacustrine depositional sequences on organic matter enrichment in the Chang 7 shale, Ordos Basin, China: Marine and Petroleum Geology, v. 124, 104778.

Zhang, Y., T.J. Barber, Q. Hu, M. Bleuel, and H.F. El-Sobky, 2019, Complementary neutron scattering, mercury intrusion and SEM imaging approaches to micro- and nano-pore structure characterization of tight rocks: A case study of the Bakken shale: International Journal of Coal Geology, v. 212, 103252.

Zhao, H., C. Liu, T.E. Larson, G.P. McGovern, and J. Horita, 2020, Bulk and position-specific isotope geochemistry of natural gases from the Late Cretaceous Eagle Ford Shale, south Texas: Marine and Petroleum Geology, v. 122, 104659.

Zhao, P., Z. Wang, Z. Sun, J. Cai, and L. Wang, 2017, Investigation on the pore structure and multifractal characteristics of tight oil reservoirs using NMR measurements: Permian Lucaogou Formation in Jimusaer Sag, Junggar Basin: Marine and Petroleum Geology, v. 86, p. 1067-1081.

Zhao, X., L. Zhou, X. Pu, W. Han, F. Jin, D. Xiao, Z. Shi, Y. Deng, W. Zhang, and W. Jiang, 2019, Exploration breakthroughs and geological characteristics of continental shale oil: A case study of the Kongdian Formation in the Cangdong Sag, China: Marine and Petroleum Geology, v. 102, p. 544-556.

Zhao, Z., R. Littke, L. Zieger, D. Hou, and F. Froidl, 2020, Depositional environment, thermal maturity and shale oil potential of the Cretaceous Qingshankou Formation in the eastern Changling Sag, Songliao Basin, China: An integrated organic and inorganic geochemistry approach: International Journal of Coal Geology, v. 232, 103621.

Zhi, Y.A.N.G., Z.O.U. Caineng, W.U. Songtao, L.I.N. Senhu, P.A.N. Songqi, N.I.U. Xiabing, M. Guangtian, T.A.N.G. Zhenxing, L.I. Guohui, Z.H.A.O. Jiahong, and J.I.A. Xiyu, 2019, Formation, distribution and resource potential of the “sweet area (sections)” of continental shale oil in China: Marine and Petroleum Geology, v. 102, p. 48-60.

Zhou, B., 2018, The applications of NMR Relaxometry, NMR Cryoporometry, and FFC NMR to nanoporous structures and dynamics in shale at low magnetic fields: Energy & Fuels, v. 32, p. 8897-8904.

Zhou, P., H. Sang, L. Jin, and W.J. Lee, 2017, Application of statistical methods to predict production from liquid-rich shale reservoirs: Unconventional Resources Technology Conference, URTeC 2694668, 19 p. <http://archives.datapages.com/data/urtec/2017/2694668.html>

Zhu, C., Y. Li, Q. Zhao, H. Gong, Q. Sang, H. Zou, and M. Dong, 2018, Experimental study and simulation of CO2 transfer processes in shale oil reservoir: International Journal of Coal Geology, v. 191, p.24-36.

Zhu, C., J.J. Sheng, A. Ettehadtavakkol, Y. Li, and M. Dong, 2020, Numerical and experimental study of oil transfer in laminated shale: International Journal of Coal Geology, v. 117, 103365.

Zhu, J., 2020, Integrated reservoir characterization of a Utica Shale with focus on sweet spot discrimination: Interpretation, v. 8, no. 3, p. SM1-SM14.

Zink, K.-G., G. Scheeder, H.L. Stueck, S. Biermann, and M. Blumenberg, 2016, Total shale oil inventory from an extended Rock-Eval approach on non-extracted and extracted source rocks from Germany: International Journal of Coal Geology, v. 163, p. 186-194.

Zoback, M.D., and A.H. Kohli, 2019, Unconventional reservoir geomechanics: shale gas, tight oil, and induced seismicity: Cambridge University Press, 484 p.

Zou, C., S. Wu, Z. Yang, R.K. Zhu, S.Z. Tao, and X.F. Zhai, 2013, Preliminary research on reservoir potential of terrestrial shale in China: AAPG Search and Discovery Article #30283, 23 p. <http://www.searchanddiscovery.com/documents/2013/30283zou/ndx_zou.pdf>

Zou, C., and others, 2017, Shale oil and gas, in Unconventional petroleum geology, second edition: Elsevier, p. 275-321.

Zou, C., S. Pan, B. Horsfield, Z. Yang, S. Hao, E. Liu, and L. Zhang, 2019, Oil retention and intrasource migration in the organic-rich lacustrine Chang 7 shale of the Upper Triassic Yanchang Formation, Ordos Basin, central China: AAPG Bulletin, v. 103, p. 2627-2663.

Zumberge, J., H. Illich, and L. Waite, 2016, Petroleum geochemistry of the Cenomanian-Turonian Eagle Ford oils of south Texas, in J.A. Breyer, ed., The Eagle Ford Shale: A renaissance in U.S. oil production: AAPG Memoir 110, p. 135-165.