

7 *PUBLIC PARTICIPATION PROCESS REPORT: INPUT TO THE ENVIRONMENTAL MANAGEMENT PROGRAMME ORANGE BASIN DEEP WATER LICENSE AREA*

7.1 *EXECUTIVE SUMMARY*

Between May 24th and May 27th 2010 Shell South Africa Upstream B.V. conducted Public Participation with respect to the Environmental Management Programme for the Orange Basin deep water license area. Public consultations were arranged at central locations in Cape Town, Saldanha, Lamberts Bay, Springbok and Port Nolloth.

The objective was to raise awareness of Shell's interest in the area, the effects of potential operations on the area and what opportunities might arise from them, and ensure that a broad set of stakeholders from across the west coast were given the opportunity to provide input to the process. Prior to the consultations, and in order to attract the public, English and Afrikaans advertisements were placed in regional and local newspapers and on radio stations that service the region.

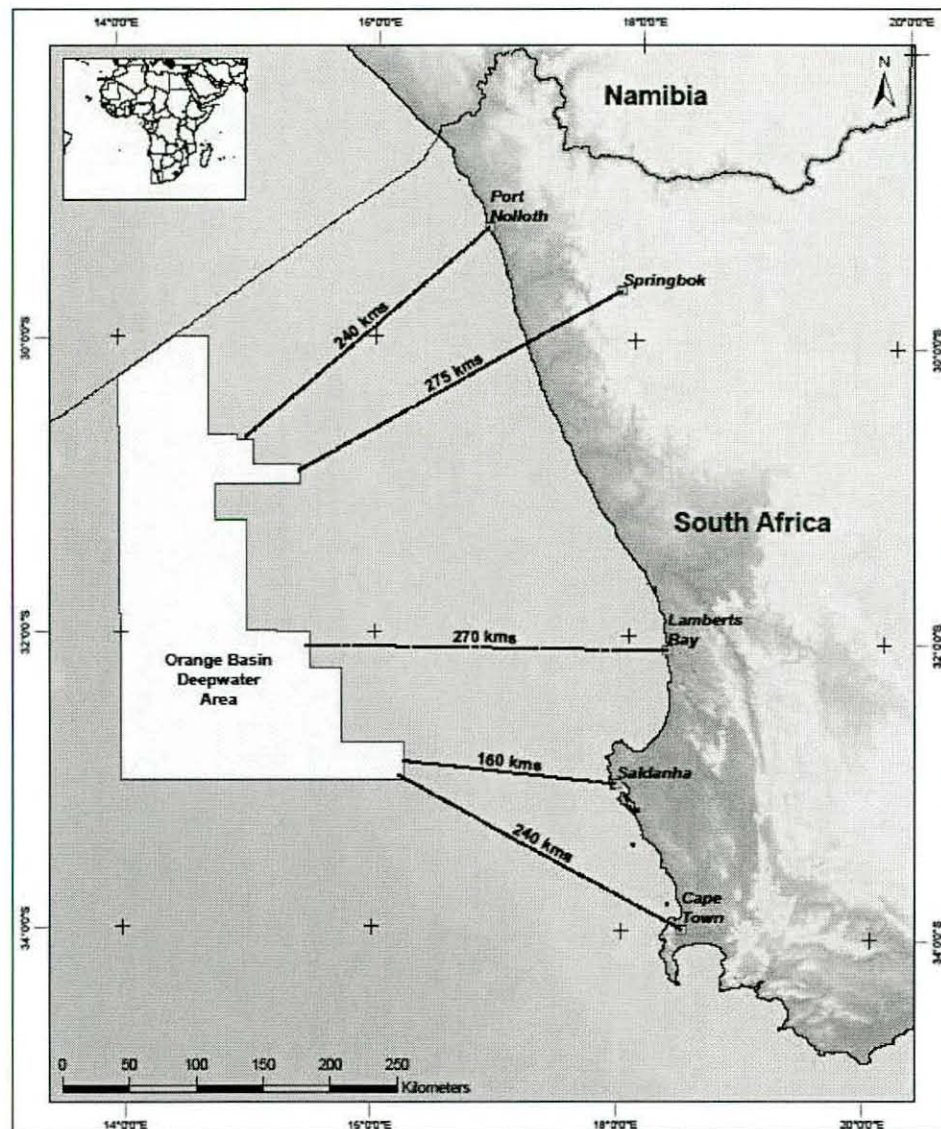
In addition, Shell pro-actively contacted key stakeholders, including provincial and municipal politicians, municipal managers, business executives, chambers of commerce, tourist boards and stakeholders active in offshore activities in the area. The consultations attracted a total of 184 persons. Issues raised were around opportunity, impact and response: Job and business opportunities during a potential development; potential impact of a potential oil spill to fishing and tourism; response to local and regional needs and concerns.

7.2 *INTRODUCTION*

Between May 24th and May 27th 2010 Shell South Africa Upstream B.V. conducted Public Participation with respect to the Environmental Management Programme for the Orange Basin deep water license area (see *Figure 7.1*). Public consultations were arranged at central locations in Cape Town, Saldanha, Lamberts Bay, Springbok and Port Nolloth. This Public Participation Process Report outlines the following:

- The objectives of the public participation process
- The stakeholders;
- The activities undertaken;
- The issues raised; and
- The next steps in the process.

Figure 7.1 Map of the Orange Basin Deep Water License Area



Coordinate Reference System
WGS84 UTM Zone 33S

7.3

THE OBJECTIVES OF THE PUBLIC PARTICIPATION PROCESS

The objectives of the public participation included the following:

- Conduct public participation in compliance with regulations;
- Ensure that stakeholders are well informed about the proposed exploration activities;
- Provide adequate opportunities for interested parties to engage to comment on the proposals;

- Provide stakeholders with an opportunity to raise concerns and views and through that influence future project decisions.

7.4

THE STAKEHOLDERS

A desk top study of the geology in the Orange Basin deep water license area will not involve any operations in the field and will not significantly affect the public. However, Shell believes that regulators, administrators and the communities along the West Coast should be:

- Aware of the proposed activities and be given the opportunity to seek further information and clarification;
- Aware of the scale of any impacts or opportunities that the activities may offer;
- Aware of limitations and the possibility of success; and
- Given the opportunity to comment and contribute to project planning.

The intention of the participation process was therefore to provide information and a forum in which stakeholders from across the west coast could provide input to the process.

Members of the public were invited to receive information about Shell's plans in the license area through English and Afrikaans advertisements placed in regional and local newspapers and radio stations that service the west coast. In addition, Shell pro-actively invited the following stakeholders:

- Mr A Winde, Minister of Finance, Economic Development & Tourism, WC Prov. Govt.
- Mr S Fourie, Dep. of Economic Development & Tourism, WC Prov. Govt.
- Mr N Gwynne-Evans, Dep. of Economic Development & Tourism, WC Prov. Govt.
- Mr H Jonker, Dep. of Economic Development & Tourism, WC Prov. Govt.
- Mr G Oelofse, Enviro Strat Mgr, City of CPT
- Ms B Jack, Pub Participation, WC Prov. Govt.
- Mr A Schuitmaker, CEO, CT CoBus
- Mr M Sands, Oceana Group
- Mr M Copland, Oceana Group
- Mr D Gretton, Mayoral Committee, Econ Dev, CPT
- Mr A Osman, Mayoral Committee – Econ Dev, CPT
- Ms M Ranzoszek – Pioneer Resources GM
- Mr R MacLagan, SterCorp Developments
- Mr F. Mbanze, Executive Deputy Mayor, Saldanha
- Ms A Murray, CEO, WCBDC
- Ms E Boltman, Bus Advisor, WCBDC
- Mr G van Zyl, Ops Mgr, WCBDC
- Mr W van der Merwe, Reg Mgr, Bidfreight Port Ops
- Mr F Wright, Terminal Mgr, Bidfreight
- Mr E Kearns, Port Mgr, Transnet

- Mr M Malan, BEE Manager, Exxaro
- Ms N Skweyiya, Transformation Mgr, Arcelormittal
- Mr A Camp, Safety Advisor, Duferco Steel
- Mr I Lee, MD, Ivon Lee & Associates
- Mr N Strydom, Eng & Projects Mgr, Transnet
- Mr L Mtungwa, Procurement Mgr, Transnet
- Mr C Ntanda, HR Mgr, Transnet
- Mr E Lesch, Enterprise Dev Mgr, Econ Dev & Tourism, Saldanha
- Ms E Potgieter, Business Woman, S/Bay CoC
- Mr M Madangatya, CEO, Khula-Khula Enterprise
- Mr K van Rensburg, Prod Mgr, Duferco Steel
- Ms Elmien de Bruyn, Duferco Steel Processing
- Brig Gen Yam, SA Petroleum Agency
- Mr J voster, PPC Saldanha
- Mr G Marshall, Sea Harvest
- Mr A Castle, Sea Harvest
- Mr P Power, GAC Shipping (SA) (Pty) Limited
- Mr H Fatuse, Elukhuselweni Trading
- Ms P Horne, Cederberg Municipality
- Mr M Fortuin, Manager Lamberts Bay Foods
- Mr Matthyse, Municipal Manager Lamberts Bay
- Mr I Groenewald, Head Econ Dev, Namaqva municipality
- Mr L Ambrosini, PN Mayor, Port Nolloth
- Mr A de Wet, Mayor's Office, Poth Nolloth

A complete list of visitors to the consultations can be found in *Annex A*.

7.5

ACTIVITIES UNDERTAKEN

Advertisements were placed in regional and local newspapers and radio stations:

Newspapers:

- Cape Times: Thursday 20 and Friday 21 May
- Daily Argus: Friday 21 May
- Weekend Argus: Saturday/Sunday 22/23 May
- Die Burger: Friday 21 May
- Burger Sat: Saturday 22 May
- Weslander: Thursday 20 May
- Die Plattelander: Friday 21 May
- Ons Kontrei: Friday 21 May

Radio:

- Radio West Coast: Two spots Friday 21 May, two spots Monday 24 May and two spots Tuesday 25 May
- Cape Talk: Four spots Friday 21 May and one spot Monday 24 May

- Namamqua FM: two spots Tuesday 25 May, two spots Wednesday 26 May and one spot Thursday 27 May

The consultations took the form of informal poster presentations (see *Annex B*) covering:

- About Royal Dutch Shell
- Shell in South Africa
- The Orange Basin Deepwater License Area
- Exploration programme overview
- Seismic surveys
- Exploration drilling
- Deepwater exploration and production
- Our approach to safety
- Our approach to sustainable development
- Environmental impact assessment

Visitors could come and go at their own convenience. Three Shell representatives were available to talk through the posters, respond directly to any questions and note any concerns and contributions.

The consultations took place at the following locations:

- Cape Town: 24th May, 9am – 4pm, The Pavilion Conference Centre
- Saldanha: 25th May, 9am – 12pm, Protea Hotel Saldanha
- Lamberts Bay: 25th May, 4pm – 7pm, Lamberts Bay Hotel
- Springbok: 26th May, 1pm – 6pm, Springbok Hotel
- Port Nolloth: 27th May, 10am – 1pm, Scotia Inn Hotel

A total of 184 stakeholders attended the consultations, which received press coverage in local and regional media.

In addition to these public engagement activities, Shell offered to meet with several key stakeholders to provide clarification and to discuss any concerns or issues they might have. Most stakeholders thus approached indicated that they would attend the public consultations. We did however have separate meetings with the following:

- Mr A Winde, Minister of Finance, Economic Development & Tourism, WC Prov. Govt.
- Mr S Fourie, Dep. of Economic Development & Tourism, WC Prov. Govt.
- Mr N Gwynne-Evans, Dep. of Economic Development & Tourism, WC Prov. Govt.
- Mr H Jonker, Dep. of Economic Development & Tourism, WC Prov. Govt.
- Mr F. Mbanze, Executive Deputy Mayor, Saldanha
- Mr Matthyse, Municipal Manager, Lamberts Bay

Stakeholders were asked to submit comments or feedback by the use of feedback forms at the consultations. All comments and feedback have been recorded and captured. These are available in *Annex C*.

The majority of the comments from authorities, businesses and the wider population were positive. However, issues that were raised centred around opportunities, impacts and response and included the following:

Opportunities

- Several queries were related to opportunities for employment and for opportunities for local businesses during potential development of oil or gas finds.
- There were concerns as to whether a development would benefit the population in the region.

Impact

- Concerns raised related to consequences of a potential oil spill particularly with regard to the fishing and tourism industries.
- Several comments were made relating to tourism and the importance of ensuring that the activities are not in conflict with efforts to attract tourists to the area.

Response

- Concerns that the public consultation would be a one-time engagement and that Shell will not keep local stakeholders updated about progress.
- Concerns Shell will not be able to meet expectations with regard to opportunities for job creation and opportunities for local business.

7.6.2

Answer to General Questions Raised at the Consultation

Q: How do we as locals benefit from your operations?

A: Over the next two-three years, we will carry out desktop studies only. This means that we will study the geological structures in the Orange Basin to determine whether there are oil- or gas reservoirs in the geological structures worth exploring. The desktop studies will be done using already available geological and seismic data. As seismic exploration is usually conducted by overseas crew and specialists aboard a contracted survey vessel, it is unlikely that the seismic surveys would themselves have any direct economic benefit, although local chase boats and onboard observers may be used. However, should such exploration identify viable hydrocarbon reserves, this could result in an oil and/or gas production project with associated demand for local materials and possibly labour as well as the generation of tax revenues.

Q: When will you start drilling?

A: It is too early to say when and if any drilling activity will take place. This will be determined by the outcome of the desktop study we are currently undertaking. If we find reason to believe there are reservoirs worth exploring, exploration drilling might be next step.

Q: Is there a risk for incidents like the one we have seen in the Gulf of Mexico with impact to wildlife, tourism and industry?

A: Safety is, has been and forever will be our number one priority. We take all the precautions available to ensure that incidents such as this do not occur. Once a determination as to the cause of the event in the Gulf of Mexico is known, it will assist the industry in preventing a similar occurrence in the future. We will, of course, review information from the investigation of this incident and incorporate relevant insights and learning's into our guidelines and standards.

Q: How would a potential exploration and later production impact the local community?

A: For the exploration phase: See answer to Q1. In the event that we are applying for production rights: If the exploration is successful and a decision is made to consider development with intention to produce, there could be a positive impact to both local communities and the rest of South Africa. It is however too early to say how as this will depend on development options.

Q: Will there be opportunity for local job creation?

A: Job opportunities associated with prospect well drilling operations are limited, as such surveys are typically of relatively short duration and the crew are usually foreign specialists who are specially trained. Limited work opportunities may become available for local specialists, artisans, catering staff and labourers with prior experience of an oil rig. A significant benefit of prospecting activities is the payment by each Exploration Right Holder towards an Upstream Training Trust. Payments by each company amount to US \$150,000 per year. The funds are directed to up-grading teaching and to providing support to previously disadvantaged students at tertiary education institutions.

