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Airborne Spectrometer Survey No 2 , 1987

Bertoil Holding Corporation A.G. - PEL 36

Lake Torrens - South Australia

Enquiries: Customer Services Branch
Minerals and Energy Resources
7th Floor
101 Grenfell Street, Adelaide 5000

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Government of South Australia
Primary Industries and Resources SA

ENVELOPE 6900

TENEMENT: **PEL 36 Lake Torrens**

TENEMENT HOLDER:Bertoil Holding Corporation A.G.

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RECON

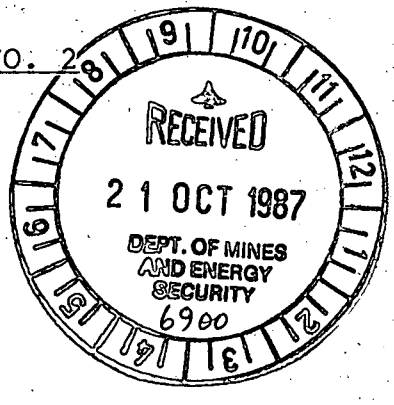
EXPLORATION [AUSTRALIA] P/L

BERTOIL HOLDING CORPORATION A.G.

PEL 36, LAKE TORRENS

AIRBORNE SPECTROMETER SURVEY NO. 2

26 JUNE - 2 JULY, 1987



RECON EXPLORATION AUST. PTY LTD
ADELAIDE AIRPORT,
ADELAIDE S.A. 500
PHONE: (08) 352 6944

07 JULY 1987

DSBERTOIL1.00

07 July, 1987

Bertoil Holdings A.G.
15506 Wright Bros Drive,
DALLAS TEXAS 75234

Attn: Mr Joaquin de Navasques (Director)

Dear Mr de Navasques,

Ref: Airborne Spectrometer Survey, PEL 36, Lake Torrens

We have completed a second five day spectrometer survey in PEL 36, South Australia. The area of 1,900 square kilometres was surveyed over a period of 7 days (26 June to 2 July, 1987).

This letter reports the exciting results of 11 hydrocarbon microseepage anomalies discovered over the second survey period. Further exploration is warranted in these very encouraging target areas.

The Reservoir Gas Mapper (Spectrometer)

Since 1976, the airborne spectrometer, or Reservoir Gas Mapper, has been used to regionally define areas of hydrocarbon gas microseepage emanating from subsurface hydrocarbon accumulations. (Over the past 10 years hundreds of producing oil and gas fields have been examined with the Reservoir Gas Mapper around the world. All of these fields have displayed a clear signature of hydrocarbon microseepage on the airborne spectrometer.) Depending on the terrain between 80 and 160 square kilometres per day can be covered using the helicopter mounted sensor.

The Reservoir Gas Mapper is an electronic installation with a rotating beacon and incorporated antenna. Pulses of specific frequency energy are emitted by the beacon in a horizontal fan shaped beam. Any hydrocarbon gas molecules hit by the energy beam are excited to a higher state of energy. Between pulses the gas molecules re-radiate their characteristic energy as they de-energise to their original ground state. The characteristic energy re-radiated from the molecules is detected, amplified and displayed on a cathode ray screen in the helicopter. Large scale maps are used for navigation and plotting of the microseepage anomalies by the spectrometer operator. Sensitivity is so great that even a few parts per million hydrocarbon gases can readily

be detected and recorded. Background seepage over the sedimentary basin is screened out.

The attached map shows Minor anomalies coloured light yellow and Moderate anomalies coloured orange. These anomalies approximate to an increase over background seepage in the region, of one, and two times, background respectively. Significant anomalies approximate to three times, or greater, background hydrocarbon microseepage.

PEL 36, Lake Torrens Survey

The airborne reconnaissance survey was conducted with the spectrometer mounted to a Lloyd Bell Jet Ranger III 206B helicopter. Survey operations commenced from Wilpena Chalet on Friday 26 June. The helicopter and pilot were mobilised from Adelaide, S.A. for the survey period.

Weather conditions were fine and cool with moderate humidity. Barometric pressures throughout the survey period were steady between 1011 - 1014 hPa. No rain fell during the period.

Survey patterns were flown generally in an east-west direction, until an anomaly was detected by the spectrometer. Infill flying then defined the shape and strength of the microseepage. Heights were flown less than 10 metres so that the sensor could detect the higher gas concentrations near ground level before dispersion to the atmosphere. In most areas there were few tall trees or dense scrub which made for good flying conditions.

In all areas safety and consideration of stock, dwellings and people were of paramount importance. Any dwellings or stock were passed at safe height and distance to cause minimum disturbance.

