

2026-2027		SCHEDULED					
Unit Rate Code	Rehabilitation / Closure Action	Comments/Assumptions	Applicable	SI Units	Quantity	Rate	Activity Cost
1	Preparation for closure						
1A	Establishment of Rig, TLB, Cementing equipment & accessories	Torque Africa Invoice to D3 Energy - #INV0003763, REFERENCE: 24-12-03-BR04 RBD03, trip to and from site (commencement and completion) Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): 'Establishment of Rig, TLB, grouting equipment & accessories' - Once off.	Yes	/way	1	102 600.00	102 600.00
1B	Setup of Site	Rate as per Forum SA Trading Invoice (Invoice nr GH13 01/10/2024). Assume 6 hours. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): 'Setup of Site' - Each, R323,860.00 (as per Client's Safety Standards).	Yes	/well	48	32 917.50	1 580 040.00
1C	Setup of Drill Machine	Rate as per Forum SA Trading Invoice (Invoice nr GH13 01/10/2024). Assume 6 hours. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): 'Setup of Drill Machine' - Per hour, R3,600.00. Hourly rates include labour costs.	Yes	Per hour	288	3 600.00	1 036 800.00
1D	Water Supply for contractors	Water supply transport and monthly water supply of approximately 10 000l, as provided in the Forum SA Trading Invoice (Invoice nr GH13 01/10/2024).	Yes	Once off	1	31 500.00	31 500.00
1E	Inter-hole move of Rig and equipment	Rates are from Torque Africa Quote (Quote ref: 24-12-03 BR04). Assumed 4 hours per move between wells. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): 'Inter-hole move of Rig and equipment' - Per hour, R1,950.00. Hourly rates include labour costs.	Yes	Per hour	188	1 950.00	366 600.00
1F	Clean out string to identify and investigate potential blockages/cavities within the well.	Running a clean out string to the bottom of the well. A drilling report (Motuoane Energy Daily Drilling report #19, 5/10/2024) was provided which indicates time taken to remove rod, change the drill bit and lower the rod again to a depth of 581m, giving a total of 6 hours. An additional 2 hours are included in the event blockages need to be cleaned out. Rates are from Torque Africa Quote (Quote ref: 24-12-03 BR04). This includes the unblocking, cleaning and flushing of the well. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): 'Un-block of collapsed boreholes' / 'Flushing & cleaning of well' - Per hour, R3,600.00.	Yes	Per hour	384	3 600.00	1 382 400.00
1G	Conduct Calliper logging to identify and investigate potential blockages/cavities within well - Step 1	Step 1 - Tagging of well. Lower tools down hole to ensure equipment can reach bottom of well. This costing is include in item 1F Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Calliper logging Step 1 (tagging of well) - Per hour, R3,600.00. Hourly rates include labour costs.	Yes	Per Hour	480	3 600.00	1 728 000.00
1H	Conduct Calliper logging to identify and investigate potential blockages/cavities within well - Step 2	Step 2 - Lower camera down hole if blockage is detected to determine the blockage and next steps. This costing is include in item 1F Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Calliper logging Step 2 (camera) - Per hour, R1,800.00. Hourly rates include labour costs.	Yes	Per hour	240	1 800.00	432 000.00
1I	Cement Bond Logging to investigate the current integrity of the casing and grouting	Wireline Africa Quote XWQU-0339 (23 July 2026): includes establishment, data acquisition and data processing (Karoo CBL). PR: CBL/USIT is repeated on EVERY well during P&A planning because all production wells will have produced >10 years by closure (FRDCP Phase 1 and Table 20; Onshore Well Decommissioning Guidelines). Quantity = all wells to be	Yes	/well	48	53 000.00	2 544 000.00
2	Closure and sealing						
2A	Dismantle of wellhead, booster compressor and coalescer filter	Rate as per Forum SA Trading Invoice (Invoice nr GH13 01/10/2024). Assumed 2 hours to remove each well head and associated infrastructure. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): 'Dismantle of wellhead, booster compressor and coalescer filter' - Per hour, R3,600.00. Hourly rates include labour costs.	Yes	Per hour	96	3 600.00	345 600.00