Q: When undertaking seismic exploration, will the fishery be affected?

A: It is anticipated that the impact on commercial fish catches would be of a temporary short duration. Adequate notification must be undertaken to ensure that other users of the sea, including the fishing and shipping industries, are aware of survey operations. With mitigation the impact on commercial fish catches would be low. Seismic survey operators are required to consult intensively with fishing operators and to put in place a process of informing fishing skippers in advance of areas to be surveyed, with a request to remove unattended fishing gear. Operators are also required to make use of a chase boat to check areas in advance of surveying, in an attempt to detect unattended fishing gear in advance.

Q: How will the seismic activity impact marine mammals?

A: Seismic operations using airguns can impact marine mammals in two basic ways: 1) by bothering them with the sound created by the airguns and causing

them to change their behaviour, and 2) by increasing the opportunity for vessel-strikes due to an increase of ships on the water due to our activities (? Normally 2-3 vessels, is this really a significant increase given all other ship movements?). We try to minimize the level of both of these risks to the animals through operational mitigations that take into account the particular sensitivities of the species, as well as the nature and scope of the planned operation. Mitigation measures can include the use of marine mammal observers that stop airgun activity if a marine mammal is spotted too close to the vessel within a predefined "exclusion zone", visually clearing the exclusion zone and then "ramping up" seismic equipment – basically increasing the number of airguns firing – so that animals are not surprised or startled.

There is no scientific evidence that airguns have ever resulted in whale stranding or mortality. Popular speculation around two recent stranding incidents, one off Brazil and one in the Gulf of California (early 2000s), was discredited after thorough scientific review. We do take the concern very seriously and continue to fund significant research programs to investigate exploration and production sound and marine life in collaboration with academic scientists and international regulators to make sure we continue to use the best available science to guide our actions.

Q: Why do you need to explore for more oil and gas when there are renewable alternatives?

A: Even if we made a discovery in the Orange Basin, supplies of easily accessible oil and natural gas are unlikely to keep up with demand after 2015. The world will have to use energy more efficiently and also increase its use of other sources of energy. This means more renewables like solar, wind and biofuels, more nuclear energy, more coal, and more oil and natural gas.

Q: What kind of oil spill response will be put in place?

A: Shell's Oil Spill Response Procedures specify the actions that are to be taken in the event of an offshore spill. Shell's responses will depend on the size and circumstances of the spill and the resources needed to minimize its effects. For the most minor spill, the minimum action taken will be to report to the authorities according to the legal requirement. For a major spill, an Oil Spill Response Team comprising trained personnel will be convened. The response options available normally include: Leave the oil to disperse naturally, treat with chemical dispersant, recover oil using booms and skimmers if conditions permit, on-site surveillance of the spill, notification of the authorities, mobilisation of response team, modelling of the spill trajectory, mobilisation of the required resources and communication with the authorities. Oil spill response equipment would be made available at suitable onshore location.

7.7

NEXT STEPS IN THE PROCESS

Once PASA has made a decision as to award an exploration permit, Shell will seek to inform all stakeholders by use of local and regional media. Prior to

finalizing any plans for field activities, Shell will consult with stakeholders in the region.

Annex A

Register from Consultations

CAPE TOWN				
NO	NAME AND SURNAME	CONTACT NUMBERS	COMPANY/ORGANISATION	SIGNATURE
1.	MARK WATSON	+27 76 941 9588 / +27 21 5512803	HARRIS PYE SOUTH AFRICA	
2.	JOHANNAS SCHUDDE	+27 621 4181890 / +27 795 221 222	DET NORSKE VERITAS SA	
3.	Gareth Ocrofse	021 487 2239	CITY OF CAPE TOWN	
4.	ROSS MCLAGAN	021 447 4601 / 0836823454	SCD	
5.	ANSELIN FROEDIGUS	021 4014140	FOREST EXPLORATION	
6.	DANN GRETTEN	021 400 1219	CITY OF CAPE TOWN	
7.	Olivier Römmer	021 5587 304	Alyda Oil.	
8.	L. Oerhulser	076 243 3001	Banman Gillfillan	
9.	M. Rodgers	080 407 1370	Banman Gillfillan	
10.	E. Fourie	072 593 9909	Synergy Freight	
11.	M.J. COPELAND	082 572 1852	OCEANIC Global	
12.	M.J. SANDS	082 775 2915	Blue Contined Products	
13.	R. Logsdale		DEPT	
14.	D. SHAM	082 419 3497	EY	
15.	P. JOUBERT	082 616 3003	SAMSON CONTROLS	
16.	MVAN EYSSON	082 924 4655	GAC WDER	
17.	MAREK RYANOSZEK	021 425 5012	PIONEER NATURAL RESOURCES	
18.	Paul Ram	021 552 9807	Air-Telc. Unit INSPECTION	
19.	KENNETH McNEILL	021 418 0353	MECS AFRICA	
20.	AZEEM PARKER	083 784 2209 / 021 591 7694	GEOSPATIAL SURVEYS	
21.	Bill Morris	074 103 8849	Winlands Experience	
22.	Mary Morris	" "	" "	
23.	NEVILLE EPARAM	0798908272	Ignis	
24.	Romanus Sepp	079 504 8427	Schlumberger	
25.	De Blouet Meeh		"	
26.	GIAMPICIANO Yeph		UCT	
27.	INQABO BULWA			
28.	H. VAN DER MERWE	021 421 5268	Private Practice	
29.	TOMAS ERBINSON	021 - 407 - 4300	Chamber of Commerce	
30.	P. WÜRGENAR	021 9590797	PRIVATE	

CAPE TOWN				
NO	NAME AND SURNAME	CONTACT NUMBERS	COMPANY/ORGANISATION	SIGNATURE
31.	Buyiswa Jack	0822947931	Local Government W.C.	[Signature]
32.	Francis Williams	0216062828	Sake24 - Media	[Signature]
33.	Nomkhona Mbe	0896994408	EMIT AMANDA MARINE	[Signature]
34.	Gregorio Corcoran	0215118030	HSE Supplies	[Signature]
35.	CHRIS HUNTER	0215118030	HSE Supplies	[Signature]
36.	Howard Routledge	0847571220	SUPPLYSCOPE	[Signature]
37.	Phillip STELLING	0732474949	NT	[Signature]
38.	Sumaya Arendse	0823348182	PetroSA	[Signature]
39.	HERWIG GARD	0790341968	SPDC ALPINE	[Signature]
40.	SHAOI GARD	0790341968	"	[Signature]
41.	RONALD FAUL	0833257166	EXPRO GULF	[Signature]
42.	DAVID GRANT	"	"	[Signature]
43.	Herman Joubert	0214839883	Prov. Govt. Western Cape	[Signature]
44.	Sibusiso Noyati	5897	"	[Signature]
45.	Claude Orgil	9337	"	[Signature]
46.	Nigel Guyne Evans	5536	"	[Signature]
47.	Nomthi Gumede	0214213512	MBC	[Signature]
48.	STEVE HAMBAL	021251711	SOGAA	[Signature]
49.	ANDY DAVID KAWALSKY	082-562-0704	practising Advocate	[Signature]
50.	RICHARD WEEGENER	082-3176532	ALGOA PROJECT SERVICES	[Signature]
51.	TONY PRESS	082-5607920	"	[Signature]
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SALDANHA BAY

NO	NAME AND SURNAME	CONTACT NUMBERS	COMPANY/ORGANISATION	SIGNATURE
1.	JOHN DE VILLIERS	022 7361100	WEST POINT PROCESSORS	
2.	KOBUS VAN RENSBURG	022 7097012	WIERCO STEEL PROCESSING	
3.	PATRICK POWER	022 7720030	CAC SHIPPING SA	
4.	REINET VAN ZYL	083 260 2732	ARCELOMITTAL	
5.	K. HEESLE	083 304 0082	-	
6.	Elmies de Bruyn	083 308 5938	Duraco Steel Processing	
7.	P. D. R. S.	082 8 700 5 28	DURACO STEEL	
8.	PETRO SWARTZ	0736635263/0227134753	WEST COAST LAMONEN IN Construction	
9.	FRANS WILKENS	022-7152753	WEST COAST ATLANTIC SECURITY	
10.	KANK SWARTZ	022-7134753	WEST COASTS ATLANTIC SEC.	
11.	F.F.B. M'BANJE	08723078415/0227017099	Saldanha Bay Municipality	
12.	Leden Mlungu	022 703 4460	Transnet Port Terminals	
13.	GREG MARSHALL	082 5619604	SEA HARVEST	
14.	Jenny v Tonder	084 400 4698	Saldanha Artisan Resources	
15.	GUYSON RODGERS	0786744522	AIRCAN RESOURCES	
16.	Eugene Klemp	0832847197	National Parks Authority	
17.	Tony Van Boom	0825562135	Oceana Brands Stellenbosch	
18.	BRIG GEN LINDIKE YAM	0783346134 010227023000	SA MILITARY ACADEMY	
19.	Wikus Old Merwe	0828728189/022-7140212	Roadfreight Port Operations	
20.	Freddie Wrijnt.	022-7140212	Roadfreight Port Operations	
21.	John Brits	022-7144560 083380261	WESTERCO ENGINEERING	
22.	ABHINAV MURRY	022.7141731 0820912322	West Coast Business Development	
23.	Yvonne Wright	022 7140614 082 555 4150	Project Maritime Tm	
24.	EMA FORGIETER	0227140769 0826885283	Saldanha Baii Sakelamer	
25.	Anthony Castle	0827778642	SEA HARVEST	
26.	Kathie Kluge	0834504541	Dealmore Properties	
27.	Sudy Duncan	022 7122283	Blouin & Smit Attorneys	
28.	PATTY DUNCAN	0823218349 (W) 021-4033167	PARLIAMENT	
29.	JOHNNY VANDEN BERG	083 6636036 022-7141735	JAD Subs & Services	
30.	Gert van Dyk	0828988833 0227141731	West Coast Business Dev Centre	

