

REGIONAL INTERESTS DEVELOPMENT APPROVAL (RIDA)

RPI17/002 Santos Limited – Zeus Project

(Given under the *Regional Planning Interests Act 2014* section 53)

Description of the land

Real property description: Lot 1 SP209773
Local Government Area: Bulloo Shire Council

Approved activities

The approved activities for conventional petroleum production are set out in Table 1 below.

Definitions of the resource activities are included in Table 2.

This development approval authorises impacts on a strategic environmental area (SEA) by the approved activities.

Table 1: Approved activities

Area of regional interest	Location	Resource activity	Area of disturbance
Channel Country Strategic Environmental Area	Lot 1 SP209773	Two (2) well pads	2.3 ha
		Access tracks	0.25 ha
		Above-ground pipeline	0.15 ha
		Two (2) borrow pits	2.5 ha
		Total area of disturbance	5.2 ha

Table 2: Definitions

Resource activity	Definition
Well pad	As shown in well pad layout drawing <i>Ensign 970 & 971 Rigs</i> , an area of approximately 1.5ha (120m x 120m) used to provide a stable platform required for the construction and subsequent production of petroleum well containing drilling equipment and ancillary infrastructure.
Access track	A cleared track approximately 6m wide constructed of earthen material to facilitate safe access for construction and operations activities.
Above-ground pipeline	Construction and operation of an above-ground 100mm diameter steel pipeline mounted on 200mm high prefabricated supports contained within a cleared linear right-of-way approximately 3m wide.
Borrow pit	A shallow excavated pit used to win material to support construction of well pads and access tracks.

General Advice

This approval does not relieve the applicant of the obligation to obtain all approvals and licenses from all relevant authorities required under any Act.

Regional interests conditions

A person who is the holder of, or is acting under, this RIDA must not contravene a condition of this approval.

Condition number	Condition	Timing
1.	Carry out the approved activities and disturbance of land generally in accordance with: <ol style="list-style-type: none"> I. The activities identified in Table 1: Approved activities II. The activities defined in Table 2: Definitions of activities III. The approved plans: <ul style="list-style-type: none"> • <i>Figure 5: Site Footprint</i> prepared by Santos dated 28 April 2017 (See Attachment 1); and • <i>Ensign 970 & 971 Rigs</i> prepared by Santos dated 10 August 2016 (See Attachment 1). 	At all times
2.	Disturbance to land within the Strategic Environmental Area on Lot 1 SP209773 must be confined to 5.2ha in total.	At all times
3.	Develop and implement erosion and sediment controls in accordance with the <i>Best Practice Erosion and Sediment (BPESC) guidelines for Australia (International Erosion Control Association)</i> which: <ol style="list-style-type: none"> I. allows stormwater to pass through the site in a controlled manner and at non-erosive flow velocities; II. minimises soil erosion resulting from wind, rain, and flowing water; III. minimises the duration that disturbed soils are exposed to the erosive forces of wind, rain, and flowing water; IV. minimises work-related soil erosion and sediment runoff; and V. minimises negative impacts to land adjacent to the activities. 	At all times
4.	Construction activities must not occur during the regional wet season.	At all times
5.	Construction activities must not be undertaken when surface water is present in the disturbed areas.	At all times
6.	Access tracks and above-ground pipelines must be constructed to allow for the natural passage of surface water.	At all times

Condition number	Condition	Timing
7.	Clearing of native vegetation is not permitted within or adjoining watercourses, lakes, wetlands or springs.	At all times
8.	Contaminants must not be directly or indirectly released to waters in the Channel Country Strategic Environmental Area.	At all times
9.	Progressively restore disturbed areas to a pre-activity condition.	Upon completion of activities at each respective location
10.	<p>a) Take photographs of the pre-disturbance site conditions of the disturbance areas; and</p> <p>b) Take photographs of the post-restoration site conditions demonstrating that the impacted land within the SEA has been returned to its pre-activity condition; and</p> <p>c) Provide to the chief executive evidence of the pre-disturbance and post-restoration site conditions in accordance with parts a) and b) of this condition to: RPIAct@dilgp.qld.gov.au.</p> <p>The notification to the chief executive must state the application reference number.</p>	<p>a) Prior to commencement of approved activities</p> <p>b) On completion of restoration</p> <p>c) Within three months of completing all restoration works</p>

