

# PETROLEUM EXPLORATION AND PRODUCTION ACTIVITIES IN SOUTH AFRICA

**Restriction Notice on Applications**  
 As of the 28 of June 2018, no new applications for Technical Cooperation Permits, Exploration Rights and Production Rights will be received until a notice of invitation for application is published.  
 This affects all acreage offshore  
 It does not affect:  
 • Reconnaissance permits - i.e. spec surveys/multi-client surveys  
 • Applications made before the 28th June 2018  
 • Current permit and right holders' exclusive rights to apply for exploration rights (from a TCP) or production rights (from an ER)  
 The above-mentioned restriction does not apply to onshore areas under restriction notice dated 3rd February 2014.

**Mineral and Petroleum Resources Development Act, No.28 of 2002.**  
**Role of Petroleum Agency SA**  
 Under section 71 of the above Act, Petroleum Agency SA has been appointed the designated Agency, with the following responsibilities:  
 • Promotion and regulation of exploration and production on and offshore  
 • Receive applications, evaluate and recommend the award of permits and rights  
 • Review, evaluate and recommend approval of EMPs  
 • Monitor compliance of licence conditions  
 • Maintain and add value to the national petroleum exploration and production database  
 • Acquire reconnaissance data  
 • Collect all prescribed fees  
**Permits and rights**  
 The above Act defines the following permits and rights:  
 • Reconnaissance Permit - 12 months, non-exclusive  
 • Technical Cooperation Permit - 12 months, exclusive desk-top study, exclusive right to apply for Exploration Right  
 • Exploration Right - exclusive, transferable, 3 years, renewable for a maximum of 3 periods of 2 years each  
 • Production Right - exclusive, transferable, 30 years, renewable

**PANDE & TEMANE GAS FIELDS**  
 Combined reserves in excess of 5.5 Tcf.  
 Now operated by Sasol/ENH partnership.

ONSHORE RIGHTS			ONSHORE APPLICATIONS		
REF NUM	TYPE	CLIENT NAME	REF NUM	TYPE	CLIENT NAME
12/2/209	TCP	Bulwark Oil & Gas	12/2/234	TCP	Rhino Oil
12/2/210	TCP	Bulwark Oil & Gas	12/2/238	TCP	Solium Energy
12/2/211	TCP	Bulwark Oil & Gas	12/2/239	TCP	Solium Energy
12/2/213	TCP	Bulwark Oil & Gas	12/2/248	TCP	Serpentine Energy
12/2/214	TCP	Bulwark Oil & Gas	12/2/249	TCP	H2Au Ltd
12/2/215	TCP	Bulwark Oil & Gas	12/2/250	TCP	H2Au Ltd
12/2/217	TCP	Bulwark Oil & Gas	12/2/251	TCP	H2Au Ltd
12/2/240	TCP	Motuoane Energy	12/3/253	TCP	Oakleaf Energy
12/2/241	TCP	Horomela Hole	12/3/254	TCP	Oakleaf Energy
12/2/243	TCP	Africa Geodata	12/3/255	TCP	Jacana Energy
12/2/244	TCP	Africa Geodata	12/3/256	TCP	Jacana Energy
12/2/245	TCP	Africa Geodata	12/3/257	TCP	Booi Brothers
12/2/246	TCP	Africa Geodata	12/3/258	TCP	Motuoane Energy
12/2/247	TCP	Africa Geodata	12/3/259	TCP	Motuoane Energy
12/3/002/1C	ER	Thungela Operations	12/3/260	TCP	Motuoane Energy
12/3/270	ER	Afro Energy (Pty) Ltd	12/3/031/1A	ER	Tetra4 (Pty) Ltd
12/3/271	ER	Afro Energy (Pty) Ltd	12/3/202	ER	Bundu Gas and Oil
12/3/272	ER	Afro Energy (Pty) Ltd	12/3/208	ER	Falcon Oil and Gas
12/3/315/1B	ER	Motuoane Energy	12/3/214/1A	ER	Gold One Africa
12/3/318/1A	ER	Rhino Oil	12/3/262/1C	ER	Booi Brothers
12/3/370	ER	Karabelo Energy	12/3/288/1A	ER	Twala Mnyamonde
12/3/373	ER	Imbokodo	12/3/294/1A	ER	Rhino Oil
12/3/374	ER	Imbokodo	12/3/345	ER	Crowne Royale Energy
12/3/364	ER	Gondwana Energy	12/3/350	ER	Rhino Oil
12/3/365	ER	Gondwana Energy	12/3/367	ER	Bostion
12/4/007	PR	Tetra4 (Pty) Ltd	12/3/368	ER	Bostion
			12/3/369	ER	Bostion
			12/3/376	ER	Panoro2B
			12/3/377	ER	Rhino Oil and Gas
			12/3/378	ER	Rhino Oil and Gas
			12/3/379	ER	Rhino Oil and Gas
			12/3/381	ER	Plateau Helium SA
			12/3/382	ER	Plateau Helium SA
			12/3/383	ER	Afro Energy
			12/3/384	ER	Consulting Eva Mining
			12/3/385	ER	Legacy Box Consulting
			12/3/386	ER	Motuoane Energy

