

Rhino Oil and Gas Exploration South Africa (Pty) Ltd

BACKGROUND INFORMATION ON PROPOSED PETROLEUM EXPLORATION ON VARIOUS FARMS IN THE EASTERN CAPE (295 ER)

September 2015

INTRODUCTION

Rhino Oil and Gas Exploration South Africa (Pty) Ltd has lodged an application for an exploration right with the Petroleum Agency South Africa (PASA) in terms of section 79 of the Minerals and Petroleum Resources Development Act, 28 of 2002 (MPRDA).

Minerals included in the application are oil, gas, condensate, coal bed methane, helium and biogenic gas. The exploration area is broad and encompasses farms in the Eastern Cape adjacent to the Lesotho boundary (see Figure 1).

Rhino Oil and Gas intends to undertake early-phase petroleum exploration, focussing on identifying oil and gas resources which may be located within suitable geological strata. The purpose is to determine the presence of a petroleum resource which could be investigated further. The initial 3-year exploration work programme will be restricted to non-invasive techniques, seismic surveys and the drilling of less than 10 core boreholes. No hydraulic fracturing or fracking is proposed for this exploration.

ENVIRONMENTAL AUTHORISATION PROCESS

Prior to the granting of an Exploration Right for the proposed project an environmental assessment process must be conducted and approved by PASA in terms of the National Environmental Management Act, 107 of 1998 (NEMA). Rhino Oil and Gas will make an application to PASA for environmental authorisation. The 2014 Environmental Impact Assessment Regulations (GN R982 promulgated in terms of NEMA) are applicable as the application for an exploration right is activity 18 in Listing Notice 2 (GN R984). The EIA Regulations define the assessment process which includes: a scoping phase, environmental impact assessment (EIA) phase and an environmental management programme (EMPr). Public participation is a key component of the environmental assessment process.

SLR Consulting (Africa) (Pty) Ltd (SLR), an independent firm of environmental consultants, has been appointed by Rhino Oil and Gas Exploration South Africa (Pty) Ltd to manage the environmental assessment process.

This document has been prepared by SLR to inform you about:

- * the application and proposed project activities;
- * the environmental assessment process to be followed;
- * SLR's understanding of the possible environmental impacts; and
- * how you can have input into the environmental assessment.

PROJECT SUMMARY

Application: Environmental Autotisation for an Exploration Right in terms of Section 79 of the MPRDA.

Target Minerals: oil, gas, condensate, coal bed methane, helium and biogenic gas.

Locality: north-eastern region of the Eastern Cape, west of Matatiele and adjacent to the Lesotho border. See Figure.

Properties in the ER: ~240 farms and portions, see list in Appendix 1.

Planned activities: Early phase exploration – activities such as data review, mapping, geochemical analysis, apatite fission track analysis, airborne Full Tensor Gravity Gradiometry surveys, land based seismic survey and core borehole drilling. NO fracking.

HOW TO RESPOND

Responses to this document can be submitted by means of the attached comments sheet or in writing and/or through communication with SLR

WHO TO CONTACT

Matthew Hemming or Stella Moeketse
(011) 467 0945 (Tel)
(011) 467 0978 (Fax)

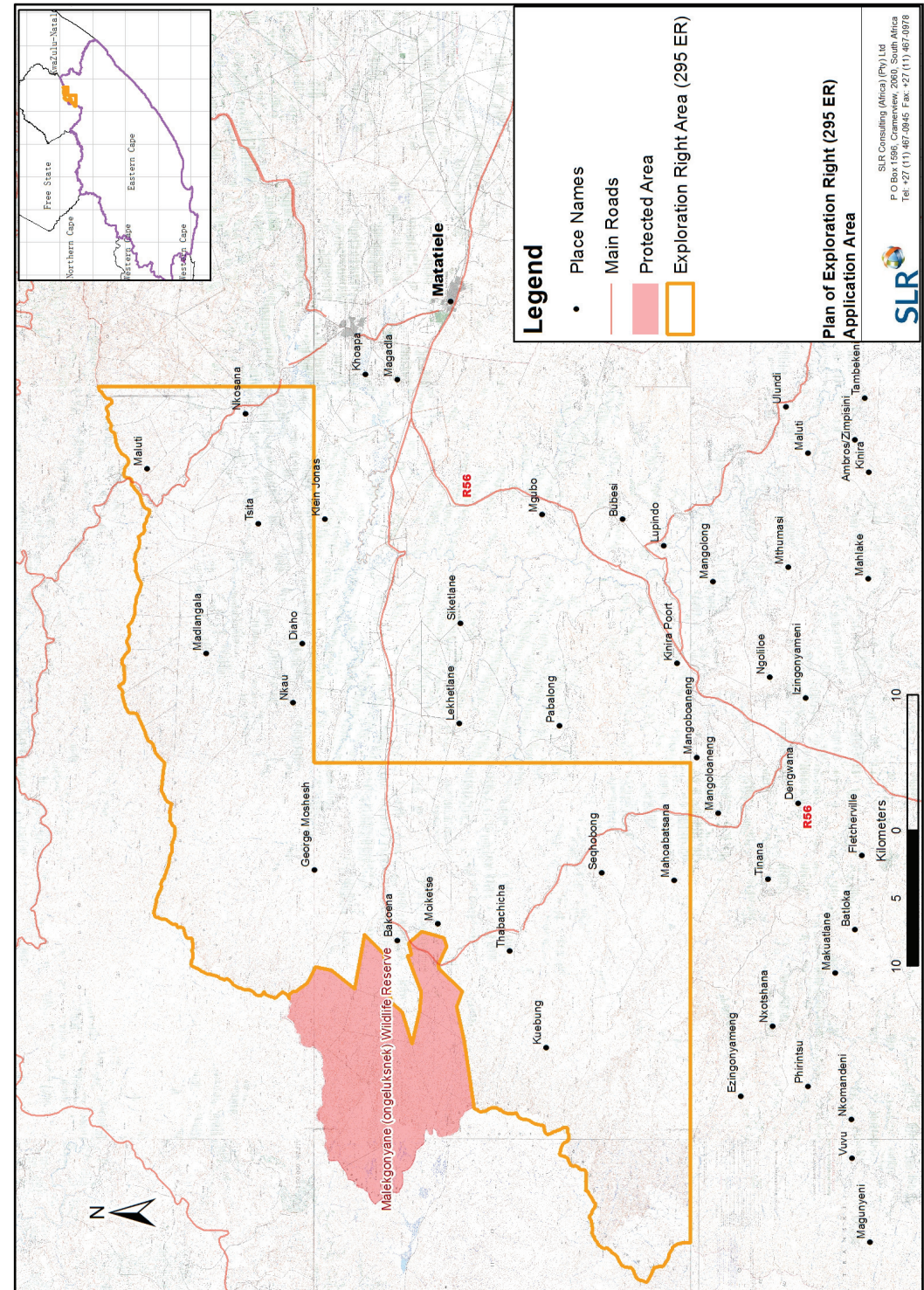
PO Box 1596, Cramerview 2060
mhemming@slrconsulting.com
or smoeketse@slrconsulting.com

PASA reference number(295 ER)

Please ensure that this reference number is included on all correspondence.

Please respond to us before **10 October 2105**

You are welcome to distribute this document to other parties who may be interested or affected by the project.



BRIEF OVERVIEW OF PROPOSED EXPLORATION

APPLICATION

The Petroleum Agency South Africa has accepted the application lodged by Rhino Oil and Gas for an exploration right for petroleum products. Acceptance of the application by PASA only permits the applicant to continue with the necessary process and does not constitute authorisation.

The application for environmental authorisation is to be submitted to PASA in October 2015 and thereafter adhere to the timeframes prescribed in the 2014 Environmental Impact Assessment Regulations.

GENERAL

The 3-year exploration work programme proposed by Rhino Oil and Gas is aimed at determining if there is an oil or gas resource in the area that would warrant further exploration.

Year 1: the evaluation of geological data through a comprehensive desk-top study. Much of this data is only available to parties whom hold exploration rights. Sub-surface structural features and stratigraphy will be mapped. Data on source-rock geochemistry will be acquired. Geological models may be developed.

Year 2: further geochemical data analysis as well as the possible use of apatite fission track analysis and full tensor gradiometry gravity (FTG) surveys.

Year 3: purchase and/or undertaking seismic surveys. The final exploration activity would be the drilling of core boreholes at target sites identified from the earlier work.

LOCATION

The exploration right application area is the northern region of the Eastern Cape and includes ~240 farms over an area of ~ 120 000 ha. In broad terms the exploration area is bound in the west by the Lesotho boundary, from near Qachas Nek to approximately 20 km north of Mt. Fletcher in the south. The area lies to the west of the R56 road between Matatiele and Mt. Fletcher with the Maria-Linden Mission being just inside the boundary (see attached Figure and list of farms).

Physical, on-the-ground exploration activities will only be undertaken at a limited number of sites. The exact location of the target sites can only be determined once Rhino has completed the initial phases of exploration and examined the available data. Possible techniques include:

FTG SURVEYS

Full tensor gradiometry gravity (FTG) surveys will be undertaken to image subsurface geology in order to aid exploration. Such surveys will be flown in fixed wing aircraft and require no access to farms.

SEISMIC SURVEYS

Rhino will purchase seismic data where available and may commission seismic surveys to image subsurface geology. During a survey low frequency acoustic waves are generated and the reflected waves recorded. Analysis of the return waves provides information about rock types and possible gases or fluids in rock formations.

Rhino is planning up to 100 km of two-dimensional (2D)

surveys. Survey teams generate controlled acoustic energy (using explosives, air gun or seismic vibrator) and record the return waves in geophones laid at set spacing in a linear alignment.

Survey teams require short-term access to farms to place survey equipment and record the data. Survey lines will follow existing access roads and disturbances with due consideration of environmental constraints.

DRILLING

A maximum of 10 core boreholes are planned across the exploration area. Boreholes would be drilled by a truck or trailer mounted, mobile drilling rig very similar in size to a water borehole rig. Drill sites will be accessed using existing roads and farm tracks. The drill rig will be accompanied by supporting equipment (vehicles, trailers, compressors, water tanks, pumps, caravan etc). A typical exploration rig and equipment requires an operating area of approximately 1 000 m². See photos below.

Rock core will be extracted from the target strata and removed to a laboratory. Samples will be examined, described and tested for gas related properties.

Once drilling is completed the rig, all associated equipment and waste products will be removed from site. The borehole will be capped pending further investigation or sealed with cement if not required further.

No water abstraction, pressure testing or hydraulic fracturing of boreholes is included in the proposed work.

STAFF AND HOUSING

Early phase exploration will create relatively few job opportunities as most work is contracted to specialist service providers. The company will recruit locally as far as possible.

A seismic survey team comprises about 20 staff. A drill-rig is normally manned by a crew of up to 5 persons. No on site housing facilities are planned. Staff will be accommodated in nearby towns or at locations agreed with land owners.

TIMING

The exploration work programme is planned over a 3 year period. The programme is divided in phases with successful completion of one phase informing the next.

FTG surveys are completed in a matter of hours. Seismic surveys are undertaken over a period of months but the personnel and equipment are on site for short periods. Drilling at each site can take 1 to 3 months to complete.

ENVIRONMENTAL MANAGEMENT

The establishment, management and rehabilitation of all exploration sites will be done in consultation with land owners. The process of managing the impacts and rehabilitating the exploration sites will be conducted in terms of the environmental management programme produced for the project and approved by PASA.

LAND ACCESS

Private property will only ever be accessed with prior consent of the landowner and then in terms of a written agreement. It is likely that access will be required to only a

few of the properties within the exploration area.

The locality of exploration sites is largely flexible and can be adapted to minimise disturbance to land owners, occupiers, agriculture and the environment.

MOTIVATION FOR THE PROPOSED PROJECT

Petroleum products remain a vital source of energy. Natural gas comprises mostly methane and is a relatively clean, environmentally friendly form of energy. It can be used to generate electricity or provide heat for domestic and industrial purposes. Once extracted gas can be easily contained, transported and safely used in many applications. The type of downstream use is entirely dependent on the commercial scale of the resource.

FUTURE EXPLORATION OR PRODUCTION

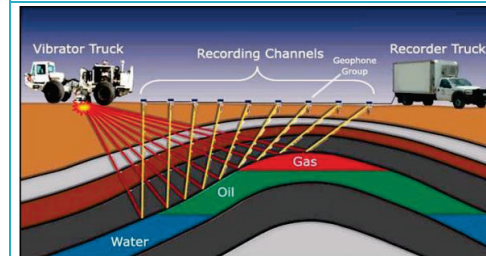
The current application is only to authorise the work as described above (and in detail in the Scoping Report). Any further exploration work to evaluate an identified resources or a future production would require further approval from PASA. Such approvals will be subject to the relevant legal requirements which include further public consultation and environmental assessment.

Rhino maintains that is not useful to speculate on the possible future direction of the project as the range of options is vast and the available information very limited.

PHOTOS



Typical FTG Survey plane



Schematic of seismic survey



Typical core drilling rig



Example of drilling operations



Rock core recovered for analysis

POTENTIAL ENVIRONMENTAL IMPACTS

The following preliminary issues and potential impacts have been identified and will be investigated as part of the environmental assessment process.

Farm Safety – Access by unknown persons to farms has the potential to influence security on farms. Operating heavy vehicles and equipment may pose safety risks. Run away fires may present a potential safety risks for both people and livestock.

Farm Infrastructure – farms roads, gates and fences may be damaged during exploration activity.

Soil and land capability– activities at the seismic and drill sites may affect soils and land capability if poorly regulated and not rehabilitated.

Biodiversity – activities at the seismic and drill sites have the potential to disturb and/or destroy vegetation, habitat units and related ecosystem functionality, including the disturbance of protected species.

Surface water – The proposed activities at the seismic and drill sites has the potential to pollute surface water resources through consumptive use and the discharge of contaminants.

Groundwater – the proposed drilling has the potential to consume and contaminate groundwater resources which could impact availability to other groundwater users and the ecosystem.

Air – The proposed project has the potential to contribute to air pollution, particularly through dust emissions from vehicles on gravel roads and the release of gas from boreholes.

Noise and vibrations – The proposed project has the potential to cause noise pollution during drilling activities. Seismic surveys may cause damage to structures and disturb livestock and wildlife.

Visual – the placement of seismic and drilling equipment has the potential to create short-term visual impacts.

Heritage resources – the proposed project has limited potential to damage heritage resources.

Land use –The seismic and drill sites may conflict with land use for the duration.

Socio-economic – the project has very limited potential to contribute towards socio-economic impacts. Positive impacts include job creation and stimulation of the local and regional economy. Potential negative socio-economic impacts include potential for increased crime, spread of disease and pressure on support services provision.

Cumulative and future impacts – although the current work may have limited impacts, a concern is that approval of this work could open the way for future,

larger-scale projects in the area. These may have much greater impact and be difficult to stop if investment has been made.

ENVIRONMENTAL ASSESSMENT

The assessment process aims to:

- provide information on the project & alternatives
- provide information on the potentially affected environment;
- identify, in consultation with interested and/or affected parties (IAPs), the potential negative as well as positive impacts of the project;
- provide an assessment of the significance of the impacts;
- report on management measures required to mitigate impacts to an acceptable level; and
- ensure informed, transparent and accountable decision-making by the relevant authorities.

STEPS IN THE ASSESSMENT PROCESS

Pre Application phase (August to October 2015)

Identify and inform IAPs & regulatory authorities of the proposed project (via direct consultation, newspaper advertisements, site notices, this document)

Receive issues and responses from IAPs.

Define outstanding issues and terms of reference for work to address potential impacts

Compile scoping report

Submit application to PASA (ito NEMA)

Scoping phase (October – December 2015)

Make draft scoping report available for review by IAPs and other regulatory authorities.

Collect IAP comments, update Scoping Report and forward to decision making Authorities.

EIA and EMP phase (January to June 2016)

Undertake any specialist investigations.

Assess impacts of proposed project and compile EIA and EMP report.

Make this available to IAPs and regulatory authorities for review.

Host possible public-feedback meetings.

Collect IAP comments, update EIA and EMPr and forward to decision making Authorities.

Decision and Appeal

PASA to review EIA and EMPr and make a decision.

Notify IAPs and regulatory authorities.

Appeal process in terms of Appeal Regulations

REGISTER AND COMMENT

All stakeholders are invited to register as Interested & Affected Parties (IAP). You must register as an IAP if you would like more information or wish to participate in the environmental assessment of the project.

To register, or to raise any environmental issues or concerns regarding the project, please complete the **Response Form** and return it to SLR no later than **10 October 2015**. IAPs registered on the project's database will receive notification of information-sharing meetings and report review periods.

Rhino Oil and Gas Exploration South Africa (Pty) Ltd

PROPOSED PETROLEUM EXPLORATION ON VARIOUS FARMS IN EASTERN CAPE (295 ER)

REGISTRATION AND RESPONSE FORM FOR INTERESTED AND AFFECTED PARTIES

NAME				
ORGANISATION/FARM				
STREET OR POSTAL ADDRESS				
				POSTAL CODE
WORK/ DAY TELEPHONE NUMBER			FAX NUMBER	
CELL PHONE NUMBER				E-MAIL
PREFERRED CORRESPONDENCE (circle)	POST	FAX	EMAIL	SMS
DATE			Signature	

DETAILS OF OTHER PEOPLE WHO OWN LAND IN THE AREA OR YOU FEEL SHOULD BE INFORMED:				
PLEASE IDENTIFY YOUR INTEREST IN THE PROPOSED PROJECT:				
PLEASE WRITE YOUR COMMENTS AND QUESTIONS HERE:				
(use additional pages if required)				

Please return completed forms to:

Matthew Hemming or Stella Moeketse

(011) 467 0978 (Fax) or Po Box 1596, Cramerview 2060

mhemming@slrconsulting.com or smoeketse@slrconsulting.com

MATATIELE		PTN
FARM NAME	No.	No.
SIBI 4	0	
GEORGE MOSHESH 13	0	
GEORGE MOSHESH 13	1	
NKAU 14	0	
NKAU 14	1	
NKAU 14	2	
NKAU 14	3	
NKAU 14	4	
NKAU 14	5	
NKAU 14	6	
ISAAC DIAHO 15	0	
ISAAC DIAHO 15	1	
ISAAC DIAHO 15	2	
ISAAC DIAHO 15	3	
ISAAC DIAHO 15	4	
KLEIN JONAS 16	0	
KLEIN JONAS 16	2	
KLEIN JONAS 16	4	
KLEIN JONAS 16	5	
TSITA MOSHESH 17	0	
TSITA MOSHESH 17	1	
TSITA MOSHESH 17	2	
TSITA MOSHESH 17	3	
TSITA MOSHESH 17	4	
TSITA MOSHESH 17	5	
MADLANGALA 18	0	
MADLANGALA 18	1	
MADLANGALA 18	2	
KOSANA 20	0	

THREE SISTERS 26	0
NEWLANDS 27	0
MC ALPINE 28	0
FREEMANTLE 29	0
MAKOMERENG 30	0
DEER PARK 32	0
DEER PARK 32	1
NOATSHA 33	0
THE EYRIE 34	0
THE EYRIE 34	1
UPLANDS 35	0
RHEEBOK'S RUST 52	0
BELFORT 53	0
BRAMWELL 54	0
BRAMWELL 54	1
BRAMWELL 54	2
BRAMWELL 54	3
DELL CRANNEY 55	0
DELL CRANNEY 55	1
GLEN ALFRED 56	0
GLEN ALFRED 56	1
GLEN ALFRED 56	2
GLEN ALFRED 56	3
THE RETREAT 57	0
TRAMORE 58	0
TRAMORE 58	1
TRAMORE 58	2
TRAMORE 58	3
TRAMORE 58	4
DE SCHUIUR 59	0
DE SCHUIUR 59	1
DE SCHUIUR 59	2

DE SCHUIUR 59	3
COCHET 60	0
COCHET 60	1
COCHET 60	2
GEORGEHERBERT 61	0
GEORGEHERBERT 61	2
HARRYEBDEN 62	0
WALLACE 66	0
ETHELDALE 67	0
ETHELDALE 67	1
ETHELDALE 67	2
LE GRANGE 69	0
LE GRANGE 69	1
MONT PLAISIR 70	0
MONT PLAISIR 70	1
MONT PLAISIR 70	2
MAFUBE MISSION STATION 71	1
BERG VIEW 72	0
BERG VIEW 72	1
BERG VIEW 72	2
ROLLAND 73	0
ROLLAND 73	1
DRAKENROCK 93	0
DRAKENROCK 93	1
DRAKENROCK 93	2
O'CONNORS CAMP 94	0
O'CONNORS CAMP 94	1
O'CONNORS CAMP 94	2
GLADSTONE 95	0
GLADSTONE 95	1

GLADSTONE 95	2
GLADSTONE 95	3
CHARLESMILLS 99	1
CHARLESMILLS 99	2
CHARLESMILLS 99	3
CHARLESMILLS 99	4
MARSHALLSCLARKE 100	0
SAUL 110	0
SAUL 110	1
HILDA HEATH 112	1
HILDA HEATH 112	2
AVONDALE 114	0
AVONDALE 114	1
AVONDALE 114	2
ALWINREIN 115	0
ALWINREIN 115	1
ALWINREIN 115	2
ALWINREIN 115	3
THE START 116	0
THE START 116	1
THE START 116	2
BESSDALE 117	0
MOLIFE 118	0
MILIFE 18	1
NTHOANTSO OUTSPAN 119	2
UPSALA 120	8
BERTIE VALE 121	0
VERONA TRADING SITE	241
MAPFONTEIN TRADING SITE	242
GEORGE MOSHESH 13	2
GEORGE MOSHESH 13	3
GEORGE MOSHESH 13	4
GEORGE MOSHESH 13	5
GEORGE MOSHESH 13	6
GEORGE MOSHESH 13	11
GEORGE MOSHESH 13	12
GEORGE MOSHESH 13	13
GEORGE MOSHESH 13	14
GEORGE MOSHESH 13	15
GEORGE MOSHESH 13	19
GEORGE MOSHESH 13	20
GEORGE MOSHESH 13	21
GEORGE MOSHESH 13	22
GEORGE MOSHESH 13	23
GEORGE MOSHESH 13	24
GEORGE MOSHESH 13	25
GEORGE MOSHESH 13	26
QUEENS MERCY TRADING SITE 249	0
MPARANA TRADING SITE 250	0
MARIA ZEL MISSION 270	0
BERTIEVALE 269	0
MANNING 277	0
MANNING 277	2

SEQOBONG 54	4
SEQOBONG 54	5
NXOTSHANE 83	0
PIRINTSU 84	0

MOUNT FLETCHER		PTN
FARM NAME	No.	No.
BLACKFONTEIN TRADING SITE	22	
TABASE 46	0	
TABASE 46	1	
TINANA 47	0	
DENGWANE 48	0	
PABALLONG 51	0	
PABALLONG 51	1	
PABALLONG 51	2	
PABALLONG 51	3	
PABALLONG 51	5	
PABALLONG 51	6	
PABALLONG 51	7	
THABA CHICHA 52	1	
THABA CHICHA 52	2	
THABA CHICHA 52	3	
THABA CHICHA 52	4	
THABA CHICHA 52	5	
THABA CHICHA 52	6	
THABA CHICHA 52	7	
THABA CHICHA 52	8	
THABA CHICHA 52	9	
THABA CHICHA 52	10	
KUEBUNG 53	0	
KUEBUNG 53	1	
SEQOBONG 54	0	
SEQOBONG 54	1	
SEQOBONG 54	2	
SEQOBONG 54	3	

SLR Consulting (Africa) (Pty) Ltd

SLR Consulting (Africa) (Pty) Ltd



Project Reference: 723.18034.00005

File Ref. Document5

17 September 2015

ATTENTION: LAND OWNER/STAKEHOLDER

Dear Sir/Madam

NOTICE OF APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN SUPPORT OF EXPLORATION RIGHT FOR PETROLEUM ON VARIOUS FARMS IN THE MAGISTERIAL DISTRICTS OF MATATIELE AND MOUNT FLETCHER, EASTERN CAPE (12/3/295 ER)

Please be informed that Rhino Oil and Gas Exploration South Africa (Pty) Ltd has lodged an application for an **exploration right** to the Petroleum Agency South Africa (PASA) in terms of section 79 of the Minerals and Petroleum Resources Development Act, 2002. Rhino Oil and Gas proposes to undertake early-phase exploration for oil and gas which may be located underground within suitable geological strata. The purpose is to determine the presence of a petroleum resource which could be investigated further. The initial 3-year exploration work programme will be restricted to non-invasive techniques, seismic surveys and the drilling of less than 10 core boreholes for determining stratigraphy. No hydraulic fracturing or fracking is proposed.

Rhino Oil and Gas is required to make an application for **environmental authorisation** of the exploration activities in terms of Chapter 5 of the National Environmental Management Act, 1998 (No. 107 of 1998) (NEMA). The application must be subject to a scoping and environmental impact assessment process as stipulated in the EIA Regulations (GNR 982, 8 December 2014).

SLR Consulting (South Africa) (Pty) Ltd are appointed as independent environmental consultants responsible for the public participation and environmental assessment required to inform a decision on the environmental authorisation. As part of the initial phase of this work we are distributing information to as many interested or affected parties as possible. Through various resources we have obtained contact details for owners of land and potential stakeholders. We continue to acquire such details. The project is being advertised in local newspapers and through notices placed in towns within the area.

Our information leads us to believe that you may be an owner or occupier of land within the exploration right application area or a stakeholder with interest in the application. We would thus like to notify you of the application and provide you with introductory information on the proposed exploration project. The Background Information Document explains the proposed project, outlines the application process and includes a map and the names of all farms included in the application area.

SLR Consulting (South Africa) (Proprietary) Limited

www.slrconsulting.com

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Directors: K Pietersen, B Stobart

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Page 2

Please register with the public participation office should you be an interested or affected party. You **must** register if you wish to participate in the environmental assessment process for the project.

Please also pass this document on to any other persons whom you know reside in or near to the exploration right application area. We welcome any comment or questions.

Yours faithfully

Matthew Hemming

MSc (Conservation Biology)

Environmental Assessment Practitioner

Rhino Oil and Gas Exploration South Africa (Pty) Ltd

LESEDI LA BOITSHETLEHO LA MORERO WA HO RAFA PETROLIAMO MAPOLASING A FAPANENG KAPA BOTJHABELA (295 ER) September 2015

SELELEKELA

Rhino Oil and Gas Exploration South Africa (Pty) Ltd e entse kopo ya ho fuwa ditokelo tsa ho rafa Mokgatlong wa Boemedi wa Petroliamo wa Afrika Borwa 'PASA' ho latela karolo ya 79 ya Molao wa Ntshetsopele ya Dihlahiswa tsa Diminerale le tsa Petroliamo, wa 28 wa selemo sa 2002 (MPRDA). Diminerale tse kenyeleditsweng kopong ena ke oli 'oil', kgase 'gas', khondenseiti 'condensate', mashala 'coal bed methane', 'helium', le kgase ya mofuta wa 'biogenic gas'. Sebaka se lokelang ho rafuwa se batsi mme se akaretsa mapolasi a Kapa Botjhabela haufi le moedi wa Lesotho (tadima setshwantsho sa 1).

Rhino Oil and Gas e rerile ho kena mohatong wa pele ho nako ya ho rafa petroliamo, ka ho tsepamisa maikutlo mehloding ya oli le ya kgase eo mohlomong e ka bang sebakeng se loketseng sa sebopeliso sa tikelohlo ya lefatshe. Sepheo ke ho tsepamisa boteng ba mehlodi ya petroliamo e ka fuputswang ho ya pele. Lananeo la dilemo tse 3 tsa pele tsa mosebetsing wa ho rafa le tla fella feela mosebetsing wa dithekniki tse fapapaneng tse sa tebang le tsa mehala ya diqhomane tsa fatshe le ho tjheka mekoti ya didiba tsa bohlokwa (core boreholes) tse 10. Ha ho a dumellwa mekgwa e meng ya ho tjheka hore e sebediswe mosebetsing ona wa ho rafa.

TSHEBETSO YA TUMELLO YA TIKOLOHO

Pele ho nehlanwa ka Ditokelo tsa ho Rafa tsa morero wa projekte e lohothwang PASA e lokela ho etsa le ho ananela tshebetso ya tlhahlabo ya tikelohlo ho latela Molao wa Naha wa Taolo ya Tikelohlo (NEMA) wa 107 wa selemo sa 1998. Rhino Oil and Gas e tla etsa kopo ya tumello ya tikelohlo ho PASA. Melawana ya Tlhahlobo ya Tshusumetso ya Tikelohlo ya 2014 (GN R982 e phatlaladitsweng ho ya ka NEMA) e a lokela mona jwalo ka ha kopo ya tokelo ya ho rafa e le tshebetso ya 18 Lenaneng la Tsebiso ya 2 (GN R984). Melawana ya Tlhahlobo ya Tshusumetso ya Tikelohlo (EIA) e hlalosa tshebetso ya tlhahlobo e kenyeletsang: mohato wa ho popola, mohato wa tlhahlobo ya tshusumetso ya tikelohlo (EIA) le lenaneo la taolo ya tikelohlo (EMPr). Seabo sa setjhaba ke sa bohlokwa tshebetso ya tlhahlobo ya tikelohlo.

SLR Consulting (Africa) (Pty) Ltd (SLR), feme e ikemetseng ya baeletsi ba tikelohlo, e fuwe mosebetsi ke Rhino Oil and Gas Exploration South Africa (Pty) Ltd ho laola tshebetso ya tlhahlobo ya tikelohlo.

Tokomane ena e hlophisitse ke SLR ho o tsebisa ka:

- * kopo le mesebetsi ya morero wa projekte e lohothwang;
- * tshebetso ya tlhahlobo ya tikelohlo e lokelang ho latelwa;

- * kutlwiso ya SLR ya monyetla wa tshusumetso ya tikelohlo; le
- * ka moo o ka kenyang letsoho ka teng tlhahlobong ya tikelohlo.

KAKARETISO YA MORERO WA PROJEKTE ENA

Kopo: Tumello ya tikelohlo ya Tokelo ya ho Rafa ho ya ka Karolo ya 79 ya MPRDA.

Diminerale tse Habilweng: oli, kgase, khondeseiti, methane ya mashala, helium le kgase ya bayojeniki 'biogenic'.

Sebaka: lebatowa la leboya-botjhabela ho Kapa Botjhabela, ka bophirimela ho Matatiele le haufi le moedi wa Lesotho. Tadima Setshwantsho.

Thepa ya ER: mapolasi a ~240 le dikarolo tsa teng, tadima lenane la Sehokelo sa 1.

