

# Modification Notice - Regulation 22

If the modification to the regulated activity has already occurred, a regulation 22 modification notice is not applicable.

Interest Holder	Central Petroleum	EMP Title	Mereenie Development Wells WM29 / WM30	Unique EMP ID No.	CTP7-5	Mod No.	2	Date	9 July 2024
Brief Description	<p>This Regulation 22 modification is seeking to amend the EMP to:</p> <ul style="list-style-type: none"> <li>Update Tables 2 and 7, as through the development of this modification, it has been noted that the clearing footprint stipulated for the flowlines for each new well are contrariwise. The original clearing area for WM29 flowlines should be 1.1ha and 0.45ha for WM30.</li> <li>Relocate the proposed flowline connection from the West Mereenie 29 Well to the West Mereenie 300 (WM300) line which connects to the Central Treatment Plant (CTP).</li> </ul> <p>The <u>existing</u> flowline alignment detailed in the approved EMP (CTP7-5) indicates the flowline from WM29 will run along southern side of the main access road and tie into the WM300 spin line (EMP figure 3). This approach requires approximately 700m of clearing of approximately 25m in width for fire management and ongoing maintenance of the new flow line resulting in approximately 1.1ha of ground disturbance.</p> <p>The <u>proposed</u> modification to the existing alignment seeks to amend the flow line tie in to the WM300 pipeline at a point perpendicular to the well pad, dramatically reducing the amount of clearing required. The tie in point is located on the opposite (eastern) side of the main site access road and will require the connection under the access road to reach the tie in point (see Attachment 2). This will eliminate a considerable amount of surface disturbance associated with the existing approved flowline location works. Beyond the tie in point, a 30m x 30m (0.09ha) area will need to be cleared to allow for above ground catcher infrastructure (pipework) to be installed for maintenance of the new underground flowline. An additional 0.02ha be cleared on the eastern side of the access road to accommodate above ground pigging infrastructure as well as 0.06ha on the western side of the access road for pig launcher infrastructure. All other works associated with the updated flow line alignment will take place underground or in previously disturbed areas resulting in a total clearing footprint of only 0.17ha. These areas are shown in Attachment 2 of this modification as well as the associated KMZ spatial data provided with the application.</p> <p>It should be noted that tunnel / pipe boring equipment will be utilised to push the proposed pipework under the access road, therefore negating the need for any trenching / surface disturbance works to take place for that component of the works.</p> <p>The modification is being sought to dramatically reduce ground disturbance activities, reduce vegetation impacts / rehabilitation liabilities and minimise construction costs.</p>								
Geospatial Files Included?	Yes								

**Adjustment of Flow Line Connection to the Central Treatment Plant (CTP)**

Does the proposed change result in a new, or increased, potential or actual environmental impact or risk?	If an INCREASE in an existing potential or actual environmental impact or risk, is the increase provided for in the approved EMP?	Does the proposed change require additional mitigation measures to ensure it is managed to ALARP and acceptable levels?	Has additional stakeholder engagement been conducted?	Does the proposed change require additional environmental performance standards or measurement criteria?	Does the proposed change affect compliance with Sacred Site Authority Certificates?	Does the proposed change affect any sub-plans to the EMP?	Will the environmental outcome continue to be achieved?
<i>Attach supporting information to support all answers to the above questions</i>							
No. As demonstrated in the analysis and risk assessment (Attachment 1)	N/A	No additional mitigation measures are considered necessary. Both the environmental risk and the impact is heavily reduced due to the significant reduction in clearing required for the updated flow line tie in works.	Yes. Additional stakeholder negotiations with the CLC to manage minor clearing required within a mapped Restricted Works Area (RWA) have been undertaken and agreement reached (Attachment 3).	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.	No. The proposed modification scope does not impact any Sacred Sites or current Authority Certificates.	No. As demonstrated in the analysis and risk assessment (Attachment 1).	Yes. As demonstrated in the analysis and risk assessment (Attachment 1).