SALDANHA BAY

NO	NAME AND SURNAME	CONTACT NUMBERS	COMPANY/ORGANISATION	SIGNATURE
31.	ELIZABETH BOLTMAN	022 714 1731	WCBDC	
32.	Alistair FERGUSON	022-715 437	PRC CEMENT *	
33.	SHANG Coedon	022-7017000	SALDANHA MUNICIPALITY	
34.	HENDRIK PATRICK	072 995 4878	ELUKHRELETHI TRAINING	
35.	RAPHAEL LAWRENCE	0710175353 / 022 714 0888	WEST COAST ENERGY	
36.	GRAEME CLEMITSON	072 869 4520	SALDANHA FREIGHT SERVICES	
37.	JOSEPH JULIE	0711 023009	Mandaw Holdings @ SERVICES.	
38.	Amatjie Pretorius	083 302 2803	Actech Industries	
39.	Nick Stasser	082 381 0261	MCCWE	
40.	OCKE STANDEL	083 565 1786	ACTECH "	
41.	ROBERT KURAND	0710661649	HFD TRAINING	
42.	Helene Meissenheimer	022 713 1251	Westmo Media	
43.	RYAN RAFFHA	078 2555 79	MARTIN 369 CC	
44.	ARMORE LORDES	073 827209	MILESTONE	
45.	ARMORE LORDES	084 792 1650	LAND OWNER	
46.	STONE MEYER	083 462 5678	VDM TRANSPORT	
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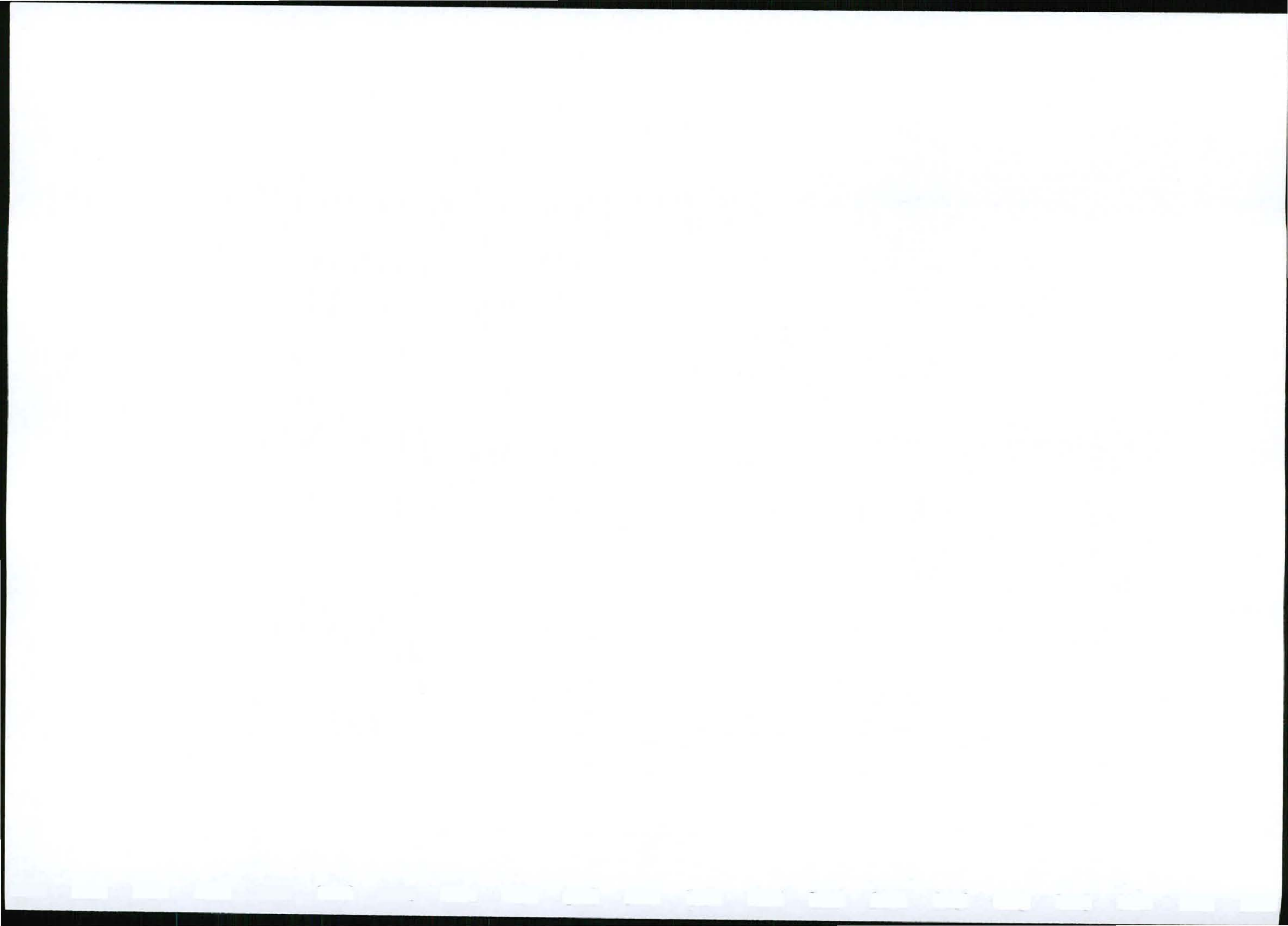
LAMBERT'S BAY				
NO	NAME AND SURNAME	CONTACT NUMBERS	COMPANY/ORGANISATION	SIGNATURE
1.	Hilda - Ester Job	0193422054	Cederberg Bowers	Hester Job
2.	Cecil SODAWAY	0712822055	Dept of Cultural Affairs	Cecil Sodaway
3.	Lionel S. Clapham	0838603799	Mats & Mats	Lionel Clapham
4.	MICHAEL MATHE	0781620745	ANC	Michael Mathe
5.	PATRICK SCHACK	0785022088	Ced. S.T.P.	Patrick Schack
6.	MARY VAUGHAN	0799702194	Dommedoves Cop.	Mary Vaughan
7.	MORRIS JORDAN	0827799904	LAMBERT'S BAY FOODS	Morris Jordan
8.	ANTHONY ANDREWS	0927304534	C M	Anthony Andrews
9.	ANTON FERREIRA	0214881750	SUNDAY TIMES	Anton Ferreira
10.	PHILIP PAULSEN	0733528377	E/Bay Communic	Philip Paulsen
11.	Marcelle Dreyer	0823356437	Lambert's Bay Hotel/Tourism	Marcelle Dreyer
12.	Susan Nortje	0746416704	LAMBERT'S BAY TOURISM	Susan Nortje
13.	Francois Strauss	0829370348	Lambert's Bay Business	Francois Strauss
14.	Lee Ludtitt	0727313817	CT B. LIVE ENTERTAINMENT	Lee Ludtitt
15.	Sanja Esterhuysen	027-4322501	L/Bay Tourism	Sanja Esterhuysen
16.	Margaret v. Zyl	0737283818	L/Bay TOURISM	Margaret v. Zyl
17.	Hendrien Lotw	0824471588	L/Bay TOURISM	Hendrien Lotw
18.	WISLAWA BIRKICKI	0836706371	L/Bay TOURISM	Wislaw Birkicki
19.	A.J. HEATH	0725901431	L/Bay MHN	A.J. Heath
20.	Anna SAAL	0839804026	L/Bay Island Restaurant	Anna Saal
21.	GERHARD KAMPER	0789910438	ANC	Gerhard Kamper
22.	ALFREDO CERES	0839771990	ANC	Alfredo Ceres
23.	LESLIE ZANSMAN	0827429495	ANC Young	Leslie Zansman
24.	DICK BLIFANT	08236129853	S.T.P.	Dick Blifant
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NO	NAME AND SURNAME	CONTACT NUMBERS	COMPANY/ORGANISATION	SIGNATURE
1.	Fiaan Cloete	021-7183003/013 8653125	Customs Clearing Specialists S.A	[Signature]
2.				
3.	Ben Stone	0277122111 / 0829291361	ABCO ENGINEERING	[Signature]
4.	WIMMY SPASSAUS	0824415990	DEPT. MINERAL RESOURCES	[Signature]
5.	BERTUS ISAKS	0828034600	IMDSA	[Signature]
6.	CG van Wyk	083 313 6456	GIBEL	[Signature]
7.	Brekl Nacoba	027-712 3252	International Mining & Trading SA	[Signature]
8.	Chrisware Brand	021 712 3252	IMDSA	[Signature]
9.	Cibela van Wyk	021-7182988	CIBEL CC	[Signature]
10.	J.C. Cloete	021-7122857	CARICP	[Signature]
11.	P. Dewet	021 8312640	RICHTERSVELD GEMSAF	[Signature]
12.	M. Coetzee	0277122111 - 0832691650	ABCO Engineering	[Signature]
13.	ERNSI GRASSER	0277123194 - 084 7512068	E. GRASSER Copper Company (Pty) Ltd	[Signature]
14.	GERT STONE	0836602611	SEA PROPERTIES BROKERS	[Signature]
15.	EDDIE JULIUS	0767318731	DEPT. ECONOMIC DEVELOPMENT	[Signature]
16.	James Stone	0836259053	Springdale Lake Kamaaf	[Signature]
17.	Dwight RICHARDS	073 445 4408	FOSA PIPING	[Signature]
18.	OTHEL CARLSON	0734201795	FOSA PIPING	[Signature]
19.	HERMAN HOVING	0825944594	BOTES & KENNEDY MANTANO (PTY) LTD	[Signature]
20.	Jimo Swartbooi	0718252750	PyPfontein ICC	[Signature]
21.	Martin van Wyk	0766137418	PyPfontein ICC	[Signature]
22.	TREXOR MARKUS	0760766912	FOSA PIPING	[Signature]
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PORT NOLLOTH

NO	NAME AND SURNAME	CONTACT NUMBERS	COMPANY/ORGANISATION	SIGNATURE
31.	Mervin Bock	027 851 1111	Dept. Co-operative Gov. Traditional Affairs	[Signature]
32.	KATRINA LAETS	0848885195	Wijk Komitee Wijk 4	[Signature]
33.	JEFF VAN NEEB	073472 5096	School Governing Body	[Signature]
34.	Z. Ambrosini	027 851 1111	Richtsveld Municipality	[Signature]
35.	A. de Wet	027 851 1116	Richtsveld Municipality	[Signature]
36.	J. [unclear]	0839707101	Port Lobster	[Signature]
37.	J. KALBOEL	0833247134	Fishing Industry	[Signature]
38.	B. Cloete	0827233715	P.N. Community	[Signature]
39.	IVAN NEEL		P.N. LOBSTER	[Signature]
40.	D. BERTONI	0715093538	P.N. LOBSTER	[Signature]
41.	Seemingsuis	0273438225	COASTALING	[Signature]
42.	* Hk. Paul	0273915981	TOURISM PROMOTING	[Signature]
43.	William	0766829460	[unclear]	[Signature]
44.	Rouchelle Cloete	0731276159	La Rouchelle Hairdressing	[Signature]
45.	Colin Cooper	0278518701	INSHORE MINING	[Signature]
46.	A.O. LIKENA	0737172995		[Signature]
47.	T.C. Koordom	0278518900		[Signature]
48.	E. Whitlow	0763121650	P.N. COMMUNITY	[Signature]
49.	E. Rindler	0834796520		[Signature]
50.	P. Cloete	0785958151		[Signature]
51.	M. Cloete	0789610699	Melkote N. VILLE R. N	[Signature]
52.	A. van [unclear]		N. VILLE	[Signature]
53.	S. Augustus		N. VILLE P. 14	[Signature]
54.	Lydia HENBRIKSE		N.V. P.N.	[Signature]
55.	Samuel SWARTBOOI	0278517179	N.V. PH	[Signature]
56.	Megda Cloete	0780081874	HOOFWEG 1997	[Signature]
57.	W.J. LINKS	07827714812		[Signature]
58.	Sweetness BILLIE	0733065347	WORKING FOR THE COAST	[Signature]
59.	Christo Craim	0335513642	CVN	[Signature]
60.				

PORT NO. 104				
NO	NAME AND SURNAME	CONTACT NUMBERS	COMPANY/ORGANISATION	SIGNATURE
61.	Anton CARSTMAAN		SEA FARMS	[Signature]
62.	George Gouws		Sea Farms	[Signature]
63.	Cynthia Ntshona		-	[Signature]
64.	JAN W ENGELBRECHT	0766540719		[Signature]
65.	Stephen Molyes	073 291 2095	St. Athanasius J	[Signature]
66.	M. Ngoboo	0838008825		M. Ngoboo
67.	E. J. H. van der Merwe	075 7316 338		[Signature]
68.	H. S. W. G. R. E. Z.		NOORT KAAP.	[Signature]
69.	ANDRÉ VAN WYK	027 851 7232	JOHN. O. UENSTONE.	[Signature]
70.	Mervin Mankim	027 851 8480	Lewis	[Signature]
71.	Wimme Fred Montis	2921	St. James	[Signature]
72.	L. Coetzer		Visserrigers	[Signature]
73.	[Signature]			[Signature]
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Annex B

Poster Presentations

WELCOME

SHELL SOUTH AFRICA UPSTREAM B.V.

ORANGE BASIN DEEPWATER LICENCE AREA
PUBLIC CONSULTATION



EXPLORATION PROGRAMME OVERVIEW



The Exploration Work Programme will consist of a maximum of four phases. This is in compliance with the schedule defined by the Petroleum Authority of South Africa (PASA).

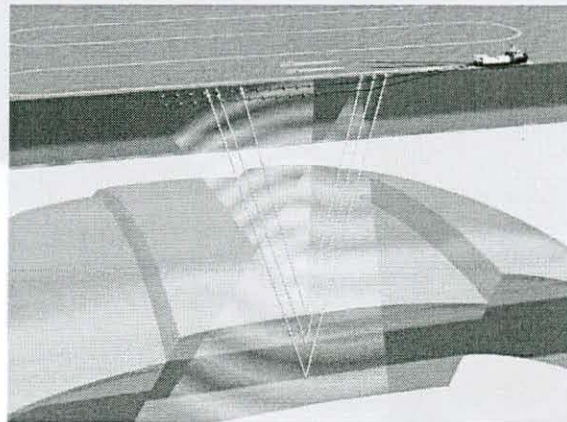
- During the initial phase (first three years), Shell will implement a "desk-top" evaluation programme to better assess the geology of the area.
- Conditional on results from the geological and geophysical studies, Shell may elect to enter the next phases of the programme which consists of acquiring data, using a range of different exploration techniques:
 - Seismic survey
 - Gravity-magnetic survey
 - Exploration drilling



SEISMIC SURVEYS



- Seismic surveys are carried out in the investigation of subsea geological formations.
- In the course of performing seismic surveys, high level, low frequency sounds are directed towards the seabed from near-surface sound sources that are towed by a vessel.
- Signals reflected from the geology below the sea floor are recorded by towed hydrophones. Analyses of the returned signals allow for interpretation of subsea geological formations.
- The seismic data is computer processed after being recorded by the hydrophone streamers.
- During surveying, vessels travel at a speed of four to six knots. The sound source is situated some 300 m behind the vessel at a depth of three to 20 m below the surface.
- A seismic vessel would typically be active for two to eight weeks during each campaign.



EXPLORATION DRILLING



Dependent on the results of the technical work carried out in the initial period, exploration drilling will be considered.

- Exploration drilling is undertaken to determine whether subsea geological structures, identified by seismic surveying, contain oil or gas.
- During drilling, the floating drill rig is held in position by a multi-point anchoring system.
- A well is drilled using on board equipment for hoisting pipes, pumps for circulating fluids, motors to rotate the pipe and generators to provide electrical power.
- After completion of exploration drilling operations, wells are sealed off with down-hole cement plugs. No metal is left on the sea floor.



SHELL IN SOUTH AFRICA



- Shell South Africa is part of the Royal Dutch Shell Group.
- The company began trading in South Africa in 1902, focusing on paraffin and kerosene.
- Shell operates a number of oil-related businesses in the local market, including fuel retailing, aviation, marine, commercial fuels and bitumen, and liquefied petroleum gas.
- Shell employs nearly 1,400 people in South Africa and operates about 750 retail service stations, with a market share of nearly 20%.
- The company refines product through the 180,000-barrels per day SAPREF refinery in Durban, a joint venture with BP.
- Shell is a signatory to the Petroleum and Liquid Fuels Industry Black Economic Empowerment (BEE) Charter of 2000. The charter seeks to increase the participation of previously disadvantaged people in the petroleum industry.
- Shell entered into various empowerment transactions with a local BEE partner as early as 1998.



OUR APPROACH TO SAFETY



- Safety is Shell's first priority. The company's commitment to safety is reflected in its "Goal Zero" philosophy.
- "Goal Zero" reinforces the drive towards zero fatalities and injuries by specifically addressing work activities posing the greatest risks to life.
- Shell seeks to protect the health and safety of its neighbours, employees and contractors to ensure everyone returns home safely every day.
- To support the drive for Goal Zero, Shell develops the safety leadership skills of its staff, rewards successful performance and ensures rules are being followed.



OUR APPROACH TO SUSTAINABLE DEVELOPMENT



- Shell contributes to sustainable development by reducing its environmental impact and delivering benefits to stakeholders. This practice applies to the company's production processes and its products.
- Shell delivers benefits by providing energy that people and modern economies need to prosper. The company assists in reducing its impact by offering cleaner products like natural gas and biofuels.
- Shell seeks to create lasting social benefits, for example by employing local people and using local contractors and suppliers, and by setting a good example through business practices and ethics.
- In 2009 Shell continued to implement a long-term energy management programme to improve its own energy efficiency. In 2009 the direct greenhouse gas emissions from Shell's operated facilities were 11% lower than in 2008 and around 35% below the 1990 level.
- In 2009 Shell spent \$132 million globally on social investment, mostly on community development projects.

ABOUT ROYAL DUTCH SHELL



Royal Dutch Shell is a global group of energy and petrochemical companies. Our aim is to meet the energy needs of society, in ways that are economically, socially and environmentally viable, now and in the future.

Shell has three main business divisions:

- The Upstream division searches for and recovers crude oil and natural gas.
- The Downstream division refines, supplies, trades and ships crude worldwide, manufactures and markets a range of products, and produces petrochemicals for industrial customers.
- The Projects & Technology division manages delivery of Shell's major projects and drives the research and innovation to create technology solutions.

The Shell General Business Principles embrace the values of honesty, integrity and respect for people and underpins all the work the company undertakes.

MORE ABOUT ROYAL DUTCH SHELL



- One of the world's best known brands
- Active in more than 90 countries
- Has 101,000 full-time employees worldwide
- Produces around 3.1 million barrels of oil equivalent per day
- Has a fuel retail network of around 44,000 service stations
- Sells transport fuel to some 10 million customers a day
- Recognised for technical innovation and operational excellence
- Committed to social and environmental sustainability
- Active in alternative energies – biofuels, hydrogen, wind
- Partners in innovation with Ferrari F1 team
- Listed on the stock exchanges of Amsterdam, London and New York

In 2009 Shell...

- invested \$31.7 billion in capital
- spent over \$1.1 billion on research and development (R&D)

KEY PROJECT 2010



DEEPWATER EXPLORATION AND PRODUCTION



Shell has been a leader in deep-water exploration and production for the last 30 years.

Two of our most challenging deep-water projects are Perdido in the Gulf of Mexico and Parque das Conchas in the Campos Basin offshore Brazil. They are at the leading edge of ultra-deepwater development and technology.