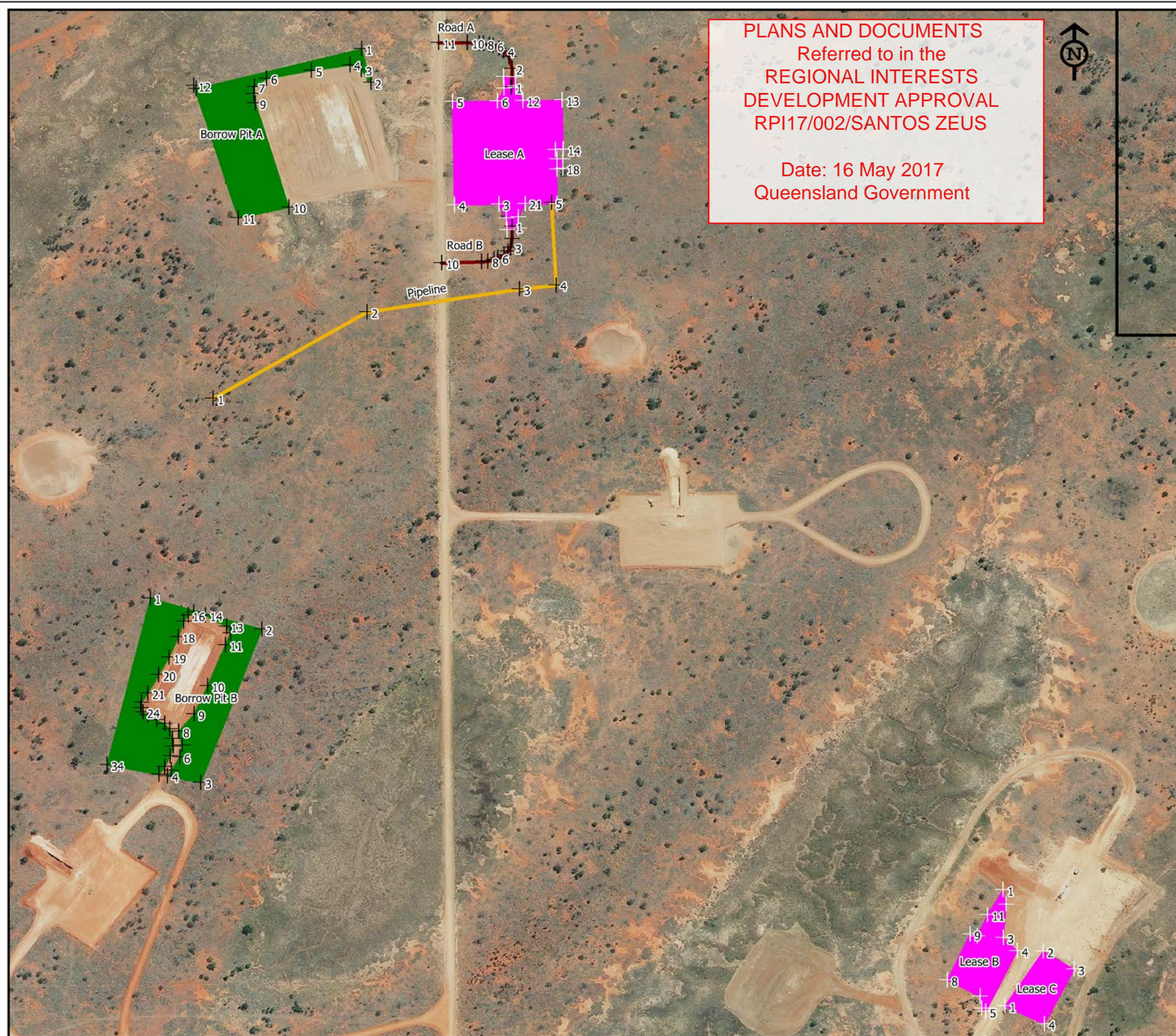
Condition number	Condition	Timing
11.	<p>a) All complaints received, and resulting actions taken about the impact of the approved activities on the environmental attributes in the SEA must be recorded. The record must include:</p> <ul style="list-style-type: none"> i) name, address and contact number of the complainant ii) time and date of complaint iii) reasons for the complaint iv) investigations undertaken v) conclusions formed vi) actions taken to resolve the complaint vii) any abatement measures implemented viii) person responsible for resolving the complaint. <p>b) The records of any complaints received and recorded in accordance with this condition must be provided to the chief executive at RPIAct@dilgp.qld.gov.au.</p>	<p>a) At all times</p> <p>b) Within three business days of receipt of a complaint</p>
12.	A full copy of the regional interests development approval is on-site and available to any person(s) contracted to undertake the approved activity.	For the duration of activities subject to this approval

