

Modification Application - Regulation 22

Interest Holder	Central Petroleum Limited	EMP Title	NT Drilling Campaign	Unique EMP ID No.	CTP 3.4	Mod No.	2	Date	10 March 2021
Brief Description	<p>The NT Drilling Campaign EMP was approved by the minister on 29 November 2020. The plan included the development of well pads, access tracks and the associated infrastructure necessary to drill 2 development wells (WM27 and WM28) at Mereenie.</p> <p>In relation to the WM28 well, Central would like to modify the access track route to the well pad as approved in the EMP. The modification is necessary as Sacred Site Clearance Certificate (SSCC) (C2020-009 - Appendix A) issued on 23 February 2021 by the Central Land Council (CLC) required under our land access agreement differs from the authority certificate (C2020/084 - Appendix B) granted on 25 November 2020 by the Aboriginal Areas Protection Authority (AAPA).</p> <p>A variation to the approved authority certificate (C2020/084) has been lodged and is being processed by the Aboriginal Areas Protection Authority (AAPA). However, if this approval is not granted prior to the well pad needing to be developed an alternative access route will be needed.</p> <p>Therefore, Central is proposing to utilise the approved and cleared right of way (ROW) as the access route to WM28 for potential well pad civil construction and for rig mobilisation if required. This is additional disturbance is required to facilitate the turning circles of earth moving equipment and during potential rig mobilisation. This change will result in minor additional areas needing to be cleared, highlighted in blue in Appendix C.</p> <p>Note: these additional areas would only be cleared when necessary, if the AAPA approval is not granted timely.</p>								
Geospatial Files Included?	The file shows the existing ROW (in red) and the new areas (in blue) which would need to be cleared (Appendix D).								
Does the proposed change result in a new, or increased, potential or actual environmental impact or risk?	If a new potential or actual environmental impact or risk, is it provided for in the approved EMP?	If an increase in an existing potential or actual environmental impact or risk is it provided for in the approved EMP?	Does the proposed change require additional mitigation measures to be included?	Has additional stakeholder engagement been conducted?	Does it require additional environmental performance standards and measurement criteria?	Does it affect compliance with Sacred Site Authority Certificates?	Does it affect current rehabilitation, weed, fire, wastewater, erosion and sediment control, spill or emergency response plans?	Will the environmental outcome continue to be achieved and will the impacts and risks be managed to ALARP and acceptable?	
Note 1.	n/a	Note 2.	Note 3.	Note 4.	Note 5.	Note 6.	Note 7.	Note 8.	

Current EMP Text	Amended EMP Text
<p>4.3 Civil Works</p> <p>The civil works required to support the drilling campaign includes:</p> <ul style="list-style-type: none"> Construction of access tracks to the well leases as outlined in Figure 4-1 to Figure 4-6 Width of the access track will be up to 8 m dependent upon the constraints at each location. Passing turnouts will be located intermittently along the track so that vehicles can safely pass each other. The turnouts will be located in areas with no constraints. 	<p>4.3 Civil Works</p> <p>The civil works required to support the drilling campaign includes:</p> <ul style="list-style-type: none"> Construction of access tracks to the well leases as outlined in Figure 4-1, 4-2, 4-4, 4-5, 4-6 will typically be up to 8 m dependent upon the constraints at each location. However the ROW will now be used as the access track to WM28 and there will be some part on the corners (highlighted in blue in Appendix C) where the track will be widened up to the allowed 25m with to accommodate a potential drill rig mobilisation. Passing turnouts will be located intermittently along all the tracks so that vehicles can safely pass each other. The turnouts will be located in areas with no constraints.
<p>Figure 4-3 – Clearance Area (West Mereenie 28 Well)</p>	<p>Figure 4-3 – New Clearance Area (West Mereenie 28 Well)</p> <p>This figure has been updated to highlight the use of the ROW as the new access track route / location to the WM-28 well (Appendix C). The new route has been cleared by the CLC and AAPA.</p>
<p>Figure 5-15 Land Types (West Mereenie 28 Well)</p>	<p>Figure 5-15 Land Types (West Mereenie 28 Well)</p> <p>The ROW highlighted on this map will be used access track. A small amount of additional clearing highlighted in blue (Appendix C) may be needed. The new route along the ROW has been cleared by the CLC and AAPA.</p>
<p>Risk Register – Failure of flow lines</p> <p>Aboveground Flowlines</p> <ul style="list-style-type: none"> West Mereenie wells - the flowlines are not co-located with the access track to decrease likelihood of accidental vehicle damage (engineering) 	<p>Risk Register – Failure of flow lines</p> <p>Aboveground Flowlines</p> <ul style="list-style-type: none"> West Mereenie 27 well - the flowline is not co-located with the access track to decrease likelihood of accidental vehicle damage (engineering) West Mereenie 28 well - the flowline is co-located with the access track to facilitate a drill rig move. The line will not be live at any time during well pad development, mobilisation, drilling and demobilisation when the right of ROW would be used. Therefore, the likelihood of any release as a result of accidental vehicle damage is zero.