Mesebetsi e Rerilweng: Tshebetso ya ho rafa ya mohato wa pele e jwalo ka tekolo ya lesedi, meralo, tihophollo ya jeokhemikhale, tihophollo ya 'apatite fission track', dipatalisiso tsa moya tsa FTG 'Full Tensor Gravity Gradiometry', diqhomane tsa fatshe le ho tjhekwa ha mekoti ya didiba ya sehloho. Ha ho mesebetsi o mong wa ho tjheka.

O KA ARABA JWANG

Dikarabelo tokomaneng ena di ka tliswa ka mokgwa wa leqephe le hoketsweng la maikutlo kapa ka ho ngola le/kapa ho buisana le SLR

O KOPANA LE MANG

Matthew Hemming or Stella Moeketse

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nomoro ya PASA ya tshupo(295 ER)

O kokuwa ho netefatsa hore nomoro ena ya tshupo e kenyeleditswe phapanetsanong ya ngollano yohle.

O a amohelwa ho ka qhalanya tokomane ena hore e fihlele ba bang ba ka bang le thahasello kapa ba amehang morerong wa projekte ena.

KAKARETSEO E KGUTSHWANYANE YA HO RAFSHWA HO LOHOTHWANG

KOPO

The Petroleum Agency South Africa e amohetse kopo e kentsweng ke Rhino Oil and Gas ya tokelo ya ho rafa dihlahiswa tsa petroliamo. Kamohelo ya kopo ena ke PASA e dumella mokopi feela ho tswela pele ka tshebetso e hlokehang mme ha e bope tumello. Kopo ya tumello ya tikoloho e lokela ho finyella ho PASA ka October 2015 mme ka morao ho moo e inyalanye le dinako tse behilweng tse tsepamisitsweng Melawaneng ya Tlhahlobo ya Tshusumetso ya Tikoloho ya 2014.

KAKARETSEO

Lenaneo la dilemo tse 3 la mosebetsi wa ho rafa le lohothwang ke Rhino Oil and Gas le reretswe ho tsepamisa hore ho na lemohlodi wa oli kapa wa kgase sebakeng se tla hloka hore se boele se rafuwe ho ya pele.

Selemong sa 1: tlhahlobo ya lesedi la sebaka sa majwe le diminerale /jeoloji ka dipatlisiso tse batsi tsa 'desk-top'. Boholo ba lesedi lena bo tla fumanwa ke ba nang le ditokelo tsa ho rafa feela. Matshwao a karolo ya sebopoho se senyane le sebopoho sa majwe a tla lokodiswa. Lesedi ka mohlobo wa mafika ya jeokhemistri le tla fumanwa. Dibopoho tsa jeoloji di ka nna tsa etswa.

Selemong sa 2: tlhophollo e nngwe ya lesedi la jeokhemikhale ha mmoho le monyetla wa ho sebedisa tlhophollo ya 'apatite fission track' le dipatlisiso tsa FTG (full tensor gradiometry gravity).

Selemo sa 3: theko le/kapa ho etsa dipatlisiso tsa diqhomane. Tshebetso ya ho qetela ya ho rafa e tla ba ho tjheka mekoti ya didiba tsa mantlha ditsheng tse tsebahaditsweng ho tloha mosebetsing wa pejana.

SEBAKA

Kopo ya tokelo ya ho rafa ke ya sebakeng se ka lebatoweng le ka leboya la Kapa Botjhabela mme ho kenyeletswa le mapolasi a ~240 sebakeng sa ~ 120 000 ha. Ka kakaretso sebaka seo ho rafuwang ho sona se ka bophirimela ho moedi wa Lesotho, ho tloha haufi le Qachas Nek bohole ba 20 km ka leboya ho Mt. Fletcher ka borwa. Sebaka sena se ka bophirimela ho tse la R56 dipakeng tsa Matatiele le Mt. Fletcher mme Maria-Linden Mission e kaharenyana feela ho moedi (tadima Setshwantsho se hoketsweng le lenaneo la mapolasi). Tshebetso ya ho rafa sebaka sena e tla etswa ditsheng tsa palo e itseng. Sebaka sa nnete sa ditsha tsena tse habilweng se ka tsepamiswa feela ha Rhino e se e phethile mehato ya mantlha le ho hlaloha lesedi le teng. Dithekni tse ka bang teng di kenyeletsa:

DIPATLISISO TSA FTG

Diphuputso tsa FTG (Full tensor gradiometry gravity) di tla etswa ho bontsha jeoloji ya sebaka e le ho thusa morerong ona wa ho rafa. Dipatlisiso tse jwalo di tla fofiswa ka sefapananyana tsa mapheo a tsitsitseng mme ha se hloke ho kena mapolasing.

DIPATLISISO TSA DIQHOMANE

Rhino e tla reka lesedi la diqhomane tsa fatshe moo di leng teng mme e ka sebedisa dipatlisiso tsa diqhomane tsena ho bontsha jeoloji ya sebaka. Nakong ya dipatlisiso ho ba le maqhubu a modumo a boemo bo tlase mme maqhubu a hlahelang a rekotwa. Tlhophollo ya maqhubu a kgutlang e fana ka lesedi ka mefuta ya mafika le dikgase tse ka bang teng kapa maro a dibopoho tsa mafika.

Rhino e rerile dipatlisiso tsa ho fihlela ho 100 km tsa mahlakore a mabedi (2D). Dihlopha tsa dipatlisiso di hlalisa matla a laolehang a modumo (ka ho sebedisa diqhomane, sethunya sa moyeng kapa diqhomane le ho rekota maqhubu a kgutlang ho dijeofounu 'geophones' tse hlontsweng sebakeng sa mela e tobileng 'linear alignment'.

Dihlopha tsa dipatlisiso di hloka monyetla wa nakwana wa ho kena mapolasing ho ya hloma thepa ya dipatlisiso le ho rekota lesedi. Metjha ya dipatlisiso e tla latela ditsela tse teng tse kenang le ditshitso ho ntse ho nketse hlohong meedi ya tikoloho.

HO TJHEKA

Ho lohothwa mekoti ya didiba e sa feteng 10 ya sehloho sebakeng sena kaofela seo ho tla rafuwa ho sona. Mekoti ya didiba e tla tjhekwa ka lori kapa treilera e hokeletsweng, thepa e tjhekanng ebile e le e tsamayang e lekanang hantle ka boholo le mokoti wa sediba. Ditsha tseo ho tla tjhekwa ho tsona di tla fihlellwa ka ho sebedisa ditsela tse teng le tsa mapolasing. Thepa ya ho tjheka e tla tsamaiswa le thepa ya tshetso (makoloi, ditreilera, dikhompresa, meqomo ya metsi, dipompo, kharavane jwalo jwalo). Thepa ya ho rafa eo e leng yona e hloka sebaka sa tshebetso sa boholo ba ntho e ka etsang 1 000 m². Tadima setshwantsho mona ka tlase.

Majwe a 'Rock core' a tla rafuwa sebakeng sena se habilweng mme a tloswe ho iswa laborathori. Sampole di tla hlalohjwa, di hlalose le ho fumana dikarolo tsa kgase. Ha mosebetsi wa ho tjheka o se o phethile tlhophiseletso tsena, thepa kaofela e amehang e tla tloswa sebakeng sena. Sediba se tla kwahelwa ho ya ka dipatlisiso tse ding kapa se dilwe ka samente haeba se sa hlokehe hore se tle se sebediswe hape. Mosebetsing ona o lohothwang ha ho a kenyeletswa taba ya ho febla metsi, tlhahlobo ya kगतello kapa tshebetso ya haedroliki ho tjheka didiba.

BASEBETSI LE BODULO

Mosebetsi wa mohato wa ho rafa pele o tla theha menyetla e seng mekae ya mosebetsi hobane mosebetsi o mongata o etswa ke bafani ba tshebeliso ya ditsebi. Khampani e tla thaotsha basebetsi ba kwano naheng ena haeba ho kgoneha.

Moifo wa dipatlisiso tsa diqhomane o na le basebetsi ba ka bang 20. Thepa ya mosebetsi wa ho tjheka e sebetsa ka batho ba ka bang 5. Ha ho menyetla ya bodulo e rerilweng mona. Moifo wa basebetsi o tla fuwa sebaka sa bodulo diteropong tse haufi kapa dibakeng tseo ho dumellanweng ka tsona le beng ba naha.

NAKO

Lenaneo la mosebetsi wa ho rafa le rerilwe ho nka nako ya dilemo tse 3. Lenaneo le arotswe ka mehato moo ho tla phethwa ka nngwe mme ho latele e hlahlamang.

Dipatlisiso tsa FTG di tla phethwa ka dihora tse seng kae. Dipatlisiso tsa diqhomane di etswa ka nako ya dikgwedi tse itseng empa moifo wa basebetsi le thepa o tla ba setsheng sena nakwana feela. Ho tjheka setsheng se seng le se seng ho ka nka kwedi e 1 ho isa ho tse 3 ho phethela mosebetsi.

TAOLO YA TIKOLOHO

Ho thehwa, ho laolwa le ho hlalolla ha ditsha kaofela tseo ho neng ho rafuwa ho tsona ke ntho e tla etswa ka ditherisano le beng ba naha. Tshebetso ya ho laola tshusumetso le tlabollo e tla etswa ho ya ka lenaneo la taolo ya tikoloho le etseditsweng morero wa projekte ena le ho ananelwa ke PASA.

MAKENO SEBAKENG SENA

Thepa ya praevete e tla fihlellwa feela ka tumello e fumanweng pele ho beng ba naha le ho ya ka tumello e ngotsweng. Ho na le monyetla wa hore bokeno bo hlokehe feela dibakeng tse seng kae sebakeng sena seo ho rafuwang ho sona. Tulo ya ditsha tseo ho rafuwang ho tsona e batla e tenyetseha 'flexible' haholo mme e ka lokiswa ho fokotsa tshitso ho beng ba naha, badudi, temo le tikoloho.

MABAKA A MORERO WA PROJEKTE E LOHOTHWANG

Dihlahiswa tsa Petroliami di dula e le mohlodi wa bohlokwa wa matla. Kgase ya tlhaho haholo e bopilwe ka 'methane' mme e batla e hlwekile, ke sebopoho se hlokanng kotsi sa tikolohong sa matla. E ka sebedisetswa ho febla motlakase kapa ho fana ka motjheso o ka sebediswang lapeng le ka mabaka a indastri. Hang ha kgase ena e rafuwang e ka kgona ho bolokwa ha bonolo, ya thotwa le ho sebediswa ka polokeho mesebetsing e mengata. Mofuta wa tshebetso ya tlhahiso o tswa feela sekaleng sa kgwebo sa mohlodi.

HO RAFA HA KAMOSO LE TLHAHISO

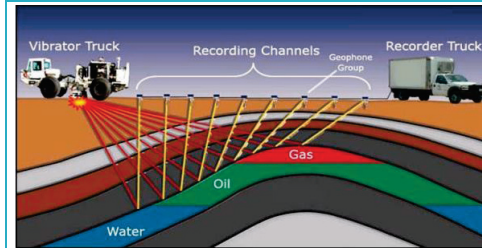
Kopo ya hona jwale ke feela ho fumana tumello ya mosebetsi jwalo ka ha o hlalositse ka hodimo (le ka dintlha Ripotong ya ho Popola). Mosebetsi ofe kapa ofe o tswelang pele wa ho rafa ho hlaloha mehlobo e tsebahaditsweng kapa tlhahiso ya kamoso o tla hloka kananelo e nnye e tswang PASA. Kananelo tse jwalo di tla itshetleha ditlhokong tse lokelang tsa molao tse kenyeletsang ditherisano tse ding tsa setjhaba le tlhahlobo ya tikoloho.

Rhino e utlwisisa hore ha ho molemo ho habanya monyetla wa tse la ya kamoso ya morero wa projekte ena hobane lethathama la dikgetho le batsi mme lesedi le fumanehang le a haella.

PHOTOS



Sebaka sa Diptlisiso sa FTG



Moralo wa dipatlisiso tsa 'seismic survey'



Mokgwa o tlwaelehileng wa ho tjheka



Mohlala wa tshebetso ya ho tjhekas



Tlhophollo ya 'Rock core'

MONYETLA WA TSHUSUMETSO YA TIKOLOHO

Ho bonahetse dintlha tse latelang tse qalang le monyetla wa ditshusumetso mme o tla fuputswa e le karolo ya tshebetso ya tlhahlobo ya tikoloho.

Polokeho ya Mapolasi – Ho kena ha batho ba sa tsejwang mapolasing mona ke ntho e ka bang le tshusumetso tshireletsong ya mapolasi. Ho tsamaisa dikoloi tse kgolo le thepa ho ka tlisa monyetla wa mathata a polokeho. Mollo o tjesang hlaha o ka tlisa monyetla wa mathata a polokeho bathong le diphooolong.

Tlhophiso tsa Motheo tsa Mapolasi – ditsela tsa mapolasing, digeiti le diterata tsa tshireletso ya sebaka di ka senyeha nakong ya mosebetsi wa ho rafa.

Mobu le Bokgoini ba Naha– tshebetso ditsheng tseo ho sebediswang diqhowane tsa fatshe ho tsona le ditsha tse tjhekhang e ka ba le tshusumetso mobung le bokgoning ba naha haeba e laolwa ka mkgwa o fokolang mme e sa hlabollwe.

Biayodaevesthi – mesebetsi e etswang ditsheng tsa diqhowane le tse tjhekhang e na le monyetla wa ho sitisa le/kapa ho senya dimela, diyuniti tsa setso 'habitat units' le tshebetso ya ikhosistimi, ho kenyeletswa tshitisio ya diphedi tse tshireleditsweng .

Metsi a ka hodimo ho lefatshe – Mesebetsi e lohothwang ho etswa ditsheng tsa diqhowane le tse tjhekhang e na le monyetla wa ho silafatsa mehlobo ya metsi a tswang ka hodimo ho lefatshe nakong ya tshebetso le ho fedisa dilafatsi.

Metsi a ka tlase ho lefatshe – ho tjhekwa ho lohothwang ho na le monyetla wa ho sebedisa le ho silafatsa mehlobo ya metsi a ka tlase ho lefatshe a ka susumetsang ho fumaneha ha metsi a ka tlase ho lefatshe ho batho ba bang le ikhosistime.

Moya – Morero wa projekte e lohothwang o na le monyetla wa ho silafatsa moya, haholo ka lebaka la marole a tla kupa moo ka lebaka la dipalangwang tse tsamayang tseleng tsa mobu wa mahlohlojane le ho tswa ha kgase e tswang didibeng tsa metsi 'boreholes'.

Lerata le ho thothomela ha lefatshe – Morero wa projekte e lohothwang o na le monyetla wa ho tlisa lerata nakong ya ha ho etswa mesebetsi ya ho tjeka. Dipatlisiso tsa diqhowane di ka senya dibopeho tsa sebaka le ho sitisa diphoofole le tse hlaha.

Tjhebahalo – ho behwa ha thepa ya diqhowane le ya ho tjheka e na le monyetla wa ho tlisa tjhebahalo ya nako e kgutshwanyane e sa kgahliseng.

Mehlobo e e leng Lefa la Tlhalo (heritage resources) – Morero wa projekte e lohothwang o na le monyetla o itseng wa ho senya mehlobo e e leng lefa la tlhalo.

Tshebetso ya Naha –Ditsha tsa diqhowane le tsa ho tjhekwa di ka nna tsa hohlana le tshebetso ya naha nakong e itseng.

Setjhaba le Ikhonomi – morero wa projekete ena o na le monyetla o fokolang wa ho ba le nyehelo setjhabeng le tshusumetsong ya ikhonomi. Tshusumetso e nepahetseng e kenyeletsa ho thehwa ha mesebetsi le ho felha ikhonomi ya sebaka seo le lebatowa. Monyetla wa tshusumetso e sa lokelang o kenyeletsa ditlolo tsa molao tse eketsehileng, ho qhalana ha mahloko le monyetla wa kगतello le ditshebeletsong tsa tshetso.

Tshusumetso e eketsehang le ya kamoso – le ha mosebetsi wa hona jwale o ka ba le tshusumetso e seng kae, ngongoreho ke hore kananelo ya mosebetsi ona e ka nna ya bulela merero ya diprojekete tse ding nakong e tlang tsa boemo bo bohlokwanyane. Ntho ena e ka tlisa tshusumetso e

kgolwanyane mme ha ba le bothata ba ho e kgaotsa ha ho se ho thesemeditswe matsete.

TLHAHLOBO YA TIKOLOHO

Tshebetso ya tlhahlobo e na le boikemisetso ba ho:

- fana ka lesedi le amanang le morero wa projekte ena le e meng
- fana ka lesedi mabapi le tikoloho e amehang;
- tsebahatsa, ka ditherisano le bathahaselli le/kapa baamehi (IAPs), monyetla wa tshusumetso e fohatseng le tshusumetso e loketseng ya morero wa projekte ena;
- fana ka tlhahlobo ya bohlokwa ba tshusumetso ena;
- ho ripota ka mehato ya taolo e hlokeheng ho fokotsa tshusumetso hore e fihlele boemo bo amohelehang; le
- ho netefatsa hore balaodi ba lokelang ba etsa diqeto tse bontshang kutlwisiso, tse bonaletsang le tsa boikarabelo.

MEHATO TSHETBETSONG YA TLHAHLOBO

Mohato wa Pele ho etswa Kopo (August ho isa October 2015)

Ho tsebahatsa le ho tsebisa baamehi le bathahaselli ha mmoho le balaodi ka morero wa projekte e lohothwang (ka mkgwa wa ditherisanong tse tobileng, dipapatso tsa dikoranta, ditsebiso tse manehang setsheng, le tokomane ena)

Kamohelo ya dintlha le dikarabelo tse tswang ho baamehi le bathahaselli (IAPs).

Tlhaloso ya dintlha tse saletseng morao le dipehelo tsa ditshupo tsa mosebetsi ho tsepamisa maikutlo tshusumetsong

Pokello ya ripoto ya ho popola

Ho nehelana ka kopo ho PASA (NEMA)

Mohato wa ho Popola (October – December 2015)

Ho etsa hore moralo wa ripoto ya ho popola o fumanehe hore o tle o lekolwe ke baamehi le bathahaselli (IAPs) le maggotla a mang a taolo.

Pokello ya maikutlo a baamehi le bathahaselli (IAP), ntjhafatso ya Ripoto ya ho Popola le ho e romela ho Balaodi.

Mohato wa EIA le wa EMP (January ho isa ho June 2016)

Ho etsa diphuputso dife kapa dife tsa botsebi.

Tlhahlobo ya tshusumetso ya projekte e lohothwang le ho bokella ripoto ya EIA le ya EMP.

Ho etsa hore e finyelle ho IAPs le maggotla a taolo bakeng sa tekolo.

Monyetla wa ho tshwara dikopanano tsa setjhaba moo ho fanwang ka maikutlo.

Pokello ya maikutlo a IAP, ntjhafatso ya EIA le EMP le ho di romela ho Balaodi ba etsang qeto.

Qeto le Boipiletso

PASA e tla lekola EIA le EMP mme e etse qeto.

Tsebiso ya IAPs le maggotla a taolo.

Tshebetso ya Boipiletso ho latela Melawana ya Boipiletso

NGODISO LE MAIKUTLO

Baamehi kaofela ba memelwa ho ingodisa jwalo ka Bathahaselli le Baamehi (IAP). O lokela ho ingodisa jwalo ka Mothahaselli le Moamehi haeba o rata ho fumana lesedi le batsi kapa o batla ho kena morerong wa projekte ya tlhahlobo ya tikoloho.

Ho ngodisa kapa ho hlalisa dintlha dife kapa dife tsa tikoloho kapa dingongoreho tse amanang le morero wa projekte ena, o kopuwa ho tlatsa Foromo ya Karabelo (**Response Form**) mme o e kgutlisetse ho SLR pele ho la **10 October 2015**. Bathahaselli le Baamehi (IAP) ba ngodisitsweng dathabeising ya morero wa projekte ena o tla fumana tsebiso ya lesedi le tswang dikopanong ha mmoho le ditekolo tsa diripoto kgafetsa.

Rhino Oil and Gas Exploration South Africa (Pty) Ltd

MORERO WA HO RAFA PETROLIAMO MAPOLASING A FAPANENG KAPA BOTJHABELA (295 ER)

FOROMO YA NGODISO LE DIKARABELO TSA BATHAHASELLI LE BAAMEHI

LEBITSO			
MOKGATLO/POLASI			
SETERATA KAPA ATERESE YA POSO			
	KHOUTU YA POSO		
MOSEBETSI/ NOMORO YA FOUNU YA MOTSHEARE	NOMORO YA FAX		
NOMORO YA SELFOUNU	E-MAIL		
TSELA YA MANGOLO E KGETHWANG (sedikadikwe)	POSO	FAX	EMAIL
SMS			
LETSATSI	Tshaeno		

DINTLHA TSA BATHO BA BANG BA NANG LE NAHA SEBAKENG SENNA KAPA BAO O NAHANANG HORE BA TSEBISWE:

O KOPUWA HO TSEBAHATSA THAHASELLO YA HAO MORERONG WA PROJEKTE ENA E LOHOTHWANG:

O KOPUWA HO NGOLA MAIKUTLO A HAO LE DIPOTSO TSA HAO MONA:

O kopuwa ho kgutlisetsa diforomo tse tlatsitsweng ho:

Matthew Hemming kapa Stella Moeketse

(011) 467 0978 (Fax) or Po Box 1596, Cramerview 2060

mhemming@sirconsulting.com or smoeketse@sirconsulting.com

MATATIELE		PTN
LEBITSO LA POLASI	No.	No.
SIBI 4	0	
GEORGE MOSHESH 13	0	
GEORGE MOSHESH 13	1	
NKAU 14	0	
NKAU 14	1	
NKAU 14	2	
NKAU 14	3	
NKAU 14	4	
NKAU 14	5	
NKAU 14	6	
ISAAC DIAHO 15	0	
ISAAC DIAHO 15	1	
ISAAC DIAHO 15	2	
ISAAC DIAHO 15	3	
ISAAC DIAHO 15	4	
KLEIN JONAS 16	0	
KLEIN JONAS 16	2	
KLEIN JONAS 16	4	
KLEIN JONAS 16	5	
TSITA MOSHESH 17	0	
TSITA MOSHESH 17	1	
TSITA MOSHESH 17	2	
TSITA MOSHESH 17	3	
TSITA MOSHESH 17	4	
TSITA MOSHESH 17	5	
MADLANGALA 18	0	
MADLANGALA 18	1	
MADLANGALA 18	2	
KOSANA 20	0	

THREE SISTERS 26	0
NEWLANDS 27	0
MC ALPINE 28	0
FREEMANTLE 29	0
MAKOMERENG 30	0
DEER PARK 32	0
DEER PARK 32	1
NOATSHA 33	0
THE EYRIE 34	0
THE EYRIE 34	1
UPLANDS 35	0
RHEEBOK'S RUST 52	0
BELFORT 53	0
BRAMWELL 54	0
BRAMWELL 54	1
BRAMWELL 54	2
BRAMWELL 54	3
DELL CRANNEY 55	0
DELL CRANNEY 55	1
GLEN ALFRED 56	0
GLEN ALFRED 56	1
GLEN ALFRED 56	2
GLEN ALFRED 56	3
THE RETREAT 57	0
TRAMORE 58	0
TRAMORE 58	1
TRAMORE 58	2
TRAMORE 58	3
TRAMORE 58	4
DE SCHUIUR 59	0
DE SCHUIUR 59	1
DE SCHUIUR 59	2

DE SCHUIUR 59	3
COCHET 60	0
COCHET 60	1
COCHET 60	2
GEORGEHERBERT 61	0
GEORGEHERBERT 61	2
HARRYEBDEN 62	0
WALLACE 66	0
ETHELDALE 67	0
ETHELDALE 67	1
ETHELDALE 67	2
LE GRANGE 69	0
LE GRANGE 69	1
LE GRANGE 69	2
MONT PLAISIR 70	0
MONT PLAISIR 70	1
MONT PLAISIR 70	2
MAFUBE MISSION STATION 71	1
BERG VIEW 72	0
BERG VIEW 72	1
BERG VIEW 72	2
ROLLAND 73	0
ROLLAND 73	1
DRAKENROCK 93	0
DRAKENROCK 93	1
DRAKENROCK 93	2
O'CONNORS CAMP 94	0
O'CONNORS CAMP 94	1
O'CONNORS CAMP 94	2
GLADSTONE 95	0
GLADSTONE 95	1

GLADSTONE 95	2
GLADSTONE 95	3
CHARLES MILLS 99	1
CHARLES MILLS 99	2
CHARLES MILLS 99	3
CHARLES MILLS 99	4
MARSHALLSCLARKE 100	0
SAUL 110	0
SAUL 110	1
HILDA HEATH 112	1
HILDA HEATH 112	2
AVONDALE 114	0
AVONDALE 114	1
AVONDALE 114	2
ALWINREIN 115	0
ALWINREIN 115	1
ALWINREIN 115	2
ALWINREIN 115	3
THE START 116	0
THE START 116	1
THE START 116	2
BESSDALE 117	0
MOLIFE 118	0
MILIFE 18	1
NTHOANTSO OUTSPAN 119	2
UPSALA 120	8
BERTIE VALE 121	0
VERONA TRADING SITE	241
MAPFONTEIN TRADING SITE	242
GEORGE MOSHESH 13	2

GEORGE MOSHESH 13	3
GEORGE MOSHESH 13	4
GEORGE MOSHESH 13	5
GEORGE MOSHESH 13	6
GEORGE MOSHESH 13	11
GEORGE MOSHESH 13	12
GEORGE MOSHESH 13	13
GEORGE MOSHESH 13	14
GEORGE MOSHESH 13	15
GEORGE MOSHESH 13	19
GEORGE MOSHESH 13	20
GEORGE MOSHESH 13	21
GEORGE MOSHESH 13	22
GEORGE MOSHESH 13	23
GEORGE MOSHESH 13	24
GEORGE MOSHESH 13	25
GEORGE MOSHESH 13	26
QUEENS MERCY TRADING SITE 249	0
MPARANA TRADING SITE 250	0
MARIA ZEL MISSION 270	0
BERTIEVALE 269	0
MANNING 277	0
MANNING 277	2
MOUNT FLETCHER	
LEBITSO LA POLASI	PTN No.
BLACKFONTEIN TRADING SITE	22
TABASE 46	0
TABASE 46	1
TINANA 47	0
DENGWANE 48	0

PABALLONG 51	0
PABALLONG 51	1
PABALLONG 51	2
PABALLONG 51	3
PABALLONG 51	5
PABALLONG 51	6
PABALLONG 51	7
THABA CHICHA 52	1
THABA CHICHA 52	2
THABA CHICHA 52	3
THABA CHICHA 52	4
THABA CHICHA 52	5
THABA CHICHA 52	6
THABA CHICHA 52	7
THABA CHICHA 52	8
THABA CHICHA 52	9
THABA CHICHA 52	10
KUEBUNG 53	0
KUEBUNG 53	1
SEQOBONG 54	0
SEQOBONG 54	1
SEQOBONG 54	2
SEQOBONG 54	3
SEQOBONG 54	4
SEQOBONG 54	5
NXOTSHANE 83	0
PIRINTSU 84	0

SLR Consulting (Africa) (Pty) Ltd

Rhino Oil and Gas Exploration South Africa (Pty) Ltd

IINKUKACHA NGENKCAZELO YOPHONONONGO LWEPETROLIYAM OLUCETYWAYO KWIIFAMA EZAHLUKAHLUKENEYO EMPUMA KOLONI (295 ER)

Septemba 2015

INTSHAYELELO

IRhino Oil and Gas Exploration South Africa (Pty) Ltd iye yafaka isicelo selungelo lokwenza uphononongo kwiPetroleum Agency South Africa (PASA) ngokuvisisana necandelo 79 leMinerals and Petroleum Resources Development Act (uMthetho Wophuhliso Lobuncwane Bezimbiwa NePetroliyam) we-28 ka-2002 (MPRDA).

Izimbiwa eziqukiweyo kwesi sicelo yioyile, igesi, ukujjivisa (condensate), i-coal bed methane (igesi efunyanwa emgodini wamalahle), i-helium (isiqalelo esiyigesi esingatsihiyo) ne-biogenic gas (igesi eyomileyo engumnxube weegesi). Ummandla ophononongwayo ubanzi kwaye uqka iifama eziseMpuma Koloni cebu kuhle kumda waseLesotho (bona uMfanekiso 1).

I-Rhino Oil and Gas izimisele ukuqalisa uphononongo lokuqala lwepetroliyam, ijolise ekukhangeleni iimveliso zeoyile negesi engafumaneka phakathi kumhlaba ofanelekileyo walapha. Injongo kukufumanisa ukuba zikho kusini na ezi zimbiwa zepetroliyam ezingathi ziphandwe ngokubhekele phaya. Iminyaka yokuqala emi-3 yokuphonononga iza kuphelela kumsebenzi ongenziwa ngqo, uphando lwenyikima nokomba okungaphantsi kwee-boreholes eziyi-10 ezingundoqo. Akukho kuqhekeza kwe-hydraulic okanye i-fracking (ukuqhekeza amatye ngamanzi) okucetywayo kolu phonongo.

INKQUBO YOKUGUNYAZISWA YENDALO ESINGQONGILEYO

Ngaphambi kokunikizela ngeLungelo Lokuphonononga lale projekthi icetywayo kumele kuqalwe kwenziwe inkqubo yokuphonononga indalo esingqongileyo ize yamkelwe ngokusemthethweni yi-PASA ngokuvisisana ne National Environmental Management Act, 107 ka-1998 (NEMA). I-Rhino Oil and Gas iza kwenza isicelo kwi-PASA icela isigunyaziso sendalo esingqongileyo. ImiMiselo Yokuphonononga Ifuthe Lendalo Esingqongileyo (Environmental Impact Assessment Regulations) (GN R982 okhuthazwe ngokuvisisana ne-NEMA) kucelwa ngayo ilungelo ilungelo lokwenza uphononongo lomsebenzi 18 kwi-Listing Notice 2 (iSaziso Soluhlu) (GN R984). ImiMiselo ye-EIA iyayicacisa inkqubo yokuphonononga equka: inqanaba lokupopola, ukuhlola ifuthe kwindalo esingqongileyo (EIA) kunye nesicwangciso sokulawulwa kwendalo esingqongileyo (EMPr). Into engundoqo kule nkqubo yokuphononongwa kwefuthe lendalo esingqongileyo yinxaxheba kawonke wonke.

I-SLR Consulting (Africa) (Pty) Ltd (SLR), inkampani ezimeleyo yabacebisi ngendalo esingqongileyo, iye yachongwa yi-Rhino Oil and Gas Exploration South Africa (Pty) Ltd ukuze ilawule le nkqubo yokuphononongwa kwendalo esingqongileyo.