Once anomalous hydrocarbon gas microseepages were identified, a more detailed evaluation was conducted by flying closer grid patterns and hovering the helicopter at various locations. By altering the detection characteristics of the spectrometer, the experienced operator was able to map increasing concentrations of gas microseepage on a semiquantitative basis. These areas of microseepage were plotted on large scale maps in their concentration zones. Minor and Moderate anomalous zones approximate to increases over background of one, and two times hydrocarbon background respectively. Significant anomalies approximate to three times, or greater, background hydrocarbon microseepage.

Results (See Map)

Eleven (11) anomalous microseepage areas were discovered by the Reservoir Gas Mapper (spectrometer). Four (4) anomalies are of Moderate intensity, approximately two times background hydrocarbons. These Moderate anomalies compare most favourably with other low gas oil fields we have surveyed around Australia e.g. Rough Range, Mt. Horner and Kenmore.

One anomaly was of significant intensity (an increase of three times background hydrocarbon microseepage.)

All anomalies found were discrete and appeared associated with the dominant faulting and lineaments.

To quantify the relative importance of these discovery anomalies needs accurate ground geochemistry.

Interstitial Gas Sampling Survey

It is recommended that ground geochemistry be used to validate and quantify these discovery anomalies. Recon Exploration can also collect ground geochemistry samples across seismically defined structures to assess any hydrocarbon microseepage.

A base of operations and portable laboratory can be established at Leigh Creek township. Interstitial soil gas samples will be collected at 200 metre intervals in grids and profiles across any areas you wish to evaluate. The samples will be analysed using our hydrogen-flame ionisation gas chromatograph and field support computer, integrator and plotter. Results of these analyses will be presented on profile graphs of methane, ethane and propane, along with other analytical data tables for each sample. These data will be interpreted by comparison to the known oil field microseepage, and our world-wide geochemical data base.

We look forward to further assisting Bertoil Holding Corporation A.G.; we hope these findings will aid your evaluation of the survey area.

Yours faithfully,

David J. Strachan

DAVID J. STRACHAN
Manager

Ed Hodges

ED HODGES
Operator

PLATE 1: Refuelling at Wilpena Pound Chalet - Base of Operations

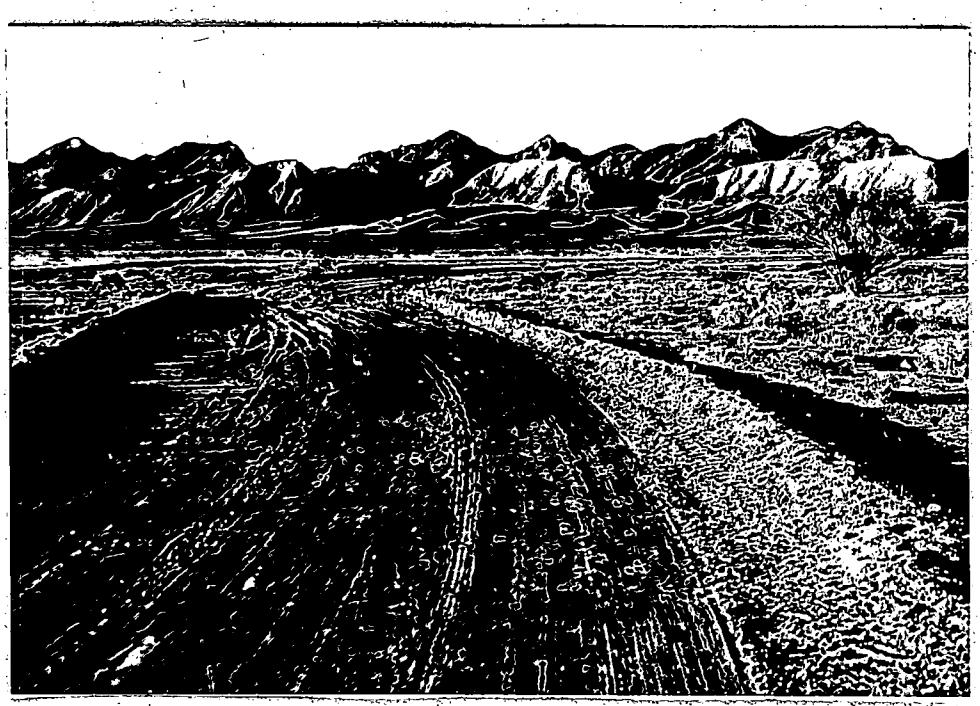


PLATE 2: In the survey area near Parachilna township, looking East.