Attachment 1: Approved Drawings

Figure 5: Site Footprint prepared by Santos dated 28 April 2017

PLANS AND DOCUMENTS
 Referred to in the
REGIONAL INTERESTS
DEVELOPMENT APPROVAL
RPI17/002/SANTOS ZEUS

Date: 16 May 2017
 Queensland Government



Borrow Pit A

Point	x	y
1	141.959970	-28.028816
2	141.960067	-28.029166
3	141.959968	-28.029032
4	141.959848	-28.028983
5	141.959444	-28.029040
6	141.958974	-28.029125
7	141.958846	-28.029212
8	141.958838	-28.029286
9	141.958857	-28.029382
10	141.959209	-28.030476
11	141.958678	-28.030588

Lease A

Point	x	y
1	141.961497	-28.030711
2	141.961489	-28.030592
3	141.961411	-28.030446
4	141.960946	-28.030453
5	141.960926	-28.029364
6	141.961397	-28.029361
7	141.961464	-28.029228
8	141.961461	-28.029106
9	141.961586	-28.029111
10	141.961586	-28.029205
11	141.961584	-28.029218
12	141.961662	-28.029356
13	141.962074	-28.029351
14	141.962086	-28.029874
15	141.962003	-28.029877
16	141.962022	-28.029974
17	141.962082	-28.029974
18	141.962079	-28.030071
19	141.962022	-28.030078
20	141.962022	-28.030442
21	141.961687	-28.030439
22	141.961614	-28.030577
23	141.961612	-28.030698
24	141.961497	-28.030711

Lease B

Point	x	y
1	141.966706	-28.037642
2	141.966736	-28.037794
3	141.966709	-28.038148
4	141.966856	-28.038285
5	141.966522	-28.038920
6	141.966482	-28.038889
7	141.966467	-28.038760
8	141.966120	-28.038593
9	141.966359	-28.038111
10	141.966438	-28.038131
11	141.966545	-28.037908
12	141.966706	-28.037642

Borrow Pit B

Point	x	y
1	141.957755	-28.034581
2	141.958924	-28.034909
3	141.958284	-28.036517
4	141.957936	-28.036451
5	141.957974	-28.036391
6	141.958063	-28.036251
7	141.958088	-28.036124
8	141.958053	-28.035979
9	141.958214	-28.035795
10	141.958355	-28.035499
11	141.958544	-28.035073
12	141.958595	-28.034949
13	141.958554	-28.034878
14	141.958333	-28.034760
15	141.958209	-28.034730
16	141.958152	-28.034760
17	141.958104	-28.034825
18	141.958047	-28.034989
19	141.957953	-28.035202
20	141.957842	-28.035388
21	141.957729	-28.035577
22	141.957662	-28.035674
23	141.957654	-28.035731
24	141.957678	-28.035774
25	141.957726	-28.035809
26	141.957823	-28.035855
27	141.957907	-28.035898
28	141.957958	-28.035955
29	141.957988	-28.036054
30	141.957996	-28.036138
31	141.957964	-28.036238
32	141.957907	-28.036351
33	141.957847	-28.036434
34	141.957300	-28.036331
35	141.957755	-28.034581