Current EMP Text			Amended EMP Text		
<b>Update</b>					
<b>Table 2</b>			<b>Table 2</b>		
WM29 (WM-E1) well site	WM30 (WM-A) well site		WM29 (WM-E1) well site	WM30 (WM-A) well site	
Well site - 1.83ha	Well site - 1.71ha		Well site - 1.83ha	Well site - 1.71ha	
Access track - 0.11	Access Track - 0.24		Access track - 0.11	Access Track - 0.24	
Flowline corridor outside well site - 0.45ha	Flowline corridor outside well site - 1.11ha		Flowline corridor outside well site - 1.11ha	Flowline corridor outside well site - 0.45ha	
Total = 2.39ha	Total = 3.06ha		Total = 3.05ha	Total = 2.4ha	
<b>Table 7</b>			<b>Table 7</b>		
Development well	WM29 (WM-E1)	WM30 (WM-A)	Development well	WM29 (WM-E1)	WM30 (WM-A)
Wellhead surface location	X= 759925m/Y = 7344295m	X = 756788.9m/Y = 73446560.4	Wellhead surface location	X= 759925m/Y = 7344295m	X = 756788.9m/Y = 73446560.4
Elevation	769.4m AHD	784.1m AHD	Elevation	769.4m AHD	784.1m AHD
Area of well site	1.83ha	1.71ha	Area of well site	1.83ha	1.71ha
Access tracks	0.11ha	0.24ha	Access tracks	0.11ha	0.24ha
Area of flowline corridor	0.45ha	1.11ha	Area of flowline corridor	1.11ha	0.45ha
Total	2.39ha	3.06ha	Total	3.05ha	2.4ha
<b>Relocation</b>					
<b>Table 2</b>			<b>Table 2</b>		
WM29 (WM-E1) well site	WM30 (WM-A) well site		WM29 (WM-E1) well site	WM30 (WM-A) well site	
Well site - 1.83ha	Well site - 1.71ha		Well site - 1.83ha	Well site - 1.71ha	
Access track - 0.11	Access Track - 0.24		Access track - 0.11	Access Track - 0.24	
Flowline corridor outside well site - 1.11ha	Flowline corridor outside well site - 0.45ha		Flowline corridor outside well site - 0.17ha	Flowline corridor outside well site - 0.45ha	
Total = 3.05ha	Total = 2.4ha		Total = 2.11ha	Total = 2.4ha	

**Table 7**

Development well	WM29 (WM-E1)	WM30 (WM-A)
Wellhead surface location	X= 759925m/Y = 7344295m	X = 756788.9m/Y = 73446560.4
Elevation	769.4m AHD	784.1m AHD
Area of well site	1.83ha	1.71ha
Access tracks	0.11ha	0.24ha
Area of flowline corridor	1.11ha	0.45ha
Total	3.05ha	2.4ha

Figure 3: WM29 Location and flowline layout

**Table 7**

Development well	WM29 (WM-E1)	WM30 (WM-A)
Wellhead surface location	X= 759925m/Y = 7344295m	X = 756788.9m/Y = 73446560.4
Elevation	769.4m AHD	784.1m AHD
Area of well site	1.83ha	1.71ha
Access tracks	0.11ha	0.24ha
Area of flowline corridor	0.17ha	0.45ha
Total	2.11ha	2.4ha

Revised Figure 3 - Refer to Attachment 2

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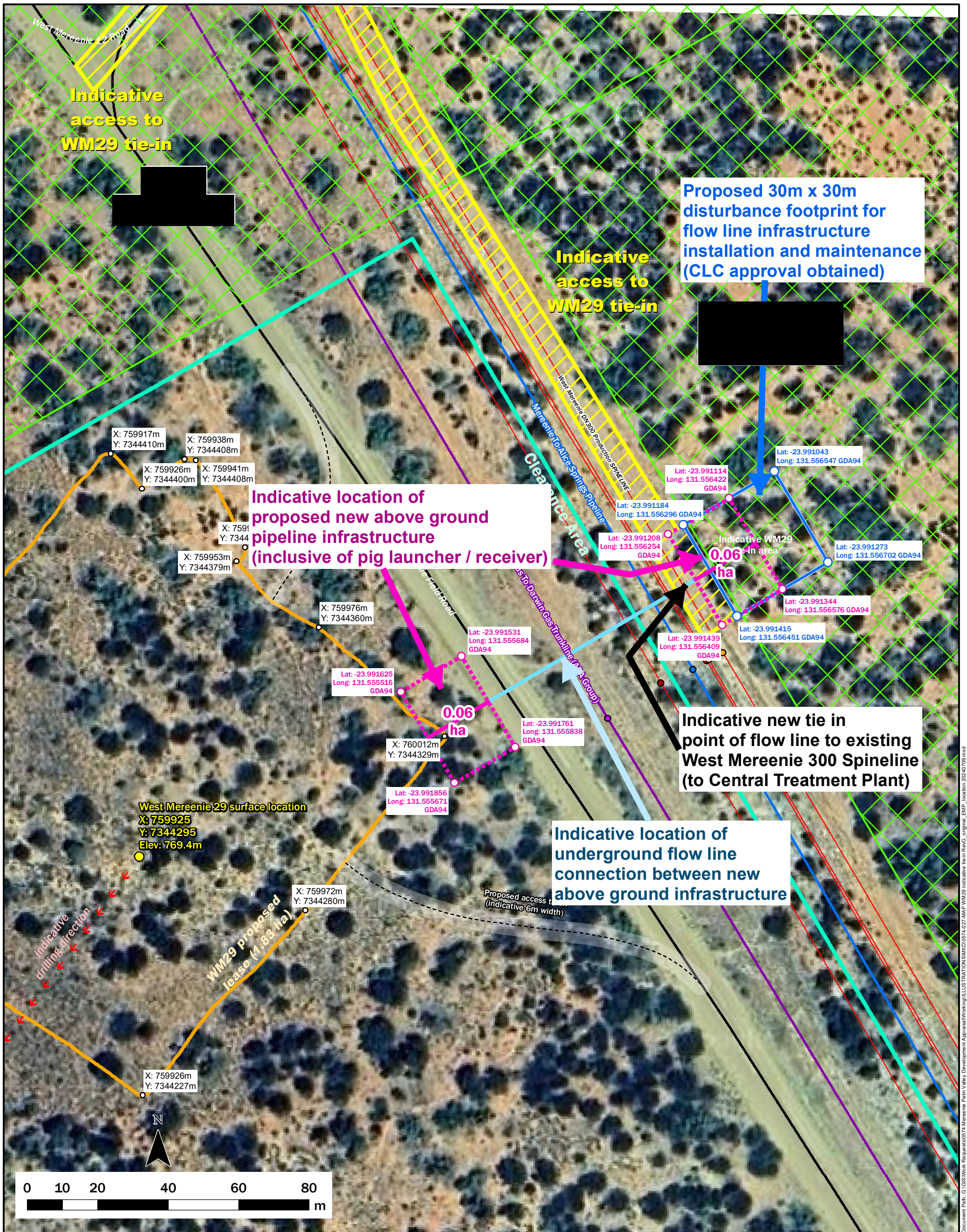
Attachment 1: Risk Assessment