INDIGO OIL PTY LTD

Spectrometer Surveys

RECON EXPLORATION (AUSTRALIA) PTY. LTD.
ADELAIDE AIRPORT
ADELAIDE, SO. AUSTRALIA 5000

P.E.L. 36, S. Australia

1:250,000

STRACHAN 6/7/87

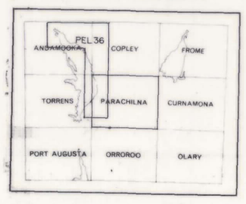
6900 – 1

SCALE

MILES 2 1 0 2 4 6 8 10 12 14 16 18 20 MILES

KILOMETRES 5 0 5 10 15 20 25 KILOMETRES

INDEX TO ADJOINING SHEETS



AIRBORNE SPECTROMETER SURVEYS

SURVEY #1
10-14 NOV 1986
APPROX AREA 1910 km²

SURVEY #2
25 JUNE – 2 JULY 1987
APPROX AREA 1910 km²

0 MINOR ANOMALY

MODERATE ANOMALY

SIGNIFICANT ANOMALY

HIGHWAY			
MAIN ROAD			
SECONDARY ROAD			
TRACK			
RAILWAY			
DISUSED RAILWAY			
BOUNDARY FENCE			
VERMIN PROOF FENCE			
EPHEMERAL STREAM			
CLAYPANS			
TRIANGULATION STATIONS			
HORIZONTAL CONTROL			△
IDENTIFIED POINT			▲
WATER FEATURES			
BORE			•
SPRING			• Z
WATERHOLE			• W.H.
WELL			• W
EARTH TANK OR DAM			•
STRATIGRAPHIC BORE			•
MINE			⚒
MINERAL OCCURRENCE			⚒ Cu
COPPER	Cu	MANGANESE	Mn
LEAD	Pb	IRON	Fe
COBALT	Co	BARYTES	Ba
NICKEL	Ni	ASBESTOS	Asb

HYDROCARBON MICROSEEPAGE

GEOCHEMICAL SURVEY

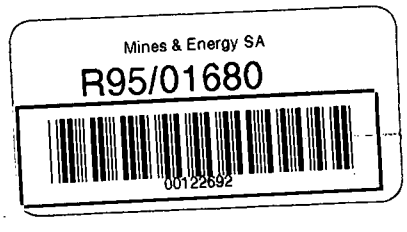
PEL 36

South Australia

to

Bertoil Holding Corporation A.G.
15506 Wright Bros. Drive
Dallas, Texas 75234

16 September 1987



RECON
EXPLORATION [AUSTRALIA] P/L

September 16, 1987

BERTOIL HOLDING CORPORATION A.G.
15506 Wright Bros. Drive
Dallas, Texas 75234

ATT: MR. JOAQUIN de NAVASQUES (Director)

Dear Mr. de Navasques:

REF: HYDROCARBON GEOCHEMICAL SURVEY, PEL 36, SOUTH AUSTRALIA

This letter reports the result of our recently completed ground geochemical sampling survey in PEL 36, South Australia. The purpose of this survey was to identify and quantify the hydrocarbon gas microseepage occurring over several airborne geochemical anomalies RECON EXPLORATION had previously discovered in the area (Two reports, July, 1987). Interstitial gas samples were collected along parts of several anomalies. Because there were no producing oil wells in the survey area, it was not possible to compare the measured microseepage to a "Benchmark" for the area. However, when compared to RECON's world-wide experience and data-base, several of these anomalies exhibit favourable hydrocarbon gas microseepage, worthy of further detailed exploration.

GROUND HYDROCARBON SAMPLING SURVEY

Field Conditions

RECON EXPLORATION (AUST) PTY LTD mobilised four staff from Adelaide: Mr. David Strachan (Manager), Mr. Ray Burson (Chief Chemist) Mr. Dixon Bunt (Chief Sampler), and Mr. Philip Davies (Field Sampler). The laboratory and base of operations was Leigh Creek from 12-19 August, 1987.

The sampling areas were around the immediate area north of Lyndhurst Township and around Nilpena Homestead. Both areas exhibit airborne spectrometer anomalies of hydrocarbon microseepage. These anomalies were the best targets of the total area analysed by Landsat Analysis (Saunders, 1986).

The sampling area consists of undulating plain of claypans and gibber with some hills. Native shrubland and open woodland is dominated by acacia and eucalypt, with shrubs and grasses. It has a hot, dry desert climate with cool winters. The mean annual rainfall is an unreliable 200 mm. Coal mining, meat and wool are the main sources of income. Tourism is important in the nearby Flinders Ranges.

Temperate clear days with clear skies made work comfortable. No rain fell during the survey. Barometric pressures were moderately stable around 1020 hPa.

Adelaide Airport, South Australia 5000
Telephone: (08) 352 6944 Telex: AA 89619

Sampling conditions were ideal, and averaged 60 samples per day. Soils sampled were moderate to highly compact sands or clayey sands with occcasional rock or gravel.

Sampling and Analysis

A total of 386 interstitial gas samples were collected by our field crew along profiles in these structural areas and analysed in our Field Geochemical Laboratory located in Leigh Creek near the sampling sites. The samples were collected at each site using RECON EXPLORATION'S patented unique gas sampling probes. This stainless steel probe was hammered into the soil and the interstitial gas sample taken by syringe through a rubber septum seal at the top of the probe. The samples were spaced at 200-metre intervals along lines through the anomalies and then transported to our field laboratory for same-day analysis.