Lease C

Point	x	y
1	141.966727	-28.038863
2	141.967127	-28.038292
3	141.967451	-28.038476
4	141.967139	-28.039049
5	141.966727	-28.038863

- Areas of new disturbance**
- Proposed access track
 - Proposed pipeline
 - Proposed petroleum well pad
 - Proposed borrow pit

Pipeline

Point	x	y
1	141.958415	-28.032482
2	141.960030	-28.031576
3	141.961627	-28.031337
4	141.962010	-28.031295
5	141.961963	-28.030430

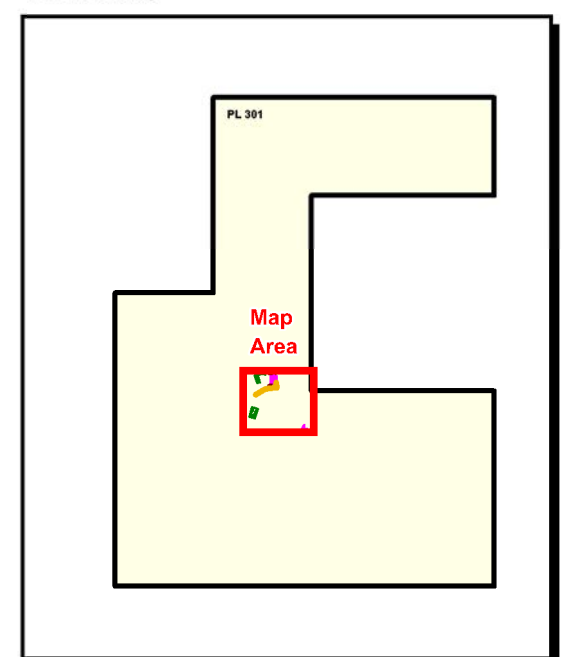
Road A

Point	x	y
1	141.961543	-28.029215
2	141.961548	-28.029020
3	141.961518	-28.028896
4	141.961459	-28.028840
5	141.961413	-28.028810
6	141.961349	-28.028783
7	141.961311	-28.028768
8	141.961248	-28.028761
9	141.961206	-28.028757
10	141.961079	-28.028750
11	141.960779	-28.028750

Road B

Point	x	y
1	141.961548	-28.030676
2	141.961548	-28.030807
3	141.961535	-28.030897
4	141.961505	-28.030935
5	141.961463	-28.030976
6	141.961400	-28.031006
7	141.961358	-28.031021
8	141.961294	-28.031040
9	141.961227	-28.031047
10	141.960813	-28.031059

Location Map



Santos

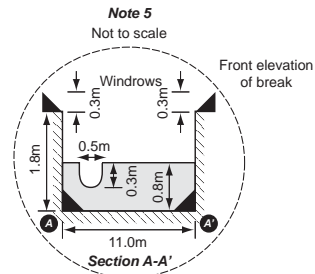
Queensland
PL 301
Zeus
 Figure 5
 Site Footprint