Olu xwebhu luye lwalungiselwa yi-SLR ukuze naziwe:

- * ngesicelo nangemisebenzi ecetywayo yale projekthi;
- * ngenkqubo yokuphononongwa kwendalo esingqongileyo eza kulandelwa;
- * ngendlela i-SLR elijonga ngayo ifuthe elingakho kwindalo esingqongileyo; kunye
- * nendlela ongahlomla ngayo kuphononongo lwendalo.

ISISHWANKATHELO SEPROJEKTHI

Isicelo: IEnvironmental Autorisation for an Exploration Right (Isigunyaziso Sendalo Esingqongileyo Selungelo Lokuphonononga) ngokuvisisana neCandelo 79 leMPRDA.

Iiminerali Ezijongiweyo: ioyile, igezi, i-condensate (ujjiviso), i-coal bed methane (igesi efumaneka kumgodi wamalahle), ihelium (isiqalelo esiyigesi esingatsihiyo) nebiogenic gas (igesi eyomileyo engumnxube weegesi)

Indawo: ingingqi ekumtla ntshona weMpuma Koloni, intshona yeMatatiele napha cebu kuhle kumda waseLesotho. Bona uMfanekiso.

Iindawo ezikwi-ER: -iifama eziyi-240 neenxalenye, bona uludwe olukwisiHlomelo 1.

Imisebenzi ecetywayo: uphononongo lwenqanaba lokuqala – umsebenzi ofana nokuhlola idatha, ukumepha, uhlolo lweekhemikhali zejijografi, uhlolo lwe-apatite fission (umonakalo wemitha yelanga), i- Full Tensor Gravity Gradiometry Surveys (uHlolo Lokutshintsha Kwesantya Okubangelwa Ngumxhuzulane), uhloliso lwenyikima emhlabeni okanye ukombiwa kwemingxuma engundoqo (borehole). nokombiwa okungundoqo kweborehole. AKUKHO kuqhekezwa kwamanye ngamanzi.

INDELELA YOKUSABELA

Iintsabelo kolu xwebhu zingafakwa kusetyenziswe iphepha elilapha lamagqabaza okanye ubhale uze /okanye ngonxibelelwa lwe-SLR

UMNTU ONGATHETHA NAYE

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PO Box 1596, Cramerview 2060
mhemming@slrconsulting.com
okanye smoeketse@slrconsulting.com

Inombolo yembekiselo yePASA (295 ER)
Nceda uqinisekise ukuba le nombolo yembekiselo iqukiwe kuyo yonke imbalelwano.

Wamkelekile ukusasaza olu xwebhu kwabanye abantu abanokuba nomdla okanye abachaphazelekayo kule projekthi.

USHWANKATHELO OLUFUTSHANE LOPHONONONGO OLUCETYWAYO

ISICELO

IPetroleum Agency South Africa iye yamkela isicelo esivela kwiRhino Oil and Gas selungelo lokuphonononga kwiimveliso zepetroliyam. Xa esi sicelo sisamkelwa yiPASA kuze kube kuvunyelwa umfaki sicelo aqhubeke nenkqubo efunekayo kwaye akutsho ukuba ugunyazisiwe. Isicelo sesigunyaziso sendalo esingqongileyo simele sifakwe kwi-PASA ngo-Oktobha 2015 kuze emva koko kubanjelwe kumaxesha abekiweyo kwi-2014 Environmental Impact Assessment Regulations (imiMisele Yokuphonononga Ifuthe Kwindalo Esingqongileyo).

JIKELELE

Isicwangciso seminyaka emi-3 sokuphonononga esicetywe yi-Rhino Oil and Gas sijoliswe ekufumaniseni ukuba ikho kusini na ioyile okanye igesi kulo mmandla nto leyo eya kufuna ukuba kuphononongwe ngakumbi.

Unyaka 1: ukuphicotha iidata yokuma komhlaba kusenziwa uphando lwesedesikeni olupheleleyo. Ubukhulu becala le datha ifumaneka kuphela kumaqela anamalungelo okuphonononga. Kuza kulandelelwa ukuma nokwakheka komhlaba ongaphantsi kunye noholisiso lwa ngamanqanaba amatye. Kuza kuqokelelwa inkcazelo ngekhemistri yamatye athile (source-rock geochemistry). Kuza kuveliswa iimodeli ezingokuma komhlaba.

Unyaka 2: uhlobo olungakumbi lwedatha yokuma komhlaba kunye nokusetyenziswa okungakho kohlolo lwe umonakalo wemitha yelanga kunye uHlobo Lokutshintsha Kwesantya Okubangelwa Ngumxhuzulane (FTG).

Unyaka 3: ukuthenga kunye/okanye ukwenza uhlobo lwenyikima . Uphononongo lokugqibela iza kuba kukombiwa kwe-mingxuma (borehole) engundonqo eye yafunyanwa kumsebenzi obungaphambili.

INDAWO

Indawo ekucelwe ukuyiphonononga yingingqi ekumntla yaseMpuma Koloni kwaye iquka-iifama eziyi-240 ezikummandla ozii- ~ 120 000 ha. Ngamany' amazwi le ndawo iphononongwayo ihamba kumda osentshona waseLesotho, kufutshane neQachas Nek malunga neekhilomitha eziyi-20 kumntla we Mt. Fletcher kumazantsi. Lo mmandla uphaya kwintshona yendlela u- R56 phakathi kweMatatiele neMt. Fletcher kuquka i Maria-Linden Mission ephakathi kuloo mda (bona umFanekiso oalapha noludwe lweefama). Imisebenzi yophononongo lwasemhlabeni iza kwenziwa kuphela kwintshona elingqonileyo leendawo ezithile. Ezona ndawo ekuza kusetyenzwa kuzo zingaziwa kuphela xa iRhino iwagqibile amanqanaba okuqala ophononongo yaza yahlola nedatha efumanekayo. Imisebenzi esenokwenziwa iquka:

UHLOLO LWE-FTG

Uhlobo lwe-Full tensor gradiometry gravity (FTG) luza kwenziwa ukuze kwenziwe umfanekiso weyijoloji yangaphansi komhlaba ukuze luncede kolu phononongo. Oko phando luza kwenziwa ngenqwelo-ntaka kwaye aluzi kufuna kungenwe ezifama.

UHLOLO LWENYIKIMA

iRhino iza kuthenga iidata yenyikima xa zikhona kwaye isenokuqokelela uhlobo lwenyikima ukuze yenze umfanekiso wokuma komhlaba ophezulu. Xa kusenziwa uhlobo lwamaza e-acoustic aze ke amaze abonakalayo wona abhalwe phantsi.

Uhlobo lwamaza abuyayo lusinika inkcazelo ephathelele uhlobo lwamatye kwakunye neegesi neencindi ezikuloo nkcazelo yamatye.

IRhino iceba uhlobo lweekhilomitha eziyi-100 ze-two-dimensional (2D). Amaqela ohlobo aqulunqa amandla avela kwi-acoustic (lisebenzisa iziqhushumbisi, i-air gun okanye isilinganisi senyikima) kunye nengxelo yamaza abuyayo kwiziphulaphuli ze-geophones ezibekwe njengezihlobo zokulinganisa umgama ophakathi kwezinto. Iqela elihlalo liza kudingana ukungena okwexeshana kwiifama ukuze lifake izixhobo zokuhlola lize libhale ingxelo. ngedatha leyo. Iindawo ekwenziwa uhlobo kuzo ziza kulandela iindlela zokuhamba esele zikho kakade kwaye iziphazamiso ziya kujongwa ngokwezithintelo zendalo esingqongileyo.

UKOMBA

Kucetywa ukomba ii-boreholes ezingundoqo eziyi-10 kuwo wonke lo mmandla uhlobo lwayo. IiBoreholes ziza kombiwa ngomgqala ozinze kwilori okanye kwitreyila, efana ngesayizi womngxunya weborehole eqhelekileyo yamanzi. Iindawo ekuza kombiwa kuzo kufakwa kuzo kuhanjwa kwimigqo esele ikho kakade. Lo mgqala wokomaba uya kuba ukhathshwa zezinye izixhobo (iimoto, iitreyila, iikhompresa, iitanki zamanzi, iimpompo, iikharaveni njl). Eneneni owona mgqala wokuphonononga nezixho zawo zidinga kubekho umhlaba ekuza kusetyenzelwa kuwo oyi. 1 000 m². Bona iifoto ezilapha ngezantsi.

Umongo welitye uza kube utsalwa kwindawo omi kuyo uze uthunyelwe elaboratri. Kuza kuhlolwa iisampuli, zihlahlelwe zize zivavanywe ukuba zinazo na izinto ezidibene negesi.

Kwakugqitywa ukombiwa komgqala, zonke izixhobo ezilapho nenkunkuma ziza kushenxiswa kuloo ndawo. I-borehole iza kugqunywa kulindelwe uphando olulandelayo okanye ivalwe ngesamente ukuba ayisafuneki. Akukho manzi aza kufunxwa, kuhlolwe uxinzelelo lwawo okanye ukuqhekeza nge-hydraulic kwe-borehole okuza kubakho kulo msebenzi ucetywayo.

ABASEBENZI NEZINDLU

Inqanaba lokuqala lolu phononongo liza kudama amathuba ambalwa emisebenzi ekubeni umsebenzi omninzi ingowekontra ezinenkonzo yeengcali. Inkampani iza kuqesha abantu basekuhlaleni kangangoko inako. Iqela lohlobo lwenyikima linabasebenzi abayi-20. Umngxuma owombiwayo udla ngokugadwa liqela eliya kutsho kubantu aba-5. Akukho zindlu zokuhlala esizeni ezicetywayo. Abasebenzi baza kuhlala kwiidolophu ezikufutshane okanye kwiindawo ekuvunyelwene ngazo nomnini womhlaba.

IXESHA

Lo msebenzi wokuphonononga ucetyelwe ithuba elingaphezu kweminyaka emi-3. Esi sicwangciso sahlulwe sangamanqanaba aza kuthi xa elinye ligqitywa kuqale elinye. Uhlobo lwe-FTG luggithwa kwisithuba seeyure. Uhlobo lwenyikima lwenziwa kwisithuba seenyanga kodwa abasebenzi nezixhobo ziba sesizeni eso ithuba elifutshane. Ukomba kwisiza ngasinye kunokuthabatha iinyanga ezi-3 ukugqibela.

ULAWULO LWENDALO ESINGQONGILEYO

Ukuzinziswa, ukulawulwa nokubuyiselwa kwazo zonke iza zophononongo kuza kwenziwa ngoxa kumana kuthethwa nabanini bomhlaba. Le nkqubo yokulawula ifuthe nokubuyiselwa kweendawo zophononongo iza kuqhutya ngokuvisisana nesicwangciso sokulawulwa kwendalo

esingqongileyo eveliselwe le projekthi kwaye ivunye ngokusemthethweni yi-PASA.

UKUFIKELELWA KOMHLABA

Iindawo zabucala zabantu kuya kungenwa kuzo xa abanani bazo beye baqala bavuma kwaza kwabhalwa nesivumelwano. Kubonakala ngathi ziza kuba mbalwa iindawo zabantu ekuza kufuneka kungenwe kuzo apha kulo mmandla wokuphonononga.

Indawo eziza kuba kuyo iza zokuphonononga ibhethebhethe kwaye ingatshintshwa ukwenzela ukuphepha ukuphazamisa umnini womhlaba, abantu abahlala kuwo, ezolimo kunye nendalo esingqongileyo.

INTO ETHETHELELA LE PROJEKTHI ICETYWAYO

Iimveliso zepetroliyam ziya kuhlala zingumthombo wamandla. Igesi yemveli ubukhulu becala idla ngokuba yi-methane kwaye ngokuqhelekileyo icocokile noko, iluhlobo lwamandla oluvanayo nendalo esingqongileyo. Ingasetyenziswa ukuphepha umbane okanye ifudumeze emakhayeni nakumaziko oshishino. Xa sele yembiwe igesi kulula ukuyifaka ezintweni, ithuthwe ize isetyenziswe ngokukhuselekileyo kwizinto ezininzi. Uhlobo lokuyisebenzisa kwindawo esuka kuyo kuxhomekeke ngokupheleleyo kwizinga lezoshishino lobuncwane obo.

UPHONONONGO LWEXESHA ELIZAYO OKANYE IMVELISO

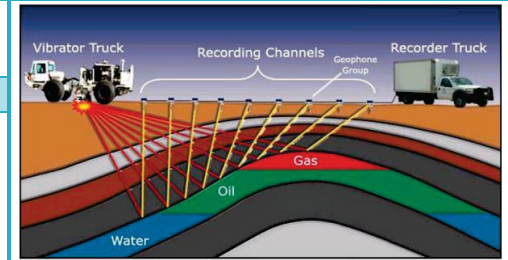
Esi sicelo sangoku sesokucela ukugunyaziswa komsebenzi njengokuba kubonise ngasentla (kwaye iinkcukacha zikwiNgxelo Yopopolo). Nawuphi na umsebenzi ongakumbi wophononongo wokuhlola ubuncwane obuboniweyo okanye ukuveliswa kwexesha elizayo kuza kufuna ukuba kuvunye yi-PASA. Oko kuvunye kuya kuxhomekeka kwizinto ezifunekayo ngokusemthethweni eziquka ukuba kuphinde kuthethwe nabantu nokuphonononga kwendalo esingqongileyo.

IRhino ikholelwa ukuba akuzi kunceda nganto ukube kuqashelwa ukuba le projekthi iza kuphelela phi kwixesha elizayo ekubeni emaninzi amathuba akhoyo ibe yona inkcazelo incinane kakhulu.

IIFOTO



Inqwelo moya yohlolo lwe-FTG



Uhlobo lwenyikima oluhleliweyo



Esona sixhobo sokomaba esingundoqo



Umkzekelo womsebenzi wokomaba



Isembiwa esigqunyweyo ukwenzela uphicotho

IFUTHE ELILINDELEKILEYO KWINDALO ESINGQONGILEYO

Kuye kwaphawulwa le miba ilandelayo nefuthe elisenokubakho kwaye iza kuphandwa njengenxalenye yenkqubo yophononongo lwendalo esingqongileyo.

Ukhuseleko Lweefama – Ukungena kwabantu abangaziwayo ezifama kunganento okuyenzayo kukhuseleko lweefama. Ukuqhuba izigadla nezixhobo kunganobungozi kukhuseleko. Imililo yamathafa ingabangela ingozi kubantu nakwizilwanyana.

Isakhelo Seefama – lindlela zasezifama, iigeyithi neengcingo zingonakaliswa ebudeni bomsebenzi wophononongo.

Ubuncwane bomhlaba– imisebenzi zenyikima nokomaba ezizeni kungabonakalisa ubuncwane bomhlaba ukuba akulawula kwakuhle kuze kungabuyiselwa.

Izinto ezahlukahlukeneyo eziphilayo–imisebenzi ekwiziza zenyikima nezombiwayo inamathuba okuphazamisa kunye/okanye okutshabalalisa utyani, iiyunithi ezimiweyo nezinye izinto ezinokuthanani nokuthungelana kwezidalwa eziphilayo.

Amanzi angaphezulu – Le misebenzi icetywayo kwiindawo zokomaba ze-seismic inamathuba okungcolisa amanzi angaphezulu ngokuwasebenzisa kuze kulahlwe izingcolisi.

Amanzi asemhlabeni – oku kwembiwa kucetywayo kunganamathuba okusebenzisa nokungcolisa amanzi asemhlabeni nto leyo enganefuthe ekubeni abanye abasebenzisa amanzi asemhlabeni bangawafumani ndalo nokuthungelana kwezinto eziphilayo.

UMOYA- le projekthi icetywayo inamathuba okuncedisa ekungcolisweni komoya, ingakumbi ngokuthuli olubangelwa zizizithuthi kwiindlela zegrabile nokuphuma kwegesi evela kwii-boreholes.

Ingxolo Nokudizizela – Le projekthi icetywayo inamathuba okubangela ingxolo xa kusembiwa. Uhlolo lweseismic lusengabantela umonakalo kwizakhiwo kuphazamise imfuyo nezilwanyana zasendle.

Ukubona– ukubekwa kwezixhobo zenyikima nokomaba kusengaphazamisa ukubona iindawo ezithile okwexeshana.

Ubuncwane bemveli – le projekthi icetywayo inamathuba angephi okonakalisa ubuncwan bemveli.

Ukusetyenziswa komhlaba – ukomaba kwenyikima kusengaphikisana nokusetyenziswa komhlaba ebudeni beli xesha.

Ezentlalo noqoqosho – le projekthi inamathuba angephi okuba nefuthe kwimeko yezentlalo noqoqosho. Ifuthe elihle liquka ukudalwa kwemisebenzi nokuvuselelwa koqoqosho lwasekuhlaleni nolwenqila. Ifuthe elisengalibi kwezentlalo noqoqosho ziquka ithuba lokwanda kolwaphulo-mthetho, ukusasazeka kwezifo nonxinzelelo kwiinkonzo zokuxhasa umsebenzi.

Ifuthe eliqokeleleneyo nelexesha elizayo – nangona umsebenzi okhoyo usenokuba nefuthe elingephi, into exhalabisayo kukuba ukuvunywa ngokusemthethweni kwalo msebenzi kungavula indlela yeprojekthi ezinkulu kulo mmandla. Zinganefuthe elikhulu kwaye kube nzima ukuziyeka ukuba sele kukho imali etyalwayo.

UPHONONONGO LWENDALO ESINGQONGILEYO

Uphononongo lwendalo esingqongileyo lujoliswe:

- ekuboneleleni ngenkcazelo yeprojekthi nezinye iindlela;
- ekuboneleleni inkcazelo ngendalo esingqongileyo esenokuchaphazeleka;
- ekuphawuleni, loo nto isenziwa kuthethwana namaqela anomdla kunye/okanye achaphazelekayo (ii-IAPs), ifuthe elisenokubakho elibi nelihle lale projekthi;
- ekuboneleleni ngophononongo lobungakanani befuthe;
- ekunikeleni ingxelo ngemilinganiselo efunekayo ukuze kuzanywe eli futhe libe kwizinga elamkelekileyo; kunye
- nokuqinisekisa ukuba izigqibo ezenziwa ngabasemagunyeni zisegqiqweni, azifihlwa kwaye zinenkathalo.

AMANYATHELO ENKQUBO YOPHONONONGO

Inqanaba laphambi kwesicelo (uAgasti ukuya kuOktobha 2015)

Ukukhangela nokwazisa ii-IAPs kunye namagunya awisa imiyalelo ngeprojekthi ecetywayo (kuthethwana ngokuthe ngqo, ngezibhengezo zamaphepha ndaba, izaziso ezisesizeni, olu xwebhu)

Ukuphulaphula iingxaki neempendulo zee-IAPs. Ukusingatha iingxaki ezisajingayo neengongoma ezithile zomsebenzi ukuze kujongwe ifuthe elisengakho Ukuqulunqa ingxelo yopopolo Ukufaka isicela kwi-PASA (neNEMA)

Inqanaba lopolopolo (UOkthoba - Disemba 2015)

Ukwenza ingxelo eyiliweyo efunekayo ukuze ihloliswe zii-IAPs namanye amagunya awisa imithetho. Ukuqokelela amagqabaza e-IAP, ukuhlaziya iNgxelo Yopopolo ize ithunyelwe kumaGunya awenza izigqibo.

Inqanaba le-EIA ne-EMP (uJanuwari ukuya kuJuni 2016)

Ukuqhuba naluphi na uphando lweengcali. Ukuphonononga ifuthe leeprojekthi ezicetywayo nokudibanisa i-EIA nengxelo ye-EMP.

Inikwe ii-IAPs namagunya awisa imithetho ukuze ayihlale. Kuhlutywe iintlanganiso ezisenokubakho zikawonke wonke. Kuqokelelwe amagqabaza e-IAP, kuhlaziywe i-EIA neEMPr aze athunyelwe kumagunya enza izigqibo.

Isigqibo Nokubhena

I-PASA imele ihlolise i-EIA ne-EMPr ize yenze isigqibo. Yzise ii-IAPs namagunya awisa imithetho. Ibe yinkqubo yezibheno ngokuvisisana nemiYalelo Yezibheno

IREJISTA NAMAGQABAZA

Bonke ababandakanyekayo bayaminywa beze kubhalisa ngengamaQela Anomdla Nachaphazelekayo (Interested & Affected Parties) (IAP). Umele ubhalise njenge- IAP ukuba ungathanda inkcazelo engakumbi okanye nqwenela ukuthabatha inxaxheba kule projekthi yokuphononga indalo esingqongileyo.

Ukuze ubhalise, okanye ubelise iingxaki zendalo esingqongileyo okanye izinto ezixhalabisayo za projekthi, nceda uzalise le **Fomu Yentsabelo** uze uyibusele kwi-SLR ingadlulanga i-**10 Octobha 2015**. Ii-IAPs ezibhalise kule projekthi ziza kwaziswa ngeentlanganiso zokuxubusha ngenkcazelo nangamaxesha okuhlola ingxelo.

Rhino Oil and Gas Exploration South Africa (Pty) Ltd

UPHONONONGO OLUCETYWAYO LWEPETROLIYAM KWIIFAMA EZAZHLUKAHLUKENEYO EMPUMA KOLONI (295 ER)

IFOMU YOKUBHALISA NEYENTSABELO YABO BONKE ABANOMDLA NAMAQELA ACHAPHAZELEKAYO

IGAMA				
UMBUTHO/IFAMA				
ISITRATO OKANYE IADRESI YEPOSI				
		IKHOWUDI YEPOSI		
INOMBOLO YOMNxeba YOMSEBENZI/YASEMINI		INOMBOLO YEFEKSI		
INOMBOLO YECCELLPHONE		I-IMEYILE		
INDELELA OYIKHETHAYO YEMBALELWANO (yenza isangqa)		IPOSI	IFEKSI	I-
IMEYILE I-SMS				
UMHLA		Utyobelo		

INKCUKACHA ZABANYE ABANTU ABANGABANINI BOMHLABA KWINDAWO LEYO OKANYE OVAKALELWA KUKUBA BAMELE BAXELELWE:

NCEDA UCHAZE UMDLA ONAWO KULE PROJEKTHI ICETYWAYO:

NCEDA UBHALE AMAGQABAZA AKHO NEMIBUZO APHA:

(sebenzisa amaphepha awongezelelekileyo)

Nceda ubuyisele iifomu ezigqityiweyo ku:

Matthew Hemming okanye uStella Moeketse
 (011) 467 0978 (Fax) or Po Box 1596, Cramerview 2060
mhemming@slrconsulting.com or smoeketse@slrconsulting.com

MATATIELE		PTN
IGAMA LEFAMA	No.	No.
SIBI 4	0	
GEORGE MOSHESH 13	0	
GEORGE MOSHESH 13	1	
NKAU 14	0	
NKAU 14	1	
NKAU 14	2	
NKAU 14	3	
NKAU 14	4	
NKAU 14	5	
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PIRINTSU 84	0

MOUNT FLETCHER		PTN
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DENGWANE 48	0	
PABALLONG 51	0	
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SLR Consulting (Africa) (Pty) Ltd

SLR Consulting (Africa) (Pty) Ltd

Rhino Oil and Gas Exploration South Africa (Pty) Ltd

BACKGROUND INFORMATION ON PROPOSED PETROLEUM EXPLORATION ON VARIOUS FARMS IN THE EASTERN CAPE (295 ER)

Version 2 January 2016

INTRODUCTION

Rhino Oil and Gas Exploration South Africa (Pty) Ltd has lodged an application for an exploration right with the Petroleum Agency South Africa (PASA) in terms of section 79 of the Minerals and Petroleum Resources Development Act, 28 of 2002 (MPRDA). Minerals included in the application are oil, gas, condensate, coal bed methane, helium and biogenic gas. The exploration area is broad and encompasses farms in the Eastern Cape adjacent to the Lesotho boundary (see Figure 1).

In this application Rhino Oil & Gas has only applied for approval to undertake early-phase exploration for oil and gas which might be located within suitable geological strata. The purpose of the work would be solely to determine the presence of any possible petroleum resource which could be investigated further. The 3-year exploration work programme will be restricted to non-invasive techniques, as well as seismic surveys and the drilling of less than 10 core boreholes.

ENVIRONMENTAL AUTHORISATION PROCESS

Prior to the granting of an Exploration Right for the proposed project an environmental assessment process must be conducted and approved by PASA in terms of the National Environmental Management Act, 107 of 1998 (NEMA). Rhino Oil and Gas will make an application to PASA for environmental authorisation. The 2014 Environmental Impact Assessment Regulations (GN R982 promulgated in terms of NEMA) are applicable as the application for an exploration right is activity 18 in Listing Notice 2 (GN R984). The EIA Regulations define the assessment process which includes: a scoping phase, environmental impact assessment (EIA) phase and an environmental management programme (EMPr). Public participation is a key component of the environmental assessment process.

SLR Consulting (Pty) Ltd (SLR), an independent firm of environmental consultants, has been appointed by Rhino Oil and Gas Exploration South Africa (Pty) Ltd to manage the environmental assessment process.

This document has been prepared by SLR to inform you about:

- * the application and proposed project activities;
- * the environmental assessment process to be followed; and
- * how you can have input into the environmental assessment.

The primary objective of the scoping process is to identify the key issues that need to be addressed in the assessment phase.

FRACKING or NOT?

No hydraulic fracturing (fracking) is included in the 3-year exploration programme proposed. Rhino Oil & Gas have stated that there is not currently enough information to determine what techniques might be required for future gas extraction.

If a resource was identified and subsequently proven to be commercial, then hydraulic fracturing could be one of the potential techniques for gas production. However, a lot of investigation, multiple environmental assessments and authority approvals would be required before reaching that point. This includes:

1. Complete the early phase exploration as proposed and approved through this application.
2. If the early-phase exploration were to confirm the presence of a potential resource, then Rhino Oil & Gas would seek further approval from PASA for the additional exploration work required to investigate this. Any further approval would be subject to an additional environmental assessment process with further public consultation. Approvals are also likely to be required other legislation.
3. Undertake the detailed phases of exploration as approved.
4. If the detailed exploration led to the discovery of a commercial resource suitable for development then Rhino Oil & Gas would need to secure a production right from PASA. Any application for a production right has to be subject to an environmental assessment process with further public consultation. Approvals are also likely to be required other legislation.
5. Develop the production project.

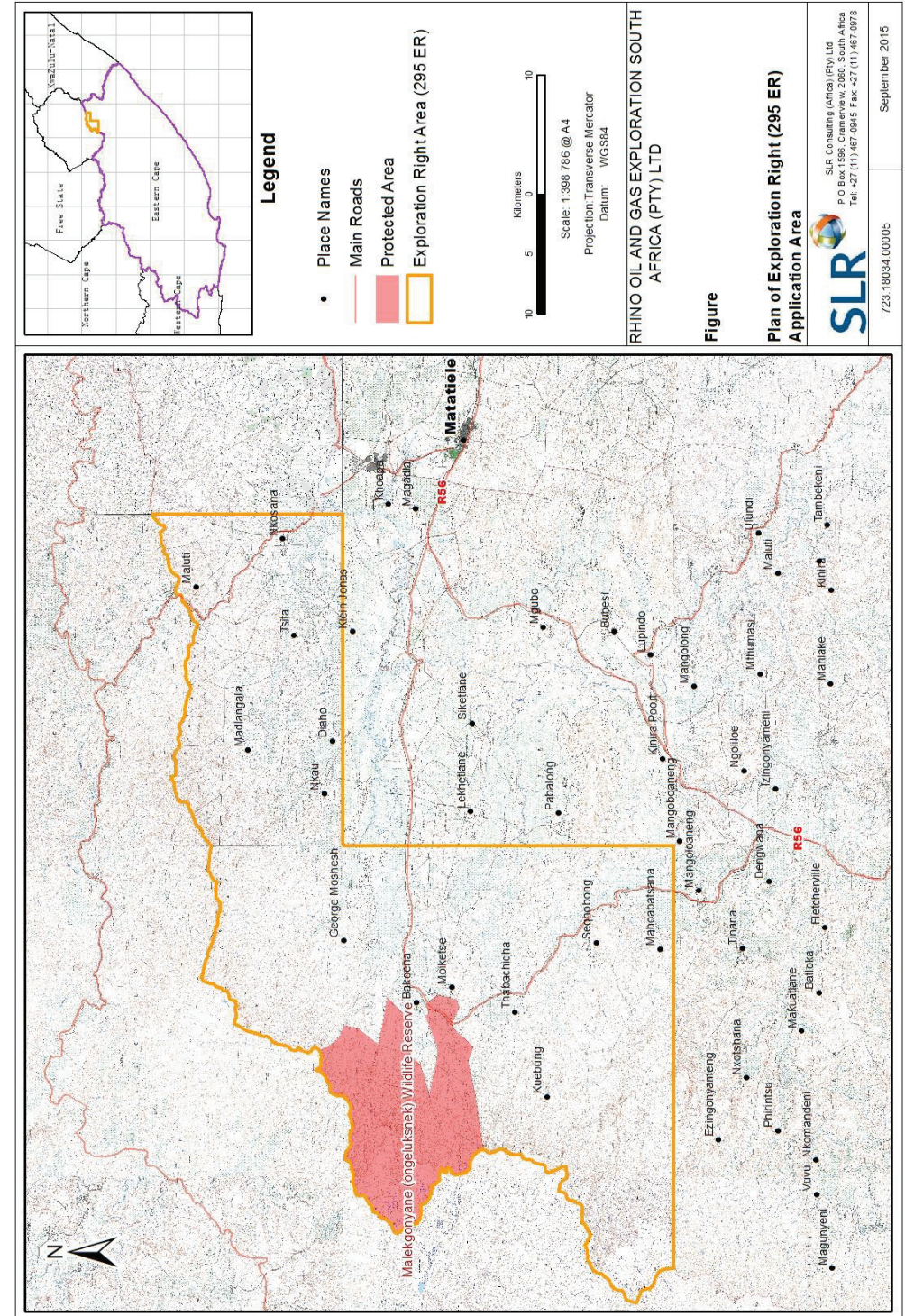
All future exploration or production activities that may arise if resources are discovered are therefore beyond the scope of the current scoping and EIA process.

HOW TO RESPOND

Responses to this document can be submitted by means of the attached comments sheet, by direct submission and/or through communication with SLR.