In the laboratory we used a hydrogen-flame ionization gas chromatograph for analysis, and associated integrator and computer for collating the analytical data. By having this instrumentation near the sample sites, it was possible to perform preliminary evaluations of the data and provide more efficient quality control of all operations.

Results and Interpretation

Results

The results of these analyses are presented on the attached quantitative profile graphs and contrast-to-background graphs of methane, ethane and propane for the profile lines. Chromatographic analysis data for each sample are also included along with several summations and ratios that are helpful in interpreting the results.

Interpretation

These summations and ratios have the following applications to interpretations of the geochemical analytical data:

Sum C1-C4: This is the sum of all the hydrocarbons measured from methane through normal-butane.

Sum C2-C4: This is the sum of the petroliferous hydrocarbons (excluding methane). This summation is very useful for evaluating the petroleum potential of an area based on these components concentrations in the soil gases. It excludes methane, which may have a biogenic origin.

Ethane/Ethene and Propane/Propene Ratios: These are the alkane/alkene ratios sometimes useful in identifying fracture related (or fault) microseepage. The normal values are usually in the range of 1-2. An unusual sample with ratios in the range of 3-5 usually indicates seepage up fractures or joints above the reservoir.

Ethane Ratio The ratio of methane to ethane (methane/ethane). Values near 10 indicate a more liquid petroleum source, whereas values in the 20-30 range are related to a dry gas source.

Propane Ratio The propane to methane ratio (propane x 1000/methane). Values in the range >10 are more liquid prone, where as values in the range <10 are more gas prone.

% Methane The percent methane in the total hydrocarbon gas. A value >95% indicates a dry gas source.

% Wetness The percent of the sum of C2-C4 (ethane through butanes) in the sample. This and the % Methane total 100%. A value >10% indicates a liquid character to the gas source.

The interpretation of the attached profiles is relativey straightforward, that is, the most concentrated amounts of hydrocarbon gases were collected and measured over the areas where the petroleum source potential is the greatest. Statistical evaluation of the hydrocarbon gas sample data to determine the contrast-to-background of these primary hydrocarbon gases supports our interpretations. Each sample line that was ranked from Minor to Moderate and Significant has microseepage exceeding background levels.

The areas were graded as Significant, Moderate, and Minor "reservoir-type" microseepage. These represent an increase over background hydrocarbon gas microseepage of approximately four-, two-, and one-times, respectively. This type of microseepage appears as anomalous over several adjacent samples. "Fault-type" microseepage was clearly evident in several of the areas evaluated. These appear as narrow spikes on the profile graph.

We believe these anomalous hydrocarbon microseepage patterns define the areas of primary interest for further petroleum exploration. With the aid of these quantitative hydrocarbon microseepage analyses, a thorough evaluation of each prospect identified is suggested.

Profiles from the areas that were sampled (see map) during this survey are interpreted as follows:

DEADMAN's CREEK

1. Line-A

The first half of this profile exhibits background to minor hydrocarbon gas microseepage. Moderate microseepage is exhibited at points 20-21 and significant microseepage between points 29-37. Microseepage is again background to minor until points 72-74, where moderate microseepage is again exhibited. From points 82-85, significant microseepage is exhibited.

2. Line-B
This profile exhibits moderate to significant hydrocarbon gas microseepage from points 5-10 and 25-29.

3. Line-C
Moderate microseepage is exhibited between points 2-16 with a large amount of methane present at point 4, which appears to be leakage up a fault or fracture.

4. Line-D
This profile exhibits moderate microseepage between points 9-13.

5. Line-E
This profile exhibits a moderate gassey (high methane) microseepage.

6. Line-F
The microseepage along this profile is minor to moderate with the highest values measured near the centre.

DEADMAN's CREEK SOUTH

Moderate to significant gaseous (high methane) hydrocarbon gas microseepage is exhibited between points 16-18.

NILPENA RAIL SIDING ANOMALY

Minor microseepage is exhibited across this anomaly.

MT. MICHAELS ANOMALY

Minor microseepage is exhibited along this short line.

PADLOCK DAM ANOMALY

1. Line-A
Significant hydrocarbon gas microseepage is exhibited between points 3-6, falling to background microseepage for the remainder of this profile.

2. Line-B
Moderate microseepage is exhibited along this profile at points 6 and 11-13. The gases present from 11-13 are possible fault-related.

3. Line-C
Minor to background microseepage is exhibited along this profile.

4. Line-D
Minor microseepage was measured across this anomaly, possible fault-related at points 4, 8 and 12.

WHITE CLIFF ANOMALY

Minor hydrocarbon gas microseepage is exhibited across this anomaly.

LYNDHURST NORTH ANOMALY

Minor hydrocarbon gas microseepage is exhibited that is possibly fault-related at point 2.

