

# PDP: Brian Morel



## Personal Data

**Job Title:** Drilling Engineer  
**Date into current job:** June 16th, 2008  
**Level & date into level:** 1 / June 15<sup>th</sup>, 2008  
**Team Leader:** David Sims  
**Stream/BU/Function:** Upstream/Deepwater GoM  
**Team/Work Group:** GoMX  
**Location:** Houston  
**Date PDP Agreed:** xx/xx/2010

## Employment History

- GoMX Drilling Engineer: June '08 – Present (David Sims)
- Mad Dog Drilling Eng: Jan '07 - June-'08 (Glenn Fritchie)
- Anadarko Drilling Eng: March '06 - Jan '07 (Doug Vorpahl)
- Anadarko WSL: Aug '05 - March '06 (Floyd Hernandez)

## Education / Training Completed

- Mechanical Engineering, Rice University, (2005)
- Drilling Practices, DTA (2005)
- Drilling Engineering/Well Planning, DTA (2005)
- Well Control (2005) (2008)
- Managing Hole Problems, DTA (2006)
- Casing Design, DTA (2006)
- Directional/ERD, DTA (2007)
- Drill String Design, DTA (2007)
- Well Productivity Awareness (2008)
- Intro to HPHT (2009)

## Personal Preferences / Limitations

- Office based position / non rotational
- Limited to position for myself and wife (Prod Eng @ BP)
- Overseas position in next assignment or the assignment following that one (not in Africa – except Egypt, prefer water based environment at this point)

## My Personal Development Goals:

### Short Term (0-2 years)

- Lead engineer GoM E&A
- Ops Engineer / Increased Responsibility

### Mid Term (3-6 years)

- Senior DW drilling engineer (GoM or Overseas)
- Develop/refine D&C, leadership, and communication skills.
- 1<sup>st</sup> level leadership position (operations DE or similar)

### Long Term (6-10 years)

- Wells Team Leader / Engineering Team lead
- Ultimate goal (10+ yrs): Wells Director / VP D&C

## Current Competencies, Skills, Knowledge, Experience

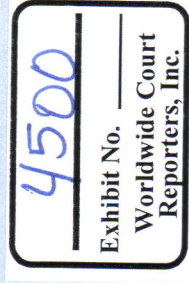
- Deepwater drilling experience (planning / operations) on Mad Dog Spar, Horizon, and Marianas. Worked on teams which have set a deepwater step-out record and depth record, completed the 1<sup>st</sup> successful 36" jetting from a spar, planned top 10 well/sidetrack, as well being exposed to shipyard projects / rig damage.
- Consistently seeks knowledge from EPT, peers, and other technical authorities on wellbore stability/cement/casing/drill string design to further develop competencies and increase drilling performance
- Searches for ideas to reduce costs / increase operations efficiency; through engineering, reduced complexity, and logistics.
- Critical problem solver, thriving with heavy workload
- Skilled with many of software programs available to drilling engineers and digital technology
- Developing and refining skills to effectively lead BP's HSE agenda.
- Seeks opportunities to help peers, develop young engineers and interns, share lessons learned / successes, and develop skills outside discipline

## Development Needs for Current Job and Future Goals

- Increase engineering and operations drilling competencies
- Casing design (APB mitigation calculations / software)
- Geological / Pore pressure understanding
- Increase knowledge / experience of Beyond the Best
- Safety involvement and understanding
- Leadership and communications skills
- Broaden exposure and influence beyond E&A drilling

## Development Action Plan

- Plan wells, rig exposure, use DE software, engage tech authorities, HPHT ADP, and test knowledge through young eng. development.
- Complete advanced casing designs and use EPT to answer questions / check work
- Take BP in house PP/FG class and attend geologic field trip
- Work with BIB coordinator and more experienced engineers to increase understanding.
- IM training and field Incident training / junior investigation team member
- Oversee / mentor challenger and intern, take 7 habits of highly effective people training
- Participated on D&C Zoomerang survey team, directional survey manager for E&A, helped develop one-pager template and excel program for consistency, HPHT ADP, attended D&C conference, looking to take part in recruiting process



Updated (2/2/10)

BP-H2N-2179MDC01301093





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Team/Work Group: GoMX  
Location: Houston  
Date PDP Agreed: 6/24/08

### My Personal Development Goals:

#### Short Term (0-2 years)

Current Role:  
• Continue to gain drilling experience both planning and operationally.  
• Take on projects/position to aid in overall understanding of BP as a whole.  
• Gain more subsurface understanding  
• Mentor challenger / Interns  
• Stay in Deepwater drilling / GoMX

#### Mid Term (3-6 years)

• Overseas assignment in safe location  
• Develop/define leadership and communication skills.  
• Continue to develop D&C skills  
• Project management/leadership position over new deepwater drilling rig/spar  
• Deepwater based position  
• Ops DE

#### Long Term (6-10 years)

• Leadership position - large scale project/people.  
• Deepwater based position

### Employment History

• Drilling Engineer, BP  
• Anadarko Drilling Team: Aug '05 - Jan '07 (Doug Verpeht)  
• Mad Wolf Drilling Team: Jan '07 - June '08 (Steven Fitchie)  
• GoMX Drilling Team: June '08 - Present (David Sims)

### Current Competencies, Skills, Knowledge, Experience

• Basic foundation in drilling operations.  
• Basic foundation in HSE and IIP.  
• Basic foundation in Well Planning.  
• Skillful Partnership/Innovation/Make Decisions/Teamwork  
• Skillful Interpersonal/Digital (time, excel, word etc...)  
• Awareness Completions/Production/Geology

### Education / Training Completed

• Mechanical Engineering, Rice University (2005)  
• Introduction to Drilling, DTA (2008)  
• Drilling Operations, LIA (2002)  
• Drilling Engineering/Well Planning, DTA (2005)  
• Well Control (2005) (2008)  
• Cementing, DTA (2008)  
• Basic Fluids, DTA (2005)  
• DNEOP (2005)  
• Managing Hole Problems, DTA (2008)  
• Casing Design, DTA (2008)  
• Directional Drilling, DTA (2007)  
• Drill String Design, DTA (2007)  
• Well Log Interpretation (2007)  
• Knowledge Management (2007)

• SCM Explorer (2007)  
• Petroleum Economics (2007)  
• Completions Design (2007)  
• Decisions Making/Cost Forecasting (2008)

### Development Needs for Current Job and Future Goals

• Increase knowledge of BRB  
• Raise level of competencies for drilling to Skillful  
• Understand decisions behind financial and economic drivers at BP  
• Broaden understanding behind more vendors equipment and field knowledge  
• Geological / Pore pressure understanding  
• Casing Design (more depth)

### Development Action Plan

• Continue to develop competencies, especially in the areas "Project Management Skills," "Well Planning" and "Business Skills."  
• Continue to work on communication/leadership skills.  
• Build network of experienced peers to help aid in knowledge and development.  
• Spend time at vendors reviewing equipment before running  
• Work with subsurface team to gain more knowledge of where/how assumptions are made about geological estimates are put together.

### Personal Preferences / Limitations

• Office based position  
• Do not want a rotational position  
• Limited to position with job for myself and wife (both BP employees)

Updated (November 2008)