WHO TO CONTACT: **Matthew Hemming** or **Stella Moekete**

(011) 467 0945 (Tel) or (011) 467 0978 (Fax) or mhemming@slrconsulting.com or smoekete@slrconsulting.com



BRIEF OVERVIEW OF PROPOSED EXPLORATION

APPLICATION

The Petroleum Agency South Africa has accepted the application lodged by Rhino Oil and Gas for an exploration right for petroleum products. Acceptance of the application by PASA only permits the applicant to continue with the necessary process and does not constitute authorisation. An application for environmental authorisation was submitted to PASA in October 2015. The scoping and EIA process is subject to the timeframes prescribed in the 2014 Environmental Impact Assessment Regulations.

GENERAL

The 3-year exploration work programme proposed by Rhino Oil and Gas is aimed at determining if there is an oil or gas resource in the area that would warrant further exploration.

Year 1: the evaluation of geological data through a comprehensive desk-top study. Much of this data is only available to parties who hold exploration rights. Sub-surface structural features and stratigraphy will be mapped. Data on source-rock geochemistry will be acquired. Geological models may be developed.

Year 2: further geochemical data analysis as well as the possible use of apatite fission track analysis and full tensor gradiometry gravity (FTG) surveys.

Year 3: the drilling of core boreholes at target sites identified from the earlier work. The final exploration activity would be purchase and/or undertaking seismic surveys.

No pressure testing, hydraulic fracturing or water abstraction is included in the proposed exploration work.

LOCATION

The exploration right application area is the northern region of the Eastern Cape and includes ~220 farms over an area of ~120 000 ha. In broad terms the exploration area is bound in the west by the Lesotho boundary, from near Qachas Nek to approximately 20 km north of Mt. Fletcher in the south. The area lies to the west of the R56 road between Matatielle and Mt. Fletcher with the Maria-Linden Mission being just inside the boundary (see attached Figure and list of farms).

Physical, on-the-ground exploration activities will only be undertaken at a limited number of sites. The exact location of the target sites can only be determined once Rhino has completed the initial phases of exploration and examined the available data.

The application area excludes all properties where the granting of an exploration right is prohibited by Section 48 of the MPRDA. All other properties are included, even where a constraint may restrict exploration activity. Rhino Oil & Gas will ensure that their activities are only undertaken at sites where it is lawful and environmentally responsible to do so.

FTG SURVEYS

Full tensor gradiometry gravity (FTG) surveys will be undertaken to image subsurface geology in order to aid exploration. Such surveys will be flown in fixed wing aircraft and require no access to farms.

SEISMIC SURVEYS

Rhino will purchase seismic data where available and may commission seismic surveys to image subsurface geology. During a survey low frequency acoustic waves are generated and the reflected waves recorded. Analysis of the return waves provides information about rock types and possible gases or fluids in rock formations.

Rhino is planning up to 100 km of two-dimensional (2D) surveys. Survey teams generate controlled acoustic energy (using explosives, air gun or seismic vibrator) and record the return waves in geophones laid at set spacing in a linear alignment.

Survey teams require short-term access to farms to place survey equipment and record the data. Survey lines will follow existing access roads and disturbances with due consideration of environmental constraints.

DRILLING

A maximum of 10 core boreholes are planned across the exploration area. Boreholes would be drilled by a truck or trailer mounted, mobile drilling rig very similar in size to a water borehole rig. Drill sites will be accessed using existing roads and farm tracks. The drill rig will be accompanied by supporting equipment (vehicles, trailers, compressors, water tanks, pumps, caravan etc). A typical exploration rig and equipment requires an operating area of approximately 1 000 m². See photos below.

Rock core will be extracted from the target strata and removed to a laboratory. Samples will be examined, described and tested for gas related properties.

Once drilling is completed the rig, all associated equipment and waste products will be removed from site. The borehole will be capped pending further investigation or sealed with cement if not required further.

STAFF AND HOUSING

Early phase exploration will create relatively few job opportunities as most work is contracted to specialist service providers. The company will recruit locally as far as possible. A seismic survey team comprises about 20 staff. A drill-rig is normally manned by a crew of up to 5 persons. No on site housing facilities are planned. Staff will be accommodated in nearby towns or at locations agreed with land owners.

TIMING

The exploration work programme is planned over a 3 year period. The programme is divided in phases with successful completion of one phase informing the next.

FTG surveys are completed in a matter of hours. Seismic surveys are undertaken over a period of months but the personnel and equipment are on site for short periods. Drilling at each site can take 1 to 3 months to complete.

ENVIRONMENTAL MANAGEMENT

An environmental management programme will be written to prescribe commitments needed to ensure environmentally responsible operations. A key aspect will be the restriction or prohibition of exploration activities at sites which have been identified to be incompatible with exploration.

The establishment, management and rehabilitation of all

exploration sites will be done in consultation with land owners. The process of managing the operations, the impacts thereof and rehabilitating the exploration sites will be conducted in terms of the EMPr approved by PASA.

LAND ACCESS

It is likely that access will be required to only a few of the properties within the exploration area. Private property will only ever be accessed with prior consent of the landowner and then in terms of a written agreement. The locality of exploration sites is largely flexible and can be adapted to minimise disturbance to land owners, occupiers, agriculture and the environment.

MOTIVATION FOR THE PROPOSED PROJECT

Petroleum products remain a vital source of energy. Natural gas comprises mostly methane and is a relatively clean, environmentally friendly form of energy. It can be used to generate electricity or provide heat for domestic and industrial purposes. Once extracted gas can be easily contained, transported and safely used in many applications. The type of downstream use is entirely dependent on the commercial scale of the resource.

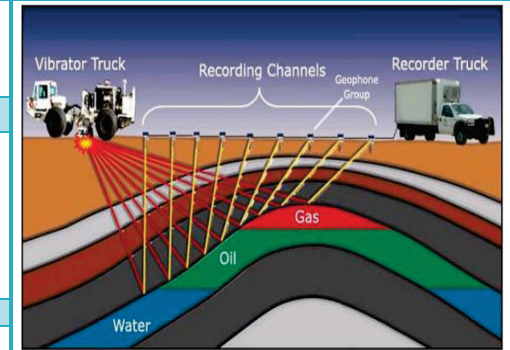
FUTURE EXPLORATION OR PRODUCTION

The current application is only to authorise the work as described above (and in detail in the Scoping Report). Any further exploration work to evaluate an identified resource or a future production would require further approval from PASA in terms of the MPRDA & NEMA. Such approvals will be subject to the relevant legal requirements which include further public consultation and environmental assessment. Rhino maintains that it is not useful to speculate on the possible future direction of the project as the range of options is vast and the available information very limited.

PHOTOS



Typical FTG Survey plane



Schematic of seismic survey



Example of drilling operations



Rock core recovered for analysis

PUBLIC RESPONSE TO DATE

Notification to and consultation with IAPs commenced in October 2015. A series of public meetings were held across the application area in November 2015. The public participation process to date has elicited significant response to the application. Overall the public response is very much **opposed to the exploration right application** and this has been documented.

The issues that have been raised are too numerous to elaborate on here, but included calls for further consultation and a demand that more time be allowed in the scoping and EIA schedule. SLR consulted with PASA on five key issues that were material to the overall application and the EIA process. A summary of each issue and an extract of the response from PASA are provided below:

Issue 1: Most persons participating in the EIA process stated their opposition or lodged an objection. Many of the objections were made with reasons relating to production and fracking. It is clear that the EIA process will not be able to resolve such objections. What mechanisms exist for these objections to be addressed? PASA: *"There is no mechanism under NEMA to address objections, however as part of the EIA process the EAP must consider issues raised and engage with respective parties to resolve or provide clarity on issues raised. Section 10 of the MPRDA provides for the Regional Mining Development and Environmental Committee to consider and advise the Minister on objections received in respect of applications."*

Issue 2: Most IAPs have demanded that the current EIA process present details on production and undertakes an assessment of potential production (including fracking) related impacts, even though the current application does not cover further exploration or production. What is PASA's instruction with regards the scope of the current EIA?

PASA: *"The current EIA is aligned with the proposed exploration work programme submitted with the application for an exploration right. If the applicant wanted to pursue any activities beyond the scope of the proposed work programme then environmental authorisation for such activities would have to be obtained. This process provides for further engagement with IAPs and in-depth assessment of the associated issues."*

Issue 3: Many IAPs have asked why the current Karoo Strategic Environmental Assessment (SEA) is not applicable to all areas of South Africa. Moreover, the IAPs have demanded that all exploration right applications and related EIA processes be stopped until the SEA is complete. What is PASA's response in this regard?

PASA: *"The scope and terms of reference for the SEA are finalised and the assessment has commenced. Queries on*

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the SEA should be directed to the Department of Environmental Affairs as the driver of that process."

Issue 4: Most IAPs have argued that the time available in the current EIA schedule is insufficient to allow for the required public consultation for an application area of such large extent. Will PASA grant an extension of time within the EIA process to allow the project to respond to these issues and adjust the public participation process accordingly?

PASA: *"The Agency can consider requests received in writing from the EAP or applicant to extend the timeframe provided that the requests comply with the provisions of the EIA Regulations."*

In order to incorporate further public interaction and investigation to augment the scoping process, SLR applied to PASA for an extension of time. In December 2015 PASA granted an extension for the scoping process, with the requirement that the final scoping report be submitted to PASA by the 20th of April 2016.

Issue 5: IAPs have raised the concern that many properties/sites within the application areas are either protected outright or incompatible with exploration and/or the production of oil and gas. In some instances legislation prevents exploration work from taking place in these areas. The question has been asked "why undertake an EIA to obtain exploration rights in areas where any gas, if it were to be found, would not be able to be extracted because of the restrictions imposed by protected area legislation and Regulation 122 of the Petroleum Regulations (GN R 466 of 2015) relating to the location of wells?". The demand is that the application be stopped, all of the future non-compatible/unlawful areas removed and then a new EIA be commenced for the revised area. What is PASA's response in this regard?

PASA: *"The EAP has the responsibility to identify environmental attributes; to assess the risks and impacts and provide appropriate mitigation measures. In doing so the EAP has the obligation to consider and apply the provisions of the relevant environmental legislation. PASA, as the regulator, has no authority to direct the EAP or applicant to stop the EIA to remove incompatible areas. The application will be evaluated in line with the provisions of NEMA and other relevant legislation. The Agency will make recommendations that will be aligned with the relevant provisions to ensure that specified environment receives the necessary protection."*

The application and the scoping and EIA process will be undertaken in accordance with the guidance from PASA.

POTENTIAL ENVIRONMENTAL IMPACTS

The following issues and impacts are examples of concerns related to exploration. Their inclusion in this list is neither indication to the probability of occurrence nor an indication of possible significance. Relevant issues identified during scoping will be investigated as part of the EIA process.

Farm Safety – Access by unknown persons to farms has the potential to influence security on farms. Operating heavy vehicles and equipment may pose safety risks. Run away fires may present a potential safety risks for both people and livestock.

Farm Infrastructure – farms roads, gates and fences may be damaged during exploration activity.

Soil and land capability– activities at the seismic and drill sites may affect soils and land capability if poorly regulated and not rehabilitated.

Biodiversity – activities at the seismic and drill sites have the potential to disturb and/or destroy vegetation, habitat units and related ecosystem functionality, including the disturbance of protected species.

Surface water – The proposed activities at the seismic and drill sites has the potential to pollute surface water resources through consumptive use and the discharge of contaminants.

Groundwater – the proposed drilling has the potential to consume and contaminate groundwater resources which could impact availability to other groundwater users and the ecosystem.

Air – The proposed project has the potential to contribute to air pollution, particularly through dust emissions from vehicles on gravel roads and the release of gas from boreholes.

Noise and vibrations – The proposed project has the potential to cause noise pollution during drilling activities. Seismic surveys may cause damage to structures and disturb livestock and wildlife.

Visual – the placement of seismic and drilling equipment has the potential to create short-term visual impacts.

Heritage resources – the proposed project has limited potential to damage heritage resources.

Land use –The seismic and drill sites may conflict with land use for the duration.

Socio-economic – the project has very limited potential to contribute towards socio-economic impacts. Positive impacts include job creation and stimulation of the local and regional economy. Potential negative socio-economic impacts include potential for increased crime, spread of disease and pressure on support services provision.

Cumulative and future impacts – although the current work may have limited impacts, a concern is that approval of this work could open the way for future, larger-scale projects in the area. These may have much greater impact and be difficult to stop if investment has been made.

ENVIRONMENTAL ASSESSMENT

The assessment process aims to:

- provide information on the project & alternatives
- provide information on the potentially affected environment;
- provide an assessment of the significance of the identified impacts;
- report on management measures required to mitigate impacts to an acceptable level; and
- allow for informed, transparent and accountable decision-making by the relevant authorities.

STEPS IN THE ASSESSMENT PROCESS

Pre Application phase (August to October 2015)

Identify and inform IAPs & regulatory authorities of the proposed project (via direct consultation, newspaper advertisements, site notices, this document)

Receive issues and responses from IAPs.

Submit application to PASA (to NEMA)

Scoping phase (October – April 2016)

Continued consultation and receipt of responses. Identify issues that need to be addressed.

Define outstanding issues and terms of reference for work to address potential impacts

Compile scoping report

Make draft scoping report available for review by IAPs and other regulatory authorities.

Collect IAP comments, update Scoping Report and forward to decision making Authorities.

EIA and EMP phase (May to September 2016)

Undertake any specialist investigations. Assess impacts of proposed project and compile EIA and EMP report.

Make this available to IAPs and regulatory authorities for review.

Host possible public-feedback meetings.

Collect IAP comments, update EIA and EMP and forward to decision making Authorities.

Decision and Appeal

PASA to review EIA and EMP and make a decision. Notify IAPs and regulatory authorities.

Appeal process in terms of Appeal Regulations

REGISTER AND COMMENT

All stakeholders are invited to register as Interested & Affected Parties (IAP). You must register as an IAP if you would like more information or wish to participate in the environmental assessment of the project.

To register, or to raise any environmental issues or concerns regarding the project, please complete the **Response Form** and return it to SLR at your earliest convenience. IAPs registered on the project's database will receive notification of further meetings, report review periods and the decision.

Rhino Oil and Gas Exploration South Africa (Pty) Ltd

PROPOSED PETROLEUM EXPLORATION ON VARIOUS FARMS IN EASTERN CAPE (295 ER)

REGISTRATION AND RESPONSE FORM FOR INTERESTED AND AFFECTED PARTIES

NAME			
FARM/PROPERTY or			
ORGANISATION			
STREET OR POSTAL ADDRESS			
		POSTAL CODE	
WORK/ DAY TELEPHONE NUMBER		FAX NUMBER	
CELL PHONE NUMBER		E-MAIL	
PREFERRED CORRESPONDENCE (circle)		POST	FAX EMAIL SMS
DATE	Signature		

DETAILS OF OTHER PEOPLE WHO OWN LAND IN THE AREA OR YOU FEEL SHOULD BE INFORMED:

PLEASE IDENTIFY YOUR INTEREST IN THE PROPOSED PROJECT:

PLEASE WRITE YOUR COMMENTS AND QUESTIONS HERE:

(use additional pages if required)

Please return completed forms to:

Matthew Hemming or Stella Moeketse
(011) 467 0978 (Fax) or Po Box 1596, Cramerview 2060
mhemming@slrconsulting.com or smoeketse@slrconsulting.com

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BERG VIEW 72	0
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DRAKENROCK 93	0
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O'CONNORS CAMP 94	0
O'CONNORS CAMP 94	1
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	MADLANGALA 18	1
	MADLANGALA 18	2
	KOSANA 20	0

SEQOBONG 54	4
SEQOBONG 54	5
NXOTSHANE 83	0
PIRINTSU 84	0

MOUNT FLETCHER		PTN No.
FARM NAME		
BLACKFONTEIN TRADING SITE		22
TABASE 46		0
TABASE 46		1
TINANA 47		0
DENGWANE 48		0
PABALLONG 51		0
PABALLONG 51		1
PABALLONG 51		2
PABALLONG 51		3
PABALLONG 51		5
PABALLONG 51		6
PABALLONG 51		7
THABA CHICHA 52		1
THABA CHICHA 52		2
THABA CHICHA 52		3
THABA CHICHA 52		4
THABA CHICHA 52		5
THABA CHICHA 52		6
THABA CHICHA 52		7
THABA CHICHA 52		8
THABA CHICHA 52		9
THABA CHICHA 52		10
KUEBUNG 53		0
KUEBUNG 53		1
SEQOBONG 54		0
SEQOBONG 54		1
SEQOBONG 54		2
SEQOBONG 54		3

SLR Consulting (Africa) (Pty) Ltd

Rhino Oil and Gas Exploration South Africa (Pty) Ltd

LESEDI LA BOITSHETLEHO LE AMANANG LE HO RAFUWA HO LOHOTHWANG HA PRETROLIAMO MAPOLASING A FAPANENG A KAPA BOTJHABELA (EASTERN CAPE) (295 ER)

Karolo ya 2 January 2016

SELELEKELA

Rhino Oil and Gas Exploration South Africa (Pty) Ltd e ents'e kopo ya ho fuwa ditokelo tsa ho rafa Mokgatlong wa Boemedi wa Petroliamo wa Afrika Borwa 'PASA' ho latela karolo ya 79 ya Molao wa Ntshetsopele ya Dihlahiswa tsa Diminerale le tsa Petroliamo, wa 28 wa selemo sa 2002 (MPRDA). Diminerale tse kenyeleditsweng kopong ena ke oli 'oil', kgase 'gas', khondenseiti 'condensate', mashala 'coal bed methane', 'helium', le kgase ya mofuta wa 'biogenic gas'. Sebaka se lokelang ho rafuwa se batsi mme se akaretsa mapolasi a Kapa Botjhabela haufi le moedi wa Lesotho (tadima setshwants'ho sa 1). Kopong ena Rhino Oil & Gas e kopile feela kananelo ya ho rafa oli le kgase karolong ya pejana e ka fumanehang sebakeng se lokelang sa tikoloho ena. Sepheo ka mosebetsi ona e tla ba feela ho tsepamisa boteng ba monyetla ofe kapa ofe wa mohlodi wa petroliamo o ka batlisiswang ho feta mona. Lenaneo la mosebetsi wa dilemo tse 3 wa ho rafa le tla sebedisa feela mekgwa e sa phunyeletseng, ha mmoho le dipatlisiso tsa diphuputso ekasitana le mosebetsi wa ho tjheka mekoti ya didiba tsa bohlokwa tse ka tlase ho 10 feela.

TSHEBETSO YA TUMELLO YA TIKOLOHO

Pele ho nehelanwa ka Ditokelo tsa ho Rafa tsa morero wa projekte e lohothwang PASA e lokela ho etsa le ho ananela tshebetso ya tlhahlabo ya tikoloho ho latela Molao wa Naha wa Taolo ya Tikoloho (NEMA) wa 107 wa selemo sa 1998.

Rhino Oil and Gas e tla etsa kopo ya tumello ya tikoloho ho PASA. Melawana ya Tlhahlobo ya Tshusumetso ya Tikoloho ya 2014 (GN R982 e phatlaladitsweng ho ya ka NEMA) e a lokela mona jwalo ka ha kopo ya tokelo ya ho rafa e le tshebetso ya 18 Lenaneng la Tsebisano ya 2 (GN R984). Melawana ya Tlhahlobo ya Tshusumetso ya Tikoloho (EIA) e hlalosa tshebetso ya tlhahlobo e kenyeletsang: mohato wa ho popola, mosebetsi wa ho rafa o hlokehang ho batlisisa sena. Kananelo efe kapa efe e nne e tla hloka hore ho etswe ditlhahlobo te ding tsa tikoloho ka tshebedisano e ntshetswang pele le setjhaba. Dikananelo mohato wa tlhahlobo ya tshusumetso ya tikoloho (EIA) le lenaneo la taolo ya tikoloho (EMPr). Seabo sa setjhaba ke sa bohlokwa tshebetso ya tlhahlobo ya tikoloho.

SLR Consulting (Pty) Ltd (SLR), e leng feme e ikemetseng ya baeletsi ba tsa tikoloho, e fuwe mosebetsi ke Rhino Oil and Gas Exploration South Africa (Pty) Ltd ho tsamaisa tshebetso ya tlhahlobo ya tikoloho.

Tokomane ena e hlophisitse ke SLR ho tsebisa ka:

- * kopo le mesebetsi ya morero wa projekte e lohothwang;
- * tshebetso ya tlhahlobo ya tikoloho e lokelang ho latelwa; le
- * ka moo o ka bang le seabo ka teng tlhahlobong ena ya tikoloho.

O LOKELA HO ARABELA JWANG

Dikarabo tsa tokomane ena di ka romelwa ka ho kengwa leqepeng le hoketsweng la maikutlo, ka tsela e tobileng le/kapa ka puisano le SLR.

O KA IKOPANYA LE MANG: **Matthew Hemming kapa Stella Moeketse**

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SLR Consulting (Africa) (Pty) Ltd

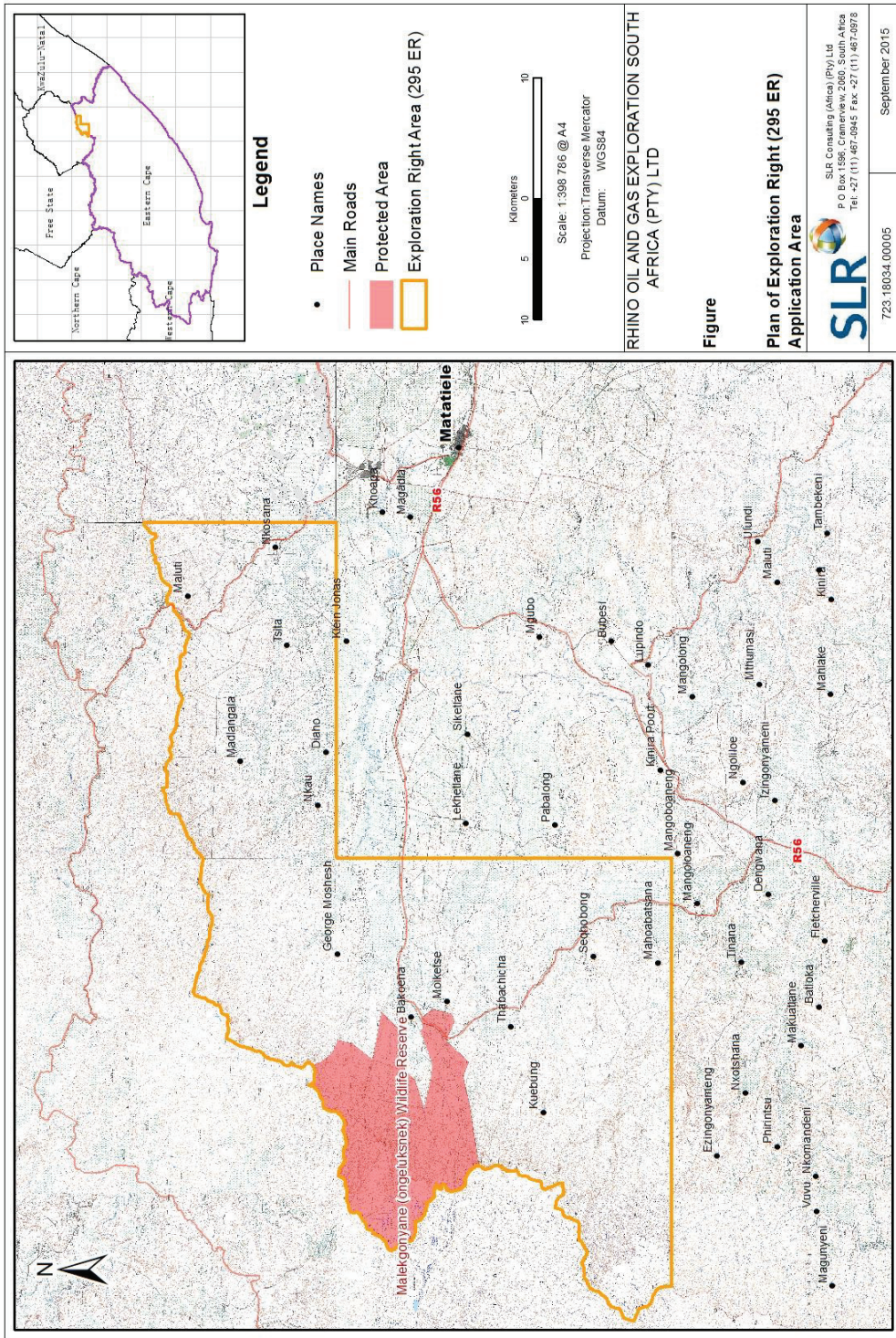
Boikemisetso ba sehloho ba tshebetso ena ya ho popola ke ho tsebahatsa dintlha tsa bohlokwa tse lokelang ho rarollwa mohatong ona wa tlhahlobo.

HO TJHEKA KAPA HO SE TJHEKE LEFATSHE?

Ha ho moo ho kenyeleditsweng ho tjheka moo ho sebediswang haedroliki lenaneo le lohothwang la dilemo tse 3 tsa ho rafa. Rhino Oil & Gas e hlalositse hore nakong ya hona jwale ha ho lesedi le lekaneng la ho tsepamisa hore ho tla hlokeha maqiti a mofuta ofe a ho hula kgase ka tlase ho lefatshe nakong e tlang.

Haeba mohlodi o ne o se o tsebahaditswe ebile o se o bontshitswe hore ke wa kgwebo, ho tjheka ka mekgwa wa haedroliki e ne e ka ba o mong wa mekgwa e ka nnang ya sebediswa tlhahlong ya kgase. Le ha ho le jwalo, ho tla hlokeha dipatlisiso tse matla, ditlhahlobo tse ngata tsa tikoloho le kananelo ya balaodi pele ho fihlelwa mohato oo. Mona ho kenyeletswe:

1. Ho phethela kgato ya pejana jwalo ka ha ho sisinnngwa le ho ananelwa ho ya ka kopo ena.
2. Haeba mohato wa pejana wa ho rafa o ne o ka tiisa boteng ba monyetla wa mohlodi, Rhino Oil & Gas e ne e tla batla kananelo e nngwe ho PASA bakeng sa mosebetsi o mong wa ho batlisisa sena. Kananelo e nngwe hape e ne e tla itshetleha tshebetso ya tlhahlobo e nngwe ya tikoloho ka tshebedisano le setjhaba hape. Ho ka nna ha hlokeha dikananelo tse ding ho ya ka molao o mong.
3. Ho kena mehatong e tebileng ya ho rafa jwalo ka ha ho ananetswe.
4. Haeba ho rafa ho tebileng ho ile ha tisa tshibollo ya mohlodi wa kgwebo o lokelang wa ntshetsopele, Rhino Oil & Gas e nne e tla hloka ho fumana tokelo ya tlhahlobo ho PASA. Kopo e nngwe le e nngwe ya tokelo ya tlhahlobo e lokela ho amana le tshebetso ya tlhahlobo ya tikoloho ha mmoho le ditherisano tse ding le setjhaba. Dikananelo di ka nna tsa hlokeha mabapi le molao o mong.
5. Ntshetsopele ya morero wa tlhahlobo. Tshebetso tsa kamoso kaofela tsa ho rafa kapa tsa tlhahlobo tse ka tsalwang ke tshibollo ya mohlodi ha di nyallane le tshebetso ya hona jwale ya ho popola le ya tlhahlobo ya tshusumetso ya tikoloho (EIA).



KAKARETSE E KGUTSHWANYANE YA HO RAFSWA HO LOHOTHWANG

KOPO

The Petroleum Agency South Africa e amohetse kopo e kentsweng ke Rhino Oil and Gas ya tokelo ya ho rafa dihlahiswa tsa petroliamo. Kamohelo ya kopo ena ke PASA e dumella mokopi feela ho tswela pele ka tshebetso e hlokehlang mme ha e bope tumello. Kopo ya tumello ya tikoloho e lokela ho finyella ho PASA ka October 2015. Tshebetso ya ho popola le ya tlhahlobo ya tshusumetso ya tikoloho (EIA) e itshetlehile dinakong tse behilweng tse tsepamisitsweng Melawaneng ya Tlhahlobo ya Tshusumetso ya Tikoloho ya 2014.

KAKARETSE

Lenaneo la dilemo tse 3 la mosebetsi wa ho rafa le lohothwang ke Rhino Oil and Gas le reretswe ho tsepamisa hore ho na le mohodi wa oli kapa wa kgase sebakeng se tla hloka hore se boele se rafuwe ho ya pele.

Selemong sa 1: tlhahlobo ya lesedi la sebaka sa majwe le diminerale /jeoloji ka dipatlisiso tse batsi tsa 'desk-top'. Boholo ba lesedi lena bo tla fumanwa ke ba nang le ditokelo tsa ho rafa feela. Matshwaa a karolo ya sebopoho se senyane le sebopoho sa majwe a tla lokodiswa. Lesedi ka mohodi wa mafika ya jeokhemistri le tla fumanwa. Dibopoho tsa jeoloji di ka nna tsa etswa.

Selemong sa 2: tlhophollo e nngwe ya lesedi la jeokhemikhale ha mmoho le monyetla wa ho sebedisa tlhophollo ya 'apatite fission track' le dipatlisiso tsa FTG (full tensor gradiometry gravity).

Selemo sa 3: ho tjhekwa ha didiba tsa bohlokwa dibakeng tse habilweng tse ileng tsa tsebahatswa mosebetsing o entseng pejana. Tshebetso ya ho qetela ya ho rafa e tla ba ho reka le kapa ho etsa dipatlisiso tse loketseng.

Ho keke ha etswa ditlhahlobo tse matla, ho tjheka ka tshebetso ya haedroloki kapa ho hulwa ha metsi ho kenyeleditsweng mosebetsing ona o lohothwang wa ho rafa.

SEBAKA

Kopo ya tokelo ya ho rafa ke ya sebakeng se ka lebatoweng le ka leboya la Kapa Botjhabela mme ho kenyeletswa le mapolasi a ~220 sebakeng sa ~ 120 000 ha. Ka kakaretso sebaka seo ho rafuwang ho sona se ka bophirimela ho moedi wa Lesotho, ho tloha haufi le Qachas Nek bohole ba 20 km ka leboya ho Mt. Fletcher ka borwa. Sebaka sena se ka bophirimela ho tselo ya R56 dipakeng tsa Matatiele le Mt. Fletcher mme Maria-Linden Mission e kaharenyana feela ho moedi (tadima Setshwantsho se hoketsweng le lenaneo la mapolasi).

Tshebetso ya ho rafa sebaka sena e tla etswa ditsheng tsa palo e itseng. Sebaka sa nnete sa ditsha tse na tse habilweng se ka tsepamiswa feela ha Rhino e se e phethile mehato ya mantlha le ho hlaloha lesedi le teng. Sebaka sena ha se kenyeletse dibaka kaofela moo ho thibetsweng tokelo ya ho rafa ho ya ka Karolo ya 48 ya MPRDA. Dibaka kaofela tse ding di kenyeleditswe, ekasitana le moo ho nang le moedi o behilweng wa tshebetso ya ho rafa. Rhino Oil & Gas e tla netefatsa hore tshebetso ya yona e etswa feela ditsheng tsa molao le moo e nang le boikarabelo ba tikoloho ho ka rafa.