100 0 100 200

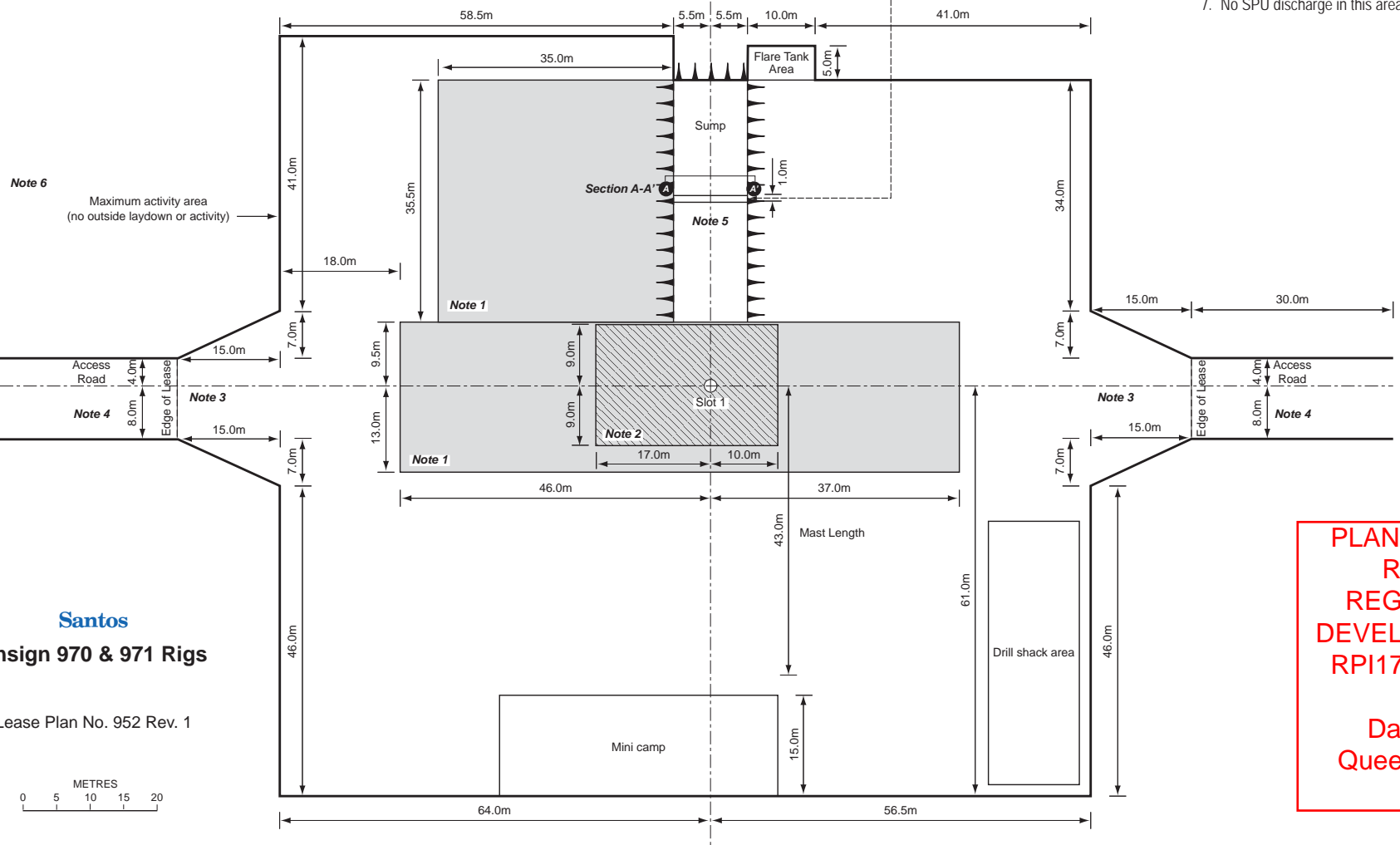
28 April 2017, File No. TOTA66 274f

NB Co-ordinates are Decimal Degrees - Longitude/Latitude

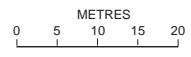
Ensign 970 & 971 Rigs prepared by Santos dated 10 August 2016



- Notes:**
1. Lease level tolerance in rig pad area (grey shaded) = 25mm (max) & ground compaction to be firm enough to support rig
 2. Rig hardstand pad area (diagonal hatched) to be excavated & clay compacted
 3. Slope on skidding locations not to exceed 1 degree in direction of skid path
 4. Lease access roads to be as straight as possible leading onto the lease with minimal slope & will taper back gradually from 12m wide at edge of lease to the standard Santos road specification of 6m wide
 5. Sump to be 1.8m deep & to have 30cm windrows pushed up on sides except for face of sump & do not under cut sump walls
 6. Single access road to be located between lease & water area, access road location is flexible, all road bend radiuses must be 50m, **See Single Access Rd Plan No 942 Rev. 0 for options**
 7. No SPU discharge in this area



Santos
Ensign 970 & 971 Rigs
 Lease Plan No. 952 Rev. 1



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