

# Shell Canada Limited

## Shelburne Basin Exploration Drilling Project

### EXPRESSION OF INTEREST (EOI): BOP Survey Services

**Bids Category: 0245, 0900**

**Package number: SHELL 22**

**Issue date: June 13, 2014**

**Closing date: June 27, 2014 1:00 pm ADT**

### GENERAL

In association with the acquisition of Exploration Licenses 2423, 2424; 2425, 2426, 2429 and 2430 located 350 km south of Halifax offshore, Shell Canada Limited (Shell) has committed to carrying out an exploration drilling program within an initial 6-year exploration period commencing on 1 March 2012. It is Shell's current intention to drill up to 3 exploration wells in these exploration blocks commencing approximately May 2015.

Shell is committed to ensuring that full and fair opportunity is provided to Nova Scotia and Canadian companies through employment, procurement and contracting.

As part of the Project, Shell requires the services for BOP Survey and Drilling Systems Inspections.

### SCOPE OF WORK

Shell is seeking qualified contractors to provide the following key deliverable for its proposed Project:

#### **BOP Survey Services:**

Contractor shall provide BOP standard work scope which includes survey and reporting of the between wells BOP inspection, maintenance and testing conducted by the Rig Owner, review of documentation and certificates and witness associated function and pressure tests.

Daily Reports shall be provided and a Final Report shall be issued at the conclusion of the survey. The Final Report will summarize the survey and include recommendations pertaining to deficiencies, plus review of planned 'between well' BOP scope of work to follow.

The Surveyor shall utilize a detailed work scope document including, but not limited to the following:

- a) Determination of status of any existing recommendations
- b) Check NDT - MPI inspection records
- c) Inspect Drape and flex hoses - moonpool and LMRP and hose management
- d) Visual inspection of Annular BOPs and look for key seating wear
- e) Visual inspection of Ram type BOPs and review dimensional checks on the cavities and the rams
- f) Inspection of BOP mounted Choke and Kill valves
- g) Operator chamber tests per agreed schedule - pressure and function
- h) Visual inspection of Wellhead Connector and LMRP - check for key seating wear
- i) BOP stack general condition inspection

- j) Inspection of BOP/LMRP framework and guide structure
- k) Verification of Accumulator precharge pressures, all systems by testing and/or API 16D accumulator volume calculations performed/verified.
- l) Inspection of Marine Riser and Telescopic joints plus tensioning system and peripheral equipment
- m) Analysis of diverter system
- n) Analysis of BOP controls system plumbing
- o) Review Spare parts inventory
- p) Review Planned Maintenance System / BOP Log book
- q) Review BOP and related equipment pressure tests
- r) Inspect and test Choke and Kill manifold plus related equipment
- s) Review BOPs and control system function tests (Primary and Secondary, if applicable i.e. ROV interfaces)
- t) Oversee surface hot stab function tests from ROV (ref. ROV Operations BOP / LMRP) and drift test of BOP stack with particular attention to the annular BOPs
- u) Review BOP, LMRP, drilling riser and other running/operating procedures

### **Drilling Systems Inspection**

The objective of the inspection is to verify that the rig Drilling Systems equipment is maintained, inspected and tested to ensure that it is capable of operating as originally designed.

In addition safety systems, equipment and policies and procedures are reviewed to verify safe and efficient operations.

Inspections shall be carried out in compliance with manufacturers' recommendations, national and international regulatory rules and regulations, codes of practice, and current industry standards and practices including:

#### **Inspection, Testing and Verification of:**

1. Emergency Response Procedures
2. Operations & Maintenance Manuals
3. Cranes, Hoists, and Materials Handling
4. Derrick and Substructure
5. Derrick Hoisting Equipment (Drawworks, Blocks, Compensator etc.)
6. Rotating System (Rotary Table, Bushings, Top Drive)
7. Rig Power Plant
8. Hydraulic Power Units (HPU)
9. Fuel Storage & Handling System
10. Drill String Handling Tools (Elevators, Slips, Iron Roughneck, Automated Catwalk etc.)
11. High Pressure Mud System
12. Low Pressure Mud System
13. Bulk System
14. Cementing Equipment
15. Instrumentation/Communication
16. Personnel Protective Gear
17. Hot Work - Welding & Flame Cutting Operations
18. Lockout/Tagout Procedures
19. Confined Spaces

20. Gas/Fire/Smoke Detection
21. Pollution Prevention Equipment
22. Develop Acceptance Testing Procedure (ATP).
23. Review Drilling Systems Preventative Maintenance Systems.
24. Compressed Air Systems
25. Refrigeration and A/C Equipment
26. Fire Fighting
27. Hazardous Areas
28. Survival and Lifesaving Equipment
29. Spare Parts for Drilling Systems
30. Review of available documentation and maintenance records
31. Perform detailed inspection and record observations and findings
32. Generate Daily reports documenting inspection activities
33. Issue final report containing an executive summary, completed ATP, daily reports and recommendations

## **EXPRESSION OF INTEREST REQUIREMENTS**

Shell will select qualified bidders from respondents to this EOI. Please include the EOI Input Sheet as part of the response. The document is also available from Shell Canada at the address noted below.

Included in the qualification process is a Safety Assessment: All companies providing a formal response to this EOI must be registered with ISNetworld (ISN) (<http://www.isnetworld.com/>) to enable Shell to assess safety management systems and help pre-qualify potential suppliers. Please note that there is a registration cost involved, dependent upon company size.

Pre-qualified companies will be required to complete a Contractor Local Implementation Plan, and demonstrate their commitment to and compliance with Shell requirements regarding Canada–Nova Scotia Benefits, during the tender process.

## **BID SCHEDULE**

Expressions of Interest must be received on or before **June 27, 2013 1:00 pm ADT**

A Request for Proposal (RFP) will be issued to a list of qualified bidders chosen from the responses to this EOI. Issue of the RFP is expected around mid July 2014 and award of contract around mid August 2014.

All inquires and Expressions of Interest (electronic format only) must be clearly marked with the EOI reference number and should be directed to:

**Shell Canada Limited**  
1701 Hollis Street, Suite 900  
Halifax, NS B3J 3M8

Attention: Janice D. Frost,  
Local Benefits Manager  
Email: [Janice.Frost@Shell.com](mailto:Janice.Frost@Shell.com)

*In addition:*

*Potential suppliers for this Project, if they have not already done so, are encouraged to register their companies with BIDS at:  
Phone: 1-800-397-0393  
Email: [distribution@bids.ca](mailto:distribution@bids.ca)*