FTG SURVEYS

Dipatlisiso tsa FTG (Full tensor gradiometry gravity) di tla etswa ho bontsha sebaka se ka tlase sa jeoloji ho thusa tabaeng ya ho rafa. Dipatlisiso tsa mofuta o jwalo di tla tsamaiswa ka sefofane se mapheo a tsitsitseng mme ha se hloke ho kena mapolasing.

DIPATLISISO TSA DIQHOMANE

Rhino e tla reka lesedi la diqhomane tsa fatshe moo di leng teng mme e ka sebedisa dipatlisiso tsa diqhomane tse na tse bontsha jeoloji ya sebaka. Nakong ya dipatlisiso ho ba le maqhubu a modumo a boemo bo tlase mme maqhubu a hlalalang a rekotwa. Tlhophollo ya maqhubu a kgutlang e fana ka lesedi ka mafuta ya mafika le dikgase tse ka bang teng kapa maro a dibopoho tsa mafika.

Rhino e rerile dipatlisiso tsa ho fihlela ho 100 km tsa mahlakore a mabedi (2D). Dihlopha tsa dipatlisiso di hlalisa matla a laolehang a modumo (ka ho sebedisa diqhomane, sethunya sa moyeng kapa diqhomane le ho rekota maqhubu a kgutlang ho dijeofounu 'geophones' tse hlontsweng sebakeng sa mela e tobileng 'linear alignment'.

Dihlopha tsa dipatlisiso di hloka monyetla wa nakwana wa ho kena mapolasing ho ya hloma thepa ya dipatlisiso le ho rekota lesedi. Metjha ya dipatlisiso e tla latela ditsela tse teng tse kenang le ditshitso ho ntse ho nketse hlohong meedi ya tikoloho.

HO TJHEKA

Ho lohothwa mekoti ya didiba e sa feteng 10 ya sehloho sebakeng sena kaofela seo ho tla rafuwa ho sona. Mekoti ya didiba e tla tjhekwa ka lori kapa treilara e hokeletsweng, thepa e tjhekang ebile e le e tsamayang e lekanang hantle ka boholo le mokoti wa sediba. Ditsha tseo ho tla tjhekwa ho tsona di tla fihlellwa ka ho sebedisa ditsela tse teng le tsa mapolasing. Thepa ya ho tjheka e tla tsamaiswa le thepa ya tshehetso (makoloi, ditreilara, dikhompreza, meqomo ya metsi, dipompo, kharavane jwalo jwalo). Thepa ya ho rafa eo e leng yona e hloka sebaka sa tshebetso sa boholo ba ntho e ka etsang 1 000 m². Tadima setshwantsho mona ka tlase.

Majwe a 'Rock core' a tla rafuwa sebakeng sena se habilweng mme a tloswe ho iswa laborathori. Sampole di tla hlalolwa, di hlaloswe le ho fumana dikarolo tsa kgase. Ha mosebetsi wa ho tjheka o se o phethile tlhophiseletso tse na le basebetsi ba ka bang 20. Thepa ya mosebetsi wa ho tjheka e sebetsa ka batho ba ka bang 5. Ha ho menyela ya bodulo e rerilweng mona. Moifo wa basebetsi o tla fuwa sebaka sa bodulo diteropong tse haufi kapa dibakeng tseo ho dumellanweng ka tsona le beng ba naha

MOIFO WA BASEBETSI LE BODULO

Mosebetsi wa mohato wa ho rafa pele o tla theha menyela e seng mekae ya mosebetsi hobane mosebetsi o mongata o etswa ke bafani ba tshebeletso ya ditsebi. Khampani e tla thaotsha basebetsi ba kwano naheng ena haeba ho kgoneha. Moifo wa dipatlisiso tsa diqhomane o na le basebetsi ba ka bang 20. Thepa ya mosebetsi wa ho tjheka e sebetsa ka batho ba ka bang 5. Ha ho menyela ya bodulo e rerilweng mona. Moifo wa basebetsi o tla fuwa sebaka sa bodulo diteropong tse haufi kapa dibakeng tseo ho dumellanweng ka tsona le beng ba naha

NAKO

Lenaneo la mosebetsi wa ho rafa le rerilwe ho nka nako ya dilemo tse 3. Lenaneo le arotswe ka mehato moo ho tla phethwa mohato ka nngwe mme ho latele e hlalalang. Dipatlisiso tsa FTG di tla phethwa ka dihora tse seng kae. Dipatlisiso tsa diqhomane e etswa ka nako ya dikgwedi tse itseng empa moifo wa basebetsi le thepa o tla ba setsheng sena nakwana feela. Ho tjheka setsheng se seng le se seng ho ka nka kgwedi e 1 ho isa ho tse 3 ho phethela mosebetsi.

TAOLO YA TIKOLOHO

Lenaneo la taolo ya tikoloho le tla ngolwa ho tsepamisa boitlamo bo hlokehang ho netefatsa tshebetso e nang le boikarabelo ya tikoloho. Ntliha ya bohlokwa e tla ba phokotso kapa thibelo ya mosebetsi ya ho rafa ditsheg tse tsebahaditsweng hore ha di nyalane le mosebetsi wa ho rafa. Ho thehwa, ho laolwa le ho hlabollwa ha ditsha kaofela tseo ho neng ho rafuwa ho tsona ke ntho e tla etswa ka ditherisano le beng ba naha. Tshebetso ya ho laola tshusumetso le tlhalollo e tla etswa ho ya ka lenaneo la taolo ya tikoloho EMPr le etseditsweng morero wa projekte ena le ho ananelwa ke PASA.

MAKENO SEBAKENG SENA

Ho na le monyetla wa hore ho tla hlokeha bokeno thepeng tse seng kae sebakeng sena seo ho tla rafuwa ho sona. Ho tla kenwa feela thepeng ya praevete ha ho fumanwe tumello pele ho beng ba naha le ho ya ka tumello e nngweng. Ho na le monyetla wa hore bokeno bo hlokehe feela dibakeng tse seng kae sebakeng sena seo ho rafuwang ho sona. Tulo ya ditsha tseo ho rafuwang ho tsona e batla e tenyetseha 'flexible' haholo mme e ka lokiswa ho fokotsa tshitiso ho beng ba naha, badudi, temo le tikoloho.

MABAKA A MORERO WA PROJEKTE E LOHOTHWANG

Dihlahiswa tsa Petroliamo di dula e le mohlodi wa bohlokwa wa matla. Kgase ya tlhaho haholo e bopilwe ka 'methane' mme e batla e hlwekile, ke sebopelo se hlohang kotsi sa tikolohong sa matla. E ka sebedisetswa ho fehla motlakase kapa ho fana ka motjheso o ka sebediswang lapeng le ka mabaka a indastri. Hang ha kgase ena e rafuwang e ka kgona ho bolokwa ha bonolo, ya thotwa le ho sebediswa ka polokeho mesebetsing e mengata. Mofuta wa tshebediso ya tlhahiso o tswa feela sekaleng sa kgwebo sa mohlodi.

HO RAFA KAMOSO KAPA TLHAHISO

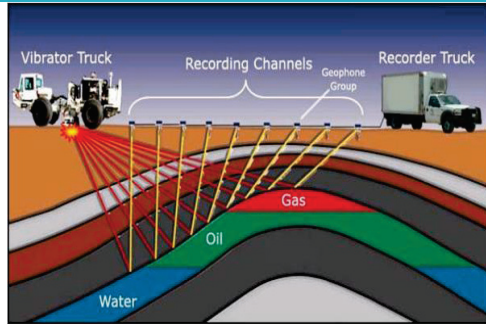
Kopo ya hona jwale ke feela ho fumana tumello ya mosebetsi jwalo ka ha o hlalositse ka hodimo (le ka dintlha Ripotong ya ho Popola). Mosebetsi ofe kapa ofe o tswelang pele wa ho rafa ho hlahloba mehlopi e tsebahaditsweng kapa tlhahiso ya kamoso o tla hloka kananelo e nngwe e tswang PASA ho latela MPRDA le NEMA. Kananelo tse jwalo di tla itshetleha ditlhokong tse lokelang tsa molao tse kenyeletsang ditherisano tse ding tsa setjhaba le tlhahlobo ya tikoloho.

Rhino e utlwisisa hore ha ho molemo ho habanya monyetla wa tsela ya kamoso ya morero wa projekte ena hobane lethathamana dikgetho le batsi mme leledi le fumanehang le a haella.

DITSHWANTSHO



Lebala la Dipatlisiso tsa FTG ka moo le leng ka teng



Setshwantsho sa dipatlisiso tsa diqhomane



Mohlala wa mosebetsi wa ho tjheka



'Rock core' e fumanweng molemong wa tlhophollo

MAIKUTLO A SETJHABA HO FIHLELA MONA

Tsebisole ditherisano le baamehi ha mmoho le bathahaselli (IAPs) di simolotse ka October 2015. Lethathamana la dipitso tsa setjhaba di ile tsa tshwarwa hohle sebakeng sena seo ho entsweng kopo ya sona ka November 2015. Tshebetso ya seabo sa setjhaba ho fihlela mona e hlalositse maikutlo a bohlokwa mabapi le kopo ena. Ka kakaretso maikutlo a setjhaba ke a sa dumellaneng le kopo ena ya tokelo ya ho rafa mme taba ena e nngweng.

Dintlha tsena tse hlalitsweng di ngata hore di ka hlakiswa mona, empa di kenyeletsa boipiletsa ba hore ho be le ditherisano tse ding hape le hore ho fanwe ka nako e nngweng ntlheng ya ho popola le moralong wa EIA. SLR e ile ya tshwara ditherisano le PASA dintlheng tse hlano tsa bohlokwa tseo e neng e le tsona tsa mantlha kopong ena ka kakaretso le tshebetso ya EIA. Kakaretso ya ntliha e nngwe le e nngwe le dintlha tse qotsitsweng karabong ya PASA di fumaneha mona ka tlase:

Ntliha ya 1: Batho ba bangata ba keneng tshebetso ya EIA ba ile ba hlalisa ho hana ha bona mme ba kenya boipelaetso ba bona. Boipelaetso ba bona haholo ke mabaka a amanang le tlhahiso le taba ya ho tjheka. Ho hlakile hore tshebetso ya baamehi le bathahaselli e keke ya kgona ho rarolla boipelaetso ba mofuta o jwalo. Ke mekgwa efe e teng e ka sebedisetswang ho rarolla boipelaetso bona? PASA: "Ha ho na mokgwa o teng wa NEMA ho ka rarolla boipelaetso bona, le ha ho le jwalo jwalo ka karolo ya tshebetso ya baamehi le bathahaselli (EIA) EAP e lokela ho nahana ka dintlha tse hlalitsweng mme e buisane le ba amehang ho rarolla kapa ho fana ka tlhakisetso dintlheng tse hlalitsweng. Karolo ya 10 ya MPRDA e etsa monyetla wa Ntshetsopela ya Morafo wa Lebatowa le Komiti ya Tikoloho (Regional Mining Development and Environmental Committee) ho nahana le ho fana ka keletso ho Letona ka boipelaetso bo amohetsweng mabapi le dikopo."

Ntliha ya 2: Baamehi le bathahaselli (IAPs) ba bangata ba ile ba tseka hore tshebetso ya hona jwale ya EIA e fane ka dintlha tsa tlhahiso mme ba ikabetse ho hlahloba monyetla wa tlhahiso (ho kenyeletsa ho tjheka) le ditshusumetso tse amehang, le ha kopo ya hona jwale e sa kenyeletse ho rafuwa ho hong hape kapa tlhahiso e nngwe. Taelo ya PASA ke efe mabapi le bonamo ba EIA ya hona jwale?

PASA: "EIA ya hona jwale e amana le lenaneo le lehothwang la tshebetso ya ho rafa leo ho ileng ha fanwa ka lona ha mmoho le kopo ya tokelo ya ho rafa. Haeba mokopi a ne a batla ho ntshetsa pele tshebetso efe kapa efe kantle ho bonamo ba lenaneo le lehothwang la tshebetso moo ho leng tjena tumello ya tikoloho ya tshebetso tse jwalo e tla hlokeha. Tshebetso e etsa monyetla wa dipuisano tse ding le baamehi le bathahaselli (IAPs) le tlhahlobo e tebileng ya dintlha tse amanang le moo."

Ntliha ya 3: Baamehi le bathahaselli ba bangata ba ile ba botsa hore ke hobaneng ha Karoo Strategic Environmental Assessment (SEA) e sa sebediswe dibakeng tsa Afrika Borwa kaofela. Haholo hobane baamehi le bathahaselli (IAPs) ba ile

ba tseka hore dikopo tsa tokelo ya ho rafa kaofela le ditshebetso tsa EIA di kgaotswa ho fihlela Tlhahlobo ya Lewa ya Tikoloho (SEA) e phethilwe. Karabo ya PASA tabeng ena ke efe?

PASA: "Bonamo le dipehelo tsa SEA di phethilwe mme tlhahlobo e qadile. Maikutlo mabapi le SEA a lokela ho romelwa Lefapheng la Ditaba tsa Tikoloho hobane le lona le ikarabellang tshebetso ena."

Ntliha ya 4: Baamehi le bathahaselli ba bangata (IAPs) ba ile ba hlalisa maikutlo a reng nako e teng moralong wa hona jwale wa EIA e a haella ho ka dumella ditherisano tse hlokehang tsa setjhaba mabapi le sebaka se kopilweng sa boholo bo bokaalo. Na PASA e tla fana ka nako e ekeditsweng tshebetso ya EIA ho dumella morero wa projekte ena ho arabela dintlha tsena le ho ipapisa le seabo sa setjhaba ka moo ho loketseng?

PASA: "Mokgatlo wa boemedi (Agency) o ka nahana dikopo tse nngweng tse amohetsweng di tswa ho EAP kapa ho mokopi tsa keketso ya nako haeba dikopo tse jwalo di nyalana le dipehelo tsa Melawana ya EIA."

Ho kenyeletsa ditherisano tse ding le setjhaba le dipatlisiso ho lokisa tshebetso ya ho popola, SLR e ile ya etsa kopo e lebang ho PASA ya keketso ya nako. Ka December 2015, PASA e ile ya fana ka keketso ya tshebetso ya ho popola, le tlhoko ya hore ripoto ya qetelo ya ho popola e be e tekilwe ka pele ho PASA ka la 20 April 2016.

Ntliha ya 5: Baamehi le bathahaselli (IAPs) ba ile ba hlalisa ngongoreho ya hore dibaka kapa ditsha tse ngata sebakeng sena se kopilweng ke tse tshireleditsweng ka ho otloloha kapa ha di nyalane le taba ya ho rafa le/ka tlhahiso ya oli le kgase. Dintlheng tse itseng molao o thibela hore mosebetsi wa ho rafa o ka ntshetswa pele dibakeng tsena. Ho botsitswe potso hore "ke hobaneng ha EIA e batla ditokelo tsa ho rafa dibakeng tseo kgase efe kapa efe haeba e ne e ka fumanwa, e ne e keke ya rafuwa ho tsona ka lebaka la dihibelo tse behilweng ke molao wa sebaka se tshireleditsweng le Molao wa 122 wa Melawana ya Petroliamo (GN R 466 ya 2015) mabapi le tulo ya dibaka tsa didiba?". Ho batluwa hore kopo ena e emiswe, mme ho tloswe dibaka kaofela tsa kamoso tse sa nyalaneng le sena/dibaka tseo e seng tsa molao e be e le hona EIA e ntjha e qalang bakeng sa sebaka se ileng sa lekolwa botjha. Karabo ya PASA ke efe ntlheng ena?

PASA: "EAP e na le boikarabelo ba ho tsebahatsa makgabane a tikoloho; ho hlahloba mathata a ka hlahang le ditshusumetso le ho fana ka mehato ya tharollo. Ka ho etsa tjena EAP e na le boitlamo ba ho nahana le ho sebedisa dipehelo tsa molao wa tikoloho o lokelang. PASA, jwalo ka balaodi, ha e na matla a ho tsamaisa EAP kapa mokopi ho kgaotsa EIA ho tlosa dibaka tse sa nyallaneng le morero ona. Kopo e tla hlahlojwa ho ya ka dipehelo tsa NEMA le molao o mong o lokelang. Mokgatlo wa boemedi (Agency) o tla etsa dikgothaletso tse tsa tsamaelana le dipehelo tse lokelang ho netefatsa hore tikoloho e qoholehileng e fumana tshireletso e hlokehang."

Kopo le tshebetso ya ho popola ha mmoho le ya EIA di tla etswa ho ya ka tataiso ya PASA.

MONYETLA WA TSHUSUMETSO YA TIKOLOHO

Dintlha tse latelang le tshusumetso ke mehlala ya ngongoreho tse amanang le taba ena ya ho rafa. Ho kenyeletswa ha dintlha tsena lenaneng lena e ka ba sesupo sa monyetla wa diketsahalo tsena kapa bohlokwa ba tsona. Dintlha tse lokelang tse ileng tsa tsebahatswa nakong ya mosebetsi wa ho popola di tla fuputswa jwalo ka karolo ya tšebetso ya EIA.

Polokeho ya Mapolasi – Ho kena ha batho ba sa tsejweng mapolasing mona ke ntho e ka bang le tshusumetso tshireletsong ya mapolasi. Ho tsamaisa dikoloi tse kgolo le thepa ho ka tisa monyetla wa mathata a polokeho. Mollo o tshesang hlaha o ka tisa monyetla wa mathata a polokeho bathong le diphoofolong.

Tlhophiso tsa Motheo tsa Mapolasi – ditsetsa tsa mapolasing, digeiti le diterata tsa tshireletso ya sebaka di ka senyeha nakong ya mosebetsi wa ho rafa.

Mobu le Bokgoni ba Naha– tšebetso ditšheng tseo ho sebediswang diqhokane tsa fatshe ho tsona le ditsha tse tjhekwang e ka ba le tshusumetso mobung le bokgoning ba naha haeba e laolwa ka mokgwa o fokolang mme e sa hlabollwe.

Biayodaesivithi – mesebetsi e etswang ditšheng tsa diqhokane le tse tjhekwang e na le monyetla wa ho sitisa le/kapa ho senya dimela, diyunuti tsa setso 'habitat units' le tšebetso ya ikhositimi, ho kenyeletswa tšitiso ya dipedi tse tshireleditsweng.

Metsi a ka hodimo ho lefatshe – Mesebetsi e lohothwang ho etswa ditšheng tsa diqhokane le tse tjhekwang e na le monyetla wa ho silafatsa mehlodi ya metsi a tswang ka hodimo ho lefatshe nakong ya tšebetso le ho fedisa ditshilafatsi.

Metsi a ka tlase ho lefatshe – ho tjhekwa ho lohothwang ho na le monyetla wa ho sebedisa le ho silafatsa mehlodi ya metsi a ka tlase ho lefatshe a ka susumetsang ho fumaneha ya metsi a ka tlase ho lefatshe ho batho ba bang le ikhositime.

Moya – Morero wa projekete e lohothwang o na le monyetla wa ho silafatsa moya, haholo ka lebaka la marole a tla kupa moo ka lebaka la dipalangwang tse tsamayang tseleng tsa mobu wa mahlohlojane le ho tswa ha kgase e tswang didibeng tsa metsi 'boreholes'.

Lerata le ho thothomela ha lefatshe – Morero wa projekete e lohothwang o na le monyetla wa ho tliša lerata nakong ya ha ho etswa mesebetsi ya ho tjeka. Dipatlisiso tsa diqhokane di ka senya dibopeho tsa sebaka le ho sitisa diphoofolo le tse hlaha.

Tjhebahalo – ho behwa ha thepa ya diqhokane le ya ho tjheka e na le monyetla wa ho tliša tjhebahalo ya nako e kgutshwanyane e sa kgahliseng.

Mehlodi eo e leng lefa la tlhaho (heritage resources) – Morero wa projekete e lohothwang o na le monyetla o itseng wa ho senya mehlodi eo e leng lefa la tlhaho.

Tšebetso ya Naha – Ditsha tsa diqhokane le tsa ho tjhekwa di ka nna tsa hohlana le tšebetso ya naha nakong e itseng.

Setjhaba le ikhonomi – morero wa projekete ena o na le monyetla o fokolang wa ho ba le nyehelo setjhabeng le tshusumetsoeng ya ikhonomi. Tshusumetso e nepahetseng e kenyeletsa ho thehwa ha mesebetsi le ho fehla ikhonomi ya sebaka seo le lebatowa. Monyetla wa tshusumetso e sa lokelang o kenyeletsa ditlolo tsa molao tse eketsehileng, ho qhalana ha mahloko le monyetla wa kगतello le ditšhebeletsoeng tsa tshehetsa.

Tshusumetso e eketsehang le ya kamoso – le ha mesebetsi wa hona jwale o ka ba le tshusumetso e seng kae, ngongoreho ke hore kananelo ya mesebetsi ona e ka nna ya bulela merero ya diprojekte tse ding nakong e tlang tsa boemo bo

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bohlokwanyane. Ntho tsena di ka tliša tshusumetso tse kgolwanyane mme ha ba le bothata ba ho di kgaotsa ha ho se ho thesemeditse matsete.

TLHATHOBO YA TIKOLOHO

Tšebetso ya tlhahlobo e na le boikemisetso ba ho:

- fana ka lesedi le amanang le morero wa projekete ena le e meng
- fana ka lesedi mabapi le tikoloho e amehang;
- fana ka tlhahlobo ya bohlokwa ba tshusumetso e tsebahaditsweng;
- ho ripota ka mehato ya taolo e hlokeheng ho fokotsa tshusumetso hore e fihlele boemo bo amoheleheng;
- ho netefatsa hore balaodi ba lokelang ba etsa diqeto tse bontshang kutlwisiso, tse bonaletsang le tsa boikarabelo.

MEHATO TSHEBETSONGYA TLHAHLOBO

Pre Application phase (August to October 2015)

Ho tsebahatsa le ho tsebisa baamehi bathahaselli ha mmoho le balaodi ka morero wa projekete e lohothwang (ka mokgwa wa ditherisanong tse tobileng, dipapatso tsa dikoranta, ditsebisotse manehang setsheng, le tokomane ena) Kamohelo ya dintlha le dikarabelo tse tswang ho baamehi le bathahaselli (IAPs).

Tlhaloso ya dintlha tse saletseng morao le diphelelo tsa ditshupo tsa mesebetsi ho tsepamisa maikutlo tshusumetsoeng Pokello ya ripoto ya ho popola Ho nehelana ka kopu ho PASA (NEMA)

Mohato wa ho popola (October – April 2016)

Ntshetsopela ya ditherisano le kamohelo ya maikutlo. Tsebahatso ya dintlha tse hlokang ho rarollwa. Tlhaloso ya dintlha tse saletseng morao ho ya ka mesebetsi ho arolla monyetla wa ditshusumetso. Pokello ya maikutlo a baamehi le bathahaselli (IAP), ntjhafatso ya Ripoto ya ho Popola le ho e romela ho Balaodi

Mohato wa EIA le EMP (May ho isa ho September 2016)

Ho etsa dipputso dife kapa dife tsa botsebi. Tlhaloso ya tshusumetso ya projekete e lohothwang le ho bokella ripoto ya EIA le ya EMP. Ho etsa hore e finyelle ho baamehi le bathahaselli ha mmoho le ho makgotla a taolo hore e lekolwe. Ho etswa ha monyetla wa ho tshwara dikopano tsa setjhaba moo ho fanwang ka maikutlo. Pokello ya maikutlo a IAP, ntjhafatso ya EIA le EMP le ho di romela ho Balaodi ba etsang qeto.

Qeto le Boipiletso

PASA e tliša lekolae EIA le EMP mme e etse qeto. Tsebisotse ya IAPs le makgotla a taolo. Tšebetso ya Boipiletso ho latela Melawana ya Boipiletso

NGODISO LE MAIKUTLO

Baamehi kaofela ba memelwa ho ingodisa jwalo ka Bathahaselli le Baamehi (IAP). O lokela ho ingodisa jwalo ka Mothahaselli le Moamehi haeba o rata ho fumana lesedi le batsi kapa o batla ho kena morerong wa projekete ya tlhahlobo ya tikoloho. Ho ingodisa kapa ho hlahisa dintlha dife kapa dife tsa tikoloho kapa dingongoreho tse amanang le morero wa projekete ena, o kopuwa ho tliša Foromo ya Karabelo (**Response Form**) mme o e kgutlisetse ho SLR ka nako e tla o lokela. Bathahaselli le Baamehi (IAP) ba ngodisitsweng dathabeising ya morero wa projekete ena o tliša fumana tsebisotse ya lesedi le tswang dikopanong ha mmoho le ditekolo tsa diripoto kgafetsa.

Rhino Oil and Gas Exploration South Africa (Pty) Ltd

MORERO WA HO RAFA PETROLIAMO MAPOLASING A FAPANENG KAPA BOTJHABELA (295 ER)

FOROMO YA NGODISO LE DIKARABELO TSA BATHAHASELLI LE BAAMEHI

LEBITSO			
MOKGATLO/POLASI			
SETERATA KAPA ATERESE YA POSO			
	KHOUTU YA POSO		
MOSEBETSI/ NOMORO YA FOUNU YA MOTSHEARE	NOMORO YA FAX		
NOMORO YA SELFOUNU	E-MAIL		
TSELA YA MANGOLO E KGETHWANG (sedikadikwe)	POSO	FAX	EMAIL
SMS			
LETSATSI	Tshaeno		

DINTLHA TSA BATHO BA BANG BA NANG LE NAHA SEBAKENG SENA KAPA BAO O NAHANANG HORE BA TSEBISWE:

O KOPUWA HO TSEBAHATSA THAHASELLO YA HAO MORERONG WA PROJEKTE ENA E LOHOTHWANG:

O KOPUWA HO NGOLA MAIKUTLO A HAO LE DIPOTSO TSA HAO MONA:

(sebedisa maqephe a mang haeba o a hloka)

O kopuwa ho kgutlisetsa diforomo tse tlatsitsweng ho:

Matthew Hemming or Stella Moeketse
(011) 467 0978 (Fax) or Po Box 1596, Cramerview 2060 or
mhemming@sirconsulting.com or smoeketse@sirconsulting.com

MATATIELE		PTN
FARM NAME	No.	No.
SIBI 4	0	
GEORGE MOSHESH 13	0	
GEORGE MOSHESH 13	1	
NKAU 14	0	
NKAU 14	1	
NKAU 14	2	
NKAU 14	3	
NKAU 14	4	
NKAU 14	5	
NKAU 14	6	
ISAAC DIAHO 15	0	
ISAAC DIAHO 15	1	
ISAAC DIAHO 15	2	
ISAAC DIAHO 15	3	
ISAAC DIAHO 15	4	
KLEIN JONAS 16	0	
KLEIN JONAS 16	2	
KLEIN JONAS 16	4	
KLEIN JONAS 16	5	
TSITA MOSHESH 17	0	
TSITA MOSHESH 17	1	
TSITA MOSHESH 17	2	
TSITA MOSHESH 17	3	
TSITA MOSHESH 17	4	
TSITA MOSHESH 17	5	
MADLANGALA 18	0	
MADLANGALA 18	1	
MADLANGALA 18	2	
KOSANA 20	0	

THREE SISTERS 26	0
NEWLANDS 27	0
MC ALPINE 28	0
FREEMANTLE 29	0
MAKOMERENG 30	0
DEER PARK 32	0
DEER PARK 32	1
NOATSHA 33	0
THE EYRIE 34	0
THE EYRIE 34	1
UPLANDS 35	0
RHEEBOK'S RUST 52	0
BELFORT 53	0
BRAMWELL 54	0
BRAMWELL 54	1
BRAMWELL 54	2
BRAMWELL 54	3
DELL CRANNEY 55	0
DELL CRANNEY 55	1
GLEN ALFRED 56	0
GLEN ALFRED 56	1
GLEN ALFRED 56	2
GLEN ALFRED 56	3
THE RETREAT 57	0
TRAMORE 58	0
TRAMORE 58	1
TRAMORE 58	2
TRAMORE 58	3
TRAMORE 58	4
DE SCHUIUR 59	0
DE SCHUIUR 59	1
DE SCHUIUR 59	2

DE SCHUIUR 59	3
COCHET 60	0
COCHET 60	1
COCHET 60	2
GEORGEHERBERT 61	0
GEORGEHERBERT 61	2
HARRYEBDEN 62	0
WALLACE 66	0
ETHELDALE 67	0
ETHELDALE 67	1
ETHELDALE 67	2
LE GRANGE 69	0
LE GRANGE 69	1
LE GRANGE 69	2
MONT PLAISIR 70	0
MONT PLAISIR 70	1
MONT PLAISIR 70	2
MAFUBE MISSION STATION 71	1
BERG VIEW 72	0
BERG VIEW 72	1
BERG VIEW 72	2
ROLLAND 73	0
ROLLAND 73	1
DRAKENSRÖCK 93	0
DRAKENSRÖCK 93	1
DRAKENSRÖCK 93	2
O'CONNORS CAMP 94	0
O'CONNORS CAMP 94	1
O'CONNORS CAMP 94	2
GLADSTONE 95	0
GLADSTONE 95	1

GLADSTONE 95	2
GLADSTONE 95	3
CHARLES MILLS 99	1
CHARLES MILLS 99	2
CHARLES MILLS 99	3
CHARLES MILLS 99	4
MARSHALLSCLARKE 100	0
SAUL 110	0
SAUL 110	1
HILDA HEATH 112	1
HILDA HEATH 112	2
AVONDALE 114	0
AVONDALE 114	1
AVONDALE 114	2
ALWINREIN 115	0
ALWINREIN 115	1
ALWINREIN 115	2
ALWINREIN 115	3
THE START 116	0
THE START 116	1
THE START 116	2
BESSDALE 117	0
MOLIFE 118	0
MILIFE 18	1
NTHOANTSO OUTSPAN 119	2
UPSALA 120	8
BERTIE VALE 121	0
VERONA TRADING SITE	241
MAPFONTEIN TRADING SITE	242
GEORGE MOSHESH 13	2

GEORGE MOSHESH 13	3
GEORGE MOSHESH 13	4
GEORGE MOSHESH 13	5
GEORGE MOSHESH 13	6
GEORGE MOSHESH 13	11
GEORGE MOSHESH 13	12
GEORGE MOSHESH 13	13
GEORGE MOSHESH 13	14
GEORGE MOSHESH 13	15
GEORGE MOSHESH 13	19
GEORGE MOSHESH 13	20
GEORGE MOSHESH 13	21
GEORGE MOSHESH 13	22
GEORGE MOSHESH 13	23
GEORGE MOSHESH 13	24
GEORGE MOSHESH 13	25
GEORGE MOSHESH 13	26
QUEENS MERCY TRADING SITE 249	0
MPARANA TRADING SITE 250	0
MARIA ZEL MISSION 270	0
BERTIEVALE 269	0
MANNING 277	0
MANNING 277	2

SEQOBONG 54	4
SEQOBONG 54	5
NXOTSHANE 83	0
PIRINTSU 84	0

MOUNT FLETCHER		PTN
FARM NAME	No.	No.
BLACKFONTEIN TRADING SITE	22	
TABASE 46	0	
TABASE 46	1	
TINANA 47	0	
DENGWANE 48	0	
PABALLONG 51	0	
PABALLONG 51	1	
PABALLONG 51	2	
PABALLONG 51	3	
PABALLONG 51	5	
PABALLONG 51	6	
PABALLONG 51	7	
THABA CHICHA 52	1	
THABA CHICHA 52	2	
THABA CHICHA 52	3	
THABA CHICHA 52	4	
THABA CHICHA 52	5	
THABA CHICHA 52	6	
THABA CHICHA 52	7	
THABA CHICHA 52	8	
THABA CHICHA 52	9	
THABA CHICHA 52	10	
KUEBUNG 53	0	
KUEBUNG 53	1	
SEQOBONG 54	0	
SEQOBONG 54	1	
SEQOBONG 54	2	
SEQOBONG 54	3	

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IRhino Oil noPhonongo LweGesi EMzantsi AFrika (Pty) Ltd

IMVELAPHI YOLWAZI KUPHONONONGO LWEPETROLIYAM OLUCELWAYO KWIIFAMA
EZAHLUKAHLUKENYO EMPUMA KOLONI (295 ER)

Uhlelo lwe-2 Januari 2016

INTSHAYELELO

IRhino Oil and Gas Exploration South Africa (Pty) Ltd iye yafaka isicelo selungelo lokwenza uphononongo kwiPetroleum Agency South Africa (PASA) ngokuvisisana necandelo 79 leMinerals and Petroleum Resources Development Act (uMthetho Wophuhliso Lobuncwane Bezimbiwa NePetroliyam) we-28 ka-2002 (MPRDA). Izimbiwa eziqukiweyo kwesi sicelo yioyile, igesi, ukujiyisa (condensate), i-coal bed methane (igesi efunyanwa emgodini wamalahlale), i-helium (isiqalelo esiyigesi esingatshiyi) ne-biogenic gas (igesi eyomileyo engumnxube wegesi). Ummandla ophononongwayo ubanzi kwaye uquka iifama eziseMpuma Koloni cebu kuhle kumda waseLesotho (bona uMfanekiso 1). Kwesi sicelo i-Rhino Oil & Gas ifake kuphela isicelo sokuvunywa kophononongo lokuqalisa inqanaba lokuqala lweoyile negesi esenkoba ikho phakathi kwiindawo ezifanelekileyo zamatye. Injongo yalo msebenzi iya kuba nje kuphela kukufumanisa ukuba zikho kusini na izimbiwa zepetroliyam ezingathi ziphandwe ngokubhekele phaya. Iminyaka yokuqala emi-3 yokuphonononga iza kuphelela kubugcisa obungaphazamisi nto, kwakunye nophando lwenyikima nokomba okungaphantsi kwee-boreholes eziyi-10 ezingundoqo.