SUMMARY

Interstitial hydrocarbon gas samples were collected and analysed along profiles from many of the previously discovered microseepage anomalies mapped in PEL 36 in South Australia. Parts of these airborne anomalies are interpreted as exhibiting hydrocarbon gas microseepage. Our interpretation is derived by evaluating the amounts of hydrocarbon gas microseepage measured in past surveys of known oil and gas fields through Australia. In particular, RECON EXPLORATION has made comparisons with past surveys over water-drive oil reservoirs, i.e. low gas drive. These oil fields include Mt. Horner (W. Aust.), Rough Range (W. Aust.), Merrimelia (S. Aust.), and Kenmore (Qld.). In our opinion, the moderate to significant hydrocarbon gas microseepage prospects warrant further detailed evaluation.

It has been a pleasure conducting this survey on your behalf, especially with such encouraging results. We hope these findings will aid your evaluation of Petroleum Exploration Licence No 36. If you should have any questions with regard to this report, or the survey method, please do not hesitate to call.

We appreciate the opportunity to perform this exciting work for BERTOIL HOLDING CORPORATION A.G. and look forward to the next opportunity to serve your group.

Yours faithfully,

RECON EXPLORATION (AUSTRALIA) PTY. LTD.

David Strachan
Manager

Ray Burson
Vice President,
Geochemical Operations
RECON EXPLORATION INC.

Enclosures

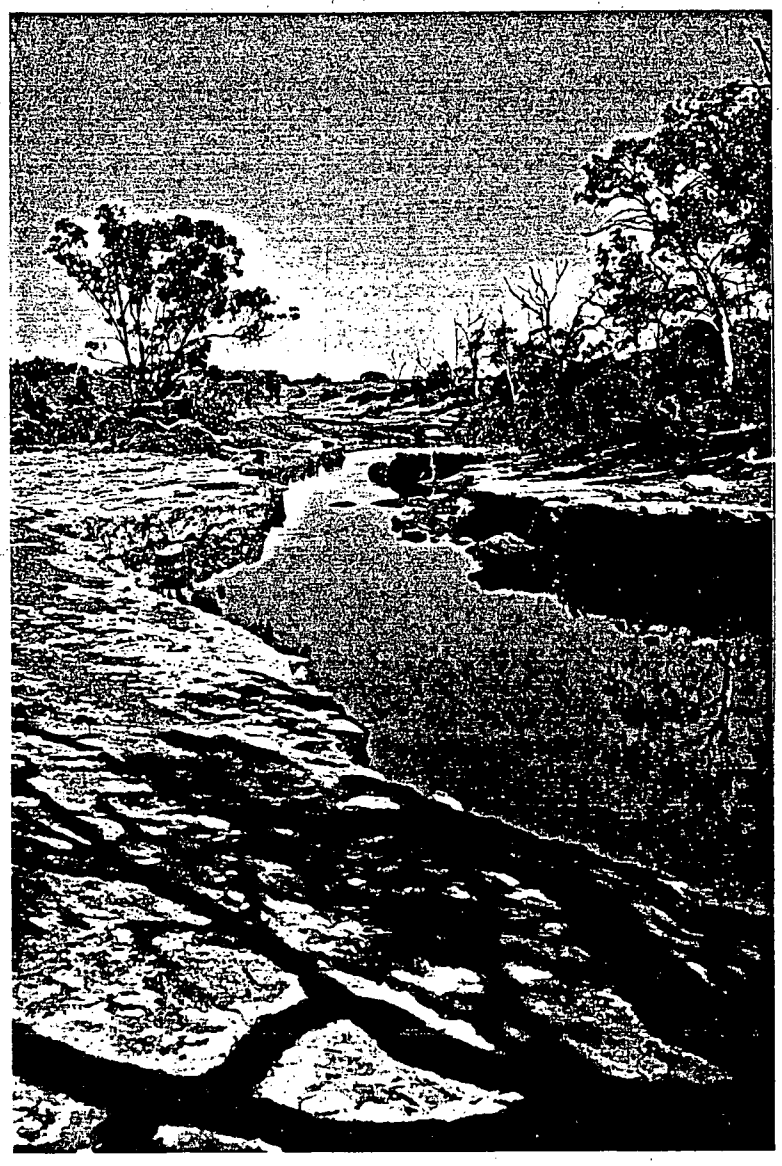


PLATE 1:

DEADMAN's CREEK NEAR A GOOD MICROSEEPAGE ANOMALY.