Perdido

- Shell is the operator and has a 35% interest in the development.
- It lies in a water depth of some 2,400 metres.
- It will have a peak production of 130,000 barrels of oil equivalent per day (boe/d) from three fields: Great White, Tobago and Silvertip.

Parque das Conchas

- The Parque das Conchas fields lie under some 1,800 metres of water.
- Shell is the operator with a 50% interest.
- The first phase of the development includes three fields Ostra, Abalone and Argonauta with additional potential from the Nautilus field.
- Peak production will be 100,000 boe/d.



WELKOM

SHELL SUID-AFRIKA UPSTREAM B.V.

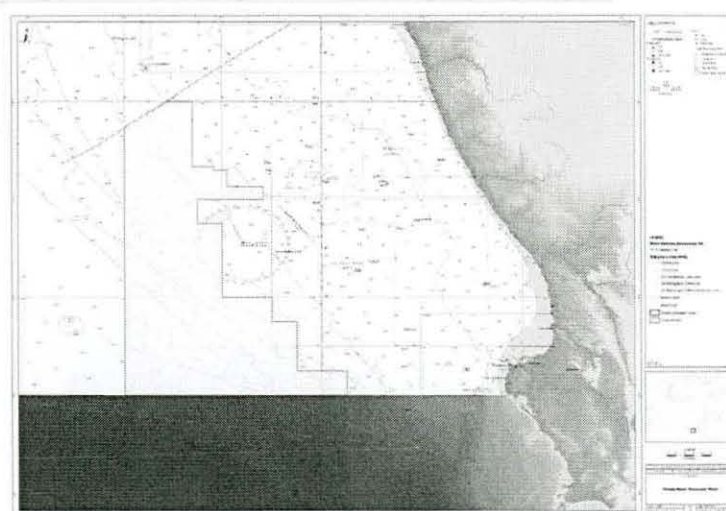
ORANJEKOM-DIEPWATERLISENSIEGEBIED
PUBLIEKE KONSULTASIE



DIE ORANJEKOM- DIEPWATERLISENSIEGEBIED



- Die Oranjekom-diepwaterlisensiegebied is geleë aan die Noordweskus van Suid-Afrika.
- Die suidelike kant van die blok is min of meer in lyn met die dorp Saldanha (33°S) en die noordelike kant net suid van Kleinsee (30°S).
- Dit strek tot aan Namibiese waters in die noorde.
- Die naaste punt van die blok is ongeveer 150 km van die land af en die verste punt ongeveer 350 km.
- Die kusnedersettings naaste aan die lisensieblok sluit Langebaan, Saldanha, Elandsbaai, Kleinsee en Port Nolloth in.



OORSIG VAN EKSPLO- ASIEPROGRAM



Die Eksplorasiewerkprogram sal uit hoogstens vier fases bestaan. Dit is in ooreenstemming met die skedule wat deur die Petroleumowerheid van Suid-Afrika (POSA) uiteengesit is.

- Gedurende die aanvangsfase (eerste drie jaar) sal Shell 'n "desk-top" evalueringsprogram implementeer om die geologie van die gebied beter te bepaal.
- Afhangend van die resultate van die geologiese en geofisiese studies mag Shell met die volgende fase van die program begin wat bestaan uit die verkryging van data met die gebruik van 'n reeks verskillende eksplorasietegnieke:
 - Seismiese peiling
 - Gravitasiemagnetiese peiling
 - Eksplorasieboorwerk



RAMING VAN OMGEWINGSIMPAK



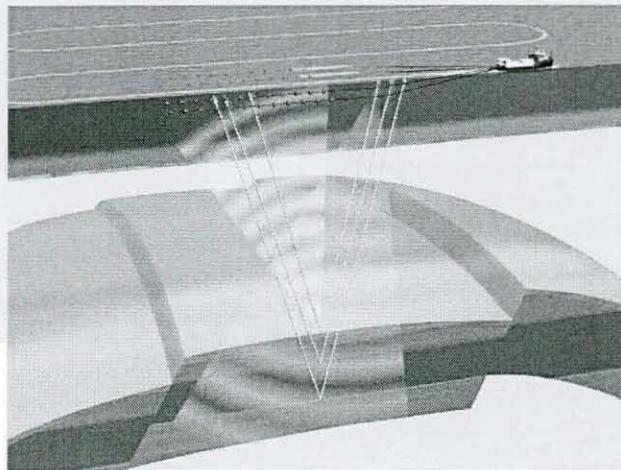
- Suid-Afrika se olie- en gasregulasies en Shell se Standaard ten opsigte van Gesondheid, Veiligheid, Sekuriteit en die Omgewing vereis dat 'n impakraming gedoen moet word om die potensiële maatskaplike, omgewings- en gesondheidsimpak wat met die eksplorasiëprogram geassosieer word te identifiseer.
- Hierdie sistematiese raming beskou die omgewings- en maatskaplike situasie, regulasies en die resultate van die konsultasie in oorleg met geaffekteerde en belanghebbende partye.
- Dit stel Shell in staat om te beplan hoe die maatskappy enige impak tot op 'n aanvaarbare vlak kan verlaag.
- Ondernemings op grond van die impakramingsproses sal opgeneem word in 'n omgewingsbestuursplan wat geïmplementeer sal word en deur die verloop van die projek/operasie gemonitor sal word.



SEISMIESE PEILINGS



- Seismiese peilings word as deel van die ondersoek van ondersese geologiese formasies gedoen.
- Gedurende die uitvoer van seismiese peilings word hoëvlak-lae frekwensiegeluide vanaf klankbronne wat naby die oppervlak deur 'n vaartuig gesleep word na die seabodem gestuur.
- Seine wat vanaf die geologiese samestelling op die seabodem teruggekaats word, word deur hidrofone wat gesleep word opgeneem. Ontledings van die teruggekaatste seine maak die interpretasie van geologiese formasies onder die see moontlik.
- Die seismiese data word per rekenaar verwerk nadat dit hidrofones opgeneem is.
- Gedurende peiling beweeg vaartuie teen 'n snelheid van ses knope. Die klankbron is ongeveer 300 meter agter die vaartuig op 'n diepte van drie tot twintig meter onder die oppervlak.
- 'n Seismiese vaartuig sal gedurende elke veldtog tipies twee tot agt weke lank aktief wees.



EKSPLORASIEBOORWERK



Na gelang van die resultate van die tegniese werk wat gedurende die aanvangstydperk gedoen word, sal eksplorasiëboorwerk oorweeg word.

- Eksplorasiëboorwerk word onderneem om te bepaal of ondersese geologiese strukture wat deur seismiese peiling geïdentifiseer is olie of gas bevat.
- Gedurende boorwerk word die boortoring deur 'n multipunt-ankerstelsel in posisie gehou.
- 'n Skag word met die gebruik van aanboord-toerusting geboor vir die hys van pype, pompe vir vloeistofsirkulasie, motore om die pype te roteer en generators vir die opwek van elektriese krag.

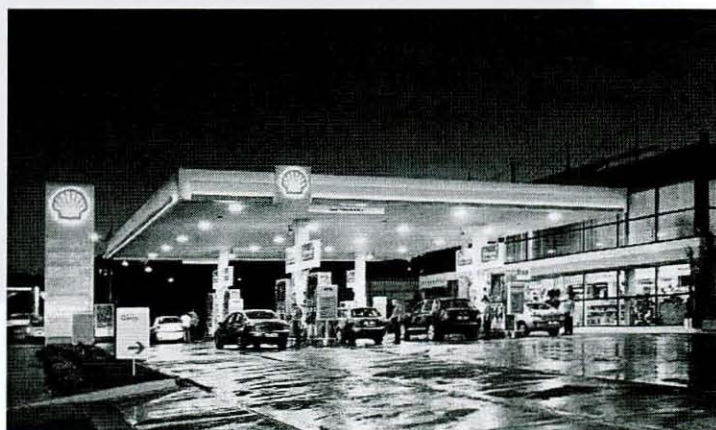


- Na afhandeling van die eksplorasiëboorwerk word skagte met sementproppe verseël. Geen metaal word op die seabodem gelaat nie.

SHELL IN SUID-AFRIKA



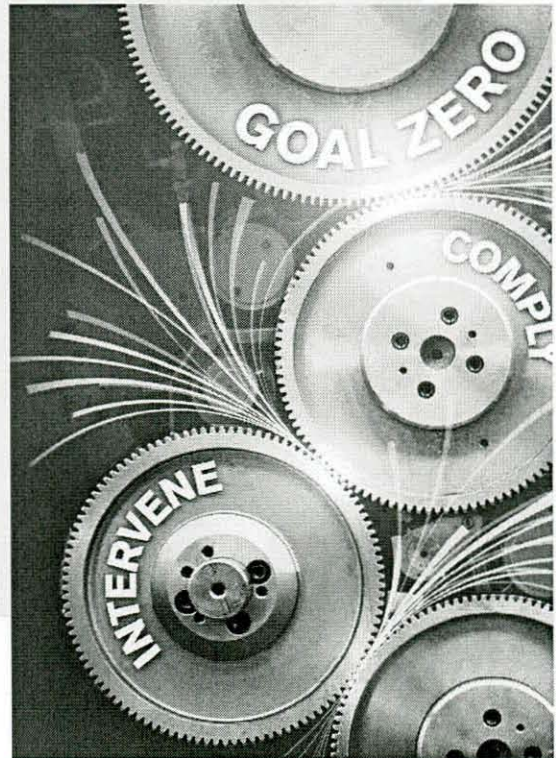
- Shell Suid-Afrika is deel van die Royal Dutch Shell Groep.
- Die maatskappy het in 1902 in Suid-Afrika begin handeldryf, met die klem op paraffien en kerosen.
- Shell bedryf 'n aantal olieerwante sakeondernemings in die plaaslike mark, met inbegrip van brandstofkleinhandel, lugvaart, seevaart, kommersiële brandstof en bitumien sowel as vloeibare petroleumgas.
- Shell het byna 1 400 mense in diens in Suid-Afrika en bedryf ongeveer 750 kleinhandeldiensstasies, met 'n markaandeel van byna 20%.
- Die maatskappy raffineer produk deur die 180 000-vate-per-dag raffinadery in Durban, in samewerking met BP.
- Shell onderskryf die "Petroleum and Liquid Fuels Industry Black Economic Empowerment (BEE) Charter" van 2000. Die handves beywer hom daarvoor om deelname deur voorheen benadeelde mense aan die petroleumbedryf te bevorder.
- Shell het so vroeg soos 1998 verskeie bemagtigingstransaksies met 'n plaaslike BEE-vennoot aangeaan.



ONS BENADERING TOT VEILIGHEID



- Veiligheid is Shell se prioriteit. Die maatskappy se toewyding aan veiligheid is vervat in die "Goal Zero"-filosofie.
- "Goal Zero" versterk die strewe na nul sterftes en beserings deur die klem spesifiek op aktiwiteite wat die grootste sterfterisiko's inhou te plaas.
- Shell beywer hom daarvoor om die gesondheid en veiligheid van sy bure, werknemers en kontrakteurs te beskerm ten einde te verseker dat almal elke dag veilig huiswaarts kan keer.
- Ter ondersteuning van die strewe na "Goal Zero" ontwikkel Shell die veiligheidsleierskapvernuif van sy personeel, beloon hy suksesvolle optrede en verseker hy dat reëls nagekom word.



ONS BENADERING TOT VOLHOUBARE ONTWIKKELING



- Shell dra tot volhoubare ontwikkeling by deur sy omgewingsimpak te verlaag en voordele aan betrokkenes te bied. Hierdie praktyk is van toepassing op die maatskappy se produksieprosesse en produkte.
- Shell bied voordele deur energie te verskaf wat mense en moderne ekonomieë vir welvaart nodig het. Die maatskappy lewer bystand met die verlaging van sy impak deur skoner produkte soos natuurlike gas en biobrandstof te verskaf.
- Shell beywer hom vir die skep van blywende maatskaplike voordele deur byvoorbeeld plaaslike mense in diens te neem, van plaaslike kontrakteurs en verskaffers gebruik te maak en 'n goeie voorbeeld ten opsigte van sakepraktyke en -etiese te stel.
- In 2009 het Shell voortgegaan met die implementering van 'n langtermyn-energiebestuursprogram ten einde sy eie energiedoeltreffendheid te verbeter. In 2009 was die direkte kweekhuis-gasuitlatings van Shell se operasionele fasiliteite 11% laer as in 2008 en ongeveer 35% benede die 1990-vlak.
- In 2009 het Shell wêreldwyd \$132 miljoen aan maatskaplike beleggings bestee, hoofsaaklik gemeenskapsontwikkelingsprojekte.

OMTRENT ROYAL DUTCH SHELL



Royal Dutch Shell is 'n wêreldwye groep energie- en petrochemiese maatskappye. Ons oogmerk is om aan die energiebehoefte van die gemeenskap te voldoen op 'n wyse wat ekonomies, maatskaplik en omgewingsgewys vatbaar is, nou en in die toekoms.

Shell het drie hoof-sakeafdelings:

- Die "Upstream"-afdeling soek en ontgin ru-olie en natuurlike gas.
- Die "Downstream"-afdeling raffineer, verskaf, bedryf en verskeep ru-olie wêreldwyd, vervaardig en bemark 'n reeks produkte en produseer petrochemiese produkte vir industriële klante.
- Die afdeling Projekte & Tegnologie bestuur Shell se groot projekte en is die dryfkrag agter navorsing en innovering om tegnologie-oplossings te skep.

Die Shell Algemene Sakebeginsels beywer hom vir die waardes van eerlikheid, integriteit en respek vir mense en ondersteun al die werk wat die maatskappy onderneem.

MEER OMTRENT ROYAL DUTCH SHELL



- Een van die wêreld se bekendste handelsmerke
- Bedrywig in meer as 90 lande
- Het wêreldwyd 101 000 voltydse werknemers in diens
- Produseer ongeveer 3,1 miljoen vate olie-ekwivalente produk per dag
- Het 'n brandstof-kleinhandelsnetwerk van ongeveer 44 000 diensstasies
- Verkoop vervoerbrandstof aan ongeveer 10 miljoen klante per dag
- Word erken vir tegniese innovering en operasionele uitmuntendheid
- Toegewy aan maatskaplike en omgewingsvolhoubaarheid
- Aktief betrokke by alternatiewe energiebronne – biobrandstof, waterstof en wind
- Vennote in innovering saam met die Ferrari F1-span
- Op die aandelebeurs van Amsterdam, Londen en New York genoteer

In 2009 het Shell ...

- \$31,7 biljoen aan kapitaal belê
- meer as \$1,1 biljoen aan navorsing en ontwikkeling (R&D) bestee

KEY PROJECT 2010



DIEPWATER- EKSPLORASIE EN -PRODUKSIE



Shell is reeds die afgelope dertig jaar 'n leier op die gebied van diepwater-eksplorasië en -produksie.