2B	Supply and install cement plug within well via squeezing technique (Develop cement formulation for cementing the entire well annulus. Develop cement formulation to top-up “no bond” or “poor bond” cemented sections between casing and formation walls – ensure cement seals and does not disperse into porous formations. Cement formulations and volumetric calculations to be approved by well engineer/cement specialist)	Grouting of the well (filling the annulus) is undertaken during drilling, therefore only cementing of the open well (production hole) will be required. The cost is assumed to be similar to that of grouting, for the well plugging. The well plug volume was calculated assuming an average of 562m infill with Bentonite Grout in the 126mm diameter wellbore (average of 8.76m3 base volume), plus a 25% excess to account for losses. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Cement plug via squeezing technique - Per Cube, R6,500.00.	Yes	/m³	420.5	6 500.00	2 732 951.31
2C	Operational Time - Prepping cementing equipment	Hours based on Daily drilling reports (Motuoane Energy Daily Drilling report #19, 5/10/2024), assume 4.5 hours Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Operational time - prepping grouting equipment - Per hour, R3,600.00. Hourly rates include labour costs.	Yes	Per Hour	216	3 600.00	777 600.00
2D	Operational Time - Cementing of well	Hours based on Daily drilling reports (Motuoane Energy Daily Drilling report #19, 5/10/2024), assume 1 hour Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Operational time - grouting of well - Per hour, R3,600.00. Hourly rates include labour costs.	Yes	Per Hour	48	3 600.00	172 800.00
2E	Operational Time - Cleaning of cementing equipment	Hours based on Daily drilling reports (Motuoane Energy Daily Drilling report #19, 5/10/2024), assume 1.5 hours Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Operational time - cleaning of grouting equipment - Per hour, R3,600.00. Hourly rates include labour costs.	Yes	Per Hour	72	3 600.00	259 200.00
2H	Cementation integrity testing	Integrity of the plugs must be confirmed by setting weight down on the upper most plug (using the drill string) as well as a differential pressure test for 4 hours at determined pressure with less than 10% bleed over the period. Pressure test data to be captured in 15-minute intervals for the entire 4-hour testing period. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Cementation integrity testing - Per hour, R3,600.00. Hourly rates include labour costs.	Yes	Per hour	192	3 600.00	691 200.00

2I	Removal of any surface infrastructure	Rate as per Forum SA Trading Invoice (Invoice nr GH13 01/10/2024). Assumed 4 hours per site. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Removal of any surface infrastructure - Per hour, R3,600.00. Hourly rates include labour costs.	Yes	Per Hour	192	3 600.00	691 200.00
2J	Excavation of material and demolition hammer and casing	Rate as per Forum SA Trading Invoice (Invoice nr GH13 01/10/2024). Activity to be undertaken with a backhoe if needed. Assumed average of 5 hours per well site. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Excavation of material and demolition hammer and casing - Per hour, R3,600.00. Hourly rates include labour costs.	Yes	Per hour	240	3 600.00	864 000.00
2K	Supply and install surface tags on each well for monitoring purposes	Placement of a "surface tag" in order to ensure monitoring can continue once the casing is cut and the area revegetated. The well location can be recorded on the Title/SG Diagram if a physical surface is not possible. Rate obtained by engineering specialist report. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Supply and install surface tags on each well (Pole & Flag & Info plate) - /Well, R3,500.00.	Yes	/well	48	3 500.00	168 000.00
3	General Surface Rehabilitation						
3B	Rip footprint area	Well sites: 10 x 10 m fenced wellhead area per site, 1 m depth, ripped with a 3 m wide ripper (34 m of ripping per site). Seismic/AMT surveys are not applicable and are excluded from the PR costing (Sept 2026). Rates from Jatalja Boerdery quote (19 July 2026); deep ripping (>1 m), extreme compaction, 500 m/h - risk averse.	Yes	Per hour	3.264	600.00	1 958.40
