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No. 4769

RESULTS OF A CHEMICAL ANALYSIS FOR POSSIBLE BROMINE PRESENT IN HALITE SAMPLES TAKEN FROM THE DRILL CORE AND CUTTINGS OF SADME WILKINSON 1

Submitted by
Poseidon Ltd
1982

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Government of South Australia
Primary Industries and Resources SA

CONTENTS ENVELOPE 4769

TENEMENT: Not Related

TENEMENT HOLDER: Poseidon Ltd.

REPORT: Tallaringa Report

(Pgs. 3-8)

PLANS: NONE

Poseidon Limited

Incorporated in South Australia

106 Hutt Street,
Adelaide, 5000,
South Australia.
Phone (08) 223 7438Telegraphic and
Cable Address
Poseidon, Adelaide
South Australia.

Telex AA82486

hjd.

9th September, 1982.

Mr. I. G. Faulks,
Department of Mines & Energy,
P.O. Box 151,
EASTWOOD, S.A. 5063.

Your Reference: DME.160/82 IF:FdeA

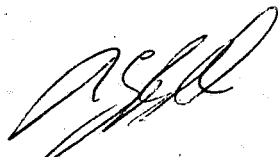
Dear Mr. Faulks,

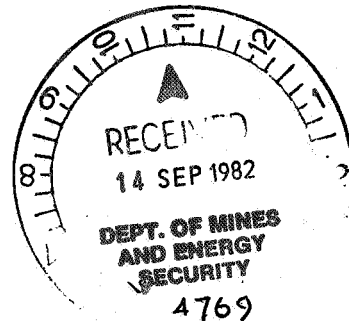
I refer to our Manager's letter to you dated 10th August, 1982 and wish to thank you, on behalf of the Company, for your consideration in extending the term of offer of an Exploration Licence at Wilkinson Lakes and for allowing us access to the core and cuttings from Wilkinson No. 1.

Now that we have completed our chemical analyses of the core and cuttings, we advise that we do not wish to accept the offer of an Exploration Licence at Wilkinson Lakes.

For your records we enclose a summary log giving a diagrammatical representation of the results of our analyses and a copy of the assay data.