Note1: Yes, there would be a minor increase in risk given the disturbance area has increased slightly of 0.35 ha from the previously approved 1.69 ha. There are no sensitive receptors or heritage / cultural sites in the proposed clearance zones. The additional disturbance will only have minimal cumulative impacts as clearing is estimated to take 1 day and rehabilitation will take place immediately post rig demobilisation.

Note 2: Yes, all of the proposed activities are currently included as part of the approved NT Drilling Campaign (CTP3-4) EMP. Activities including civil works, and the associated controls are currently considered in the risk section of the EMP. The estimated duration of activities is only expected to increase slightly as a result of the activities.

Note 3: No additional mitigation measures are considered necessary. The planned works are within the scope of the current activities and Central plans on executing the activities aligned with approved controls.

Note 4: No, the area has been previously cleared by the CLC and AAPA.

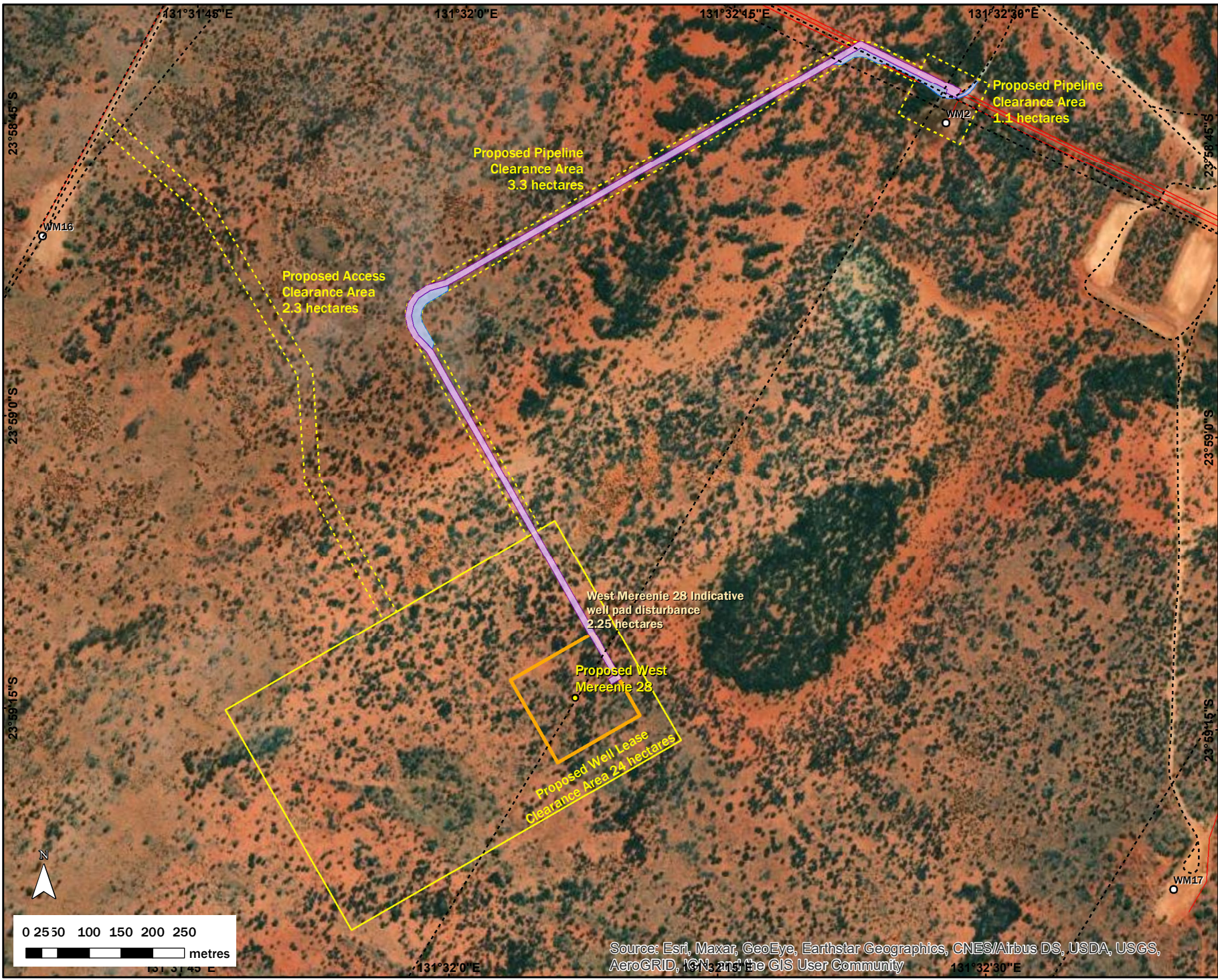
Note 5: No additional environmental performance standards and measurement criteria are required. A review of the existing standards and criteria in the EMP identified that all elements will be able to be met and the proposed works will not impact compliance.