INKQUBO YOKUGUNYAZISWA YENDALO ESINGQONGILEYO

Ngaphambi kokunikizela ngeLungelo Lokuphonononga lale projekthi icetywayo kumele kuqalwe kwenziwe inkqubo yokuphonononga indalo esingqongileyo ize yamkelwe ngokusemthethweni yi-PASA ngokuvisisana ne National Environmental Management Act, 107 ka-1998 (NEMA). I-Rhino Oil and Gas iza kwenza isicelo kwi-PASA icela isigunyaziso sendalo esingqongileyo. ImiMiselo Yokuphonononga Ifuthe Lendalo Esingqongileyo (Environmental Impact Assessment Regulations) (GN R982 okhuthazwe ngokuvisisana ne-NEMA) kucelwa ngayo ilungelo ilungelo lokwenza uphononongo lomsebenzi 18 kwi-Listing Notice 2 (iSaziso Soluhlu) (GN R984). ImiMiselo ye-EIA iyayicacisa inkqubo yokuphonononga equka: inqanaba lokupopola, ukuhlola ifuthe kwindalo esingqongileyo (EIA) kunye nesicwangciso sokulawulwa kwendalo esingqongileyo (EMPr). Into engundoqo kule nkqubo yokuphononongwa kwefuthe lendalo esingqongileyo yinxaxheba kawonke wonke.

I-SLR Consulting (Africa) (Pty) Ltd (SLR), inkampani ezimeleyo yabacebisi ngendalo esingqongileyo, iye yachongwa yi-Rhino Oil and Gas Exploration South Africa (Pty) Ltd ukuze ilawule le nkqubo yokuphononongwa kwendalo esingqongileyo.

Olu xwebhu luye lwalungiselwa yi-SLR ukuze naziwe:

- * ngesicelo nangemisebenzi ecetywayo yale projekthi;
- * ngenkqubo yokuphononongwa kwendalo esingqongileyo eza kulandelwa; kunye
- * nendlela onghlomla ngayo kuphononongo lwendalo.

Injongo eyintloko yale nkqubo yopopolo kukufumanisa imiba eyintloko efuna ukusingathwa kwinqanaba lokuphicotha.

UKUQHEKEZA NGAMANZI OKANYE HAYI

Akukho matye aza kuqhekezwa nge-hydraulic (fracking) kwisicwangciso seminyaka emi-3 esicelwe. i-Rhino Oil & Gas iye yachaza ukuba akukho nkcazelo yaneleyo okwangoku yokugqiba ukuba bubuphi ubugcisa obusenokufuneka ekombeni igesi kwixa elizayo.

Ukuba ubuncwane buye bafunyaniswa kwaza emva koko kwangqinwa ukuba buyathengiseka, ngoko ukuqhekeza ngehydraulic kungalukhetho lokuvelisa igesi. Kodwa ke, uphando oluninzi, uhlobo olwahlukeneyo lwendalo esingqongileyo kunye neemvume ezivela kwabasemagunyeni ziya kufuneka ngaphambi kokuba kufikelelwe kwelo nqanaba. Oku kuquka:

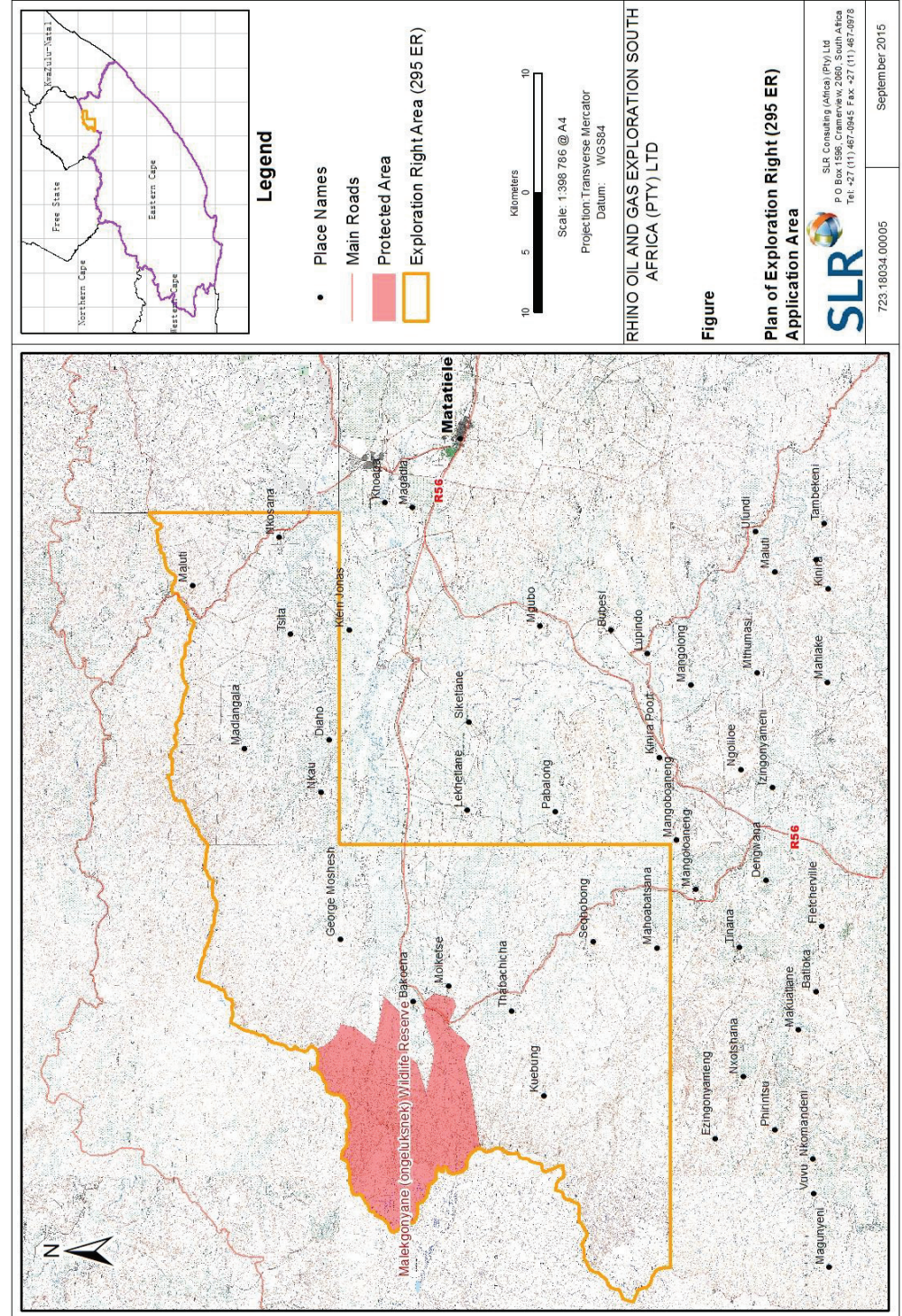
1. Ukuzalisa uphononongo lwenqanaba lokuqala njengokuba kucetyiwe kwaza kwavunywanga ngesi sicelo.
2. Ukuba inqanaba lokuqala lokuphonononga beliza kuqinisekisa ukuba kukho ubuncwane obungafumaneka, iRhino Oil & Gas iya kufuna imvume engakumbi evela e-PASA ukwenzela umsebenzi wokuphonononga owongzelelekileyo ofuneka ukuze kuphandwe oku. Nakuphi na ukuvunywanga kuya kuxhomekeka kuhlolo olungakumbi lwendalo esingqongileyo kwakunye nenxaxheba kawonke wonke engakumbi. Kusengezeka kufuneka nemvume yezowiso-mthetho.
3. Ukufumana amanqanaba aneenkcukacha ophononongo njengokuba kuye kwavunywanga.
4. Ukuba uphononongo oluneenkcukacha lukhokelele ekufumanekeni kobuncwane ekungarhweywa ngabo ngoko i-Rhino Oil & Gas uya kudinga ukukhusela amalungelo okubvelisa kwi-PASA. Nasiphi na isicelo samalungelo okubvelisa kuya kufuneka kuqala kubekho inkqubo yohlolo kunye nokuba nenxaxheba kukawonkewonke. Iimvume kusenokwenzeka zifune neminye imithetho ewiswayo.
5. Ukuphulisa iprojekthi yemveliso. Lonke uphononongo lwexesha elizayo okanye imisebenzi yokuvelisa esenokwela ukuba kuye kwafunyanwa angaphaya kwezina lenqanaba elikhoyo ngoku nelenkqubo ye-EIA.

INDLELA YOKUSABELA

Iintsabelo kolu xwebhu zingafakwa kusetyenziswa iphepha elilapha lamagqabaza okanye ubhale uze /okanye ngonxibelelwa lwe-SLR.

UMNTU EKUNGATHETHWA NAYE: **Matthew Hemming or Stella Moeketse**

(011) 467 0945 (Tel) okanye (011) 467 0978 (Fax) okanye mhemming@slrconsulting.com okanye smoeketse@slrconsulting.com



USHWANKATHELO OLUFUTSHANE LOPHONONONGO OLUCETYWAYO

ISICELO

IPetroleum Agency South Africa iye yamkela isicelo esivela kwiRhino Oil and Gas selungelo lokuphonononga kwiimveliso zepetroliyam. Xa esi sicelo sisamkelwa yiPASA kuze kube kuvunyelwa umfaki sicelo aqhubeka nenkqubo efunekayo kwaye akutsho ukuba ugunyazisiwe. Isicelo sesigunyaziso sendalo esingqongileyo siemele sifakwe kwi-PASA ngo-Oktobha 2015 kuze emva koko kubanjelwe kumaxesha abekiweyo kwi-2014 Environmental Impact Assessment Regulations (imiMiselo Yokuphonononga Ifuthe Kwindalo Esiingqongileyo).

JIKELELE

Isicwangciso seminyaka emi-3 sokuphonononga esicetywe yi-Rhino Oil and Gas sijoliswe ekufumaniseni ukuba ikho kusini na ioyile okanye igesi kulo mmandla nto leyo eya kufuna ukuba kuphononongwe ngakumbi.

Uyaka 1: ukuphicotha idatha yokuma komhlaba kusenziwa uphando lwesedesikeni olupheleleyo. Ubukhulu becala le datha ifumaneka kuphela kumaqela anamalungelo okuphonononga. Kuza kulandelelwa ukuma nokwakheka komhlaba ongaphantsi kunye nohloliso lwa ngamanqanaba amatye. Kuza kuqokelelwa inkcazelo ngekhemistri amatye athile (source-rock geochemistry). Kuza kuveliswa iimodeli ezingokuma komhlaba.

Uyaka 2: uhlobo olugakumbi lwedatha yokuma komhlaba kunye nokusetyenziswa okungakho kohlobo lwe umonakalo wemitha yelanga kunye uHlolo Lokutshintsha Kwesantya Okubangelwa Ngumxhuzulane (FTG).

Uyaka 3: Ukombiwa kwee-borehole ezinngundoqo kwiziza ezijongiweyo eziya zabanwa kumsebenzi wangaphambili. Umsebenzi wokugqibela wophononongo iya kuba kukuthenga kunye/okanye ukwenza uhlobo lwenyikima.

Akukho vavanyo lwengcinezelo, ukuqhekeza nge-haydraulic okanye ngamanzi okuqukiweyo kumsebenzi ocelwayo wokuphonononga.

INDAWO

Indawo ekucelwe ukuyiphonononga yingingqi ekumntla yaseMpuma Koloni kwaye iquka-iifama eziyi-220 ezikummandla ozii- ~ 120 000 ha. Ngamany amazwi le ndawo iphononongwayo ihamba kumda osentshona waseLesotho, kufutshane neQachas Nek malunga neekhilomitha eziyi-20 kumntla we Mt. Fletcher kumazantsi. Lo mmandla uphaya kwintshona yendlela u- R56 phakathi kweMatatiele neMt. Fletcher kuquka i Maria-Linden Mission ephakathi kuloo mda (bona umFanekiso oalapha noludwe lweefama).

Imisebenzi yophononongo lwasemhlabeni iza kwenziwa kuphela kwintshona eliqingqiweyo leendawo ezithile. Ezona ndawo ekuza kusetyenzwa kuzo zingaziwa kuphela xa iRhino iwagqibile amanqanaba okuqala ophononongo yaza yahlola nedatha efumanekayo.

Le ndawo kufakwe isicelo kuyo ayiquki yonke imihlaba apho ukunikezwa kwamalungelo ophononongo kwalelweyo liCandelo 48

Le-MPRDA. Yonke eminye imihlaba iqukiwe, kwinalapho kukho omida ethintelwa ukuba umsebenzi wokuphonononga. I-Rhino oil & Gas iza kuqinisekisa ukuba imisebenzi yahoo yenziwa kuphela kwiziza apho kusemthethweni kwaye kubonisa inkathalo ngendalo esingqongileyo ukwenjenjalo.

UHLOLO LWE-FTG

Uhlobo lwe-Full tensor gradiometry gravity (FTG) luza kwenziwa ukuze kwenziwe umfanekiso wejijoloji yangaphansi komhlaba ukuze luncede kolu phononongo. Oko phando luza kwenziwa ngengqwelo-ntaka kwaye aluzi kufuna kungenwe ezifama.

UHLOLO LWENYIKIMA

iRhino iza kuthenga iidatha yenyikima xa zikhona kwaye isenokuqokelela uhlobo lwenyikima ukuze yenze umfanekiso wokuma komhlaba opehuzulu. Xa kusenziwa uhlobo lwamaza e-acoustic aze ke amazA abonakalayo wona abhalwe phantsi. Uhlobo lwamaza abuyayo lusinika inkcazelo ephathelele uhlobo lwamatye kwakunye neegesi neencindi ezikuloo nkcacelo yamatye.

IRhino iceba uhlobo lweekhilomitha eziyi-100 ze-two-dimensional (2D). Amaqela ohlobo aqulunqa amandla avela kwi-acoustic (lisebenzisa iziqhushumbisi, i-air gun okanye isilinganisi senyikima) kunye ngenxelo yamazaza abuyayo kwiziphulaphuli ze-geophones ezibekwe njengezihloli zokulinganisa umgama ophakathi kwezinto.

Iqela elihlalo liza kudinga ukungena okwexeshana kwiifama ukuze lifake izixhobo zokuhlola lize libhale ingxelo. ngedatha leyo. Iindawo ekwenziwa uhlobo kuzo ziza kulandela iindlela zokuhamba esele zikho kakade kwaye iziphazamisayo ziya kujongwa ngokwezithintelo zendalo esingqongileyo.

UKOMBA

Kucetywa ukombiwa ii-boreholes ezingundoqo eziyi-10 kuwo wonke lo mmandla uhlobo lwayo. IiBoreholes ziza kombiwa ngomgqala ozinze kwilori okanye kwitreyila, efana ngesayizi womngxunya weborehole eqhelekileyo yamanzi. Iindawo ekuza kombiwa kuzo kuzo kufikwa kuzo kuhanjwa kwimigaqo esele ikho kakade. Lo mgqala wokombiwa uya kuba ukhathiswa zezinye izixhobo (iimoto, iitreyila, iikhompresa, iitanki zamanzi, iimpompo, iikharaveni njl). Eneneni owona mgqala wokuphonononga nezixho zawo zidinga kubekho umhlaba ekuza kusetyenzelwa kuwo oyi. 1 000 m². Bona iifoto ezilapha ngezantsi.

Umongo welitye uza kube utsalwa kwindawo omi kuyo uze uthunyelwe elaboratri. Kuza kuhlolwa iisampuli, zihlahlelwe zize zivavanywe ukuba zinazo na izinto ezidibene negesi.

Kwakugqitywa ukombiwa komgkuma, zonke izixhobo ezilapho nenkunkuma ziza kushenxiswa kuloo ndawo. I-borehole iza kugqunywa kulindelwe uphando olulandelayo okanye ivalwe ngesamente ukuba ayisafuneki.

ABASEBENZI NEZINDLU

Inqanaba lokuqala lolu phononongo liza kubaLa amathuba ambalwa emisebenzi ekubeni umsebenzi omninzi ingowekontra ka ezinenkonzo yeengcali. Inkampani iza kuqesha abantu basekuhlaleni kangangoko inako.

Iqela lohlobo lwenyikima linabasebenzi abayi-20. Umngxuma owombiwayo udla ngokugadwa liqela eliya kutsho kubantu aba-5. Akukho zindlu zokuhlala esizeni ezicetywayo. Abasebenzi baza kuhlala kwiidolophu ezikufutshane okanye kwiindawo ekuvunyelwene ngazo nomnini womhlaba.

IXESHA

Lo msebenzi wokuphonononga ucetyelwe ithuba elingaphezu kweminyaka emi-3. Esi sicwangciso sahlulwe sangamanqanaba aza kuthi xa elinye ligqitywa kuqala elinye.

Uhlobo lwe-FTG lugqithwa kwisithuba seeyure. Uhlobo lwenyikima lwenziwa kwisithuba seenyanga kodwa abasebenzi nezixhobo ziba sesizeni eso ithuba elifutshane. Ukombiwa kwiziza ngasinye kunokuthabatha iinyanga ezi-3 ukukugqiba.

ULAWULO LWENDALO ESINGQONGILEYO

Ukuzinziswa, ukulawulwa nokubuyiselwa kwazo zonke iziza zophononongo kuza kwenziwa ngoxa kumana kuthethwa nabanini bomhlaba. Le nkqubo yokulawula ifuthe nokubuyiselwa kweendawo zophononongo iza kuqutywa ngokuvisisana nesicwangciso sokulawulwa kwendalo esingqongileyo eveliselwe le projekthi kwaye ivunywe ngokusemthethweni yi-PASA.

UKUFIKELELA KUMHLABA

Kungenzeka ukuba kuza kufuneka kwimihlaba embalwa phakathi kummandla ophononongwayo. Umhlaba wabucala uya kufikelelwa kuphela ngemvume yangaphambili yomnini mhlaba kuze ke emva koko ibe sisivumelwano esibhalweyo.

Iindawo eziza kuba kuyo iziza zokuphonononga ibhethebhethe kwaye ingatshintshwa ukwenzela ukuphepha ukuphazamisayo umnini womhlaba, abantu abahlala kuwo, ezolimo kunye nendalo esingqongileyo.

INTO ETHETHELELA LE PROJEKTHI ICETYWAYO

Iimveliso zepetroliyam ziya kuhlala zingumthombo wamandla. Igesi yemveli ubukhulu becala idla ngokuba yi-methane kwaye ngokuqhelekileyo icocokile noko, iluhlobo lwamandla oluvanayo nendalo esingqongileyo. Ingasetyenziswa ukuphepha umbane okanye ifudumeze emakhayeni nakumaziko oshishino. Xa sele yemiwe igesi kulula ukuyifaka ezintweni, ithuthwe ize isetyenziswe ngokukhuselekileyo kwizinto ezininzi. Uhlobo lokuyisebenzisa kwindawo esuka kuyo kukhomekeke ngokupheleleyo kwizinga lezoshishino lobuncwane obo.

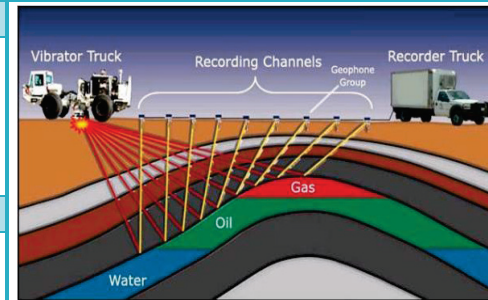
UPHONONONGO LWEXESHA ELIZAYO OKANYE IMVELISO

Esi sicelo sangoku sesokucela ukugunyaziswa komsebenzi njengokuba kubonisewe ngasentla (kwaye iinkcukacha zikwiNgxelo Yopopolu). Nawuphi na umsebenzi ongakumbi wophononongo wokuhlola ubuncwane obuboniweyo okanye ukweliswa kwexesha elizayo kuza kufuna ukuba kuvunyelwe yi-PASA. Oko kuvunyelwa kuya kukhomekeka kwizinto ezifunekayo ngokusemthethweni eziquba ukuba kuphinde kuthethwe nabantu nokuphononongwa kwendalo esingqongileyo. IRhino ikholelwa ukuba akuzi kunceda nganto ukuba kuqashelwa ukuba le projekthi iza kuphelela phi kwixesha elizayo ekubeni emaninzi amathuba akhoyo ibe yona inkcazelo incinane kakhulu.

IIFOTO



Inqwelo moya yokoqobo yohlol lwe-FTG



Uhlobo lwe-Schematic lwenyikima



Umzekelo womsebenzi wokombi



Isembiwa esifunyenwe kakhona ukwenzela uphicotho

IRhino Oil noPhonongo LweGesi EMzantsi AFrika (Pty) Ltd

IMVELAPHI YOLWAZI KUPHONONONGO LWEPETROLIYAM OLUCELWAYO KWIIFAMA
EZAHLUKHLUKENEYO EMPUMA KOLONI (295 ER)

IFOMU YOKUBHALISA NENTSABEBOLO YAMAQELA ANOMDLA NACHAPHAZELEKAYO

IGAMA			
IFAMA/UMHLABA okanye			
UUMBUTHO			
ISITRATO OKANYE ADRESI YEPOSI			
		IKHOWUDI YEPOSI	
INOMBOLO YEFOWUNI YOMSEBENZI/YASEMINI		INOMBOLO YEFEKSI	
INOMBOLO YE-CELL PHONE		I-IMEYILI	
IMBALELWANO OYIKHETHAYO (yenza isangqa)		IPOSI	IFEKSI
SMS		I-IMEYILI	
UMHLA	Utyobelo		

INKCUKACHA ZABANYE ABANTU ABANGABANINI BOMHLABA KWINDAWO LEYO OKANYE OVAKALELWA
KUKUBA BAMELE BAXELELWE:

NCEDA UCHAZE UMDLA ONAWO KULE PROJEKTHI ICETYWAYO:

NCEDA UBHALE AMAGQABAZA AKHO NEMIBUZO APHA:

(sebenzisa amaphepha awongezelelekileyo)

Nceda ubuyisele iifomu ezigqityiweyo ku:

Matthew Hemming okanye uStella Moeketse
(011) 467 0978 (Fax) or Po Box 1596, Cramerview 2060
mhemming@slrconsulting.com or smoeketse@slrconsulting.com

MATATIELE	PTN	
	IGAMA LEFAMA	No.
SIBI 4	0	0
GEORGE MOSHESH 13	0	0
GEORGE MOSHESH 13	1	1
NKAU 14	0	0
NKAU 14	1	1
NKAU 14	2	2
NKAU 14	3	3
NKAU 14	4	4
NKAU 14	5	5
NKAU 14	6	6
ISAAC DIAHO 15	0	0
ISAAC DIAHO 15	1	1
ISAAC DIAHO 15	2	2
ISAAC DIAHO 15	3	3
ISAAC DIAHO 15	4	4
KLEIN JONAS 16	0	0
KLEIN JONAS 16	2	2
KLEIN JONAS 16	4	4
KLEIN JONAS 16	5	5
TSITA MOSHESH 17	0	0
TSITA MOSHESH 17	1	1
TSITA MOSHESH 17	2	2
TSITA MOSHESH 17	3	3
TSITA MOSHESH 17	4	4
TSITA MOSHESH 17	5	5
MADLANGALA 18	0	0
MADLANGALA 18	1	1
MADLANGALA 18	2	2
KOSANA 20	0	0

THREE SISTERS 26	0	0
NEWLANDS 27	0	0
MC ALPINE 28	0	0
FREEMANTLE 29	0	0
MAKOMERENG 30	0	0
DEER PARK 32	0	0
DEER PARK 32	1	1
NQATSHA 33	0	0
THE EYRIE 34	0	0
THE EYRIE 34	1	1
UPLANDS 35	0	0
RHEEBOK'S RUST 52	0	0
BELFORT 53	0	0
BRAMWELL 54	0	0
BRAMWELL 54	1	1
BRAMWELL 54	2	2
BRAMWELL 54	3	3
DELL CRANNEY 55	0	0
DELL CRANNEY 55	1	1
GLEN ALFRED 56	0	0
GLEN ALFRED 56	1	1
GLEN ALFRED 56	2	2
GLEN ALFRED 56	3	3
THE RETREAT 57	0	0
TRAMORE 58	0	0
TRAMORE 58	1	1
TRAMORE 58	2	2
TRAMORE 58	3	3
TRAMORE 58	4	4
DE SCHUIUR 59	0	0
DE SCHUIUR 59	1	1
DE SCHUIUR 59	2	2

DE SCHUIUR 59	3	0
COCHET 60	1	1
COCHET 60	2	2
COCHET 60	0	0
GEORGEHERBERT 61	2	2
GEORGEHERBERT 61	0	0
HARRYEBDEN 62	0	0
WALLACE 66	0	0
ETHELDALE 67	1	1
ETHELDALE 67	2	2
ETHELDALE 67	0	0
LE GRANGE 69	1	1
LE GRANGE 69	2	2
MONT PLAISIR 70	0	0
MONT PLAISIR 70	1	1
MONT PLAISIR 70	2	2
MAFUBE MISSION STATION 71	1	1
BERG VIEW 72	0	0
BERG VIEW 72	1	1
BERG VIEW 72	2	2
ROLLAND 73	0	0
ROLLAND 73	1	1
DRAKENROCK 93	0	0
DRAKENROCK 93	1	1
DRAKENROCK 93	2	2
O'CONNORS CAMP 94	0	0
O'CONNORS CAMP 94	1	1
O'CONNORS CAMP 94	2	2
GLADSTONE 95	0	0
GLADSTONE 95	1	1

GLADSTONE 95	2	3
GLADSTONE 95	3	4
CHARLES MILLS 99	1	5
CHARLES MILLS 99	2	6
CHARLES MILLS 99	3	11
CHARLES MILLS 99	4	12
MARSHALLSCLARKE 100	0	13
SAUL 110	0	14
SAUL 110	1	15
HILDA HEATH 112	1	19
HILDA HEATH 112	2	20
HILDA HEATH 112	0	21
AVONDALE 114	1	22
AVONDALE 114	2	23
ALWINREIN 115	0	24
ALWINREIN 115	1	25
ALWINREIN 115	2	26
ALWINREIN 115	3	0
THE START 116	0	0
THE START 116	1	0
THE START 116	2	0
BESSDALE 117	0	0
MOLIFE 118	0	0
MILIFE 18	1	2
NTHOANTSO OUTSPAN 119	2	2
UPSALA 120	8	8
BERTIE VALE 121	0	0
VERONA TRADING SITE	241	241
MAPFONTEIN TRADING SITE	242	242
GEORGE MOSHESH 13	2	2

GEORGE MOSHESH 13	3	3
GEORGE MOSHESH 13	4	4
GEORGE MOSHESH 13	5	5
GEORGE MOSHESH 13	6	6
GEORGE MOSHESH 13	11	11
GEORGE MOSHESH 13	12	12
GEORGE MOSHESH 13	13	13
GEORGE MOSHESH 13	14	14
GEORGE MOSHESH 13	15	15
GEORGE MOSHESH 13	19	19
GEORGE MOSHESH 13	20	20
GEORGE MOSHESH 13	21	21
GEORGE MOSHESH 13	22	22
GEORGE MOSHESH 13	23	23
GEORGE MOSHESH 13	24	24
GEORGE MOSHESH 13	25	25
GEORGE MOSHESH 13	26	26
QUEENS MERCY TRADING SITE 249	0	0
MPARANA TRADING SITE 250	0	0
MARIA ZEL MISSION 270	0	0
BERTIEVALE 269	0	0
MANNING 277	0	0
MANNING 277	2	2

Project Reference: 723.18034.00005

File Ref. Rhino EC 295 ER Update Letter Jan 2016

PASA Ref: 12/3/295 ER

Week of 18 January 2016

ATTENTION: LAND OWNER/STAKEHOLDER/IAP

Dear Sir/Madam

UPDATE ON SCOPING AND EIA PROCESS: APPLICATION FOR ENVIRONMENTAL AUTHORISATION WITH REGARDS AN EXPLORATION RIGHT FOR PETROLEUM ON VARIOUS FARMS IN THE MAGISTERIAL DISTRICTS OF MATATIELE AND MOUNT FLETCHER, EASTERN CAPE (12/3/295 ER)

Introduction:

As you are aware Rhino Oil and Gas Exploration South Africa (Pty) Ltd (Rhino Oil & Gas) has lodged an application for an exploration right to the Petroleum Agency South Africa (PASA) in terms of section 79 of the Minerals and Petroleum Resources Development Act (28 of 2002) (MPRDA) over properties near to Matatiele in the Eastern Cape (Ref: 12/3/295 ER). Rhino Oil & Gas subsequently made an application to PASA for environmental authorisation of exploration activities as set out in Listing Notice 2 (GN R 984), made in terms of Section 24(5) of the National Environmental Management Act (107 of 1998) (NEMA).