Twee van Shell se mees uitdagende diepwaterprojekte is Perdido in die Golf van Mexiko en Parque das Conchas in die Campos-kom aan die kus van Brasilië. Hulle is aan die spits van ultradiepwater-ontwikkeling en -tegnologie.

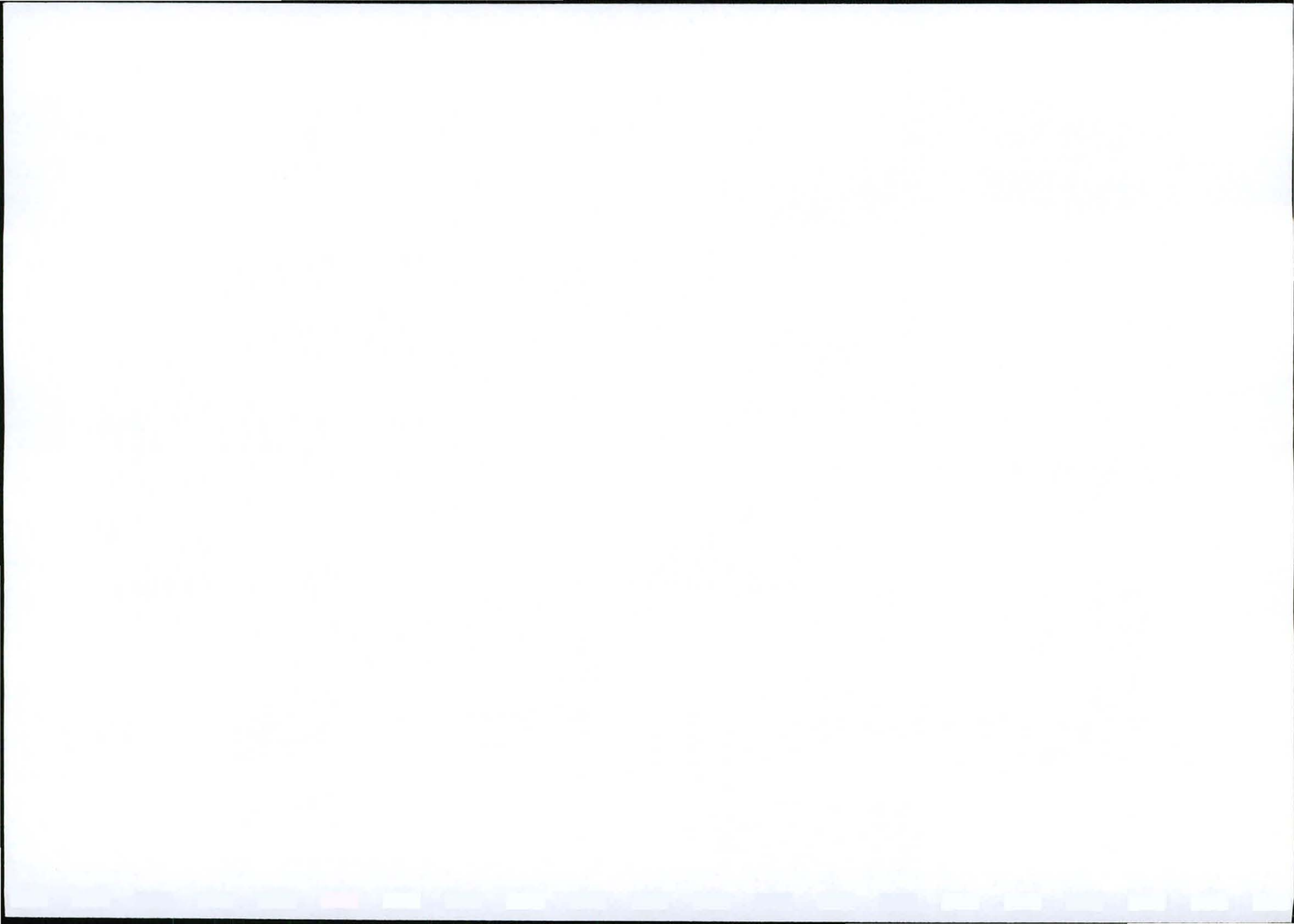
Perdido

- Shell is die operateur en het 'n 35%-belang in die ontwikkeling.
- Die ontwikkeling is in 'n waterdiepte van ongeveer 2 400 meter geleë.
- Dit sal 'n piekproduksie van 130 000 vate olie-ekwivalente produk per dag lewer, afkomstig van drie opslagplekke: Great White, Tobago en Silvertip.

Parque das Conchas

- Die Parque das Conchas-opslagplekke lê op 'n waterdiepte van ongeveer 1 800 meter.
- Shell is die operateur en het 'n 50%-belang in die ontwikkeling.
- Die eerste fase van die ontwikkeling sluit drie opslagplekke in – Ostra, Abalone en Argonauta – met bykomende potensiaal vanaf die Nautilus-opslagplek.
- Piekproduksie sal 100 000 vate olie-ekwivalente produk per dag wees.





Annex C

Comments and Feedback

Public Consultations Western and Northern Cape Regions

Comment	Name	Other information
<p>Basies op die diepte en afstand van die kus persoonlik dink ek nie dat omgewing sal negatief beïnvloed word nie. Saldanha is die natuurlikste en diepste hawe ter wereld en sal hawe verkeer in terme van diepte kan akkomodeer. Dankie Shell gaan voort bring vir ons resultate gouer as die 3 jaar tydperk. Hopelik das die gouer kan gebeur sal dit goud wees</p>	<p>Ryan Jaftha</p>	<p>Cell no: 078 525 5579</p>
<p>Dit is baie belangstelling op die lange duur. Dis iets goed om dit te bestudeer. Saldanbaai is uitstekend vir uitbeiding en berging van goedere. Ons sê dankie aan Shell Garage vir verdere inligting en ondeksteuning.</p>	<p>Koos Makatees</p>	<p>Cell no. 078 498 5591</p>
<p>Dit was goed om die inligting sessie by te woon. Alle voorspoed met die eksplorasië!! God Bless.</p>	<p>Bastel Cloete</p>	<p>Cell no. 082 723 3715</p>
<p>Ons sal dit baie waardeer as Shell olie hier gaan kry. Ons hoop dit. Ons is baie bly dat Shell Bereid is om die risiko te vat om hier te kom eksplorasië werk te doen. Ons weet Shell sal olie hier kry en ek hoop Port Nolloth sal die "Olie Stad" word.</p>		
<p>Dit waarmee Shell besig is sal tot voordeel wees van die ekonoie van ons dorp. Selfs weet ons dat dit 'n operasië sal wees van a langtermyn. Ons vissermanne gee dan ons ondersteuning. Hoop en vertrou dat alles tot sukses sal verloop.</p>	<p>Eric Magerman</p>	<p>Nollothville, Port Nolloth, 8280 Cell no. 083 870 7101</p>
<p>Dit sal a goeie project wees as al die</p>	<p>A O Ukena</p>	<p>Cell no. 073 717 2995</p>

navarsing goed word voordat dit begin word. Dit sal die plek weer lewe gee aan sy werkloosheid syfer. Petrol en die dalk goedkoper wees vir ons en ek hoop dit sal gebeur sodat families gered kan word. Ons plek het in te kort aan werk. Ek ondersteun julle voltyds hoop om van julle gouer te hoor.		
Dit was 'n intersante inligting sessie, publike insae is altyd belangrik. Graag wil ons in die toekoms sien dat Shell ook meer in ons area kom kyk vir alternatiewe ontwikkeling nie net so meer gemik om olie te produseer. As arm gemeenskap wil ons ook graag sien dat u maatskappy ook belê in ons jong studente om hulle te help of aan te moedig om in die chemiese, engineerswese te studeer!!! Dankie	Mervin Bock	Dept. Co-operative Governance, Human Settlement & Traditional Affairs Office No. (027) 851 1111/8026
Dit sal 'n baie goeie projek wees vir die ekonomie van die land en voortuitsig. Dit is ook 'n vooruitsig vir die mense om werk te kan kry. Ons hoop net dit kom op 'n sukses.	J C Koordom	Contact: (027) 851 8922
Hier meer bedank ek vir die voorstel dat dit 'n goeie saak is waarmee u ons in kennis stel. Ek glo en vertrou dat hierdie 'n sukses sal wees. Ek glo dat God is in beheer. Ons glo en vertou op die Here want alles is sy hande. Baie dankie. Sukses voorentoe.	Katrina Cloete	Cell no. 084 888 5195
Die projek voorspel om ekonomiese voordeel te hê vir die gemenskap van Port Nolloth en omgewing. Ons		

ondersteun volkome die projek		
Ek Ondersteun die poging wat Shell wil doen. Baie dankie.	William	Cell no. 076 682 9460
Ons sal bly wees as Shell olie kan ontdek want dit sal werk skep vir baie van Port Nolloth se mense verskaf.	Patrick Cloete	Cell no. 078 595 8151
Die voorlegging was verrykend. Ek weet nou agtergrond van Shell wat belangrik is. Baie dankie.		
Ontdek die olie daar sal baie werk wees vir Port Nolloth se mense. Ek glo Shell sal vir Port Nolloth ontwikkeling wees.	Seremia Ovies	
Met die werkloosheidsyfer baie hoog in ons streek, kan ons nie anders as om vir "Shell" te bedank vir dit waarmee hulle besig is nie. Die toekoms lyk vir ons kinders en nakomelinge rooskleurig. Ons hoop en vertrou dat julle iets sal ontdek, Alle voorspoed vir Shell en ek hoop ons kan in die toekoms weer die gesprek voorsit.	Jeffrey van Neel	Cell no. 073 472 5096
Ons sal baie bly wees as ons mense om Port Nolloth kan deel wees van die werk geleentheid. En sal waardeur dat u sal dink veder oor u saak.	E M Ruiters	Cell no. 083 498 2010
Ontwikkeling in omgewing – Bestaande fasiliteite kan verbeter/opgeknop word – Hawe infrastruktuur kan verbeter word Ekonomiese inspuiting – Namakualand; Suid-Afrika & Afrika - Internasionale mededinging – Lewens – Standaarde verbeter. Laaste Fase: Fisiese werkskepping aan Plaaslike inwoners en	Edward J C Whitlow	Malherbe Street, 634, Port Nolloth 8280 Cell no. 076 312 1680

Nasionaal – Plaaslike en streeks besighede - Health Safety is a must – Cleaner operation than coal – Environment friendly.		
Dankie dat ek met julle kon gesels. Dit wat Shell beplan is baie goed, en ek hoop dat dit 'n werklikheid sal word. Dit was goed om met julle te verkeer.	P van Zyl	Cell no. 078 084 6156
Ek waardeer Shell se belangstelling in ons inwoners van Port Nolloth. Dis vir my 'n baie goeie voorstel, en ek hoop dat dit wat Shell beplan sal realiseer. Dit sal 'n voordeel wees vir ons kinders se toekoms. Nogmaals baie dankie, dat ek met julle kon kennis maak,	Magrietha Cloete	Cell no. 078 961 0499
Wil graag wiet of daar werk geleenthede aan ons gegee word en wanneer dit gaan gebeur want baie van ons kan ook op die bote werk wat die explorasie werke doen	Jalvin Engelbrecht	Henry Str, 197, Port Nolloth, 8280 Cell no. 076 654 0719
Baie dankie Shell. Shell sal groot bydrae lewer vir die Weskus in die uit bereiding van werk en lewes veranderings. Hou ons op datum wat julle vorentoe beplan. Byvoort baat dank	Mary Vaughan	Cell no. 079 970 2194
	Ben Stone	ABCO Engineering e-mail: benstone@kingsley.co.za www.abco.co.za Cell no. 027 712 2111
Konsultasie was bevredgend & verstaanbaar	Quintin Richards	FOSQ Piping & Supplies CC Specialist in thermoplastic piping (fabrication & installation) Cell no. 073 445 4508 Fax: (027) 718 2955

<p>Keep us notified of what is happening. One of our concerns is that organizations are normally disappearing after fruit full sessions like we have at our Saldanha Base. Till we meet again.</p>	<p>Robert Ketcana</p>	<p>Cell no. 071 066 1649 Office no. (022) 714 3504 Fax no.: (022) 713 1946</p>
<p>I am clear on what will be going on and I'm satisfied with the information. Would like your company to come on a regular basis to inform us about the process going forward. It will be a sustainable idea to my understanding, and wish your company good luck for the future. I thank you. Keep it up.</p>	<p>Headman Fatuse</p>	<p>47 Karp Str, White City, Saldanha Bay Cell no. 072 995 4878</p>
<p>Very disappointed. I was expecting a formal discussion with all interested parties sitting down followed by a question and answer session. Thanks for breakfast.</p>		
<p>Thank you for consulting with and explaining what your company has planned for our area. We are a engineering company here in Saldanha and will definitely be interested in some "RFO" that is for manufacture, refurbish, site installation of various components for steel components. Regards.</p>	<p>Johan Brits</p>	<p>Westar Cor Engineering Office no.: (022) 714 4560 Cell no: 083 380 2631 e-mail: johan@westarcor.co.za</p>
<p>Thanks for doing this "roadshow". The biggest challenge at this early stage will be to contain the excitement and ensure that expectations are aligned with reality. We wish you the best of luck with this project and look forward to being part of it from the seismic through drilling to production!</p>	<p>Nick de Blocq</p>	<p>Schlumberger e-mail: deblocq1@slb.com</p>

Very informative. Would be interesting in discussing tax & finance services with your commercial and finance people.	Daniel Shaw	
Very informative and well presented. Will there be regular updates regarding progress and how often will these updates be forwarded?	Mark Watson	e-mail: mark.Watson@harris-pye.com Cell no.: +027 76 941 9588 +027 21 551 2803
Yes I think it is a good idea because if the project can come to our shores it can create jobs for our people.	Sweetness Billie	Cell no: 073 306 5347
Thanks Shell!!! Go Well!!! Please increase jobs !! Look at our resource the West Coast Rock lobster too!!!	Hilda-Ester Job	Cell no: 079 342 2054 Fax no: (027) 432 1966
We think we will get more jobs and more opportunities and also do more road shows and also you must inform us of everything.	M Nyathi	Lamberts Bay, Room 1 Cell no: 078 162 0745
Very encouraging for Shell to explore in this area, hoping venture will be successful.	Morris Fortuin	Cell no: 082 779 9904
Hoop Shell gaan geleenthede bring na die area.	A Andrew	
Keep up the good work and put measures in place too safeguard our Resources along our coast. We are confident that you will bring prosperity to our region and communities. Thanx	Cecil Solomons	Cell: 071 – 283 8045 e-mail : csolomons@pqwc.gov.za
Good presentation. I hope that you find something here. It will mean a lot for job creation in Namaqua District. Go Shell go Well!!!		
Great Stuff!!!	Hilton Paulsen	69 Katjiepiering St, Elandsbay Cell no: 073 352 8377

I feel positive about this. My concern is the fishing industry, which is the heart & soul of this area!! Good luck with the exploration!!	Patrick Schack	69 Ferreira St, Lamberts Bay, 8130 Cell no: 078 502 2088
This was very informative. Looking forward to future visits to our area	Fiaan Cloete	Customs Clearing Specialists S A Office no: (027) 718 3003 Fax no: (027) 718 3004 e-mail: fiaan@ccssa.co.za
Very informed a session		
Your session was good. I would like to see what is the outcome after the three years. Then it will be interesting how economic development will take place.	Eddie Julius	Cell no: 076 731 8731 e-mail: ejulius4@gmail.com

Annex D

Background Information Document



SHELL UPSTREAM SOUTH AFRICA B.V.