Note 6: No, approval for the right of way as been granted under the existing authority certificate (C2020/084 - Appendix B) granted on 25 November 2020 by the Aboriginal Areas Protection Authority (AAPA) and the CLC SSCC (C2020-009 - Appendix A) issued on 23 February 2021.

Note 7: Yes , it does affect some plans in place as outlined below. The proposed ROW access track is planned to revert to an ROW and be managed under the Mereenie FEMP, therefore:

- Rehabilitation – additional rehabilitation works will be necessary on the additional areas disturbed (0.35ha)
- Weeds – regular inspections and annual survey
- Fire – all fire related controls are valid and will be in place during planned works. In addition, any hot works will be undertaken under permit conditions aligned with existing fire controls in the EMP
- Wastewater – no wastewater will be generated as a result of the proposed works
- Erosion and sediment – controls will be implemented during construction and the area monitoring during operational activities
- Spill – spill response plans are valid for these activities
- Emergency response plans – these plans are valid, and plans address risks associated with the proposed works

Note 8: The environmental outcomes outlined in the EMP associated with civil works will continue to be achieved. In addition, all of the impacts and risks will be managed to ALARP. An assessment has been undertaken and for each key elements of the works to determine whether potential environmental risks are 'acceptable'. CP's has revalidated the risk assessment in the EMP related to civil works and determined that there is no increased risk as a result of the activities. Rationale to support the ALARP decision is included in the existing NT Drilling EMP (3-4).



West Mereenie 28

- Indicative well location
- Existing tracks or seismic
- Proposed Pipeline Right of Way
- Proposed Access Right of Way
- Indicative well pad disturbance (150m x 150m)
- Existing wells
- Gas pipeline
- Proposed Well Lease Clearance Area
- Proposed Pipeline and Access Clearance Areas

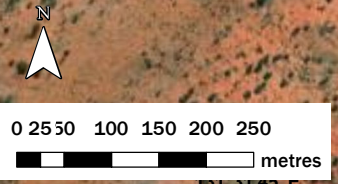
ID: 0523-206
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Date: 10/03/2021

Map Scale is 1:8,000 when printed at A4
 Coordinate System: GDA 1994 MGA Zone 52



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Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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