SLR Consulting (Pty) Ltd has been appointed as the independent environmental assessment practitioner and is undertaking the required environmental assessment and public participation process. The application is subject to a scoping and Environmental Impact Assessment (EIA) process that is being undertaken in terms of the EIA Regulations 2014 (GNR 982, 8 December 2014).

SEQOBONG 54	4
SEQOBONG 54	5
NXOTSHANE 83	0
PIRINTSU 84	0

MOUNT FLETCHER		PTN No.
IGAMA LEFAMA		22
BLACKFONTEIN TRADING SITE		0
TABASE 46		1
TABASE 46		0
TINANA 47		0
DENGWANE 48		0
PABALLONG 51		0
PABALLONG 51		1
PABALLONG 51		2
PABALLONG 51		3
PABALLONG 51		5
PABALLONG 51		6
PABALLONG 51		7
THABA CHICHA 52		1
THABA CHICHA 52		2
THABA CHICHA 52		3
THABA CHICHA 52		4
THABA CHICHA 52		5
THABA CHICHA 52		6
THABA CHICHA 52		7
THABA CHICHA 52		8
THABA CHICHA 52		9
THABA CHICHA 52		10
KUEBUNG 53		0
KUEBUNG 53		1
SEQOBONG 54		0
SEQOBONG 54		1
SEQOBONG 54		2
SEQOBONG 54		3

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Proposed Exploration Activities:

Details of the proposed exploration work programme, a map of the exploration area, list of included farms and information on the scoping and EIA process are included in the project's Background Information Document which is publically available at <ftp.slrconsulting.co.za>

Username: 1013151013 Password: vwhuigfpi23r2 or on request from SLR.

In this application Rhino Oil & Gas has only applied for approval to undertake early-phase exploration for oil and gas which might be located within suitable geological strata. The purpose of the work would be solely to determine the presence of any possible petroleum resource which could be investigated further. The initial 3-year exploration work programme will be restricted to non-invasive techniques, as well as seismic surveys and the drilling of less than 10 core boreholes.

Fracking or Not?

No hydraulic fracturing (fracking) is proposed in the 3-year exploration work programme. Rhino Oil & Gas have stated that there is not currently enough information to determine what techniques might be required for future gas extraction. If a resource was identified and subsequently proven to be commercial, then hydraulic fracturing could be one of the potential techniques for gas production. However, a lot of investigation, multiple environmental assessments and authority approvals would be required before reaching that point.

If the early-phase exploration were to confirm the presence of a potential resource, then Rhino Oil & Gas would need to seek further approval from PASA for the additional exploration work required to investigate this. Any further approval would be subject to an additional environmental assessment process with further public consultation. Similarly if the later exploration led to the discovery of a commercial resource suitable for development then Rhino Oil & Gas would need to secure a production right from PASA. Any application for a production right has to be subject to an environmental assessment process with further public consultation. Approvals are also likely to be required other legislation.

All future exploration work or production operations that may arise, if resources are discovered, is therefore beyond the scope of the current scoping and EIA process.

Notification and Consultation:

Notification to and consultation with interested and affected parties (IAPs) commenced in October 2015. An authority meeting and a public meeting were held in Matatiele in November/December 2015. A draft scoping report was also made available for review in October 2015. The public participation process to date has elicited significant response to the exploration right application.

Overall the public response was very much opposed to the exploration right application and this has been documented. The issues that have been raised are too numerous to elaborate on in this letter¹, but included various calls for further consultation and a demand that more time be allowed in the scoping and EIA schedule². SLR consulted with PASA on five key issues that were material to the overall application and the scoping and EIA process. These are summarised below:

Issue 1: Most persons participating in the EIA process stated their opposition or lodged an objection. Many of the objections were made with reasons relating to production and fracking. It is clear that the EIA process will not be able to resolve such objections. What mechanisms exist for these objections to be addressed?

Issue 2: Most IAPs have demanded that the current EIA process present details on production and undertakes an assessment of potential production (including fracking) related impacts, even though the current application does not cover further exploration or production. What is PASA's instruction with regards the scope of the current EIA?

Issue 3: Many IAPs have asked why the current Karoo Strategic Environmental Assessment (SEA) is not applicable to all areas of South Africa. Moreover, the IAPs have demanded that all exploration right applications and related EIA processes be stopped until the SEA is complete. What is PASA's response in this regard?

Issue 4: Most IAPs have argued that the time available in the current EIA schedule is insufficient to allow for the required public consultation for an application area of such large extent. Will PASA grant an extension of time within the EIA process to allow the project to respond to these issues and adjust the public participation process accordingly?

Issue 5: IAPs have raised the concern that many sites within the application areas are either protected outright or incompatible with exploration and/or the production of oil and gas and that legislation prevents such work from taking place in these areas. The question has been asked "why undertake an EIA to obtain exploration rights in areas where any gas, if it were to be found, would not be able to be extracted because of the restrictions imposed by protected area legislation and Regulation 122 of the Petroleum Regulations (GN R 466 of 2015) relating to the location of wells?". The demand is that the application be stopped, all of the future non-compatible/unlawful areas removed and then a new EIA be commenced for the revised area. What is PASA's response in this regard?

The response received from PASA to the queries is attached to this letter. The application and the scoping and EIA process will be undertaken in accordance with the guidance from PASA. In order

¹ All comments and issues that are submitted by IAPs are being captured and will be contained in the scoping report.

² The schedule for a scoping and EIA process is constrained by timeframes detailed in Part 3 of the EIA Regulations (GNR 982, 8 December 2014)

to incorporate further public interaction and investigation to augment the scoping process, SLR applied to PASA for an extension of time. In December 2015 PASA granted an extension for the scoping process, with the requirement that the final scoping report be submitted to PASA by the 20th of April 2016.

SLR is currently busy with various activities to augment notification of and consultation with stakeholders and elicit responses from interested and affected parties whom are representative of the application area. The objective is to ensure that the consultation is broad enough to produce a draft scoping report that identifies the key issues that will need to be addressed in the assessment phase. SLR is continuing to consult with stakeholders through a range of focussed meetings, additional communications and information sharing. Meetings are being arranged with the local municipalities, traditional authorities and other land owner representatives.

Interested and affected parties are advised that a revised draft scoping report will be made available for a 30 day review period. A further notice in this regard will be distributed when the revised report is available. All comments and issues raised by IAPs as well as minutes of all the meetings that were held will be included in the revised draft scoping report.

Application area:

SLR has been advised by Rhino Oil & Gas that they are reviewing the application area (currently under revision by their surveyors). The revision will exclude all properties where the granting of an exploration right is prohibited by Section 48 of the MPRDA including:

- ,as per section 48 of the Protected Areas Act (57 of 2003), special nature reserves, national parks, nature reserves, protected areas or protected environments (including world heritage sites, marine protected areas, specially protected forest areas, forest nature reserves and forest wilderness areas)
- land comprising a residential area;
- any public road, railway or cemetery;
- any land being used for public or government purposes or reserved in terms of any other law; or
- areas identified by the Minister by notice in the Gazette in terms of section 49.

Rhino Oil & Gas has also advised SLR that they will not be excluding properties or areas where a constraint may restrict exploration activity (current or future), but does not specifically prohibit the granting of an exploration right. Rhino Oil & Gas will, however, ensure that all of their activities are undertaken in a lawful and environmentally responsible manner. It is the role of the environmental process to identify all such constraints and restrict or prohibit exploration activities through documented management commitments. An example of a constraint which prohibits specific

exploration activities in certain areas, but does not prohibit the granting of a right is Sections 122 (2) and (3) of the Regulations on Petroleum Exploration and Production (GN R 466, June 2015). SLR will identify and document these constraints in the EIA.

Summary:

The environmental assessment process of the application for an exploration right by Rhino Oil & Gas over near Matatiele in the Eastern Cape (Ref: 12/3/295 ER) is still in the scoping phase. To date, IAPs have raised many issues and strong objection to the project. The scoping and EIA process is adapting to responses and the guidance from PASA on the key issues. Consultation with potentially interested and affected parties is ongoing and work to augment notification of and consultation with stakeholders is being undertaken.

The primary objective of the scoping process is to identify the key issues that need to be addressed in the assessment phase that will follow. It is to be noted that the purpose of the scoping phase is not to provide answers to all the issues that arise, but rather to document these and ensure that the level of assessment required, will be undertaken in the EIA. The results of the current process, including details of the issues and objections will be documented in a scoping report. Once completed, a draft scoping report will be made available to interested and affected parties for a 30 day review period.

Please pass this letter onto any other persons whom you know may have an interest in the project. We welcome any comment or questions. Thank you for your ongoing involvement in the scoping and EIA process.

Yours faithfully



Matthew Hemming

MSc (Conservation Biology)

Environmental Assessment Practitioner



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RHINO OIL & GAS EXPLORATION SOUTH AFRICA (PTY) LTD

ENVIRONMENTAL IMPACT ASSESSMENT FOR THE
EXPLORATION RIGHT FOR PETROLEUM ON VARIOUS
FARMS IN THE MAGISTERIAL DISTRICT OF MATATIELE
& MT. FLETECHER, EASTERN CAPE

SCOPING MEETING

29 September 2015

(PASA Ref No. 3/11/295 ER)

AGENDA

1. Welcome and introductions
2. Project overview
 - project scope
 - environmental process
3. Current state of the environment
4. Questions and comments
5. Way forward and closure

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INTRODUCTION

- Welcome to all
- Phillip Steyn is from Rhino Oil and Gas and will introduce the project.
- Matthew Hemming from SLR Consulting is the Environmental Assessment Practitioner


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PURPOSE OF MEETING

- Provide an overview of the project
- Understand the environmental process
- Obtain input on the existing status of the environment
- Obtain input on potential impacts
- Raise and record environmental issues
- Agree on the way forward

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INTRODUCTION

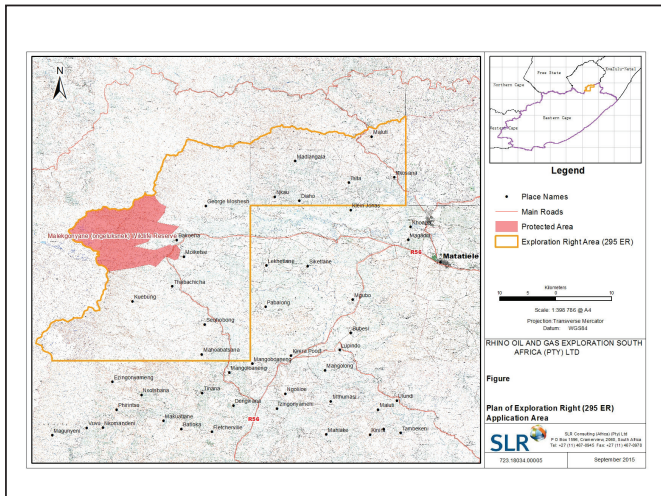
- Rhino Oil and Gas (Pty) Ltd has made an application for an exploration right (ER) for petroleum in terms of Section 79 of the Mineral and Petroleum Resources Development Act.
- The ER, if granted, will enable Rhino to undertake exploration, on the included properties, with the methods proposed.
- Rhino must obtain an environmental authorisation before the ER can be granted.

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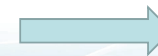
PROJECT OVERVIEW

- ER covers ~200 farm portions
- Area of 120 000 ha
- Excludes the Malekgonyane Nature Reserve
- The proposed exploration work is solely to identify if a resource exists.
- No extraction or testing of gas or oil



APPLICANT AND PROJECT

Rhino Presentation



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ENVIRONMENTAL PROCESS

Why?

- Legal requirement into MPRDA and NEMA
 - Scoping and EIA process to inform environmental authorisation
 - Consult with land owners and interested parties
- The Petroleum Agency South Africa (PASA) is the designated authority for Petroleum Exploration.
- SLR Consulting is appointed to undertake the Scoping and EIA.

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ENVIRONMENTAL PROCESS

How?

- Process defined in 2014 EIA Regulations
- Must be done by an EAP
- Participation of interested and affected parties
- Possible specialist investigations
- Reporting (Scoping and then EIA/EMP)
- Decision making by authority

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ENVIRONMENTAL PROCESS

What?

- Define proposed project and alternatives
- Understand the affected environment
- Assess the potential impacts of the project on the environment
- Identify appropriate management measures

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ENVIRONMENTAL PROCESS

Who is involved?

- Landowners, land users and lawful occupiers
- Non-governmental organisations, parastatals
- **Department of Mineral Resources (via PASA)**
- Department of Economic Development, Tourism & Environmental Affairs
- Department of Water and Sanitation
- Department of Agriculture, Forestry and Fisheries
- National/Provincial Heritage body
- Provincial Wildlife Authority
- District Municipalities
- Local Municipalities
- Ward councillors
- Traditional authorities

IAPs

Regulatory authorities

Local authorities

ENVIRONMENTAL PROCESS

Notification process

- Adverts, notices, letters, BID.
- BID provides information so that people can participate meaningfully.
- Challenges in sourcing contact details for land owners over so many farms and to rural people.
- Referrals by notified people and traditional authorities is helping.
- Process is on-going and will continue in EIA.

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ENVIRONMENTAL PROCESS

Scoping report (due in October)

- Sets out all issues that have to be investigated further.
- Sets out how these investigations will be performed.
- "Agreed approach" between the public, authorities and the project team.

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ENVIRONMENTAL PROCESS

EIA report (due after approval of Scoping)

- Understand key sensitivities of the area.
- Identify potential risks/impacts of exploration activities.
- Assess how the proposed activities would impact the environmental aspects of the affected area.
- Determine management and mitigation measures

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ENVIRONMENTAL PROCESS

EMP report (submitted with EIA)


- Set out the management measures under which exploration must be conducted to prevent unacceptable environmental impacts.
- Adaptation of exploration methods to take account of local sensitivities and concerns.
- Prevent exploration activity at incompatible sites.
- EMP and authorisation conditions are legally binding.

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SURVEY ALTERNATIVES


Aspects	Options being considered
Survey method	Vibroseis vs explosive shot-hole. Explosive is a more portable, versatile method.
Survey routes	Can't be identified yet as require first phase data. But highly flexible and can be routed along least sensitive areas in a region.
Infrastructure	No permanent infrastructure required. Operator supplies all and removes all on completion.

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DRILLING ALTERNATIVES

Aspects	Options being considered
Drill method	Diamond core is most appropriate to determine stratigraphy. Mobile rig with small operational footprint. Quick completion
Drill sites	Can't be identified yet as require first phase data. But highly flexible and can be sited on least sensitive areas in a region.
Access	Make use of existing routes.
Infrastructure	No permanent infrastructure required. Operator supplies all and removes all on completion.
Water consumption	As locally appropriate, in agreement with land owner and from legal source

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STATUS OF EXISTING ENVIRONMENT

Socio-economic:

- Largely rural, no towns
- Low population density
- Possibly impoverished areas, with very little economic activity, low education levels and low skills base
- Main economic industries – agriculture and tourism

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STATUS OF EXISTING ENVIRONMENT

Topography:

- Steep and deeply incised valleys
- Flatter in the east with some valley bottoms and hill plateaus
- Region rising over 1000 m to the NW with the Drakensberg mountain Range

Soils and land capability:

- Soils generally of low productivity due to steepness
- Limited crop production in valley bottoms
- High stocking rates on grassland
- Localised erosion.

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STATUS OF EXISTING ENVIRONMENT

Land use:

- Largely agricultural (extensive and subsistence)
- Stock grazing
- Limited cropping on flat ground (dryland and irrigated)
- Some ecotourism

Heritage/cultural resources:

- Likely to be family grave sites at settlements.

STATUS OF EXISTING ENVIRONMENT

Surface water :

- In headlands of Mzimvubu to Keiskama WMA, multiple quaternary catchments
- Watercourses and rivers flow SE to ocean.
- Water quality expected to be good
- Huge water production, but relatively little use

Groundwater:

- Shallow and deeper aquifer systems
- Limited use for agriculture and drinking
- Water quality expected to be good

STATUS OF EXISTING ENVIRONMENT

Air quality:

- Good
- Local point sources expected to be minimal
- Agricultural activities and vehicles, veld fires

Noise:

- Mostly very quiet. Very limited local noise sources.

Visual:

- Wide open spaces, big mountain backdrop providing expansive scenery
- High 'sense of place'

POTENTIAL ANTICIPATED IMPACTS

Likely to be limited as proposed exploration is mostly done remotely (except seismic surveys and drilling).

Also localised as seismic surveys and drilling take place on less than 0.02% of the total area.

And of short duration as activities are completed in days or weeks.

But these could possibly:

- Disturb nearby receptors or result in nuisance,
- Interfere with land use,
- Damage local infrastructure,

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POTENTIAL ANTICIPATED IMPACTS

Cont...:

- Cause local soil disturbance or pollution
- Pollute surface or shallow groundwater,
- Damage or disturb biodiversity, ecosystem services
- Consume water,
- Compromise farm security,
- Generate wastes,
- Result in fires.
- etc

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POSSIBLE MANAGEMENT MEASURES

- Define '**no-go areas**' through selection of sensitivity criteria.
- **GIS assessment** of all target sites to select areas of no/low sensitivity.
- **Site inspection** prior to establishment to confirm appropriateness.
- Negotiate **access agreement** with land owner prior to use.

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QUESTIONS OR COMMENTS

Baseline environment and/or Potential impacts

Cultural Socio-economic Biophysical

Developments / land uses

That could affect the project or be affected by the project

Project plan and/or alternatives

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WAY FORWARD

- Distribute draft Scoping report (from 19 October)
- Regulatory authority and public review (30 days)
- EIA investigations (next 3-5 months)
- Distribute draft EIA and EMP report (~ March/April 2016)
- EIA feedback Meetings (~ March/April 2016)
- Regulatory authority and public review of EIA (30 days)
- Distribute record of decision (~ 3rd quarter 2016)

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THANK YOU

CLOSE

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LOGISTICS

Environmental reports:

- Full reports – English
- Summaries – English / Xhosa

Summaries :

- via e-mail or post

Full reports:

- Matatiele Public Library
- Electronic on CD (if requested)
- **Where else?**
- Project website
- SLR's Library (Fourways, Johannesburg)

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RHINO OIL AND GAS EXPLORATION SOUTH AFRICA PTY) LTD –
 EXPLORATION RIGHT APPLICATION
 PROOF OF PUBLIC CONSULTATION PROCESS
 PASA FILE REFERENCE NUMBER: 12/3/291 ER

This is to certify that I

Fr. B. W. Gathu

in my capacity as a representative of

Manager, Mariazell

have received the following documents:

PLEASE COMPLETE AND TICK RELEVANT BOX

<u>60</u> Background Information Documents (BIDs) for distribution to the public.	
---	--

Date: 12/09/15

[Signature]
Signature/ Stamp:

FR. BERNARD GATHU
 MARIAZELL INSTITUTION
 P.O. BOX 68
 MATATIELE, 4730
 SOUTH AFRICA



RHINO OIL AND GAS EXPLORATION SOUTH AFRICA PTY) LTD –
 EXPLORATION RIGHT APPLICATION
 PROOF OF PUBLIC CONSULTATION PROCESS
 PASA FILE REFERENCE NUMBER: 12/3/291 ER

This is to certify that I

T. O. Raly

in my capacity as a representative of

Matatiele Local Municipality

have received the following documents:

PLEASE COMPLETE AND TICK RELEVANT BOX

<u>20</u> Background Information Documents (BIDs) for distribution to the public.	
---	--

Date: 17/09/2015

[Signature]
Signature/ Stamp:



**RHINO OIL AND GAS EXPLORATION SOUTH AFRICA PTY) LTD –
EXPLORATION RIGHT APPLICATION
PROOF OF PUBLIC CONSULTATION PROCESS
PASA FILE REFERENCE NUMBER: 12/3/291 ER**

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MOHAMED MOE M.R.

in my capacity as a representative of

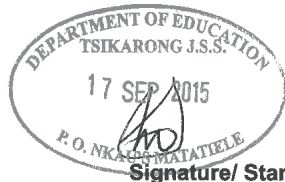
TSIKARONG J.S.S.

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---	--

Date: 17-09-2015



Signature/ Stamp:

Mase Rantsieng

From: Stella Moeketse
Sent: 18 September 2015 12:43 PM
To: kokstad@cie.org.za
Cc: Mase Rantsieng
Subject: Application for an Exploration Right in Matatiele and Elundini: Background Information Document
Attachments: English_2015-09-18-Rhino EC BID Final.pdf

Tracking:	Recipient	Delivery	Read
	kokstad@cie.org.za		
	Mase Rantsieng	Delivered: 2015/09/18 12:44 PM	Read: 2015/09/18 01:06 PM

ATTENTION: STAKEHOLDER

Dear Sir/Madam

NOTICE OF APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN SUPPORT OF EXPLORATION RIGHT FOR PETROLEUM ON VARIOUS FARMS IN THE MAGISTERIAL DISTRICTS OF MATATIELE AND MOUNT FLETCHER, EASTERN CAPE (12/3/295 ER)

Please be informed that Rhino Oil and Gas Exploration South Africa (Pty) Ltd has lodged an application for an **exploration right** to the Petroleum Agency South Africa (PASA) in terms of section 79 of the Minerals and Petroleum Resources Development Act, 2002. Rhino Oil and Gas proposes to undertake early-phase exploration for oil and gas which may be located underground within suitable geological strata. The purpose is to determine the presence of a petroleum resource which could be investigated further. The initial 3-year exploration work programme will be restricted to non-invasive techniques, seismic surveys and the drilling of less than 10 core boreholes for determining stratigraphy. No hydraulic fracturing or fracking is proposed.

Rhino Oil and Gas is required to make an application for **environmental authorisation** of the exploration activities in terms of Chapter 5 of the National Environmental Management Act, 1998 (No. 107 of 1998) (NEMA). The application must be subject to a scoping and environmental impact assessment process as stipulated in the EIA Regulations (GNR 982, 8 December 2014).

SLR Consulting (South Africa) (Pty) Ltd are appointed as independent environmental consultants responsible for the public participation and environmental assessment required to inform a decision on the environmental authorisation. As part of the initial phase of this work we are distributing information to as many interested or affected parties as possible. Through various resources we have obtained contact details for owners of land and potential stakeholders. We continue to acquire such details. The project is being advertised in local newspapers and through notices placed in towns within the area.

Our information leads us to believe that you may be a stakeholder with interest in the application. We would thus like to notify you of the application and provide you with introductory information on the proposed exploration project. The Background Information Document explains the proposed project, outlines the application process and includes a map and the names of all farms included in the application area.

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Yours faithfully



Matthew Hemming

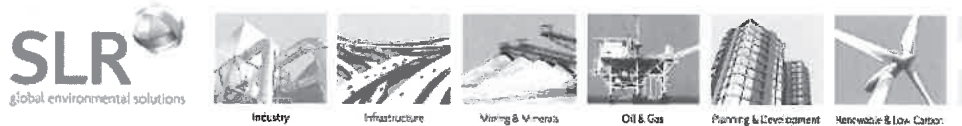
MSc (Conservation Biology)
Environmental Assessment Practitioner

Stella Moeketse

Environmental Assessment Practitioner
SLR Consulting (Africa) (Pty) Ltd

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Mase Rantsieng

From: Stella Moeketse
Sent: 18 September 2015 12:43 PM
To: agriec@mweb.co.za; peterneave@heinztoyota.co.za; cedarvillefa@telkomsa.net
Cc: Mase Rantsieng
Subject: Application for an Exploration Right in Matatiele and Elundini: Background Information Document
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Tracking:	Recipient	Read
	agriec@mweb.co.za	
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	cedarvillefa@telkomsa.net	
	Mase Rantsieng	Read: 2015/09/18 01:06 PM

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Matthew Hemming

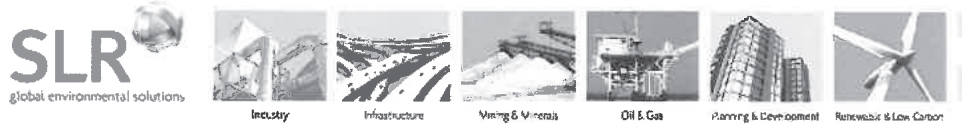
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Mase Rantsieng

From: Stella Moeketse
Sent: 18 September 2015 01:07 PM
To: georgemokabo@gmail.com
Cc: Mase Rantsieng
Subject: Application for an Exploration Right in Matatiele and Elundini: Background Information Document
Attachments: English_2015-09-18-Rhino EC BID Final.pdf

Tracking:	Recipient	Delivery	Read
	georgemokabo@gmail.com		
	Mase Rantsieng	Delivered: 2015/09/18 01:07 PM	Read: 2015/09/18 01:08 PM

ATTENTION: BANTU PRESBYTERIAN CHURCH OF SOUTH AFRICA (LANDOWNER)

Dear Reverend George Mofokeng Mokabo

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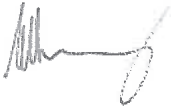
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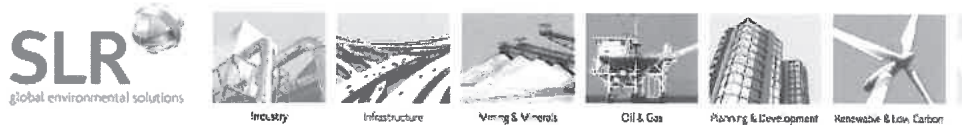
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From: Stella Moeketse
Sent: 18 September 2015 12:43 PM
To: ngesip@petroleumagency.co.za; khumalon@petroleumagency.co.za; info@geoscience.org.za; mining@csir.co.za; plochner@csir.co.za; rabson@maloti.org.za; avanwyk@ppf.org.za; eladmin@wessa.co.za; advocacy@birdlife.org.za; aburns@wwf.org.za; egtproject@mweb.co.za; vstone@wwf.org.za; bradleyg@ewt.org.za; jonathan.deal@treasurethekaroo.co.za; research@treasurethekaroo.co.za
Cc: Mase Rantsieng
Subject: Application for an Exploration Right in Matatiele and Elundini: Background Information Document
Attachments: English_2015-09-18-Rhino EC BID Final.pdf

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	plochner@csir.co.za		
	rabson@maloti.org.za		
	avanwyk@ppf.org.za		
	eladmin@wessa.co.za		
	advocacy@birdlife.org.za		
	aburns@wwf.org.za		
	egtproject@mweb.co.za		
	vstone@wwf.org.za		
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	jonathan.deal@treasurethekaroo.co.za		
	research@treasurethekaroo.co.za		
	Mase Rantsieng	Delivered: 2015/09/18 12:43 PM	Read: 2015/09/18 01:06 PM

ATTENTION: STAKEHOLDERS

Dear Sir/Madam

NOTICE OF APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN SUPPORT OF EXPLORATION RIGHT FOR PETROLEUM ON VARIOUS FARMS IN THE MAGISTERIAL DISTRICTS OF MATATIELE AND MOUNT FLETCHER, EASTERN CAPE (12/3/295 ER)

Please be informed that Rhino Oil and Gas Exploration South Africa (Pty) Ltd has lodged an application for an **exploration right** to the Petroleum Agency South Africa (PASA) in terms of section 79 of the Minerals and Petroleum Resources Development Act, 2002. Rhino Oil and Gas proposes to undertake early-phase exploration for oil and gas which may be located underground within suitable geological strata. The purpose is to determine the presence of a petroleum resource which could be investigated further. The initial 3-year exploration work programme will be restricted to non-invasive techniques, seismic surveys

and the drilling of less than 10 core boreholes for determining stratigraphy. No hydraulic fracturing or fracking is proposed.

Rhino Oil and Gas is required to make an application for **environmental authorisation** of the exploration activities in terms of Chapter 5 of the National Environmental Management Act, 1998 (No. 107 of 1998) (NEMA). The application must be subject to a scoping and environmental impact assessment process as stipulated in the EIA Regulations (GNR 982, 8 December 2014).

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Please register with the public participation office should you be an interested or affected party. You must register if you wish to participate in the environmental assessment process for the project.

Please also pass this document on to any other persons whom you know reside in or near to the exploration right application area. We welcome any comment or questions.