**KUDU GAS FIELD**  
 BW Kudu (56%) Namcor (44%)  
 Discovered in 1974 by a Chevron / Regent /Soekor consortium. The reservoir comprises Barremian (Early Cretaceous) aeolian sandstones with average porosities up to 22% at 4400m.

**SUNBIRD (Operator) (76%) PETROSA (24%)** 003PR  
**PETROSA (100%)** 248ER  
**SHELL (40.5%) QATAR (40.5%)** 274ER  
**OMBONO (10%) OK ENERGY (9%)**  
**IBHUBESI GAS FIELD**  
 Ibhubesi gas field comprises fluvial type channels and lobes of Albian to early Cretaceous age. Currently, this production right is under a Gas Market Development Plan with an Integrated Field Development Plan (IFP) ongoing.  
**SUNGU-SUNGU Petroleum (100%)**  
 Reprocessed 2D seismic data. Currently 223ER evaluating prospectivity in the drift sequence

**TotalEnergies (23%) Qatar Energy (24%) Petrocure (19.75%) Africa Oil (17%) Azimam (6.25%)**  
**TotalEnergies (50%) Sezigym (20%) Qatar Petroleum (30%)**  
**TotalEnergies (48.61%) Impact Africa (22.22%) Qatar Petroleum (29.17%)**  
**TotalEnergies (40%) Shell (40%) PetroSA (20%)** 224ER  
**TotalEnergies (Operator) (40%) Shell (40%) PetroSA (20%)**  
 Interpretation of the recently 224ER acquired 3D seismic data is ongoing. Several prospective areas have been identified in the drift sequences

**E-CE GAS FIELD (PetroSA 100%)**  
 Originally the Sable oil field, gas is now being produced from this Aptian age deep marine channel sandstone reservoir to supplement the Mossel Bay plant.  
**PETROSA - BLOCK 11a** 061ER  
 Early Cretaceous shallow marine gas fields currently under appraisal.  
**F-A GAS FIELD & SATELLITES (PetroSA 100%)**  
 Currently producing from Early Cretaceous shallow marine sandstone reservoirs. Separate 91km pipelines convey gas and condensate to the PetroSA GTL synfuels refinery at Mossel Bay where petrol, diesel, kerosene, etc are produced. F-O Field, 4 wells drilled and currently 2 producing.

**ORIBI/ORXY OIL FIELD (PetroSA 100%)**  
 Submarine fan deposits of Albian (Early Cretaceous) age. Currently not in production.  
**PETROSA BLOCK 9**  
 Ongoing exploration and appraisal of oil and gas discoveries.

**ONSHORE / OFFSHORE KEY**

- PETROLEUM EXPLORATION WELL
- OIL SHOWS
- COAL FIRED POWER STATION
- GAS TURBINE POWER STATION
- POSSIBLE FUTURE GAS PIPELINE
- SEISMIC LINES
- KOEBERG NUCLEAR POWER PLANT
- COAL FIELD
- ONSHORE OPEN ACREAGE
- OFFSHORE OPEN ACREAGE
- AREAS UNDER APPLICATION
- TECHNICAL COOPERATION PERMIT
- EXPLORATION RIGHT
- PRODUCTION RIGHT
- MINING LEASE (OIL) - Block 9
- MINING LEASE (GAS) - Block 9