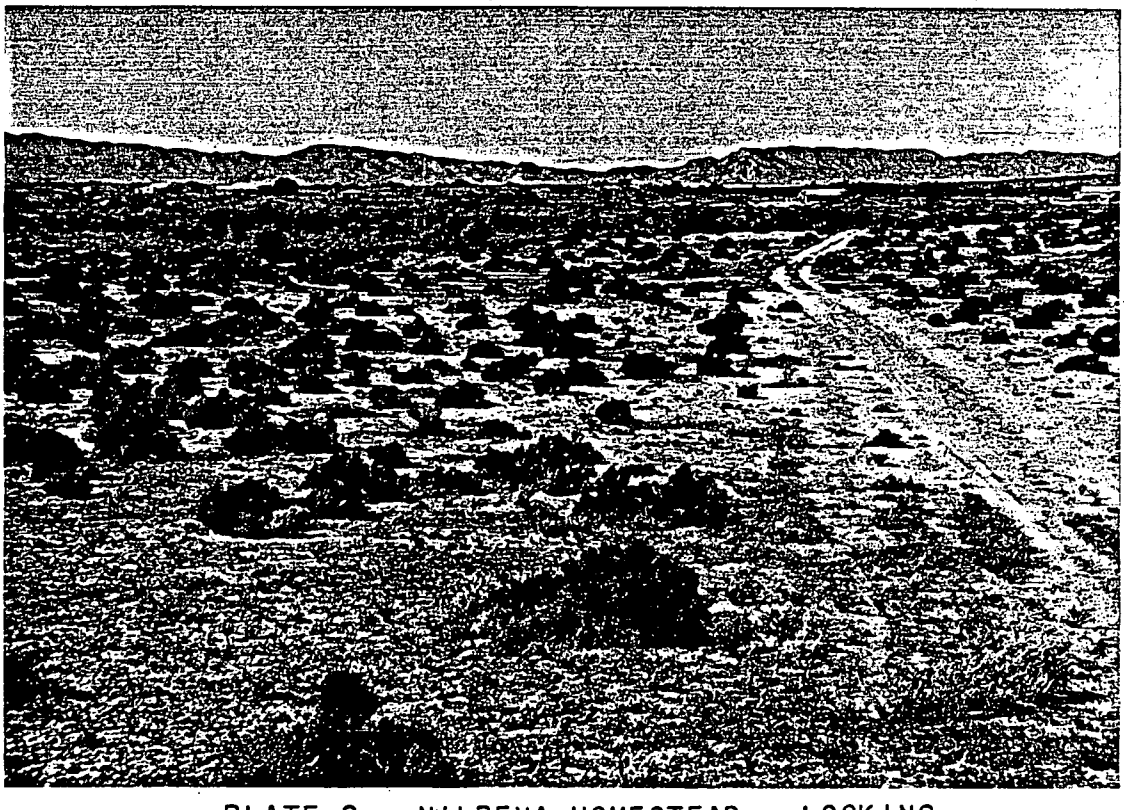
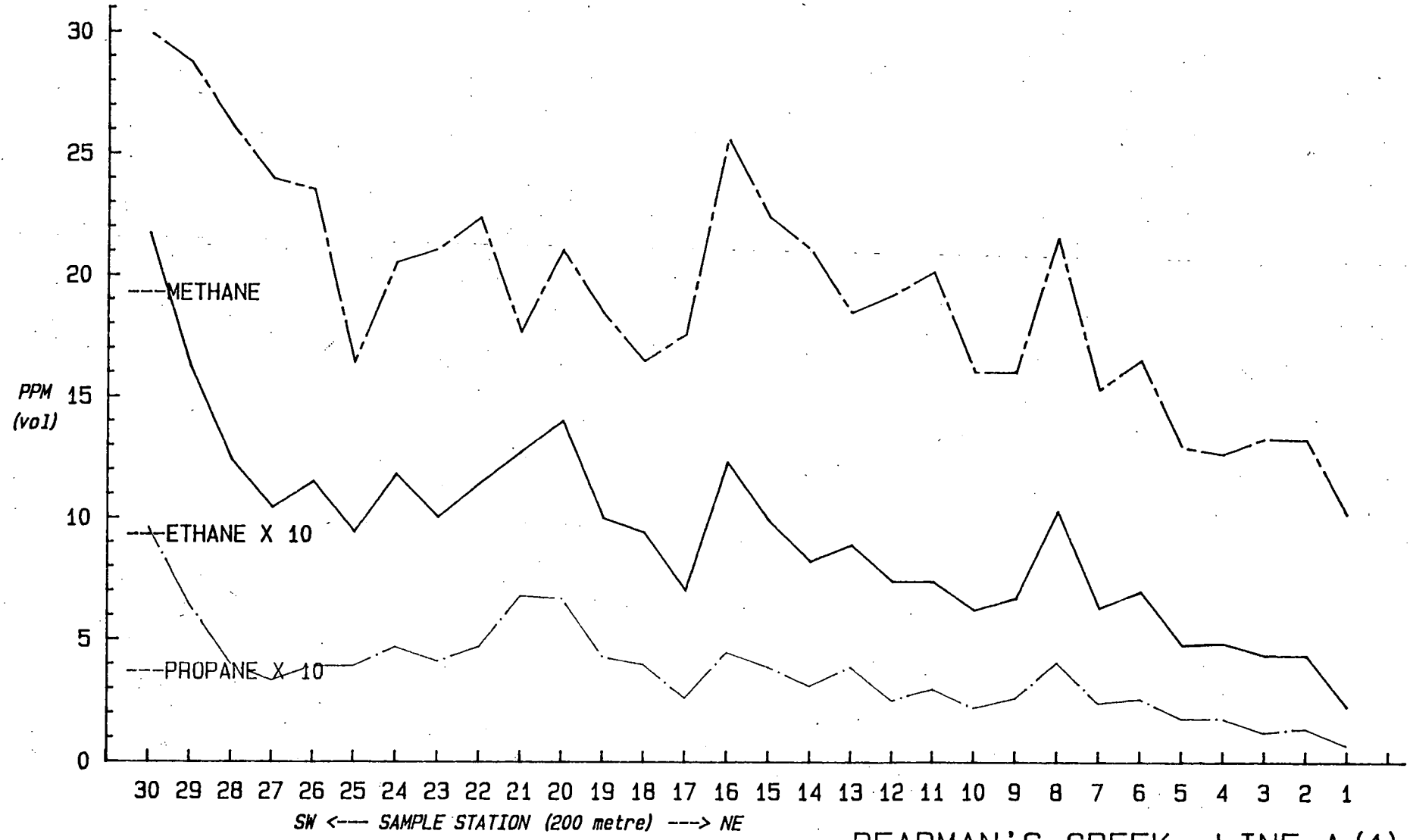


