



Rig Move Hazard Mitigation Procedure

Hierarchy Level: Procedure	Document Type: Operating Procedure	Page: 1 of 17
Owner: VP, Drilling	Applies to: Devon US	Doc. ID: 113573258
Last Revised: 1/8/2025	Review Cycle: Every 3 Years	Implemented: 9/29/2014

1. ABOUT THIS PROCEDURE

Purpose

This procedure was established to protect personnel from the hazards associated with Drilling rig moves.

Objective

This procedure establishes minimum requirements for a Drilling rig move.

Scope

All Devon Drilling activity.

This procedure defines the requirements for rig move pre planning and execution to protect personnel during Drilling rig moves.

Applicability

This procedure applies to all employees, contractors, and suppliers participating in Drilling rig moves.

Variances

None.

Superseded Documents

None.



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3. ROLES

Superintendent Ensures rig move plan is followed and is working.

The PIC is the Company Man/Well-site Supervisor unless otherwise stated. This individual will be on location and is accountable for execution of the rig move plan and will have control to determine which operation or phase of work has precedence at any given time. The PIC shall communicate daily with the Drilling Superintendent or Foreman with respect to rig move activity. The PIC or designee shall communicate with each contractor upon entry and departure from the well location.

- PIC
- Accountable for execution of the rig move plan.
 - Ensure all key stakeholders (rig, completion, facilities, and production) are briefed and engaged, including contractors. Must have communications across the crews and shifts.
 - Monitor daily rig move activity.
 - Evaluate the risk of the various move and rig up operations and ensure necessary mitigation plans are in place.
-

Individual on location who is accountable for executing specific activities under the direction of the PIC. The Contractor shall communicate with the PIC prior to entry, upon entry, and upon departure from the well location. The Contractor shall also be accountable for monitoring the ongoing operation and identifying and reporting any activity that may impact their ability to perform the intended activity. Generally, the Contractor will:

- Contractor
- Monitor daily rig move and rig up activities.
 - Facilitate daily Pre-Task Tailgates (Pre-Job) and operations review(s).
 - Attend daily activity review(s).
 - Execute specific activity under the direction of the PIC.
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Individual assigned to provide functional EHS expertise. The representative shall communicate with the PIC with respect to EHS aspects of the ongoing operation.

- EHS
- Monitor daily activity.
 - Provide EHS support and oversight.
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4. PROCEDURE PREREQUISITES

4.1 PROCEDURE OVERVIEW

This procedure defines the requirements for rig move pre planning and execution to protect personnel during Drilling rig moves.

4.2 APPLICABLE STANDARDS

Devon Electrical Safety Protocol
Devon Pre-Job Planning Protocol
Devon Mechanical Lifting and Rigging Protocol

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5. PROCEDURE

5.1 PRE-PLANNING RIG MOVE

Step	Required Action	Role
5.1.1	Verify the well pad at the new location is constructed to the appropriate dimensions for both the rig and equipment being moved prior to coordinating the rig move.	PIC
5.1.2	<p>Verify a route survey and detailed route assessment has been completed on all non-DOT permitted sections of the route (e.g., survey from the old location to the DOT approved trucking route and from the end of the DOT approved route to the new location.) Assessment should identify obstructions and hazards to normal and oversized loads, such as overhead power lines, bridges, overpasses, and cattle guards for each route. The minimum clearance from overhead power lines must be maintained as set forth in Table 1 in section 6.0. Route assessments can be documented on the Attachments (Attachment B, Attachment C, Attachment D), or equivalent documents and must also meet DOT and /or state requirements.</p> <p>Note: Documentation will be kept in the rig files or electronically in Well View.</p>	PIC
5.1.3	<p>Ensure a high pole truck designated by the trucking company truck pusher runs the entire DOT approved route to ensure all over height permitted loads will clear obstacles encountered prior to the rig move meeting. The high pole truck must be set at a maximum anticipated permit height plus 6 inches.</p> <p>Note: The trucking company's designated high pole truck must run the entire DOT route daily to ensure no new obstacles are on the approved route.</p>	PIC
5.1.4	Ensure the trucking company documents any potential issues or concerns along the approved route such as construction zones, areas of high traffic, reduced speed limits, etc. This information must be reviewed in the pre-rig move meeting prior to mobilization of equipment.	PIC



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- 5.1.5 Ensure only a trained electrician uses hot sticks to measure, touch, or raise overhead power lines. Non-electricians can only use electronic (non-contact) cable height meters to measure cable height. PIC

Note: High-pole escort trucks can be used to validate line clearance on state and federal roads. Set high pole 6 inches higher than the tallest load.

