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EL 5288

MARLA

ANNUAL REPORT AND FINAL REPORT TO LICENCE EXPIRY/SURRENDER, FOR THE PERIOD 25/6/2013 TO 24/6/2015

Submitted by Woomera Exploration Ltd 2015

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Government of South Australia Department of State Development

SCHEDULE A



DATE GRANTED: 25-Jun-2013 DATE EXPIRED: 24-Jun-2014 EL NO: 5288



Annual Technical Report

for

Exploration Licence 5288 - Marla Project

25 June 2013 – 24 June 2014

Tenement Holder – Norsa Exploration Pty Ltd

Map Sheets: 1:250,000 - SG53-14 (Wintinna), SG5313 (Everard) 1:100,000 - 5643 (Marla), 5543 (Wantapella), 5642 (Ouldburra)

> Author: Don Triggs Date: 29 September 2014

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Table 1 – Norsa Tenement Holding	
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This is the first Annual Technical Report for EL 5288. It is submitted by Woomera Exploration Limited (WEX) on behalf of its wholly owned subsidiary, Norsa Exploration Pty Ltd (Norsa).

Norsa Exploration Pty Ltd (Norsa) was registered in March 2012 with the explicit aim of exploring for minerals in the Gawler Craton and Musgrave Block. Norsa applied for nine tenements in May 2012. Seven of these were granted in June 2013 and two remain as applications pending access negotiations with the Maralinga Tjarutja. (Table 1)

Tenement ID	Area	Committed	Grant Date
	(Sq. Kms)	Expenditure	
		Yr 1	
5286	446	75,000	25-Jun-13
5287	595	90,000	25-Jun-13
5288	937	120,000	25-Jun-13
5289	994	125,000	25-Jun-13
5290	324	60,000	25-Jun-13
5291	438	70,000	25-Jun-13
5292	906	120,000	25-Jun-13
ELA 2012/00119	929		
ELA 2012/00120	848		
Totals	4640	\$660,000	

Table 1 – Norsa Tenement Holding

During the first 12 months of holding these tenements the Company has conducted a desktop review of previous exploration activities and Government reports for the areas covered by these tenements. As part of this process it has developed a comprehensive in-house spatial database to assist in identifying and ranking exploration targets on these tenements and planning in-field exploration work.

In June 2014, all of the issued capital in Norsa was purchased by Woomera Exploration Limited (WEX) with the intention that the WEX and Norsa projects be merged.

The company's focus in the Gawler Craton area is:

- Olympic Dam style Iron Oxide Copper Gold (IOCG)
- Mississippi Valley style base metal mineralisation in the Observatory Hill beds of the Officer
 Basin
- The Challenger style gold deposits in the Archaean-Proterozoic Mulgathing Complex

and in the Musgrave Block the focus is:

- Magmatic Ni-Cu-PGE deposits associated with mafic-ultramafic rocks of the Proterozoic Giles Complex
- silver-copper-zinc and rare earth mineralisation that has recently been noted by DMITRE within granites of the Pitjantjatjara Supersuite

The combined project areas are shown in Figure 1.



Figure 1 – WEX and Norsa combined project areas

Location and Access

EL 5288 lies predominantly within the Marla 1:100,000 sheet on the north western margin of the Gawler Craton in the area known as the Nawa Domain, (Figure 2 and Figure 3).

Access is gained via the Stuart Highway which runs through the centre of the tenement.



Figure 2 – Marla Project Location



Figure 3 – Marla Project location with TMI

Previous Exploration

Exploration in the tenement area has been spasmodic and has targeted diverse commodities including oil, coal, evaporites, base metals and IOCG style deposits.

As shown in Figure 4 there are over 30 drill holes on file that lie within the Marla tenement. DMITRE drilled 930F UH11 & 12 in 1993 to 60 ms and 90 ms respectively, intersecting the Cambrian Observatory Hill beds of the Officer Basin at 58 and 30 ms respectively.

DMITRE drilled Marla 1 in 1974 as a petroleum well to a depth of 106 metres. It was terminated in the early Cambrian Oldburra formation without encountering the more recent Observatory Hill beds. In 1979 DMITRE drilled two more petroleum holes nearby. Marla 1a and 1b were terminated in Observatory Hill beds depths at depths of 215 ms and 379 ms respectively. Also in 1979, DMITRE drilled Bilkaoora 1 to 479 ms in the Northern part of the tenement with the objective of coring a complete stratigraphic section of the Observatory Hill beds. This was a technical success with both oil and "ubiquitous" sulphides being recorded in the Observatory Hill beds.

Comalco conducted an extensive Exploration program in the region from 1980 to 1986 targeting oil, evaporates and base metals. This program included regional and ground geophysical surveys plus a drilling program that targeted the siltstones of Observatory Hill beds. The Comalco holes were analysed for Cu, Pb and Zn to assess potential for Mississippi Valley Pb-Zn development in the carbonate units. Prominent Cu-Pb-Zn anomalies were recorded in the upper and lower Observatory Hill beds and further interpretation of the magnetic data revealed promising anomalies but were not followed up. These holes were suspended prior to reaching the basement rocks of the Gawler Craton.

In 2008 Geoscience Australia, in collaboration with DMITRE, Auscope and the Northern Territory Geological Survey, completed a deep seismic line (GOMA traverse) that spanned parts of the southern Amadeus Basin, the Musgrave Province, the eastern Officer Basin and the Gawler Craton. This traverse followed the Stuart Highway which runs through the Marla Tenement. The seismic data provides valuable information on the depth to basement and the overlying sediments of the Officer Basin in the tenement area.

Subsequently DMITRE and others embarked on a seven hole drilling program to collect diamond core samples of basement rocks along the GOMA traverse. The program was reduced to four holes and one of these, GOMA DH3, was in the Norsa tenement area on the Stuart Highway five kilometres south of Marla (Figure 4). Unfortunately drilling of this hole was suspended at 169 metres after encountering a very hard quartzite unit preventing basement penetration and rendering results inconclusive.

GOMA DH2, about 14 kms north of the Marla tenement encountered basement at 52 ms while GOMA DH 1, some 200 Kms south near Coober Pedy encountered basement at 305 ms.



Figure 4 – Marla drilling

Proposed Exploration

WEX/Norsa's plan for this tenement is to identify areas where the Observatory Hill beds are close to the surface and in these areas trial ground EM and IP methods for delineating sulphide accumulations in these areas. The electrical results will be tested with RC drilling.

Digital data sets comprising magnetic, gravity, radiometric and geochemical information have already been collected from archived data and integrated into a Graphical Information System. Historical exploration reports have also been collected and scrutinised.



Final Technical Report

for

Exploration Licence 5288 - Marla Project

25 June 2014 – 24 June 2015

Tenement Holder – Norsa Exploration Pty Ltd

Map Sheets: 1:250,000 - SG53-14 (Wintinna), SG5313 (Everard) 1:100,000 - 5643 (Marla), 5543 (Wantapella), 5642 (Ouldburra)

> Author: Don Triggs Date: 7 September 2015

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Table 1 – Norsa Tenement Holding	
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Summary

This is the Final Technical Report for EL 5288. It is submitted by Woomera Exploration Limited (WEX) on behalf of its wholly owned subsidiary, Norsa Exploration Pty Ltd (Norsa).

The tenement has been spasmodically explored for a diverse range of commodities including oil, coal, evaporites, base metals and IOCG style deposits. Although prospective, WEX has not been able to attract investment for this tenement so it was surrendered on 4 June 2015.

Background

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