3D	Establish vegetation - Well sites	Hydromulch quote (246-2026-EIMS) scoped for the 9 ER315 well sites (10 x 10 m each). PR: applied as whole quoted rounds of 9 well sites - 48 wells => 6 events (Wells Status, "Quoted rounds per event"). Re-quote for the PR layout.	Yes	/event	6	93 172.00	559 032.00
4Q	Rehabilitation of roads and paved surfaces, Access road (two track road)	PR: 100 m of ~3.5 m wide new access track per well site (FRDCP Section 4.5.5 and Table 21), rehabilitated at closure unless retained by written landowner agreement. Quantity = Units x well sites with new access tracks. DMR-based rate, CPI escalated.	Yes	/m	4800	8.68	41 680.80
6	Annual Rehabilitation						
6A	Establishment of Rig, TLB, Cementing equipment & accessories	Torque Africa Invoice to D3 Energy - #INV0003763, REFERENCE: 24-12-03-BR04 RBD03, trip to and from site (commencement and completion) Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026) - see item 1A note re: unit basis.	No	/way	-	102 600.00	-
6B	Setup of Site	Rate as per Forum SA Trading Invoice (Invoice nr GH13 01/10/2024). Assume 6 hours. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): 'Setup of Site' - Each, R323,860.00 (as per Client's Safety Standards).	No	/well	-	32 917.50	-
6E	Inter-hole move of Rig and equipment	Rates are from Torque Africa Quote (Quote ref: 24-12-03 BR04). Assumed 4 hours per move (2). Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Per hour, R1,950.00. Hourly rates include labour costs.	No	Per hour	-	1 950.00	-
6F	Clean out string to identify and investigate potential blockages/cavities within the well.	Running a clean out string to the bottom of the well. A drilling report (Motuoane Energy Daily Drilling report #19, 5/10/2024) was provided which indicates time taken to remove rod, change the drill bit and lower the rod again to a depth of 581m, giving a total of 6 hours. An additional 2 hours are included in the event blockages need to be cleaned out. Rates are from Torque Africa Quote (Quote ref: 24-12-03 BR04). This includes the unblocking, cleaning and flushing of the well. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Per hour, R3,600.00. Hourly rates include labour costs.	No	Per hour	-	3 600.00	-
6I	Cement Bond Logging to investigate the current integrity of the casing and grouting	Quicklog Geophysics Tax Invoice No. 1104 (10-12-2024), includes Establishment, Data Acquisition and Data Processing (Karoo CBL) Updated per Wireline Africa Quote XWQU-0339 (23 Jul 2026) - see item 1I note for breakdown.	No	/well	-	58 800.00	-
6J	Dismantle of wellhead, booster compressor and coalescer filter	Rate as per Forum SA Trading Invoice (Invoice nr GH13 01/10/2024). Assumed 2 hours to remove each well head and associated infrastructure. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Per hour, R3,600.00. Hourly rates include labour costs.	No	Per hour	-	3 600.00	-
6K	Supply and install cement plug within well via squeezing technique (Develop cement formulation for cementing the entire well annulus. Develop cement formulation to top-up "no bond" or "poor bond" cemented sections between casing and formation walls – ensure cement seals and does not disperse into porous formations. Cement formulations and volumetric calculations to be approved by well engineer/cement specialist)	Grouting of the well (filling the annulus) is undertaken during drilling, therefore only cementing of the open well (production hole) will be required. The cost is assumed to be similar to that of grouting, for the well plugging. The well plug volume was calculated assuming an average of 562m infill with Bentonite Grout in the 126mm diameter wellbore (average of 8.76m3 base volume), plus a 25% excess to account for losses. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Per Cube, R6,500.00.	No	/m³	-	6 500.00	-
6L	Operational Time - Prepping cementing equipment	Hours based on Daily drilling reports (Motuoane Energy Daily Drilling report #19, 5/10/2024), assume 4.5 hours Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Per hour, R3,600.00. Hourly rates include labour costs.	No	Per Hour	-	3 600.00	-