Flow line tie in modification – Risk Assessment			
Category	Currently approved option	Proposed option	Differences / Comments
<b>Required ground disturbance</b>	The current proposed ground disturbance footprint for the WM29 flowline = <u>1.11ha</u>	The new proposed ground disturbance footprint for the WM29 flowline = <u>0.17ha</u>	The proposed update to the flow line alignment will result in a 0.94ha reduction in ground disturbance and vegetation impacts. There is a clear environmental benefit to be gained by implementing the flow line realignment.
<b>Flora and fauna impacts</b>	The ecological assessment undertaken for WM29 did not identify any threatened flora or fauna within the clearing footprint however, incidental flora impacts were associated with the proposed alignment and resulted in approximately 0.45ha of clearing.	The ecological assessment undertaken for WM29 included the area proposed to be disturbed by the flowline realignment. These were no instances of threatened fauna of flora noted in this location either however, clearing of vegetation is significantly reduced through implementation of the new alignment.	As above, the updated flow line alignment results in approximately 0.94ha less clearing of vegetation and potential fauna habitat.
<b>Stakeholder impacts</b>	Stakeholder impacts have been managed as per the engagement process detailed within the EMP. Traditional Owners have been addressed on the proposed wells and feedback noted / addressed.	The proposed flowline realignment does require minor clearing within a Restricted Work Area (RWA) as determined by the Central Land Council (CLC). The CLC has been notified and has provided their approval via the attached CLC certificate (Attachment 3).  There are no other stakeholders impacted by the change in alignment.	There is a minor impact to an RWA however, the impact has been negotiated and agreed to with CLC. No further risk mitigation / management measures have been stipulated.
<b>EMP sub plan</b>	The EMP sub-plans have been reviewed by DEPWS and approved for the scope of works detailed in the EMP.	The proposed realignment will result in less environmental impact and will not require any update to the current EMP sub-plans. Provisions for CLC engagement are already included and do not require modification.	No change required.
<b>Achievement of environmental outcomes</b>	Environmental outcomes were developed against the submitted flowline alignment and management measures developed accordingly.	The updated flowline alignment results in a lesser environmental impact and therefore improves upon the currently approved environmental outcomes.	Overall, the new flowline alignment being proposed results in a superior environmental outcome against all elements of the bottom line (environmental, social and economic). It is a clear improvement upon the currently approved alignment.

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Attachment 2: Revised Figure 3





ID: 0574-027  
 Rev: G  
 Date: 9/07/2024

Map Scale is 1:1,000 when printed at A3  
 Coordinate System: GDA 1994 MGA Zone 52

### Proposed WM29 Location

Indicative location of proposed new above ground pipeline infrastructure (inclusive of pig launcher / receiver)  
 Indicative location of underground flow line connection between new above ground infrastructure

- Surveyed underground pipelines (FYFE)
- APA 300DIAM
  - MASP 200DIAM
  - NORTH FLANK 100DIAM
  - NORTH FLANK 150DIAM
  - WM 150DIAM
  - WM 300DIAM

- Indicative AG pipeline corridor (30m wide)
- Indicative WM29 tie in (30m x 30m)
- ▭ Indicative access to WM29 tie-in
- Appraisal well surface location

- - - Access proposed centreline
- Indicative drilling direction
- ▭ WM29 proposed lease
- ▭ Clearance Area
- Mereenie to Alice Springs Pipeline
- Amadeus to Darwin Gas Trunkline (APA)

- Gas pipeline
- roads





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Attachment 3: CLC Certificate