PLATE 2: NILPENA HOMESTEAD - LOOKING TOWARD THE EAST ACROSS PEL 36.



DEADMAN'S CREEK, LINE-A (1)

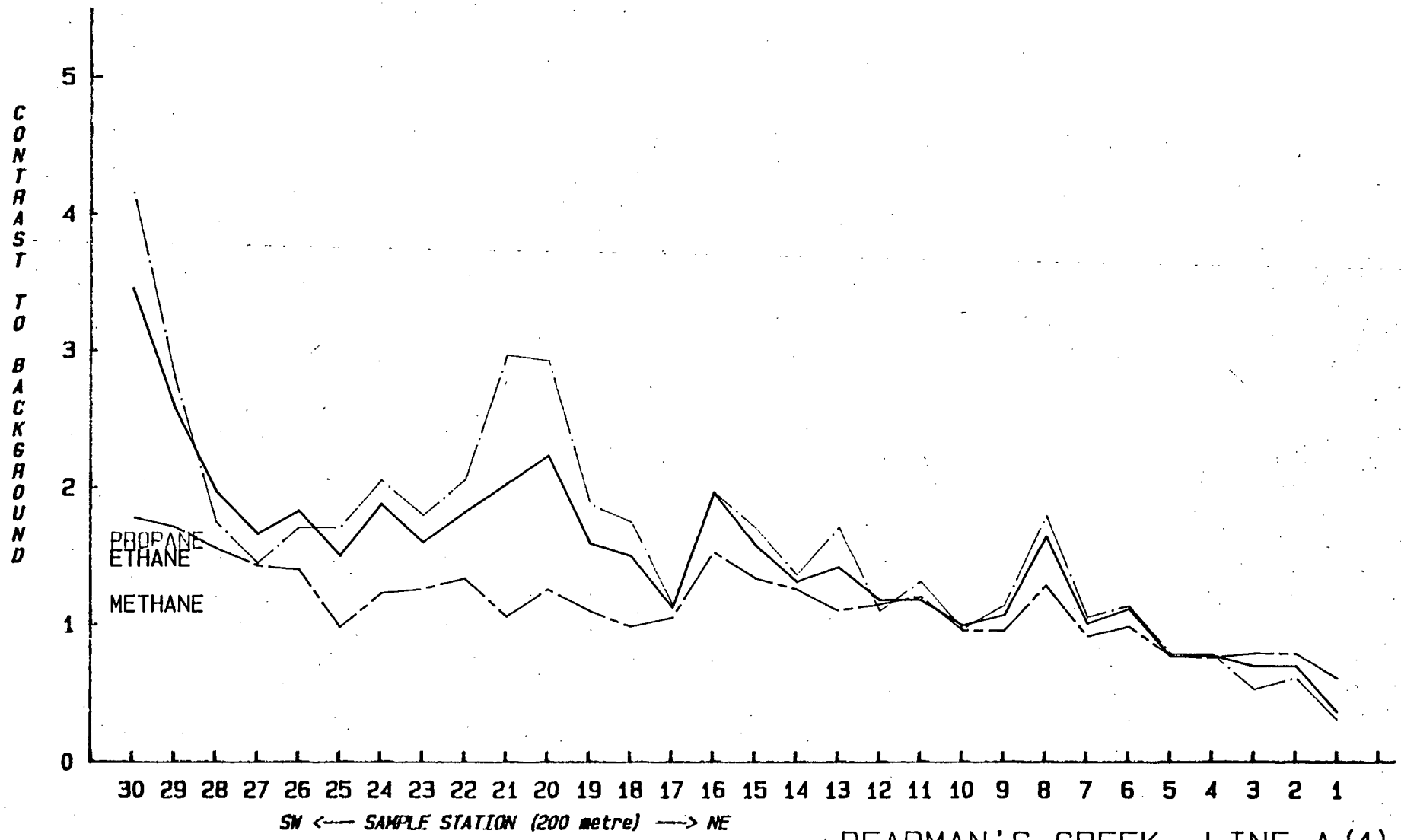
PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G.