6M	Operational Time - Cementing of well	Hours based on Daily drilling reports (Motuoane Energy Daily Drilling report #19, 5/10/2024), assume 1 hour Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Per hour, R3,600.00. Hourly rates include labour costs.	No	Per Hour	-	3 600.00	-
6N	Operational Time - Cleaning of cementing equipment	Hours based on Daily drilling reports (Motuoane Energy Daily Drilling report #19, 5/10/2024), assume 1.5 hours Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Per hour, R3,600.00. Hourly rates include labour costs.	No	Per Hour	-	3 600.00	-
6P	Surface Capping of well	Assume concrete capping 1 m x 1 m x 0,3 m Includes material Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Per hour, R3,600.00. Hourly rates include labour costs.	No	Per hour	-	3 600.00	-
6Q	Cementation integrity testing	Integrity of the plugs must be confirmed by setting weight down on the upper most plug (using the drill string) as well as a differential pressure test for 4 hours at determined pressure with less than 10% bleed over the period. Pressure test data to be captured in 15-minute intervals for the entire 4-hour testing period. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Per hour, R3,600.00. Hourly rates include labour costs.	No	Per hour	-	3 600.00	-
6R	Removal of any surface infrastructure	Rate as per Forum SA Trading Invoice (Invoice nr GH13 01/10/2024). Assumed 4 hours per site. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Per hour, R3,600.00. Hourly rates include labour costs.	No	Per Hour	-	3 600.00	-
6S	Excavation of material and demolition hammer and casing	Rate as per Forum SA Trading Invoice (Invoice nr GH13 01/10/2024). Activity to be undertaken with a backhoe if needed. Assumed average of 5 hours per well site. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Per hour, R3,600.00. Hourly rates include labour costs.	No	Per hour	-	3 600.00	-
6T	Supply and install surface tags on each well for monitoring purposes	Placement of a "surface tag" in order to ensure monitoring can continue once the casing is cut and the area revegetated. The well location can be recorded on the Title/SG Diagram if a physical surface is not possible. Rate obtained by engineering specialist report. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): /Well, R3,500.00.	No	/well	-	3 500.00	-
6U	Rip footprint area	Not applicable: seismic/AMT surveys are excluded from the PR costing (Sept 2026); rate retained for reference only. Seismic/AMT lines: ~66.74 km combined length (8 seismic transects + 7 telluric lines, FRDCP Table 6); 10% assumed on active cropland; 3 m wide ripper; Jatalja Boerdery quote (19 July 2026), 500 m/h.	No	per hour	-	600.00	-
6W	Establish vegetation - Seismics areas	Not costed (Applicable = No): FRDCP Phase 3 provides for natural recovery on seismic/AMT lines with alien invasive control; indigenous revegetation not required on cropland.	No	/event	1	164 560.00	-
6X	Backfill drill sumps	Lined drill sump <=4 x 4 x 1.5 m (24 m3) per well emptied and backfilled on pad rehabilitation (FRDCP Table 6). Quantity = Units x drill pads rehabilitated in the forthcoming 12 months (Wells Status). Unscheduled (ARP) only.	No	/m³	312.00	80.66	-
6Y	Rip drill pad footprint	Pad 50 x 50 m less the 10 x 10 m fenced wellsite retained = 2 400 m2 => 800 m of ripping per pad at 500 m/h. Unscheduled (ARP) only.	No	Per hour	20.80	600.00	-
6Z	Establish vegetation - drill pads	Active revegetation of each rehabilitated pad (2 400 m2 = 0.24 ha per pad; FRDCP Phase 3: actively revegetate pads). Quantity = Units x drill pads. Re-quote with Hydromulch for the PR programme. Unscheduled (ARP) only.	No	/ha	3.12	46 221.98	-
7	Latent and Residual Risk Provision						
7A	Establishment of Rig, TLB, Cementing equipment & accessories	Torque Africa Invoice to D3 Energy - #INV0003763, REFERENCE: 24-12-03-BR04 RBD03, trip to and from site (commencement and completion) Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): 'Establishment of Rig, TLB, grouting equipment & accessories' - Once off.	Yes	/way	2.00	102 600.00	205 200.00
7B	Setup of Site	Rate as per Forum SA Trading Invoice (Invoice nr GH13 01/10/2024). Assume 6 hours. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): 'Setup of Site' - Each, R323,860.00 (as per Client's Safety Standards).	Yes	/well	2.00	32 917.50	65 835.00