Orange Basin Deepwater Licence Area

BACKGROUND INFORMATION DOCUMENT

INTRODUCTION

Shell Upstream South Africa B.V., a subsidiary of Royal Dutch Shell plc (Shell) was the successful bidder for exploration rights in the recent Exploration South African Bid Round.

This Background Information Document (BID) aims to provide a high level overview of the potential exploration activities that may be undertaken by Shell in the coming years to support the development of the South African oil and gas industry.

The information in this document underpins the ongoing public consultation process and is being shared with all the interested and affected parties, on request. Public consultation is a common practice in the oil and gas industry and aims at providing any interested and affected individuals with the opportunity to voice views and concerns regarding the exploration activities to be undertaken. Additionally, public, honest and transparent engagement is core to Shell's General Business Principles and operating standards.

This Bid Information Document is the first public disclosure of the potential exploration activities in the Orange Basin and the first step of other public engagements Shell is planning with interested parties.

ORANGE BASIN DEEP WATER LICENCE AREA

The Orange Basin Deep Water Licence Area (OBDWLA) is situated offshore of the West Coast of South Africa. The block's southern edge is approximately in line with the town of Saldanha Bay (33°S) and the northern edge just south of Kleinsee (30°S). It borders with Namibian waters at its northern extent. At its closest point the block is located approximately 150km offshore and at its furthest approximately 350km offshore. See Figure 1 for the location of the block.

The nearest coastal settlements to the licence block include Langebaan, Saldanha, Elands Bay, Kleinsee and Port Nolloth.

EXPLORATION PROGRAMME OVERVIEW

Under the contract, Shell South Africa Upstream B.V. will implement an Exploration Work Programme consisting of a maximum of four phases, in compliance with the schedule defined by the Petroleum Authority of South Africa. During the first three years (initial period), Shell plans to implement a "desk-top" evaluation programme to better assess the subsurface and geology of the area.

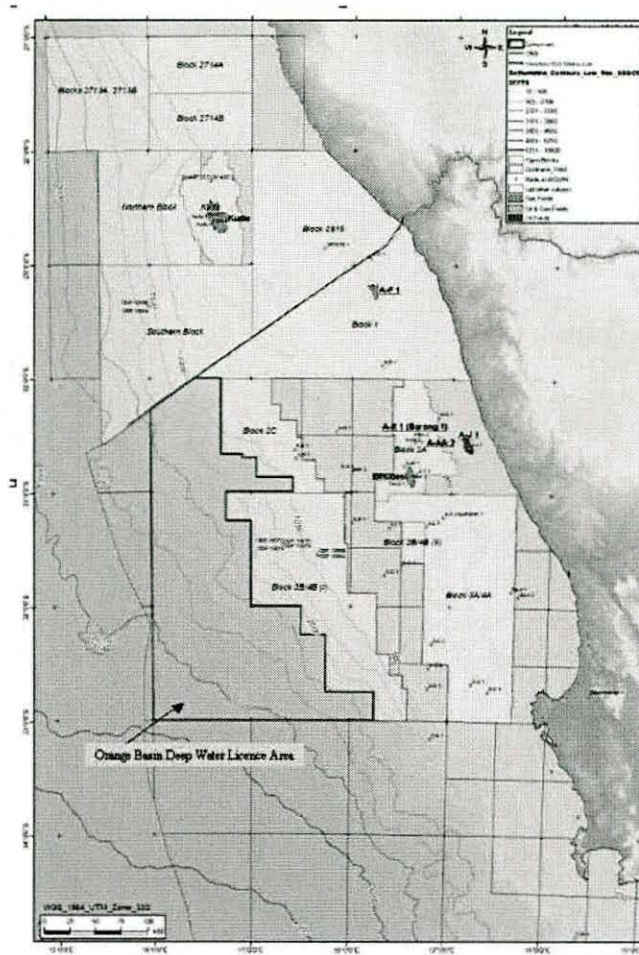


Figure 1

The activities will include the purchase of existing seismic data and its evaluation. No marine or land operations will be carried out during this period.

Conditional on results from the geological and geophysical studies, Shell may elect to enter the next phases of the programme consisting of acquiring data using a range of different exploration techniques, also known in the oil and gas industry as data acquisition: 2D-seismic survey and, gravity-magnetic survey and exploration drilling.

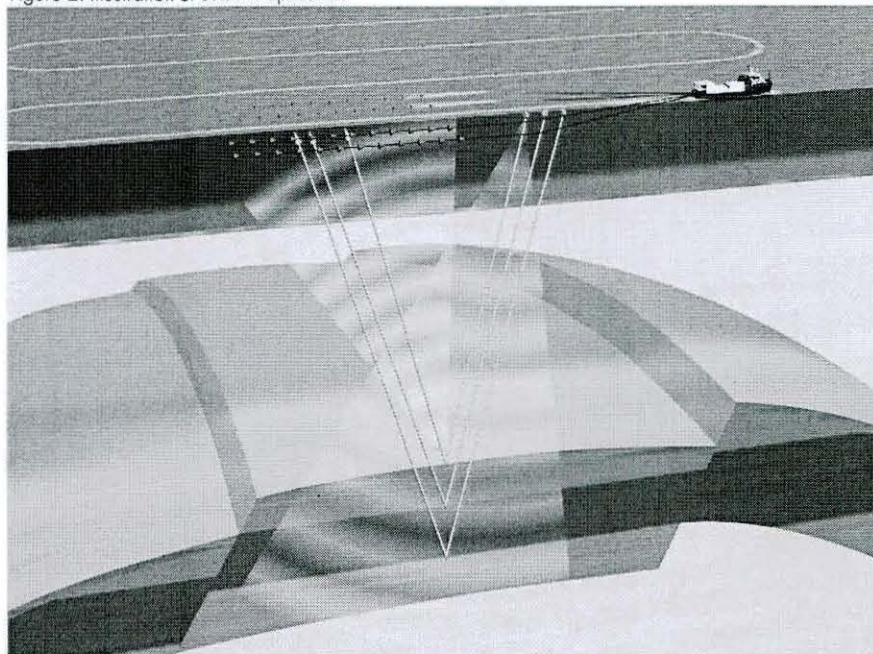
These activities are likely to commence, following the three-year desktop study period.

The location and design of the data acquisition programmes will be dependent on the results of the technical work carried out in the initial period.

ENVIRONMENTAL IMPACT ASSESSMENT

South African oil and gas regulation and Shell's standards require that an environmental impact

Figure 2: Illustration of seismic operation



6 - 20 second intervals. The sound waves are reflected by boundaries between sediments of different densities and returned signals are computer processed after being recorded by the hydrophone streamers. During surveying, vessels travel at a speed of 4 to 6 knots. The sound source is situated some 300m behind the vessel at a depth of 3 to 20m below the surface.

Background Information on Gravity Magnetic Surveys: Gravity and magnetic data are acquired to investigate sub-sea geological trends for hydrocarbon exploration. The measuring device can be deployed in an aircraft (fixed wing or helicopter) or a vessel.

assessment be conducted to identify potential environmental, social and health impacts associated with the exploration programme.

This systematic assessment considers the environmental and social setting, regulations, and the outcome of consultation with affected and interested parties. It allows us to plan how we can reduce any impacts to an acceptable level and optimise the delivery of benefits. Commitments made in the impact assessment process will be captured in an environmental management plan that will be implemented and tracked through the life of the project/operation.

Detailed impact assessments integrating environmental, social and health aspects will be carried out as part of the exploration programme. The environmental and social management plans are usually based on the equipment to be used, the location and the schedule of work to be developed prior to any field activity.

Background Information on Seismic Surveys:

Seismic surveys are carried out in the investigation of sub-sea geological formations during marine oil and gas exploration. In the course of performing seismic surveys, high level, low frequency sounds are directed towards the seabed from near-surface sound sources that are towed by a vessel (see Figure 2).

Signals reflected from geological discontinuities below the sea floor are recorded by towed hydrophones. Analyses of the returned signals allow for interpretation of sub-sea geological formations.

A seismic vessel travels along areas of an established grid that is carefully chosen to cross any known or suspected geological structure in the area. The sound source is fired at approximately

PUBLIC STAKEHOLDER ENGAGEMENT

A public consultation process has been initiated as part of the environmental management programme and will continue throughout the Exploration Programme. Further notices and public consultation activities will take place in due course.

SHELL IN SOUTH AFRICA

Shell has been active in Retail in South Africa since 1904 and in refining since 1963.

This is the first time Shell will be involved in exploring for oil and gas in South Africa.

Today, Shell South Africa has a nationwide Retail network of strategically located Service Stations, offering customers a variety of fuels products, as well as friendly service and convenience shopping.

Shell is committed to South Africa and determined to build its businesses with all communities that endorse our license to operate. In the years to come Shell will continue to conduct business according to our core values of honesty, integrity and respect for people.

Discover Shell in South Africa at
www.shell.com/home/content/zaf

Please contact Shell on +27 11 3610712 or send written notification to ssa-pcp@shell.com, should you require further clarifications regarding the proposed exploration activities.



Notes



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SHELL UPSTREAM SUID-AFRIKA B.V.



ORANJEKOM DIEPWATER-LISENSIEGEBIED

AGTERGROND INLIGTINGSDOKUMENT

INLEIDING

Tydens die onlangse Ronde van Bieëry in Eksplorasië was Shell Upstream Suid-Afrika B.V., 'n filiaalmaatskappy van Royal Dutch Shell plc (Shell), die suksesvolle bieder vir eksplorasierigte.

Hierdie Agtergrond Inligtingsdokument (AID) is daarop gemik om 'n oorsig te gee van moontlike eksplorasiebedrywighede wat Shell in komende jare kan onderneem ter ondersteuning van die Suid-Afrikaanse olie- en gasbedryf.

Inligting in hierdie dokument is ter ondersteuning van 'n aanlopende proses van konsultasie met die publiek en word op versoek gedeel met alle belanghebbende en geaffekteerde partye. Openbare konsultasie binne die olie en gasbedryf is 'n algemene praktyk wat daarop mik om aan enige belanghebbende en geaffekteerde individu die geleentheid te bied om sy/haar menings te lug en belangstelling oor eksplorasiebedrywighede wat beplan word, uit te spreek. Daarbenewens vorm openbare, eerlike en deursigtige inskakeling van die publiek ook 'n kerngedeelte van Shell se Algemene Sakebeginsels en bedryfstandaarde.

Hierdie dokument is die eerste openbare bekendstelling van Shell se moontlike bedrywighede betreffende eksplorasië in die Oranjekom gebied. Dit is ook die eerste stap in 'n reeks openbare interaksies wat Shell beplan om belangstellende partye in te sluit.

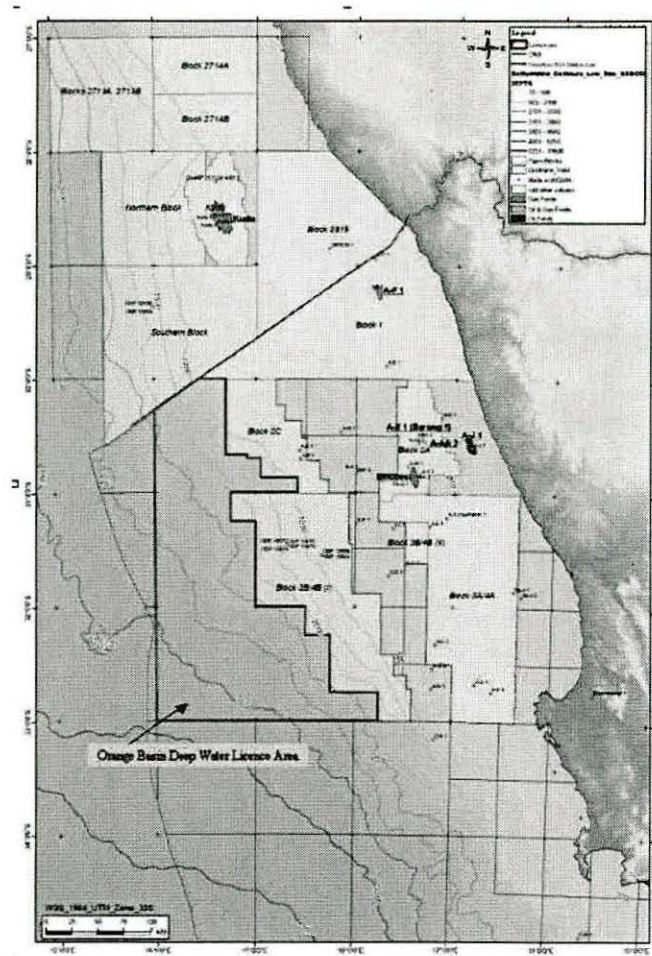
ORANJEKOM DIEPWATER-LISENSIEGEBIED

Die Oranjekom Diepwater-lisensiegebied (OKDWLG) lê afluandig van Suid-Afrika se Weskus. Die blok se suidelike rand is ongeveer op dieselfde breedtegraad as die hawe en dorp, Saldanha (33°S), en die noordelike rand lê 'n entjie suid van Kleinsee (30°S). By sy naaste punt aan die kus, is die blok ongeveer 50 km afluandig geleë en by sy verste punt, ongeveer 350 km. Die noordelike deel daarvan grens aan Namibiese Waters. (Sien Figuur 1 vir ligging van die blok.)

Nedersettings langs die kus wat die naaste is aan die lisensieblok, sluit in: Langebaan, Saldanha, Elandsbaai, Kleinsee en Port Nolloth.

OORSIG VAN EKSPLORASIEPROGRAM

Volgens kontrak sal Shell Suid-Afrika Upstream B.V. 'n program implementeer vir eksplorasiewerk wat, ten meeste, bestaan uit vier fases en wat ooreenstem met die skedule soos gedefinieer deur die Petroleum-agentskap van Suid-Afrika.