- 5.1.6 Conduct a pre-rig move meeting with the Devon PIC, drilling contractors rig manager, and truck pusher at least 24 hours prior to the rig move. The meeting shall include a review of the proposed route(s) and the documented route assessment that identifies all known obstructions and hazards. Document the meeting on the Pre-Rig Move Meeting Form ([Attachment E](#)), or an equivalent. PIC

Note: Include any additional personnel deemed necessary, including safety coaches if available.

Note: Documentation will be kept in the rig files or electronically in Well View.

- 5.1.7 Ensure the Trucking Company truck pusher and their designated high pole truck drive check the route for new hazards, 24 hours prior to the rig move. Check for new electric lines, ditches, and other obstructions. Hazards shall be removed or mitigated and clearly marked prior to the rig move. PIC

- 5.1.8 Ensure no deviations from the approved route are allowed without a new route assessment. Deviations = Stop Work! PIC

- 5.1.9 Ensure equipment is not staged on any other location without a documented route assessment and approval from the Devon PIC. PIC

- 5.1.10 Ensure there is at least one Devon PIC or truck pusher on the “move from” location and at least one Devon PIC or truck pusher at the “move to” location. Both locations must have a sign-in point maintained by the Devon PIC or truck pusher. PIC

- 5.1.11 Ensure required signage is clearly positioned and visible by personnel on site, from the road as it enters the location and if necessary, along the transit route (e.g., “Warning Overhead Power line,” “Trucks PIC

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Turning,” “Caution Heavy Truck Traffic,” “Residential Area,” “Slow Down,” etc.) All speed limits are to be strictly enforced.

- 5.1.12 Ensure all overhead power lines are identified or barricaded on the well pad and within 100 feet of the outer edge of the well pad using one of the following: PIC
- Goal post warning system (see [Appendix A](#)) or similar shall be used to mark overhead power lines that vehicles and equipment must pass underneath.
 - Physical barriers shall be used to keep vehicles and equipment at least 15 feet away from overhead power lines where there is no need to drive underneath.

Note: These requirements apply to the new and old location.

5.2 RIG MOVE EXECUTION

Step	Required Action	Role
5.2.1	<p>Conduct daily pre-task tailgate meetings (safety meeting) with all contractors on site to include the rig crew, rig move trucking company, truck drivers, and all other parties on location during the rig move. Nobody should begin work or join the rig move without participating in a pre-task tailgate or being updated by PIC, truck pusher, Safety Coach, or designee.</p> <p>Note: Clarify any special procedures for the rig move and discuss any specific safety hazard that might come up during the move. Everyone should know what loads they will pick up, where they are going, and what tools/equipment they need for the job.</p> <p>Note: See the Devon Pre-Job Planning Protocol.</p>	PIC
5.2.2	<p>Verify crane and forklift operators have current certifications prior to beginning. Verify that contractor has inspected all applicable rig move equipment, cranes, trucks, forklifts, and associated lifting & rigging equipment prior to beginning work. Equipment must either be in good condition or be replaced.</p> <p>Note: See the Devon Mechanical Lifting and Rigging Protocol.</p>	PIC



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- 5.2.3 Ensure mobile mechanical equipment is unloaded and rigged up/rigged down on location and shall not leave location in the rigged-up configuration. Forklifts, man lifts, and loaders shall only be operated on location. PIC

Note: Gin pole trucks must have the poles racked prior to leaving location.

- 5.2.4 Ensure non-conductive taglines are used to guide and position suspended loads. Taglines should be of sufficient length to keep workers out of fall path. PIC

- 5.2.5 Ensure “homemade” lifting devices and tools are not used on Devon locations. Lifting devices must be certified by a registered engineer. Break-over or lever-style load tensioning devices (boomers) are not allowed on Devon locations. PIC

- 5.2.6 Ensure all vehicles, equipment, and loads of material in transit maintain a minimum clearance from overhead power lines as set forth in [Table 1 in section 6.0](#). Any exception requires a risk assessment with written (email) approval from the responsible Devon Drilling Superintendent and notification to the Drilling Vice President. PIC

Note: If unable to maintain the proper clearance, the line must be de-energized and/or raised by a licensed electrician, or an alternate route must be identified and used. Route changes shall be approved by the Devon PIC and the Trucking Company truck pusher and documented on the approved route assessment.