7C	Setup of Drill Machine	Rate as per Forum SA Trading Invoice (Invoice nr GH13 01/10/2024). Assume 6 hours. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): 'Setup of Drill Machine' - Per hour, R3,600.00. Hourly rates include labour costs.	Yes	Per hour	12.00	3 600.00	43 200.00
7D	Water Supply for contractors	Water supply transport and monthly water supply of approximately 10 000l, as provided in the Forum SA Trading Invoice (Invoice nr GH13 01/10/2024).	Yes	Once off	2.00	31 500.00	63 000.00

7E	Inter-hole move of Rig and equipment	Rates are from Torque Africa Quote (Quote ref: 24-12-03 BR04). Assumed 4 hours per move between wells. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): 'Inter-hole move of Rig and equipment' - Per hour, R1,950.00. Hourly rates include labour costs.	No	Per hour	8.00	1 950.00	-
7F	Clean out string to identify and investigate potential blockages/cavities within the well.	Running a clean out string to the bottom of the well. A drilling report (Motuoane Energy Daily Drilling report #19, 5/10/2024) was provided which indicates time taken to remove rod, change the drill bit and lower the rod again to a depth of 581m, giving a total of 6 hours. An additional 2 hours are included in the event blockages need to be cleaned out. Rates are from Torque Africa Quote (Quote ref: 24-12-03 BR04). This includes the unblocking, cleaning and flushing of the well. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): 'Un-block of collapsed boreholes' / 'Flushing & cleaning of well' - Per hour, R3,600.00.	Yes	Per hour	16.00	3 600.00	57 600.00
7G	Cement Bond Logging to investigate the integrity of the casing and grouting	Wireline Africa Quote XWQU-0339 (23 July 2026): establishment, data acquisition and processing (Karoo CBL), per failed well. The latent and residual risk provision for well failure is based on an assumed long-term failure rate of 3.4% of wells (FRDCP Section 6). PR: 48 wells x 0.034 = 1.63, rounded up to 2 wells on a risk-averse basis; each failed well is costed as	Yes	/well	2.00	53 000.00	106 000.00
7H	Excavation of material to access plug	The latent and residual risk provision for well failure is based on an assumed long-term failure rate of 3.4% of wells (FRDCP Section 6). PR: 48 wells x 0.034 = 1.63, rounded up to 2 wells on a risk-averse basis; each failed well is costed as a separate re-entry. An average of 5 hours is assumed, as provided by the contractors.	Yes	/well	2.00	16 206.37	32 412.74
7I	Removal of plug and redrill	The latent and residual risk provision for well failure is based on an assumed long-term failure rate of 3.4% of wells (FRDCP Section 6). PR: 48 wells x 0.034 = 1.63, rounded up to 2 wells on a risk-averse basis; each failed well is costed as a separate re-entry.	Yes	/well	2.00	306 739.29	613 478.58
7J	Excavation of material and demolition hammer and casing	Rate as per Forum SA Trading Invoice (Invoice nr GH13 01/10/2024). Activity to be undertaken with a backhoe if needed. The latent and residual risk provision for well failure is based on an assumed long-term failure rate of 3.4% of drilled wells. Given that the total number of wells currently considered in this phase is three, the 3.4% failure rate calculates to less than one well (3*0.034=0.102 wells). Therefore, no well failures are currently provisioned under this assumption. It should be noted that the 3.4% failure rate will only trigger the application of the Latent and Residual Risk provision once the total number of wells drilled reaches 30. At this point, the provision accounts for a single failed well (30*0.034=1 well). Assume 5 hours. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Per hour, R3,600.00. Hourly rates include labour costs. The latent and residual risk provision for well failure is based on an assumed long-term failure rate of 3.4% of wells (FRDCP Section 6). PR: 48 wells x 0.034 = 1.63, rounded up to 2 wells on a risk-averse basis; each failed well is costed as	Yes	Per hour	10.00	3 600.00	36 000.00