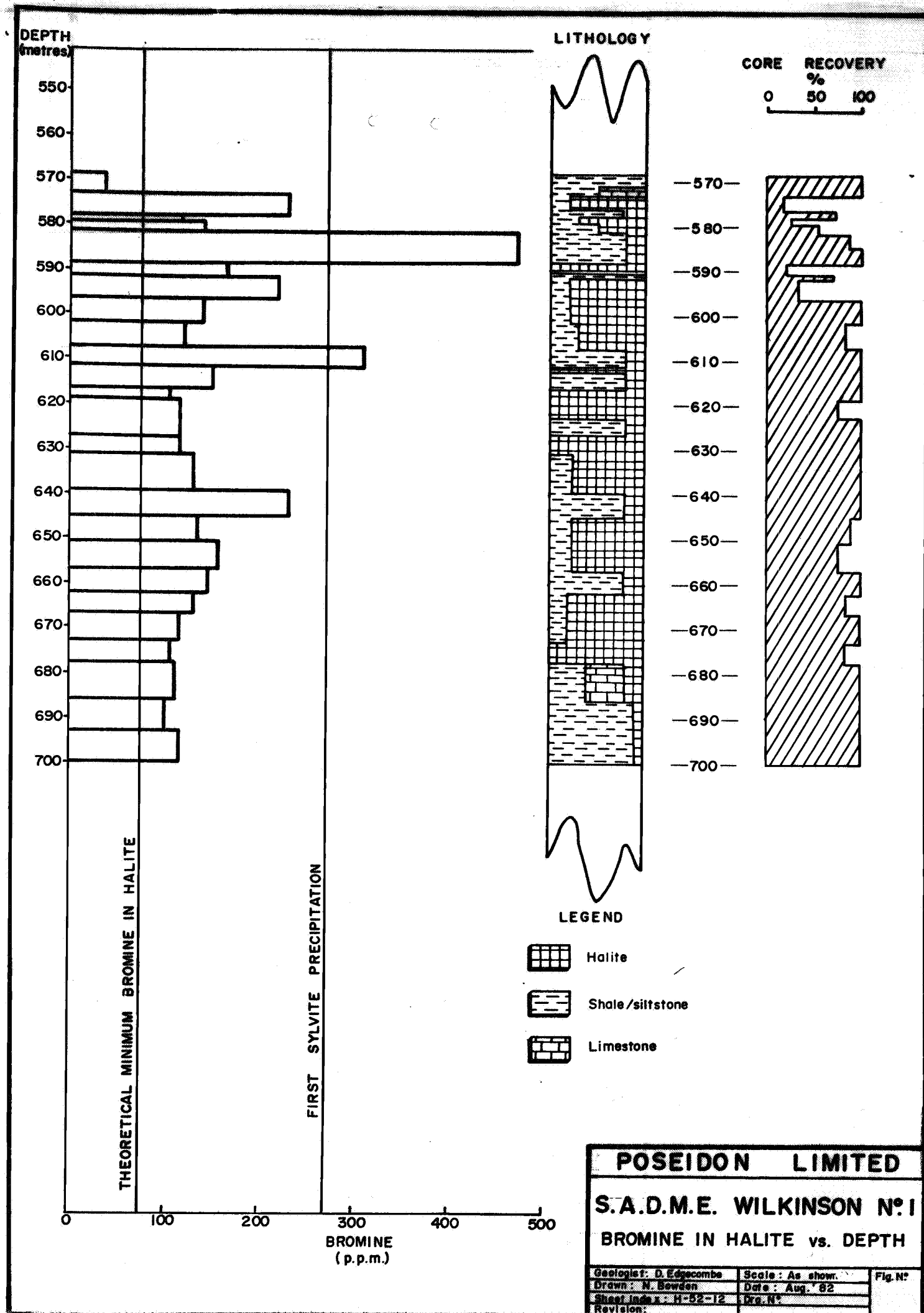
Yours sincerely,
POSEIDON LIMITED

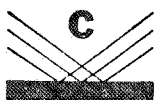

R. G. BLUCK,
Chief Geologist.



14 SEP 1982

Noted 997.14.9.82




COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

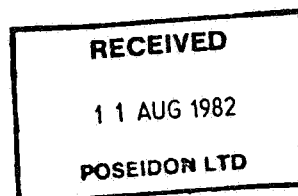

NATA REGISTERED No. 1526

OUR REF.:

YOUR REF.:

Mr. R. Bluck,
Poseidon Limited,
106 Hutt Street,
ADELAIDE SA 5000.

Action	RGB
Information	
File	A82/2 Tullaringa



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Queensland
Preparation Laboratory
172 LAVARACK AVE.,
EAGLE FARM,
QUEENSLAND. 4007
TEL.: (07) 268 4748

11.8.82

Dear Russell,

Enclosed are the results for samples delivered to our laboratory on the 28th July, 1982.

As discussed we carried out a detailed study of the procedure before analysing the submitted samples.

Pacific Salt Pty Ltd are the only supplier of Commercial Rock Salt in Adelaide so we used this material together with "ANALAR" A.R. Grade NaCl for our investigations.

And now to our findings.

1. Br was not lost during the grinding process. Grinding times of 1-3 minutes were tested with no loss of Br.
2. Each pressed disc was analysed several times for Br by XPF. This was done to test whether Br was lost after prolonged exposure to X-Rays. No loss was encountered.
3. Rock Salt was purified i.e. recrystallized by the procedure provided with no loss of Br i.e. the Br recovery in the process was close to 100%.
4. A.R. Grade NaCl had 48ppm Br and after purification still contained 26ppm Br. This amount had to be taken into account when the standards were prepared.
5. Standards were made using purified AR NaCl and AR NaBr. Values for the standards ranged between 0-1%.

6. The results for the 25 samples are given on page 2 of the report.

Column 1

Br content in the sample after recrystallization.

Column 2

Where there was sufficient sample the analysis was done in duplicate.

Column 3

Br content in original sample.

Column 4

Weight of sample taken for the analysis.

Column 5

Weight of sample after filtration and recrystallisation ie. wt. of halite etc.

I trust this report contains all the relevant information you require.

Yours sincerely,



Harry Fishman
Managing Director

ANALYTICAL REPORT

JOB COM821434

Results in ppm

SAMPLE	Br
Rock Salt - 1 min. grind	186
Rock Salt - 2 min. grind	189
Rock Salt - 3 min. grind	190
Rock Salt - Recrystallized	180
A.R. Grade NaCl	48
Purified A.R. Grade NaCl	26

Method of Analysis: XRF1



ANALYTICAL REPORT

JOB COM821434

Results in ppm

SAMPLE	1 Br	2 Br	3 Br	4 Wt(g)	5 Wt(g)
1	36	-	8	30	1.4
2	230	-	34	30	3.6
3	115	-	I.S	10	4.8
4	140	-	I.S	11	7.6
5	470	-	75	30	4.3
6	160	165	60	30	11.1
7	220	-	I.S	30	5.7
8	140	145	90	30	17.4
9	120	125	80	30	18.1
10	310	-	75	30	6.7
11	150	150	70	30	12.3
12	105	105	105	30	25.7
13	115	120	70	30	17.1
14	115	110	95	30	23.1
15	130	130	75	30	15.6
16	230	-	50	30	5.3
17	135	130	80	30	16.1
18	155	160	75	30	11.7
19	145	130	70	30	12.9
20	130	120	65	30	13.7
21	115	110	65	30	14.2
22	105	105	80	30	19.7
23	110	-	28	30	6.9
24	100	-	22	30	5.4
25	115	-	24	30	5.0

Method of Analysis: XRF1