



TRU PERSONNEL

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JOB TITLE	: SENIOR PETROLEUM ENGINEER
REPORTING TO	: TEAM LEADER
SUBORDINATES	: NA
SECTION	: OPERATIONS & PRODUCTION TECHNOLOGY
EMPLOYMENT STATUS	: (DIRECT HIRE – Expatriate)

1. JOB SUMMARY

- Phase 1 Development
 - a. Well Startup planning, execution & post well evaluation
 - b. Production planning & reservoir management / surveillance
 - c. Co-ordinate development of Production Database
 - d. Evaluate enhanced production techniques
- Phase 2 Planning
- ITB and bid evaluations
- Mentoring & training of staff

2. DIMENSIONS (The significant quantities on which the job has an impact)

Operational Readiness: planning to ensure readiness for operations & production
Secure DCQ: forecasting and sensitivities
HSE Impact: zero overboard discharges to the environment
Reservoir Management: planning baseline data acquisition and performance monitoring

3. KEY ACCOUNTABILITIES (Major Responsibilities)

- a) Phase 1 - Well Start-Up Planning
- Provide technical support, QA and guidance on perforating and baseline data acquisition for development well start-ups
 - Data acquisition will focus on baseline deliverability testing; cased hole logging; and sampling
 - Support in generating WSU procedures for perforating, clean-up flow, deliverability testing, logging, sampling & pressure build-up

Senior Petroleum Engineer-TP

- Operational support during WSU operations
- Deliver post well analysis to management and Shareholders.

b) Phase 1 - Production Planning & Reservoir Management

- Develop reservoir management and depletion strategy in line with Phase 1 DCQ requirements
 - Deliver reservoir management plan that includes depletion / perforation plan; reservoir surveillance; sand management; contaminants management; maximizing liquids value
 - Identify risks and develop mitigation plans
- Generate short term (18 month) production profiles (gas, condy & water) and sensitivities

c). Phase 1 - Production Database

- Co-ordinate development of Production Database
- Deliver production allocation methodology for Block XYZ fields with future expansion capability for future development phases

d) Phase 1 – Enhanced Production Techniques

- Evaluate potential options for production enhancement of Block XYZ reservoirs
- Evaluate potential for formation damage prior to development well drilling and identify options to mitigate skin damage

e) Phase 2 Planning

- Provide petroleum engineering support for Phase 2 development

f) ITB & Bid Evaluations

- Provide input and technical support for ITB / bid evaluation process that includes
 - Perforating systems
 - Cased hole logging
 - Sand monitoring
 - Production database, allocation and analysis hardware and software

g) Mentoring & training of staff

- Mentor, develop and train staff in preparation for production operations

4. STAFFING (Indicate the number of executives and non-executive reporting to your position, if any. Please attach organization chart)

NA

5. KEY CHALLENGES OF THE JOB (Types of problem faced in performing the job)

- HEAVY WORKLOAD REQUIRING PRIORITIZATION & TIME MANAGEMENT
- DEVELOPING STRATEGIES CONSISTENT WITH CORPORATE, SHAREHOLDER AND MTJA REQUIREMENTS
- COMPLEX DATASETS REQUIRING DETAILED ANALYSIS
- IDENTIFYING KEY OPTIONS & MITIGATIONS TO COMPLETE EVALUATIONS

6. KEY INTERFACES

- G&G Dept; Drilling, Wellservices; Projects; Offshore; Commercial; C&P; & Finance

7. COMPETENCIES / SKILLS (Critical competencies and minimum levels required to perform the job satisfactorily)

- Expert understanding of production technology, production optimization and reservoir management / surveillance
- Good understanding of reservoir engineering principles
- Good understanding of completions & well interventions
- Basic understanding of petrophysics
- Positive attitude, self-motivated and proactive team worker
- Capable of solving complex problems and always looking for cost effective operational solutions
- Lateral thinker with ability to apply prior experience to deliver optimal solutions
- Excellent persuasive presenter able to communicate at all levels both internally and externally

8. EDUCATION / EXPERIENCE

- B.Sc or M.Sc in Petroleum Engineering or related engineering discipline
- >15 - years Operator work experience mainly in Production Technology and experience in general Petroleum Engineering disciplines