7K	Backfill excavated area	Rate as per Forum SA Trading Invoice (Invoice nr GH13 01/10/2024). Activity to be undertaken with a backhoe if needed. The latent and residual risk provision for well failure is based on an assumed long-term failure rate of 3.4% of drilled wells. Given that the total number of wells currently considered in this phase is three, the 3.4% failure rate calculates to less than one well (3*0.034=0.102 wells). Therefore, no well failures are currently provisioned under this assumption. It should be noted that the 3.4% failure rate will only trigger the application of the Latent and Residual Risk provision once the total number of wells drilled reaches 30. At this point, the provision accounts for a single failed well (30*0.034=1 well). It is assumed 2x2m area and 1m depth to be excavated to reach well. The latent and residual risk provision for well failure is based on an assumed long-term failure rate of 3.4% of wells.	Yes	/m ³	8.00	80.66	645.29
7L	Supply and install cement plug within well via squeezing technique (Develop cement formulation for cementing the entire well annulus. Develop cement formulation to top-up "no bond" or "poor bond" cemented sections between casing and formation walls – ensure cement seals and does not disperse into porous formations. Cement formulations and volumetric calculations to be approved by well engineer/cement specialist)	Rate as per Forum SA Trading Invoice (Invoice nr GH13 01/10/2024). Activity to be undertaken with a backhoe if needed. The latent and residual risk provision for well failure is based on an assumed long-term failure rate of 3.4% of drilled wells. Given that the total number of wells currently considered in this phase is three, the 3.4% failure rate calculates to less than one well (3*0.034=0.102 wells). Therefore, no well failures are currently provisioned under this assumption. It should be noted that the 3.4% failure rate will only trigger the application of the Latent and Residual Risk provision once the total number of wells drilled reaches 30. At this point, the provision accounts for a single failed well (30*0.034=1 well). Grouting of the well (filling the annulus) is undertaken during drilling, therefore only cementing of the open well (production hole) will be required. The cost is assumed to be similar to that of grouting, for the well plugging. The well plug volume was calculated assuming an average of 562m infill with Bentonite Grout in the 126mm diameter wellbore (average of 8.76m3 base volume), plus a 25% excess to account for losses. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Per cube, R6,500.00. The latent and residual risk provision for well failure is based on an assumed long-term failure rate of 3.4% of wells.	Yes	/m ³	17.52	6 500.00	113 872.97

7M	Operational Time - Prepping cementing equipment	Hours based on Daily drilling reports (Motuoane Energy Daily Drilling report #19, 5/10/2024), assuming 4.5 hours required for prepping cementing mix. The latent and residual risk provision for well failure is based on an assumed long-term failure rate of 3.4% of wells (FRDCP Section 6). PR: 48 wells x 0.034 = 1.63, rounded up to 2 wells on a risk-averse basis; each failed well is costed as a separate re-entry. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Per hour, R3,600.00. Hourly rates include labour costs.	Yes	Per Hour	9.00	3 600.00	32 400.00
7N	Operational Time - Cementing of well	Hours based on Daily drilling reports (Motuoane Energy Daily Drilling report #19, 5/10/2024), assuming one hour for cementing of well. The latent and residual risk provision for well failure is based on an assumed long-term failure rate of 3.4% of wells (FRDCP Section 6). PR: 48 wells x 0.034 = 1.63, rounded up to 2 wells on a risk-averse basis; each failed well is costed as a separate re-entry. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Per hour, R3,600.00. Hourly rates include labour costs.	Yes	Per Hour	2.00	3 600.00	7 200.00
7O	Operational Time - Cleaning of cementing equipment	Hours based on Daily drilling reports (Motuoane Energy Daily Drilling report #19, 5/10/2024), assuming 1.5 hours for cleaning of cementing equipment. The latent and residual risk provision for well failure is based on an assumed long-term failure rate of 3.4% of wells (FRDCP Section 6). PR: 48 wells x 0.034 = 1.63, rounded up to 2 wells on a risk-averse basis; each failed well is costed as a separate re-entry. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Per hour, R3,600.00. Hourly rates include labour costs.	Yes	Per Hour	3.00	3 600.00	10 800.00