- 5.2.7 Ensure the rig move trucking company is responsible for all loads, and that they are prepared, loaded, and secured in a manner that allows for adequate clearance from all obstructions. PIC

- 5.2.8 Ensure the load height for all loads leaving location is measured so that the load meets the clearance requirements listed in [Table 1 in section 6.0](#) for the lowest power line or hazard along the route. Loads must be measured after they are on the trailer that will be used and properly secured. PIC



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Note: Alternative method of measuring each load is to create a measuring station on the old location to ensure overhead hazard clearance. This involves setting a goal post system with a height indicator (flagging, cable/string, laser, etc.) to create the “measuring station.” The height of the station would be set according to the minimum clearance from overhead power lines as set forth in [Table 1 in section 6.0.](#), or at the height of the lowest overhead hazard along the approved route (bridge, communications line, etc.), whichever is lower. Each load leaving location would then drive under the height indicator to verify proper clearance prior to leaving location.

5.2.9	Ensure pit roofs, lights, handrails, and finger/racking boards are lowered and removed as appropriate.	PIC
5.2.10	Ensure the dimensions of all permitted loads are checked and documented prior to leaving location.	PIC
5.2.11	Ensure all on-site vehicles and mechanical equipment (rigs, cranes, forklifts, loaders, and gin pole trucks) that have the capability to be elevated maintain a 10-foot clearance from any overhead power line. If unable to maintain 10-foot clearance, the power line must be de-energized.	PIC
5.2.12	Ensure all vehicles that enter a Devon location or site comply with first move-forward policy to minimize backing risks. Vehicles larger than a pickup should have a spotter while backing. The parking brake must be set, or wheels chocked if the vehicle is left unattended while running.	PIC

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6. TERMS AND DEFINITIONS

Oversized Load In the United States an oversize load is a vehicle and/or load that is wider than 8 ft. 6 in. (2.59 m). Each individual state has different requirements regarding height and length (most states are 13 ft. 6 in. or 4.11 m tall), and a driver must purchase a permit for each load and for each state he/she will be traveling through.

Safe Clearance Vehicles, equipment, and loads of material in transit must maintain a minimum
Electrical Power clearance from overhead power lines based upon Table 1 listed below. (This
Lines clearance does not apply to communication lines.)

Table 1-Approach distance to energized overhead power lines.

Voltage Range (phase to phase)	Minimum Clearance
0 – 300 V	1 foot
301– 750 V	2 feet
751 – 15,000 V	3 feet
15 - 50 kV	4 feet
50 kV and up	4 feet plus 4" for every 10 kV over



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7. DOCUMENT MANAGEMENT

7.1 REVISION DETAILS

The changes made to this Procedure during the latest revision can be found in the [Rig Move Hazard Mitigation Approval, Review, and Modification History](#) Attachment.

7.2 APPROVAL

This procedure has been approved by:


Name	Title
Matthew Hinson	VP, Drilling & Completions

7.3 SEEKING AND APPROVING VARIANCES

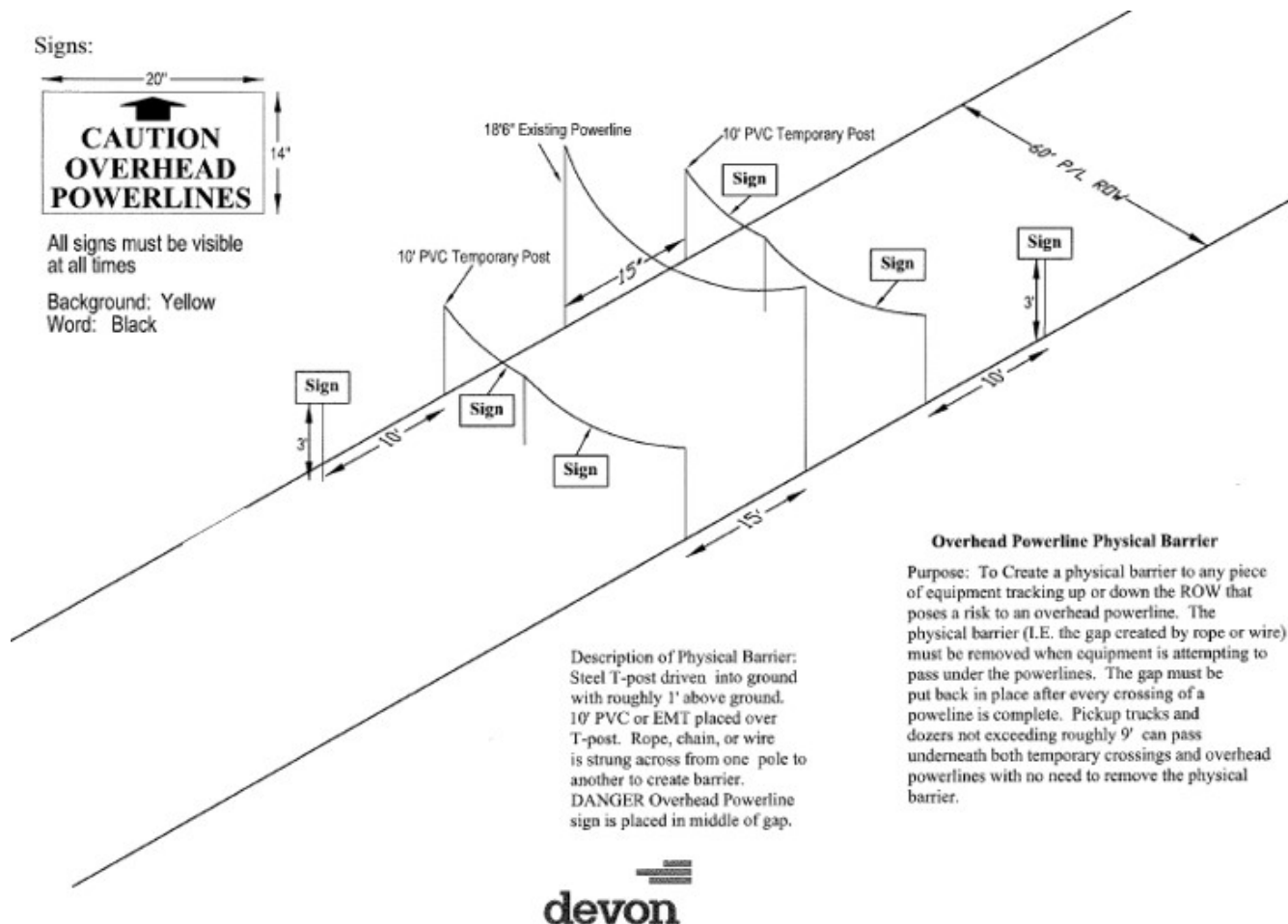
Variances from this procedure requires a risk assessment with written consent from the responsible Devon Drilling Superintendent in charge and notification to the Vice President of Drilling. (Email response to the risk assessment is adequate for the written consent and leadership notification.)

7.4 RELATED DOCUMENTS

Document Name
Rig Move Hazard Mitigation Approval, Review, and Modification History
Rig Move Hazard Mitigation Deviation Request Form
Rig Move Hazard Mitigation Pre-Rig Move Meeting
Rig Move Hazard Mitigation Pre-Risk Assessment Form
Rig Move Hazard Mitigation Release from Location Form
Rig Move Hazard Mitigation Route Assessment Form

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APPENDIX A: PHYSICAL BARRIER EXAMPLE FOR ELECTRICAL LINES





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ATTACHMENT A: APPROVAL, REVIEW, AND MODIFICATION HISTORY

[Approval, Review, and Modification History](#)



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ATTACHMENT B: ROUTE ASSESSMENT FORM

[Route Assessment Form](#)



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ATTACHMENT C: PRE-RISK ASSESSMENT FORM

[Pre-Risk Assessment Form](#)



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ATTACHMENT D: RELEASE FROM LOCATION FORM

[Release from Location Form](#)



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ATTACHMENT E: PRE-RIG MOVE MEETING

[Pre-Rig Move Meeting](#)