

PH.D. Geology | University of Kentucky | 12/2007
BP Petrophysics Accelerated Development Program 2011-2012
M.S. Geology | University of Louisiana – Monroe | 5/2001
B.A. Geology | University of Montana | 5/1999

DONALD MATTHEW SURLS, PH.D.
Petrophysics / Geology

Skills & Abilities

- Open hole logging program design, execution, and evaluation. Experienced with wireline and MWD/LWD, porosity and Sw calculation, lithology determination, etc.
- Production logging program design and evaluation, including array tools
- Pulsed neutron program design and evaluation, including next-get multi-detector tools
- Cement bond log program design and analysis. Experienced with low/medium frequency tools and ultrasonic scanning-type tools. Trained in BP's GP 10-60 cement evaluation requirements.
- Other cased hole tools: leak detection, fiber optics, etc.

PROFESSIONAL EXPERIENCE

WELLSITE GEOLOGIST / HILCORP/PRA | 1/2022 – Present

- Provide wellsite geology services for coil tubing drilling program at Milne Point Unit, North Slope, Alaska.
- Conduct geologic aspects of directional drilling including interaction between wellsite and in town personnel.
- Provide geologic input, as needed, to Company Man and/or directional contractor as to the geologic conditions expected and/or encountered during drilling.
- Conduct daily communication to the ConocoPhillips project geoscientist and act as liaison between Anchorage project geoscientist and Company Man.
- Witness, supervise and QC routine logging operations of LWD interval.
- Prepare post-well summaries

PETROPHYSICIST | BP ALASKA/AIRSWIFT | 1/2020-5/2020

- Provide both open- and cased-hole petrophysical support for mature oil field. New well delivery responsibilities include drilling operations support and prospect generation. Base management support includes saturation monitoring and rate-adding perforation decisions, water/gas shutoffs, and well integrity.

WELLSITE GEOLOGIST | BP ALASKA/AIRSWIFT | 8/2019-1/2020

- Contracted to provide wellsite subsurface support for drilling and logging activities at BP's Prudhoe Bay field.

INTERPRETATION & EVALUATION SERVICES MANAGER | WEATHERFORD | 3/2019-8/2019

- Managed a team of 10 petrophysicists and analysts providing log interpretation and evaluation services to several international and state-owned operating companies.

PETROPHYSICIST | BP ALASKA | 2/2014-6/2016

- Provided cased- and open-hole support for mature oil field. Responsibilities included: new well delivery, base management, and reservoir description. Skills utilized include: interpretation of LWD/open hole data, production logs, cement bond logs, and pulsed neutron logs; petrophysical input into geosteering decisions; prospect generation and target identification.

PETROPHYSICIST | BP AMERICA | 1/2011-2/2014

- Cased hole logging (pulsed neutron, production logging, cement evaluation, casing integrity, etc.) for BP Lower 48 unconventional assets; log interpretation and QC of production, neutron, and cement bond logs; facilitated tool trials and QC of results. Oversaw open- & cased-hole program design and execution.

GEOLOGIST | BP AMERICA | 10/2007-1/2011

- Planned & executed 200+ wells in unconventional tight gas field; modeling of target area; 24/7 geologic support and monitoring of drilling operations and input into drilling program; developed logging programs; partner interactions. Additional short rotation in exploration geology: 2D/3D (wide and narrow azimuth) seismic interpretation, prospect generation, play fairway analysis, farm-in evaluation.

Other Experience:

EXPLORATION/CORE LOGGING GEOLOGIST | KINROSS GOLD/HR ADVANTAGES | 2/2021-7/2021

- Describe/analyze core and chips and provide on-site geologic support for a gold exploration and appraisal project in rural Alaska.

MATERIAL HANDLER | FEDEX EXPRESS | 9/2020-2/2021

Responsible for loading and unloading of cargo into containers and aircraft. Safe and efficient operation of heavy ground equipment, including tugs and aircraft loaders.

Selected Publications

- Zett, A., Webster, M., Spain, D., Surles, D., and Colbert, C., 2012, Application of new generation multi-detector pulsed neutron technology in petrophysical surveillance: Society of Petrophysicists and Well-Log Analysts 53rd Annual Logging Symposium.
- Surles, M., and Thomas, W.A., 2004, Orthogonal basement fault systems and diachronous Ouachita-Appalachian thrusting around the Black Warrior basin, Alabama and Mississippi: Geological Society of America Abstracts with Programs, v. 36, no. 5, p. 504.
- Surles, M., and Thomas, W.A., 2005, Cambrian-Early Mississippian passive margin of southern Laurentia: Geological Society of America Abstracts with Programs, v. 37, no. 7, p. 143.