

TABLE 3 COMPLETION CRITERIA AND MEASUREMENTS, WELLSITES						
Criterion	Intention	Objective	Land unit (functional)	GAS Scoring	Measurement of criterion	Commentary
Imported or excavated materials	Minimise colour, profile and topographic differences with surrounds; encourage or enforce the limiting of fill importations	A, B, C	All units	+2	no imported materials present	Removal of imported material , which should be returned to its source, is the necessary first stage in pad recovery. If foreign material is not removed, impacts cascade through the following requirements.
				+1	5% of pad area shows foreign material	
				0	10% of pad area shows foreign material	
				-1	20% of pad area shows foreign material	
				-2	>20% of pad area shows foreign material	
Reforming of surface	Restoring original contours, drainage	A	All units	+2	Original surface form completely restored	Re-instating the original landform is the second stage of pad rehabilitation, necessary to avoid both erosion risks from run-on, run-off and drainage alteration, and visual obtrusiveness. Quantification of this criterion requires that there has been a survey and determination of levels before pad construction, hence the suggested requirement for survey as part of a pre-drilling DEF.
				+1	Reformed with minor variation from original	
				0	Evidence of pad banks and batters remains	
				-1	At least 50% of pad shown by banks and batters	
				-2	No restoration of original surface.	
Surface soil restoration	Minimise differences between pad surface and surrounding soils	B,C,D	All units	+2	Pad completely covered by respread topsoil	Some topsoil inevitably is stripped in pad construction, and most may be, depending on unit and local landform. Its respreading is the third stage in pad rehabilitation. The suggested GAS scoring emphasises the need for stockpiling topsoil in the first place,so that it is possible to respread as part of completion
				+1	5% of pad area differs from surrounds	
				0	5-10% of pad area differs from surrounds	
				-1	>10% without spread topsoil	
				-2	No attempt made to respread topsoil	
Vegetation	Maximise recolonisation rates; minimise differences with	D	All units	+2	Pad surface completely prepared and seeded	Final stage in rehabilitation. Some preparation at least is needed for local vegetation to re-establish without "blow-in" species (eg <i>Salsola kali</i>) dominating. We have not specified a single form of preparation because in may vary depending on the local circumstances of the pad; eg in an area of natural scalds and hummocks, the preparation may be the reproduction of irregular scalds. Elsewhere, pitting or "walking" with a tracked vehicle may be appropriate.
				+1	Pad surface completely prepared, stockpiled vegetation debris spread.	
				0	Pad surface completely prepared, no active revegetation	
				-1	Up to 50% of pad surface not prepared	
				-2	No surface preparation	
Litter and chemical pollution	Minimise visual impacts; encourage cleanup of minor spills	B,C	All units	+2	No litter or spills evident	Small litter items: odd bolts, metal pieces, small plastic pieces etc. Large litter items: cans, containers, timber baulks etc. Minor spills: vehicle filling spillovers as example. Large spills: 200L drum overturned as example.
				+1	<5 small litter items at pad <i>and</i> no large litter items present <i>and</i> no spills evident	
				0	5-10 small litter items at pad <i>or</i> single large litter item present <i>or</i> one minor spill evident	
				-1	Any two of 5-10 small litter items at pad, single large litter item present, one minor spill evident	
				-2	Any or all of: >10 small litter items present; large litter items present; multiple minor spills evident; major spill evident.	

Wellsite objectives

- A** Terrain returned to its original configuration or to a reasonable re-
B Soil surfaces restored to their original state or a reasonable reser

- C** Rehabilitated soils not markedly at variance with their surrounds in colour or texture
D Plant species local to the area able to or actively assisted to re-colonise