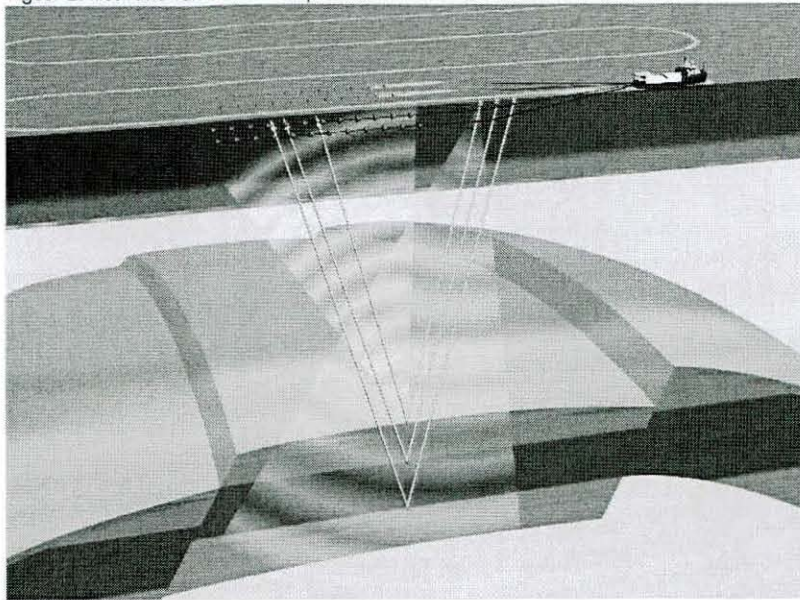
Figuur 1

Tydens die eerste drie jaar (aanvangstydperk) beplan Shell implementasie van 'n kantoorgebonde evaluasieprogram. Dit is met die doel om die ondersese bodem se oppervlak en geologie van die gebied beter te verstaan. Hierdie aktiwiteite sal die aankoop van bestaande seismiese data, asook die evaluasie daarvan, behels. Geen werksaamhede ter see of op land sal tydens hierdie periode uitgevoer word nie.

Afhangende van die resultate wat spruit uit die geologiese en geofisiese studies, kan Shell besluit om te begin met die volgende fase van die program. Die fase bestaan uit verkryging van data deur gebruik van 'n reeks verskillende eksplorasië tegnieke, wat in die olie en gasbedryf ook bekend staan as dataverkryging: 2D seismiese opname en, 'n swaartekragmagnetiese opname en boorwerk vir eksplorasië. Sulke aktiwiteite sal waarskynlik 'n aanvang neem na die driejaar kantoorgebonde studietydperk.

Die ligging en ontwerp van die data verkrygingsprogramme sal afhang van die resultate van die tegniese werk wat in die aanvangstydperk uitgevoer word.

Figuur 2: Illustrasie van Seismiese Opname



gekies is om enige bekende, of vermeende, geologiese struktuur in die gebied oor te vaar. Die klankbron word afgevuur teen tussenposes wat van 6 tot 20 sekondes kan wissel. Gevolglike klankgolwe word weerspieël deur die grense tussen sedimente met verskillende digthede en die seine wat terugkom word deur 'n rekenaar verwerk nadat hulle opgeneem is deur hidrofone wat gesleep word.

Tydens opnames vaar vaartuie teen snelhede van 4 tot 6 knope per uur. Die klankbron se ligging is sowat 300m agter die vaartuig teen 'n diepte wat kan wissel van 3 tot 20m.

Agtergrondinligting: Opnames oor Swaartekrag en Magnetisme

Data oor swaartekrag en magnetisme word bekom vir navorsing oor onderse

geologiese verbodkelling ter ondersteuning van moontlike koolwaterstofeksplorasië. Die afmetingstoestel kan gebruik word in 'n vliegtuig (met vaste vlerke) of in 'n helikopter of op 'n vaartuig.

OMGEWINGSIMPAKSTUDIE

Suid-Afrikaanse regulasies wat olie en gas beheer sowel as Shell se standaard vereis dat 'n omgewingsimpak gedoen word. Dit is nodig sodat potensiële omgewings, sosiale, en gesondheidsimpakte wat verband kan hou met die program vir eksplorasië geïdentifiseer kan word.

Hierdie sistematiese studie behels die omgewings en sosiale agtergrond, bestaande regulasies, en die afloop van konsultasië met geïmpakteerde en belanghebbende partye. Dit laat ons toe om te beplan hoe ons enige impakte kan verminder tot 'n aanvaarbare vlak en die lewering van voordele kan optimeer. Ondernemings aangegaan tydens die impakbeplanningproses sal deel vorm van die omgewingsbestuursplan wat deur die bedryfsfase van die projek/werksaamhede geïmplementeer en gevolg word.

Impakbeplanning betref omgewings, sosiale, en gesondheidsaspekte sal in detail gedoen word as deel van die eksplorasië program. Omgewings en sosiale bestuursplanninge word gewoonlik gebaseer op toerusting wat gebruik word, die ligging, en die skedule vir werk wat ontwikkel moet word voordat enige bedryfswaardes ter plaatse begin.

Agtergrond Inligting oor Seismiese Opnames:

Seismiese opnames word gedoen as deel van ondersoek van onderse geologiese formasies tydens eksplorasië van olie en gas. Seismiese opnames behels, onder andere, die versending van hoë-vlak, lae frekwensie klank na die seebodem vanaf klankbronne naby die oppervlak wat deur 'n vaartuig gesleep word (sien Figuur 2). Seine wat weerspieël word deur nie-ontwikkelende geologiese aspekte onder die seebodem word opgeneem deur hidrofone wat gesleep word. Ontleding van seine wat terugkeer, maak vertolking van gegewens oor die geologiese formasies wat onder die seebodem lê, moontlik.

'n Seismiese vaartuig deurkruis 'n ruitgebied wat sorgvuldig

OPENBARE DEELNEMINGS

'n Openbare proses vir konsultasië is van stapel gestuur as deel van Shell se Omgewingsbestuursprogram. Dit vorm ook 'n deurlopende deel van Shell se eksplorasië program. Verdere kennisgewings en Openbare konsultasiëbedryfswaardes sal mettertyd plaasvind.

SHELL IN SUID-AFRIKA

Shell is sedert 1904 in kleinhandel in Suid-Afrika aktief en sedert 1963 bedrywig met raffineerders. Dit is die eerste keer wat Shell betrokke sal wees in eksplorasië vir olie en gas in Suid-Afrika. Shell Suid-Afrika het tans 'n landwyse netwerk Dienststasies wat strategies geplaas is. Hulle bied kliente 'n verskeidenheid brandstofprodukte aan, met vriendelike diens asook geriefswinkels.

Shell is verbind tot Suid-Afrika en is vasberade om sy sake uit te bou in alle gemeenskappe wat ons lisensie om werksaam te wees onderskryf.

In die jare wat kom sal Shell voortgaan om sake te doen volgens ons vaste beginsels en waardes soos eerlikheid, integriteit en respek vir mense.

Ontdek Shell in Suid-Afrika by
www.shell.com/home/content/zaf/

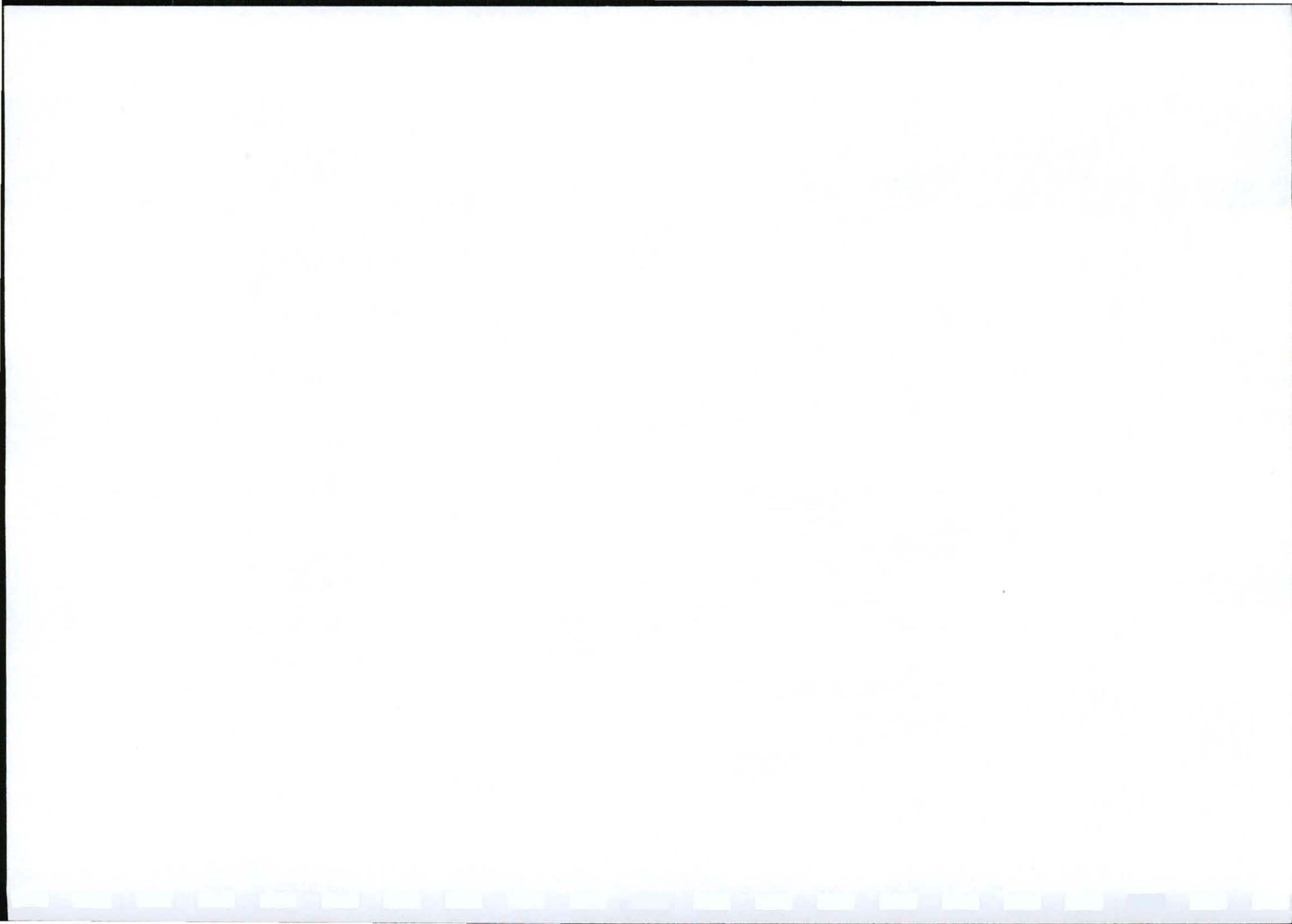
Kontak asseblief Shell by +27 11 361 0712 of stuur 'n geskrewe kennisgewing per e-pos by SSA-PCP@shell.com, indien u verdere verduideliking betreffende Shell se voorstelle vir eksplorasiëbedryfswaardes verlang.



Notas

A series of horizontal lines for writing notes, spanning most of the page width.





Annex E

Photos from Consultation

Consultations took place at the following locations:

- Cape Town: 24th May, 9am – 4pm, The Pavilion Conference Centre
- Saldanha: 25th May, 9am – 12pm, Protea Hotel Saldanha
- Lamberts Bay: 25th May, 4pm – 7pm, Lamberts Bay Hotel
- Springbok: 26th May, 1pm – 6pm, Springbok Hotel
- Port Nolloth: 27th May, 10am – 1pm, Scotia Inn Hotel

The following photos (*Photo 1.1- Photo 1.12*) provide some photographs taken during this process.