Yours faithfully



Matthew Hemming

MSc (Conservation Biology)

Environmental Assessment Practitioner

Mase Rantsieng

From: Stella Moeketse
Sent: 18 September 2015 01:07 PM
To: nolanthurston@gmail.com
Cc: Mase Rantsieng
Subject: Application for an Exploration Right in Matatiele and Elundini: Background Information Document
Attachments: English_2015-09-18-Rhino EC BID Final.pdf

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	Mase Rantsieng	Delivered: 2015/09/18 01:08 PM	Read: 2015/09/18 01:08 PM

ATTENTION: DIOCESE OF UMTATA OF THE ROMAN CATHOLIC CHURCH (LANDOWNER)

Dear Right Reverend Bishop Sithembele Sipuka

NOTICE OF APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN SUPPORT OF EXPLORATION RIGHT FOR PETROLEUM ON VARIOUS FARMS IN THE MAGISTERIAL DISTRICTS OF MATATIELE AND MOUNT FLETCHER, EASTERN CAPE (12/3/295 ER)

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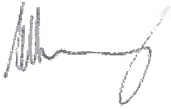
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Yours faithfully



Matthew Hemming

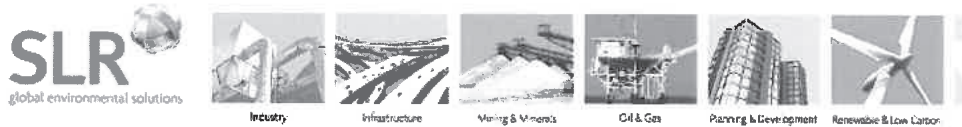
MSc (Conservation Biology)
Environmental Assessment Practitioner

Stella Moeketse

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Mase Rantsieng

From: Stella Moeketse
Sent: 18 September 2015 01:08 PM
To: bishop.mlungisi@gmail.com; srtheresafsf@gmail.com
Subject: Application for an Exploration Right in Matatiele and Elundini: Background Information Document
Attachments: English_2015-09-18-Rhino EC BID Final.pdf

ATTENTION: ROMAN CATHOLIC MISSION OF MARIANHILL (LANDOWNER)

Dear Bishop Phais Mlungwane

NOTICE OF APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN SUPPORT OF EXPLORATION RIGHT FOR PETROLEUM ON VARIOUS FARMS IN THE MAGISTERIAL DISTRICTS OF MATATIELE AND MOUNT FLETCHER, EASTERN CAPE (12/3/295 ER)

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Matthew Hemming

MSc (Conservation Biology)
Environmental Assessment Practitioner

Stella Moeketse

Environmental Assessment Practitioner
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Mase Rantsieng

From: Stella Moeketse
Sent: 18 September 2015 01:08 PM
To: refilwe.maimane@drdlr.gov.za; nomba.mloniyeni@drdlr.gov.za; nkululeko.mantanga@drdlr.gov.za
Cc: Mase Rantsieng
Subject: Application for an Exploration Right in Matatiele and Elundini: Background Information Document
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	nkululeko.mantanga@drdlr.gov.za		
	Mase Rantsieng	Delivered: 2015/09/18 01:08 PM	Read: 2015/09/18 01:09 PM

ATTENTION: DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM (LANDOWNER)

Dear Ms Bahlekile Keikelame or Ms Refilwe Maimane

NOTICE OF APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN SUPPORT OF EXPLORATION RIGHT FOR PETROLEUM ON VARIOUS FARMS IN THE MAGISTERIAL DISTRICTS OF MATATIELE AND MOUNT FLETCHER, EASTERN CAPE (12/3/295 ER)

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MSc (Conservation Biology)
Environmental Assessment Practitioner

Stella Moeketse
Environmental Assessment Practitioner
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PO Box 303
Mganduli
5080

Makhenke Mbalu
PO Box 198
Cala
5455

Sepeto Sabasaba
Po Box 127
Tsolo
5170

Councillor Ward 12
P O Box 171
Matatiele
4730

K Sambane
P O Box 307
Matatiele
3200

S Mtabeni
P O Box 307
Matatiele
4730

S Maqhubu
PO Box 217
Matatiele
4730

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4820

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P.O Box 45,
Engcobo
5050

NAFU
P O Box 227,
Idutywa
5000

M Mtoto
P O Box 250
Matatiele,
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PO Box 259
Maclear
5480

Thryssis Presslie Mbalu
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Lusikisiki,
Howick,
3290

Mr Johan Greyling
P.O Box 227
Dordrecht
5435

STG Moshesh
P O Box 774
Matatiele
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MacDonald Farm
P O Box 330
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PO Box 7485,
King William's Town
5600

Director: Environment
P.O Box 0040

Bisho
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Eston,
Kwazulu-Natal,
3740

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Suite 279, Private Bag X6,
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DREAM LEMONS FOR AFRICA CC

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3915

KING SHAKA PROJECTS PROPRIETARY LIMITED

P O Box 10105,
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Mpumalanga,
1218

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P O Box 3699,
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NETHERWOOD CC

P O Box 35084,
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4065

MONA GLEN FARMING CC

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KEISAN PROPERTY HOLDINGS CC

P O Box 27918,
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LOT 194 MARINA BEACH PTY LTD

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BAINBRIDGE CONSOLIDATED HOLDINGS PTY LTD
P O Box 713,
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3231

LITTLE YARROW FARM CC
P O Box 3428,
Johannesburg,
2000

MIDLANDS IMPERIAL INVESTMENTS CC
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P O Box 3236,
Randburg,
Gauteng,
2125

SHELF CORP 55 CC
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P O Box 491,
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3370

FANTIQUE TRADE 1203 CC
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Mooi River,
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MULLINS FAMILY CC
P O Box 37710,
Varyland,
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REAL OREGON FURNITURE CC
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Mooi River,
Kwazulu-Natal,
3300

SOVEREIGN FYES FARMS PTY LTD
P O Box 1930,
Westville,
3630

HENNOX 768 CC
P O Box 84140,
Greenside,
2034

ESTEEM PROPERTY RENOVATORS & DEVELOPERS CC
3 Ocean Drive South,
Southport,
Kwazulu-Natal,
4230

J SWART PROPERTIES CC
24 Tunbridge Drive
Cowies Hill
3610

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2 Rana Road
Isipingo
Kwazulu Natal
4133

MILROUX ESTATES CC
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Camperdown,
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H M B CONTRACTORS CC
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Merrivale,
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DORNOCH FARMING CC
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Kwazulu-Natal,
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GELUKSRUS BOERDERY EDMS BPK
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ETERNAL FLAME INVESTMENTS 124 PROPRIETARY LIMITED
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Kwazulu-Natal,
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PIDELTA PROPERTIES PTY LTD
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Greytown,
Kwa-Zulu Natal,
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Natal, 3217

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INDEZI MARKETING CC

P O Box 50,
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3650

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The Farm Glenrock,
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MAKHOSINI VALLEY FARM CC

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Dave Harper

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3650

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Randburg
2125
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Salimba CC

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Ashburton
3213

P.O Box 3370

Ladysmith
3370

FRIMAR BELEGGINGS CC

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Kwa-Zulu Natal,
3100

Agric Outsoures (Pty) Ltd

P.O Box 208
Richmond
3780

Chaplain Manufacturing CC

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Ladysmith
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Durban
4000

Ncethezo Trading Enterprise CC

P.O Box 892
Greytown
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Silver Flame Trading 512 CC

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Ashburton
3213

P.O Box 84

Weenan
3370

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Church of England

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Clareinch
7740
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3250

S M HIRSCHOWITZ LIVESTOCK PTY LTD

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Wartburg
3233

P.O Box 927

Hillcrest
3650

P.O Box 366

Weenan
3325

P.O Box 459

Greytown
3250

P.O. Box 531
Greytown,
3250

P.O. Box 352
Greytown
3250

P.O. Box 1448
Greytown
3250

P.O. Box 10
Greytown
3250

P.O. Box 8
Greytown
3251

P.O. Box 453
Greytown
3250

P.O. Box 1824
Kwa-mashu
4360

3 Doreen Road,
Howick
3290

Postnetsuite 71

P.O. Box 145
Nottingham Road
3300

P.O. Box 696
Mooi River
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P.O. Box 1279
Richmond
3780

P.O. Box 162
Richmond
3780

P.O. Box 652
Richmond
3780

P.O. Box 78
Eston
3240

P.O. Box 312
Richmond
3240

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Richmond
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P.O. Box 37
Mid-Illovo
3750

P.O. Box 62
Richmond
3780

P.O. Box 62
Richmond
3780

P.O. Box 1681
Greytown
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ARM CC

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CBB PROJECTS (PTY) LTD
PO Box 271
Wartburg
3233

SAPPI PROPERTY COMPANY PROPRIETARY
LIMITED
Po Box 31560,
Braamfontein,
2017

SHME AGAIN TRADING PROPRIETARY LIMITED
P O Box 73297,
Fairland,
2030

FIRTH POULTRY BREEDERS CC
P O Box 456,
Hilton,
3200

MARWICK BROTHERS CC
P O Box 53,
Richmond,
Natal,
3780

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DUNBRIDGE INV 11 CC
P O Box 279,
Richmond,
3780

FECARE PROPERTIES PTY LTD
Private Bag X13,
Northlands,
16

SOLTON PTY LTD
P O Box 250,
Ladysmith,
3370

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R M ALLAN CONSTRUCTION CC
Lot 23 Mangete,
Mandini,
4490

MIDLANDS PINE PRODUCTS PTY LTD
16 Noodsburg Road,
Dalton,
Kwazulu-Natal,
3236

BEAULIEU INV CC
P O Box 34,
Matatiele,
4730

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MELGEM ESTATES PTY LTD
P O Box 1576,
Pietermaritzburg,
3200

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STEGEN FISH TRADERS CC
Po.Box 100200,
Scottsville,
3209

CORPCLO 816 CC
P O Box 221,
Richmond,
3780

C U F PROPERTIES PTY LTD
Unit 5 Kingfisher Office Park, 14 Kingfisher
Crescent,
Meyersdal,
Gauteng,
1448

NEW HANOVER GARAGE CC
R33 Old Greytown Road,
New Hanover,
3230

STRATHFIELDSAYE SUGAR CO PTY LTD
PO Box 2330
Pietermaritzburg
3200

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W G MAXWELL INV PTY LTD
1817 Yarrow D734 Rd,
Lions River Rural District,
Howick,
3290

CORPCLO 281 PTY LTD
Victory Farm,
Richmond,
Kwazulu-Natal,
3233

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ROWBRIDGE INV 1 CC
P O Box 80,
Wartburg,
3233

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ISIQABETHO TRADING SECONDARY CO-
OPERATIVE LTD
P O Box 1011,
Mooi River
3300

J N MCKENZIE PTY LTD
P O Box 13151,
Cascades,
3202

WATERFIELD GROWERS CC
197 Cliffdale Road,
Assegai,
Durban,
Kwazulu-Natal,
4052

PROPERTY TRUST-TRUSTEES

NATAL CREOSOTING CC
P O Box 1229,
Port Shepstone,
4240

ASTRAL OPERATIONS LTD
6 Butler Road,
Pietermaritzburg,
3201

KONKA CIVILS CC

Road D831 Beauulin Farm,
Richmond,
Kwazulu-Natal,
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SOUTH AFRICAN NATIONAL ROADS AGENCY LTD
58 Vaneckplace
Mkondeni,
3201

MASONGA CONTRACTORS CC
P O Box 282,
Pietermaritzburg,
3200

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NGIDI AND COMPANY INCORPORATED

P O Box 5722,
Durban,
4000

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C ANDERSON'S TRANSPORT PTY LTD
P O Box 13774,
Cascades,
3202

IN LINE TRADING 70 PROPRIETARY LIMITED
P. O. Box 139
Richmond,
3780

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HTT PROPERTIES CC

P O Box 1229,
Port Shepstone,
4240

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BIZ AFRIKA 1840 PTY LTD
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Richmond,
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KING SHAKA PROJECTS PROPRIETARY LIMITED

P O Box 10105,
The Village,
Nelspruit,
Mpumalanga,
1218

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SENDHOLM CC
P O Box 3699,
Pietermaritzburg,
3200

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KATOPE NATAL PTY LTD
Richmond Valley Road,
Richmond,
Kwazulu-Natal,
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UNLIMITED POTENTIAL TRADING CC

P.O.Box 695,
Pietermaritzburg,
3200

WATERSMEET SEEDLINGS CC
Po Box 213,
Richmond,
3780

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R Z T ZELPY 5296 PTY LTD
Po Box 74423,
Lynnwood Ridge,
0040

ETHERWOOD CC

O Box 35084,
Northway,
165

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MONA GLEN FARMING CC
P O Box 289,
Richmond,
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KEISAN PROPERTY HOLDINGS CC
P O Box 27918,
Danhof,
9310

ROURNE FARMING CC

Box 1162,
Stville,
Kwazulu Natal,
3100

VOLKER FORESTRY PROPRIETARY LIMITED
Elbridge Farm,
Vryheid, Kwazulu-
Natal,
3100

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FOUNDERS GROVE INV 36 CC
P O Box 1858,
Durban,
4000

VEST 1230 CC
ad,

LEWOOD FARM CC
Rosewood Farm,
Eston,
Kwazulu-Natal,
3740

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GLARY FARM CC
Cluster Box 2208,
Everton,
3625

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BAYETE MARINE SERVICES PTY LTD
P O Box 5385,
Durban,
4000

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FOURWAYS PROP CC
3 Pine Crescent
Doornheigtes
Amanzimtoti
4125

WIVETON PLANT GROWERS PROPRIETARY LIMITED
8 Armstrong Avenue, La Lucia,
Jmhlanga,
Kwazulu-Natal,
051

ROUCH FOOTWEAR CC
A Failsworth Road, Allandale,
Pietermaritzburg,
Kwazulu-Natal,
01

CRAMOND FORESTS PTY LTD
Box 77,
Cramond,
Kwazulu-Natal,
3200

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SEPANG PROPERTIES CC
11 Morgan Road,
Pinetown,
3610

BLACK FOREST FARMING CC
Suite 279, Private Bag X6,
Cascades,
3202

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FREEWHEEL TRADE & INV 7 PTY LTD
P O Box 1445,
Pietermaritzburg,
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HI-PRIME PROPERTY INV PTY LTD
P.O.Box 652737,
Benmore,
2010

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N C T FORESTRY CO-OP LTD
346 Burger Street,
Pietermaritzburg,
Kwazulu-Natal,
3201

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DUNBAR ESTATES PTY LTD
P O Box 967,
Richmond,
3780

UPWARD SPIRAL 1250 CC
Po Box 13774,
Cascades,
3202

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CRAMOND HOUSE CC
Sub 3 Of 1, Farm Cramond, No 1803,
Cramond,
Kwazulu-Natal, 3220

MASONITE AFRICA LTD
Suite 200, Block 2, Island Office Park,
35-37 Island Circle,
4017

DREAM LEMONS FOR AFRICA CC
P O Box 775,
Westville,
3630

LAWRIEBURN FARM CC
P O Box 148,
Amatikulu,
3801

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ZENITH ESTATES CC
K36 Off Low Umfolozi, Magisterial Road,
Kwambonambi,
Kwazulu-Natal,
3915

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TIRADEPROPS 35 PTY LTD
P O Box 821,
Kloof,
3640

WAREING BROTHERS CC
P O Box 18,
Pinetown,
3600

LOT 194 MARINA BEACH PTY LTD
P.O. Box 19,
Greytown,
3250

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MARIANHILL MISSION INSTITUTE
Abbot Francis Home,
Mthatha,
Eastern Cape,
5100

ERS CC

MHLOPENI RANCH LTD
P O Box 386,
Greytown, **REGISTERED LETTER**
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TRADE AVAIL 161 CC
97 A Main Street,
Howick, **REGISTERED LETTER**
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BAINBRIDGE CONSOLIDATED HOLDINGS PTY LTD
P O Box 713,
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LITTLE YARROW FARM CC
P O Box 3428,
Johannesburg, **REGISTERED LETTER**
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MIDLANDS IMPERIAL INVESTMENTS CC
P O Box 3699,
Pietermaritzburg,
3200

GRANTCHESTER HERD CC
P O Box 835,
Mooi River,
3300

REAL OREGON FURNITURE CC
P O Box 1291,
Howick,
3290

ITHEMBA LABANTU DEV PTY LTD
P O Box 5100,
Sinembe,
4019

MLOZANI VALLEY CC
P O Box 3236,
Randburg, **REGISTERED LETTER**
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ROVIC RANCHES CC
P O Box 771,
Bedfordview, **REGISTERED LETTER**
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MILROUX ESTATES CC
Posbus 200,
Camperdown,
3720

CANEMA FARMS CC
P O Box 60,
Greytown, **REGISTERED LETTER**
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TOWER CITY TRADING 135 CC
P O Box 145,
Merrivale, **REGISTERED LETTER**
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GONGOLO WILDLIFE RESERVE LIMITED
P O Box 357, Moorriver,
Kwa-Zulu Natal,
3300

LONG SUPPLY CHAIN CONSULTANTS PTY LTD
P O Box 456,
Hilton,
Kwa-Zulu Natal,
3245

BRACKEN FORESTRY PTY LTD
Bracken Farm, Dundee Road,
Greytown, **REGISTERED LETTER**
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SHELF CORP 55 CC
P O Box 78035,
Avondale Road,
4101

PHINDANA PROPERTIES 32 CC
P O Box 701282,
Overport,
4067

CRAIG NEVEN FARM PTY LTD
Craig Neven Farm, D161 District Road,
Mooi River,
Kwazulu-Natal, **REGISTERED LETTER**
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H M B CONTRACTORS CC
Speculation Farm, 1 District Road,
Umvoti,
Kwazulu-Natal,
3250

DORNOCH FARMING CC
Seven Streams Farm,
Boston, **REGISTERED LETTER**
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MAWELA PROPERTIES PTY LTD
Private Bag X9915,
Sandton,
2146

HORSELOVERS CC
P O Box 491,
Ladysmith,
3370

FANTIQUE TRADE 1203 CC
P.O. Box 929,
Mooi River,
3300

SOVEREIGN FYES FARMS PTY LTD
P O Box 1930,
Westville, **REGISTERED LETTER**
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P O Box 52368,
Saxonwold,
Gauteng,
2132

GELUKSRUS BOERDERY EDMS BPK
Posbus 2498,
Pietermaritzburg,
3200

H H BENNETT INV HOLDINGS PTY LTD
P O Box 1576,
Pietermaritzburg,
3200

MULLINS FAMILY CC
O Box 37710,
Maryland,
178

P G MAVUNDLA PROPERTIES PTY LTD
P O Box 348,
Sarnia, **REGISTERED LETTER**
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HENNOX 768 CC
P O Box 84140,
Greenside, **REGISTERED LETTER**
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N F DLADLA PROPERTIES CC
P O Box 3699,
Pietermaritzburg, **REGISTERED LETTER**
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AMANDLA EMICABANGO INVESTMENTS PROPRIETARY LIMITED
P O Box 35465,
Menlo Park,
0102

MANLYN ESTATES PTY LTD
P O Box 2498,
Pietermaritzburg,
3200

LD FLO TRADING 48 CC
tinet Suite 15,
ate Bag X6,
cades,
-Zulu Natal,
2

BURCRON PROPS 52 PTY LTD
P O Box 211,
Springs,
1560

ESTEEM PROPERTY RENOVATORS & DEVELOPERS CC
3 Ocean Drive South,
Southport, **REGISTERED LETTER**
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SINGOSI HOLDINGS PTY LTD
P O Box 3143,
Pietermaritzburg,
3200

E & C CHARCOAL PTY LTD
Suite 2, Dorchester Place,
190 Jabu Ndlovu Street,
Pietermaritzburg,
3201

A N DUPREE VILAKAZI INV PTY LTD
P O Box 651492,
Benmore,
Sandton,
2110

USANA PARK FARM CC
O Box 553,
owick,
290

ETERNAL FLAME INVESTMENTS 124 PROPRIETARY LIMITED
287 Lynnwood Road,
Menlo Park,
Gauteng,
0081

AFRIKAN FARMS AGRICULTURAL SUPPLIES PROPRIETARY LIMITED
P O Box 83,
Mooi River,
Kwazulu Natal,
3300

<p>ES PTY LTD River, al,</p>	<p>JANETSUE PROPERTY CC P O Box 645, Howick, 3290</p>	<p>STANLEY HEIGHTS HUNTING & SAFARIS PTY LTD P O Box 50714, Musgrave Road, 4062</p>	<p>MAKHOSINI VALLEY FARM CC P O Box 50714, Musgrave Road, 4062</p>	<p>FRIMAR BELEGGINGS CC Po Box 1328, Vryheid, Kwa-Zulu N 3100</p> <p>REGISTERED LETTER (with a domestic insurance option) ShareCall 0860 111 502 www.sapo.co.za RC 061 946 645 ZA CUSTOMER COPY 301028R</p>	<p>PROUD HERITAGE PROPERTIES 31 PTY LTD P O Box 832, Vryheid, 3100</p>
<p>BRIDLEY MANOR PROPERTIES PTY LTD P O Box 3, Thornville, 3760</p>	<p>NORMANDIEN FARMS PTY LTD R56, Cnr Umlaas And Richmond Roads, Thornville, Kwazulu-Natal, 3760</p>	<p>ORANDO ESTATES PTY LTD Diepfontein Farm, Kranskop, Kwazulu-Natal, 3238</p> <p>REGISTERED LETTER (with a domestic insurance option) RC 061 946 415 ZA A BOOK COPY</p>	<p>MONDI LIMITED P.O. Box 1551 Richards Bay 3900</p>	<p>Agric Outsources (Pty) Ltd P.O Box 208 Richmond 3780</p> <p>REGISTERED LETTER (with a domestic insurance option) RD 967 036 939 ZA A BOOK COPY</p>	<p>Broers Helpmekaar BPK P.O Box 263 Warmbad 0480</p>
<p>T & M SUGAR PTY LTD P O Box 54, Pietermaritzburg, 3200</p>	<p>ELCSA PROPERTY MANAGEMENT CO 5 Connaught Road, Scottsville, Kwazulu-Natal, 3201</p>	<p>THULELE EIENDOMME CC Posbus 1116, Pietermaritzburg, 3200</p>	<p>Burcon Props 52 (Pty) Ltd P.O Box 13774 Cascades 3202</p>	<p>Chaplain Manufacturing CC P.O Box 34 Ladysmith 3370</p>	<p>Church of England P.O Box 2180 Clareinch 7740</p>
<p>UMFULENI FARMS PTY LTD P O Box 3143, Pietermaritzburg, 3200</p>	<p>LYTHWOOD LODGE PTY LTD Po Box 2414, Cramerview, Gauteng, 2060</p>	<p>HONEYDEW PROPERTIES PTY LTD P O Box 456, Hilton, Kwa-Zulu Natal, 3245</p>	<p>Dave Harper P.O Box 261 Hillcrest 3650</p> <p>REGISTERED LETTER (with a domestic insurance option) ShareCall 0860 111 502 www.sapo.co.za RC 061 946 631 ZA CUSTOMER COPY 301028R</p>	<p>Lion Match (Pty) Ltd P.O Box 918 Durban 4000</p> <p>REGISTERED LETTER (with a domestic insurance option) RD 967 036 735 ZA A BOOK COPY</p>	<p>Lot 194 Marina Beach Pty Ltd P.O Box 19 Greytown 3250</p> <p>REGISTERED LETTER (with a domestic insurance option) ShareCall 0860 111 502 www.sapo.co.za RC 061 946 512 ZA A BOOK COPY</p>
<p>SHINCEL PTY LTD Off Silver Oceans, Northern Boundary, Port Of Richards Bay, Richards Bay, 3900</p> <p>REGISTERED LETTER (with a domestic insurance option) RC 061 946 574 ZA A BOOK COPY</p>	<p>SHELF MERCHANDISING CC P O Box 124, Sarnia, 3615</p> <p>REGISTERED LETTER (with a domestic insurance option) ShareCall 0860 111 502 www.sapo.co.za RC 061 946 591 ZA CUSTOMER COPY 301028R</p>	<p>BHANOYI PROPERTY HOLDINGS PTY LTD P O Box 11458, Queenswood, 0121</p>	<p>Mzolani Valley CC P.O Box 3236 Randburg 2125</p> <p>REGISTERED LETTER (with a domestic insurance option) ShareCall 0860 111 502 www.sapo.co.za RD 967 036 655 ZA CUSTOMER COPY 301028R</p>	<p>Ncethozo Trading Enterprise CC P.O Box 892 Greytown 3250</p> <p>REGISTERED LETTER (with a domestic insurance option) ShareCall 0860 111 502 www.sapo.co.za RC 061 946 659 ZA CUSTOMER COPY 301028R</p>	<p>S M HIRSCHOWITZ LIVESTOCK PTY LTD P.O Box 163 Wartburg 3233</p> <p>REGISTERED LETTER (with a domestic insurance option) ShareCall 0860 111 502 www.sapo.co.za RD 967 036 620 ZA CUSTOMER COPY 301028R</p>
<p>RIET VLEI TRADING STORE PTY LTD Barnwood, P O Riet Vlei. Natal, 3217</p> <p>REGISTERED LETTER (with a domestic insurance option) RC 061 946 614 ZA A BOOK COPY</p>	<p>INDEZI MARKETING CC P O Box 50, Hillcrest, 3650</p> <p>REGISTERED LETTER (with a domestic insurance option) ShareCall 0860 111 502 www.sapo.co.za RC 061 946 588 ZA CUSTOMER COPY 301028R</p>	<p>GLENROCK FARM CC The Farm Glenrock, Mooi River District, Kwazulu-Natal, 3300</p> <p>REGISTERED LETTER (with a domestic insurance option) ShareCall 0860 111 502 www.sapo.co.za RC 061 946 605 ZA CUSTOMER COPY 301028R</p>	<p>Salimba CC P.O Box 276 Pietermaritzburg 3200</p>	<p>Silver Flame Trading 512 CC P.O Box 34 Ladysmith 3370</p>	<p>P.O Box 927 Hillcrest 3650</p> <p>REGISTERED LETTER (with a domestic insurance option) RD 967 036 752 ZA A BOOK COPY</p>
<p>BRACKEN TIMBERS PTY LTD Bracken Farm, Dundee Road, Greytown, Kwazulu-Natal, 3250</p>	<p>SEYAMEKUYE TRADING ENTERPRISE CC P O Box 185, Wartburg, 3233</p> <p>REGISTERED LETTER (with a domestic insurance option) ShareCall 0860 111 502 www.sapo.co.za RD 967 037 642 ZA CUSTOMER COPY 301028R</p>	<p>FELICITAS FARMING CC P O Box 11, Postpoint, Die Wilgers, 0041</p>	<p>P.O Box 19967 Ashburton 3213</p> <p>REGISTERED LETTER (with a domestic insurance option) RD 967 036 514 ZA A BOOK COPY</p>	<p>P.O Box 20188 Ashburton 3213</p> <p>REGISTERED LETTER (with a domestic insurance option) RD 967 036 823 ZA A BOOK COPY</p>	<p>P.O Box 366 Weenan 3325</p> <p>REGISTERED LETTER (with a domestic insurance option) RD 967 036 505 ZA A BOOK COPY</p>
<p>PARADISE FALLS TIMBER PROPRIETARY LIMITED Private Bag X36, Sunninghill, 2157</p> <p>REGISTERED LETTER (with a domestic insurance option) ShareCall 0860 111 502 www.sapo.co.za RC 061 946 628 ZA CUSTOMER COPY 301028R</p>	<p>HENCETRADE 1096 CC P.O. Box 50, Nongoma, 3950</p>	<p>HOLLANDIA LANDGOED CC Posbus 1638, Vryheid, 3100</p> <p>REGISTERED LETTER (with a domestic insurance option) RD 967 036 995 ZA A BOOK COPY</p>	<p>P.O Box 3370 Ladysmith 3370</p>	<p>P.O Box 84 Weenan 3370</p> <p>REGISTERED LETTER (with a domestic insurance option) RD 967 036 528 ZA A BOOK COPY</p>	<p>P.O Box 459 Greytown 3250</p> <p>REGISTERED LETTER (with a domestic insurance option) RD 967 036 531 ZA A BOOK COPY</p>



Project Reference: 723.18034.00005 File Ref. Rhino_295 ER Eastern Cape_Notice of 30 day Review of SR

19 October 2015

ATTENTION: LAND OWNER/STAKEHOLDER/I&AP

Dear Sir/Madam

**NOTICE OF 30-DAY REVIEW OF SCOPING REPORT FOR ENVIRONMENTAL AUTHORISATION:
Application for an Exploration Right for Petroleum on Various Farms in the Magisterial Districts of
Matatiele and Mount Fletcher, Eastern Cape (12/3/295 ER)**

The above-mentioned project refers. I would like to inform you, as Interested and Affected Party (I&AP) on the project, that SLR Consulting (South Africa) (Pty) Ltd has produced a draft Scoping Report on behalf of Rhino Oil and Gas Exploration South Africa (Pty) Ltd.

The purpose of the Scoping Report is to identify the potential environmental impacts associated with the exploration project and to present the 'plan of study' for the EIA. The Scoping Report is being made available to I&APs to provide opportunity for review and comment on any aspect of the proposed project and the findings of the scoping process. Copies of the Scoping Report have been placed at:

Name and Location	Physical Address
Matatiele Public Library	102 Main Street, Matatiele, 4730
Reception at the Matatiele Local Municipality	Registry Office, 102 Main Street, Matatiele, 4710
Maclear Public Library	1 Seller Street, Maclear, 5480

In addition, the Scoping Report is also available to download from the SLR ftp site. To do so, please visit: <ftp.slrconsulting.co.za>.
Username: 1013151013
Password: vwhuigfpi23r2
Navigate to the Folder called: Rhino Oil and Gas Scoping Report: Eastern Cape

An electronic copy of the Scoping Report can be emailed or provided on CD on request. The executive summary of the report is also available in Xhosa and Sotho and can be emailed, faxed or posted to you.

The Scoping Report will be available from 21 October 2015 until 20 November 2015 (**30 calendar days**). Comments received will be used to update the Scoping Report and copies of all the

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- P.O Box 352
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REGISTERED LETTER
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RD 967 036 576 ZA
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- P.O Box 1448
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REGISTERED LETTER
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A BOOK COPY
- P.O Box 10
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REGISTERED LETTER
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RD 967 036 545 ZA
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- P.O Box 8
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(with a domestic insurance option)
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4360
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(with a domestic insurance option)
RD 967 036 806 ZA
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Howick
3290
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(with a domestic insurance option)
RD 967 037 041 ZA
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- Postnetsuite 71
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RC 061 946 367 ZA
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REGISTERED LETTER
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Richmond
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REGISTERED LETTER
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SLR Consulting (South Africa) (Proprietary) Limited

www.slrconsulting.com

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Directors: K Pieterse, B Stobart


comments will be included with the Scoping Report when submitted to the Petroleum Agency South Africa (PASA). Comments on the Scoping Report should be submitted to:

Matthew Hemming (Project Manager) and/or Stella Moeketse (Public Participation) by:
Email: mhemming@slrconsulting.com and/or smoeketse@slrconsulting.com
Tel: 011 467 0945 Fax: 011 467 0975
Post: PO Box 1596, Cramerview, 2060

If you would like to comment on the document or have any queries please ensure that these reach us on or before the deadline. Note that the scoping & Environmental Impact Assessment process is regulated by the EIA Regulations (GNR 982, 8 December 2014) and the Scoping Report has to be submitted to PASA by no later than 25 November 2015.

Please also pass this notice onto any other persons whom you know reside in or near to the exploration right application area. We welcome all comment or questions.

Yours faithfully



Matthew Hemming

MSc (Conservation Biology)

Environmental Assessment Practitioner