7P	Cementation integrity testing (Integrity of the plugs must be confirmed by setting weight down on the upper most plug (using the drill string) as well as a differential pressure test for 4 hours at determined pressure with less than 10% bleed over the period. Pressure test data to be captured in 15-minute intervals for the entire 4-hour testing period.)	The latent and residual risk provision for well failure is based on an assumed long-term failure rate of 3.4% of wells (FRDCP Section 6). PR: 48 wells x 0.034 = 1.63, rounded up to 2 wells on a risk-averse basis; each failed well is costed as a separate re-entry. It is assumed 4 hours will be required for testing the cementation integrity. Updated per Torque Africa Quote 26-07-23 BR01 (23 Jul 2026): Per hour, R3,600.00. Hourly rates include labour costs.	Yes	Per hour	8.00	3 600.00	28 800.00
7Q	Transport of concrete demolition waste	This cost covers the extraction and disposal of concrete plugs from failed wells scheduled for redrilling. The estimate assumes an extraction volume of 8.76 m ³ of concrete rubble per well. The total pricing includes the rental of three standard waste skips and the transportation of the material to the Hoftontein Landfill. The latent and residual risk provision for well failure is based on an assumed long-term failure rate of 3.4% of wells (FRDCP Section 6). PR: 48 wells x 0.034 = 1.63, rounded up to 2 wells on a risk-averse basis; each failed well is costed as a separate re-entry.	Yes	/m ³	17.52	484.83	8 494.17
7R	Disposal of concrete demolition waste	This cost covers the extraction and disposal of concrete plugs from failed wells scheduled for redrilling. The estimate assumes an extraction volume of 8.76 m ³ of concrete rubble per well. The pricing includes the disposal of the concrete rubble at the Hoftontein Landfill. The latent and residual risk provision for well failure is based on an assumed long-term failure rate of 3.4% of wells (FRDCP Section 6). PR: 48 wells x 0.034 = 1.63, rounded up to 2 wells on a risk-averse basis; each failed well is costed as a separate re-entry.	Yes	/m ³	17.52	485.88	8 512.57
7S	Rip footprint area	Latent and residual: rip the 10 x 10 m site of each failed well (34 m of ripping with a 3 m ripper at 500 m/h). The latent and residual risk provision for well failure is based on an assumed long-term failure rate of 3.4% of wells (FRDCP Section 6). PR: 48 wells x 0.034 = 1.63, rounded up to 2 wells on a risk-averse basis; each failed well is costed as a separate re-entry. (Template costing corrected: quantity previously used the 500 m/h ripping speed as hours.)	Yes	/hr	0.14	600.00	81.60
7T	Establish vegetation - L&R	Assume areas: The latent and residual risk provision for well failure is based on an assumed long-term failure rate of 3.4% of wells (FRDCP Section 6). PR: 48 wells x 0.034 = 1.63, rounded up to 2 wells on a risk-averse basis; each failed well is costed as a separate re-entry. Rate obtained from Hydromulch quote (245-2026-EIMS-wells-Rehabilitation-Welkom-Virginia)	Yes	/event	2.00	57 018.00	114 036.00
8	Post Closure Monitoring						
8A	Ground water and Surface water quality monitoring	Groundwater and surface-water monitoring for the PR: R663 760.96 excl. VAT per sampling event, covering all 48 wells (2 groundwater + 1 surface-water point per well cluster). Rate provided by Jessica (EIMS), Sept 2026; supersedes the nine-well ER315 quote of 22 July 2026 (R139 242.68 per event). Applied x 10 events (bi-annual for 5 years post-closure).	Yes	/sampling event	10.00	663 760.96	6 637 609.60
8C	Gas leakage Monitoring	EIMS fugitive-gas quote (23 July 2026) scoped for the 9 ER315 wells. PR: surface methane survey at each abandoned well/site (FRDCP Table 23; GN 6807 F.13) applied as whole quoted rounds of 9 wells per event (48 wells => 6 rounds) x 10 events (every 5 years for 50 years). Re-quote for the PR layout.	Yes	/5yr	60.00	72 371.23	4 342 273.80

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