Photo 1.1 Cape Town: 24th May, 9am – 4pm, The Pavilion Conference Centre



Photo 1.2 Cape Town: 24th May, 9am – 4pm, The Pavilion Conference Centre



Photo 1.3 Cape Town: 24th May, 9am – 4pm, The Pavilion Conference Centre



Photo 1.4 Saldanha: 25th May, 9am – 12pm, Protea Hotel Saldanha



Photo 1.5 Lamberts Bay: 25th May, 4pm – 7pm, Lamberts Bay Hotel



Photo 1.6 Lamberts Bay: 25th May, 4pm – 7pm, Lamberts Bay Hotel



Photo 1.7 Lamberts Bay: 25th May, 4pm – 7pm, Lamberts Bay Hotel

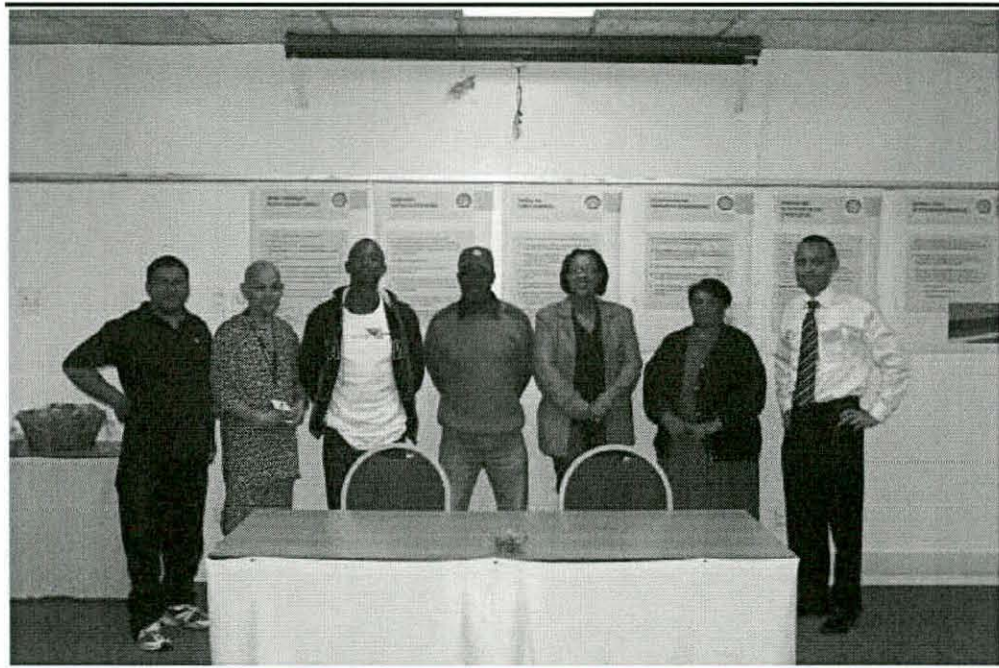


Photo 1.8 Springbok: 26th May, 1pm – 6pm, Springbok Hotel



Photo 1.9 Springbok: 26th May, 1pm – 6pm, Springbok Hotel



Photo 1.10

Port Nolloth: 27th May, 10am – 1pm, Scotia Inn Hotel



Photo 1.11

Port Nolloth: 27th May, 10am – 1pm, Scotia Inn Hotel

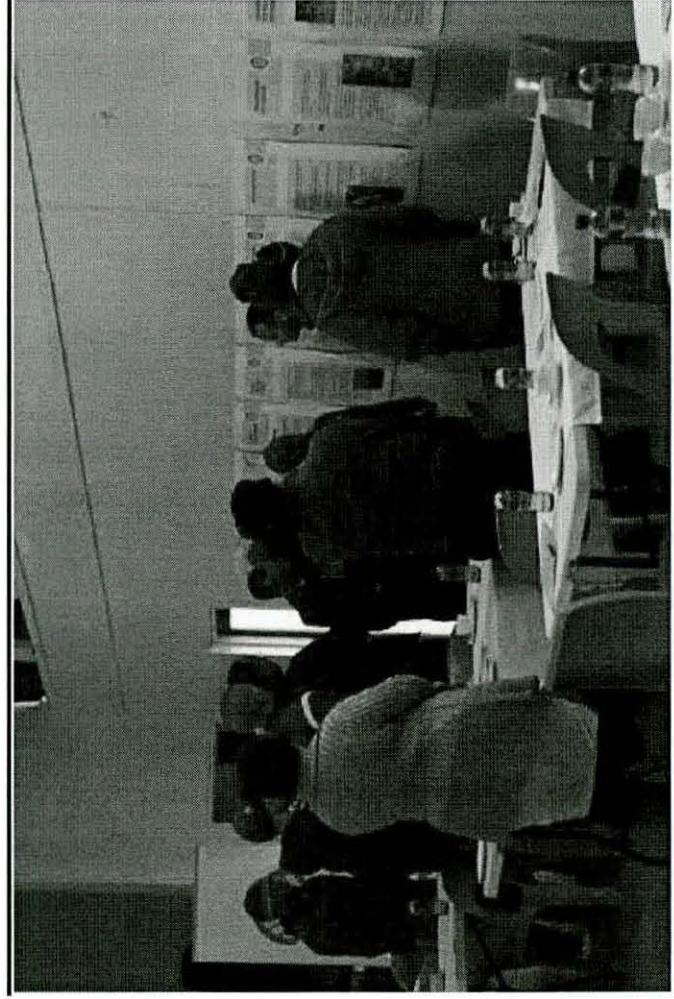


Photo 1.12

Port Nolloth: 27th May, 10am – 1pm, Scotia Inn Hotel



Annex F

Media Clippings

Shell gaan na olie soek onder Weskus se seewater

Francois Williams, Kaapstad

Die internasionale oliegroep Shell wil na olie en gas in 'n reuse-gebied aan die Weskus soek.

Die seewater in dié gebied van 37 000 km² strek van 'n diepte van 150 m tot sowat 4 000 m. Dit sal na verwagting die diepste wees waar Shell nóg na olie gesoek het, en dit is die eerste keer dat Shell aktief in Suid-Afrikaanse gebiedswaters na olie en gas sal soek.

Die groep se diepste boorgat vir olieproduksie tot dusver is in water van 2 500 m diep in die Perdido-veld in die Golf van Mexiko.

Shell het in November verlede jaar die bod by die Petroleumagentskap van Suid-Afrika (Pasa) gewen vir 'n eksplorasierig in die gebied in die sogenaamde Oranjerivier-kom. Die groep doen nou amptelik aansoek om 'n eksplorasie-lisensie wat vir drie jaar geld en daarna drie keer vir twee jaar op 'n keer verleng kan word.

Shell hou openbare inligtingsessies oor sy planne, wat Pasa voorskryf as deel van die aansoekproses.

Mnr. Elton Fortuin, kommunikasiebestuurder van Shell in Johannesburg, sê die eerste drie jaar sal gewy word aan die bestudering van beskikbare data. Daarna sal besluit word of met seismiese opnames voortgegaan sal word. Dit behels 'n skip wat heen en weer volgens 'n vasgestelde rooster oor die gebied vaar en klankgolwe uitstuur om te bepaal hoe die geologiese formasies onder die seabodem lyk.

Dr. David Harper, bestuurder vir volhoubare ontwikkeling van Shell se internasionale eksplorasiemag in Den Haag, Nederland, sê voor of tydens die seismiese opname sal gravitasie-magnetiese peilings gedoen word om 'n breë beeld van die ondersese geologie te vorm. Dit kan per vliegtuig gedoen word. Eers daarna kan Shell besluit indien en waar toetsboorgate gesink sal word.

Fortuin sê openbare inligtingsessies word vandeeweek ook in Saldanha, Lambertsbai, Springbok en Port Nolloth gehou. Rolspelers wat gister in Kaapstad die sessies bygewoon het, sluit in visserymaatskappye, akademiese en omgewingsorganisasies.

Fortuin en Harper sê dit is nog onmoontlik om te sê hoeveel die eksplorasieprogram sal kos. Shell het verlede jaar wêreldwyd meer as \$1,1 miljard aan navorsing en ontwikkeling bestee.

Die gebied is tussen 150 km en 350 km van die kus af. Shell-amptenare wou nie kommentaar lewer oor die olleramp by die BP-olieveld in die Golf van Mexiko nie, maar het gesê dit kan lei tot nuwe standarde vir die bedryf. Harper het wel gesê Shell gebruik internasionaal erkende veiligheidstoerusting by diepsee-projekte.

Die groeiende konsensus wêreldwyd is dat die maklik bekombare en goedkoop oliereserwes nou reeds grootliks ontdek is.

Weens die politieke onsekerheid in die tradisioneel olieryke lande en die groeiende rol van staatsbeheerde oliegroepe wat private rolspelers wil beperk, wend internasionale oliemaatskappye hulle toenemend na moeiliker en duurder terreine soos die diepsee en alternatiewe fossielbrandstofbronne soos die sandolie in Kanada, skalie-gas in die Karoo of steenkoolmetaangas.

Weens politieke onsekerheid in die tradisioneel olieryke lande en die groeiende rol van staatsbeheerde oliegroepe, wend internasionale oliemaatskappye hulle toenemend tot moeiliker en duurder terreine soos die diepsee en alternatiewe fossielbrandstofbronne.



Shell gaan na olie soek onder Weskus se seewater

Francois Williams, Kaapstad

Die internasionale oliegroep Shell wil na olie en gas in 'n reuse-gebied aan die Weskus soek.

Die seewater in dié gebied van 37 000 km² strek van 'n diepte van 150 m tot sowat 4 000 m. Dit sal na verwagting die diepste wees waar Shell nóg na olie gesoek het, en dit is die eerste keer dat Shell aktief in Suid-Afrikaanse gebiedswaters na olie en gas sal soek.

Die groep se diepste boorgat vir olieproduksie tot dusver is in water van 2 500 m diep in die Perdido-veld in die Golf van Mexiko.

Shell het in November verlede jaar die bod by die Petroleumagentskap van Suid-Afrika (Pasa) gewen vir 'n eksplorasiereg in die gebied in die sogenaamde Oranjerivier-kom. Die groep doen nou amptelik aansoek om 'n eksplorasie-lisensie wat vir drie jaar geld en daarna drie keer vir twee jaar op 'n keer verleng kan word.

Shell hou openbare inligtingsessies oor sy planne, wat Pasa voorskryf as deel van die aansoekproses.

Mnr. Elton Fortuin, kommunikasiebestuurder van Shell in Johannesburg, sê die eerste drie jaar sal gewy word aan die bestudering van beskikbare data. Daarna sal besluit word of met seismiese opnames voortgegaan sal word. Dit behels 'n skip wat heen en weer volgens 'n vasgestelde rooster oor die gebied vaar en klankgolwe uitstuur om te bepaal hoe die geologiese formasies onder die seebodem lyk.

Dr. David Harper, bestuurder vir volhoubare ontwikkeling van Shell se internasionale eksplorasie-afdeling in Den Haag, Nederland, sê voor of tydens die seismiese opname sal gravitasie-magnetiese peilings gedoen word om 'n breë beeld van die ondersese geologie te vorm. Dit kan per vliegtuig gedoen word. Eers daarna kan Shell besluit indien en waar toetsboorgate gesink sal word.

Fortuin sê openbare inligtingsessies word vandeeweek ook in Saldanha, Lambertsbai, Springbok en Port Nolloth gehou. Rolspelers wat gister in Kaapstad die sessies bygewoon het, sluit in visserymaatskappye, akademici en omgewingsorganisasies.

Fortuin en Harper sê dit is nog onmoontlik om te sê hoeveel die eksplorasieprogram sal kos. Shell het verlede jaar wêreldwyd meer as \$1,1 miljard aan navorsing en ontwikkeling bestee.

Die gebied is tussen 150 km en 350 km van die kus af. Shell-amptenare wou nie kommentaar lewer oor die olieramp by die BP-olieveld in die Golf van Mexiko nie, maar het gesê dit kan lei tot nuwe standarde vir die bedryf. Harper het wel gesê Shell gebruik internasionaal erkende veiligheidstoerusting by diepsee-projekte.

Die groeiende konsensus wêreldwyd is dat die maklik bekombare en goedkoop oliereserwes nou reeds grootliks ontdek is.

Weens die politieke onsekerheid in die tradisioneel olieryke lande en die groeiende rol van staatsbeheerde oliegroep wat private rolspelers wil beperk, wend internasionale oliemaatskappye hulle toenemend na moeiliker en duurder terreine soos die diepsee en alternatiewe fossielbrandstofbronne soos die sandolie in Kanada, skalle-gas in die Karoo of steenkoolmetaangas.

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Shell joins search for West Coast gas

ANTON FERREIRA

SHELL Upstream International has joined the hunt for deep-water oil and gas off South Africa's West Coast, but one of its priorities is to quell any hopes of quick riches.

The Dutch group sent executives this week to hold public consultation meetings in Cape Town and smaller centres like Lamberts Bay, Springbok and Port Nolloth.

"We are trying to keep expectations to a minimum," said Kim Bye Bruun, the Upstream unit's communication manager. "Nothing will be done on the ground for the next few years. This is a desktop study."

Shell won rights last November to explore a deep-water block the size of the Netherlands about 150km offshore, from Saldanha Bay to Port Nolloth.

If the desktop study, which could take three years, indicates areas of interest, seismic studies will be done. If those prove positive, test holes will be drilled.

It is a long process with no guarantee of results as shown by the Ibhubesi gas field closer inshore. Forest Exploration International found significant reserves there 10 years ago, but no gas has been piped ashore. In fact, no pipes have been laid to carry it.

Forest Exploration's commercial director, John Langhus, said it was impossible to say when the first gas would be delivered. "We can't predict that until we know what the demand for the gas is," he said.

"We're negotiating with parties about off-take of the gas. Once we get the critical level of commitments for the gas, then we can decide to move that forward."

Langhus said Forest saw the South African market as a big one, from electricity generation to industrial and residential use. "We're very optimistic about the growth of the market once it kicks off."

The problem is getting the market to kick off. Doug Kuni, managing director of the Independent Power Producers Association,

said energy companies had yet to strike a deal with a South African buyer that would make it economical to start producing.

"All the exploration companies are spending dollars; they will require a dollar price for the gas. They will put it into a power station and produce electricity that will be paid for in rand. They don't want to take the currency risk."

Kuni said the energy companies wanted a Brent index in the pricing, but South African buyers were reluctant to commit. "Who knows where the price of oil will go?"

There had been more than 10 years of talks without a solution.

The minister of energy, Elizabeth Dipuo Peters, said in parliament this week that her department was in talks with a company to supply about 1 500MW of electricity from a gas-fired power station on the West Coast, but she gave no details. "A memorandum of understanding will be signed once all the negotiations are finalised," she said.



Annex G

Advertisements

SHELL UPSTREAM SOUTH AFRICA B.V.

DEEPWATER ORANGE BASIN AREA EXPLORATION RIGHT INVITATION - PUBLIC CONSULTATION

Shell Upstream South Africa B.V., a subsidiary of Royal Dutch Shell plc (Shell) was the successful bidder for exploration rights in the recent Exploration South African Bid Round.

The Petroleum Agency of South Africa and Shell are finalising details of an Exploration Permit in the Orange Basin deep-water area, off the North-West Coast of South Africa.

In terms of the Mineral and Petroleum Resources Development Act (Act 28 of 2002) Shell will hold a series of public consultation meetings at the locations and dates listed below:

	Cape Town	Saldanha	Lamberts Bay	Springbok	Port Nolloth
Date	Monday, 24 May 2010	Tuesday, 25 May 2010	Tuesday, 25 May 2010	Wednesday, 26 May 2010	Thursday, 27 May 2010
Time	09:00 - 16:00*	09:00 - 12:00*	16:00 - 19:00*	13:00 - 18:00*	10:00 - 13:00*
Venue	The Pavilion Conference Centre Cnr. Portwood and Beach Road V&A Waterfront, Cape Town	Protea Hotel 51B Main Road Saldanha	Lamberts Bay Hotel 72 Voortrekker Street Lamberts Bay	Springbok Hotel 87 van Riebeeck Street Springbok	Scotia Inn Hotel 505 Beach Road Port Nolloth

*Members of the public can attend any time between the hours indicated above.



SHELL UPSTREAM SUID-AFRIKA B.V.

ORANJEKOM-DIEPWATERGEBIED EKSPLORASIEREG UITNODIGING – PUBLIEKE KONSULTASIE

Shell Upstream Suid-Afrika B.V., 'n filiaalmaatskappy van Royal Dutch Shell plc (Shell), was die suksesvolle bieder vir eksplorasieregte in die onlangse Eksplorasië Suid-Afrikaanse Bodronde.

Die Petroleum-agentskap van Suid-Afrika en Shell finaliseer tans die besonderhede van 'n Eksplorasiepermit vir die Oranjekom-diepwatergebied aan die Noordweskus van Suid-Afrika.

In terme van die Wet op die Ontwikkeling van Minerale- en Petroleumbronne (Wet 28 van 2002) sal Shell 'n reeks publieke konsultasievergaderings by die volgende plekke hou:

	Kaapstad	Saldanha	Lambertsbaai	Springbok	Port Nolloth
Datum	Maandag, 24 Mei 2010	Dinsdag, 25 Mei 2010	Dinsdag, 25 Mei 2010	Woensdag, 26 Mei 2010	Donderdag, 27 Mei 2010
Tyd	09:00 - 16:00*	09:00 - 12:00*	16:00 - 19:00*	13:00 - 18:00*	10:00 - 13:00*
Plek	The Pavilion Konferensiesentrum H/V Portswood en Beachstraat V&A Waterfront, Kaapstad	Protea Hotel Hoofstraat 51B Saldanha	Lambertsbaai Hotel Voortrekkerstraat 72 Lambertsbaai	Springbok Hotel Van Riebeeckstraat 87 Springbok	Scotia Inn Hotel Beachstraat 505 Port Nolloth

*Lede van die publiek kan enige tyd tussen die ure hierbo aangedui deelneem.



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