RECON EXPLORATION (AUSTRALIA) PTY LTD

ADELAIDE, S. AUSTRALIA



DEADMAN'S CREEK, LINE-A (1)

PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G

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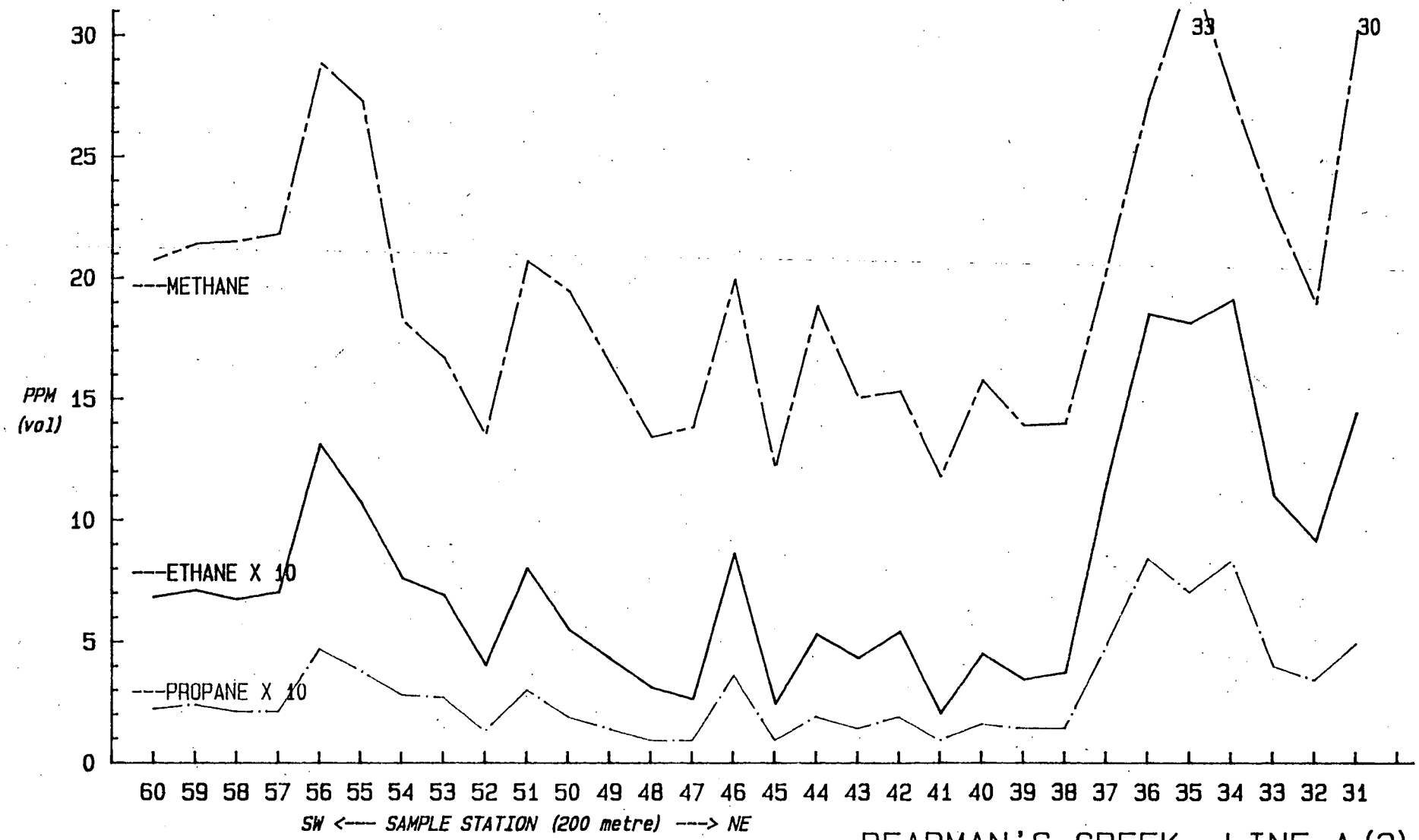

DEADMAN'S CREEK, LINE-A (2)

PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

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RECON EXPLORATION (AUSTRALIA) PTY LTD

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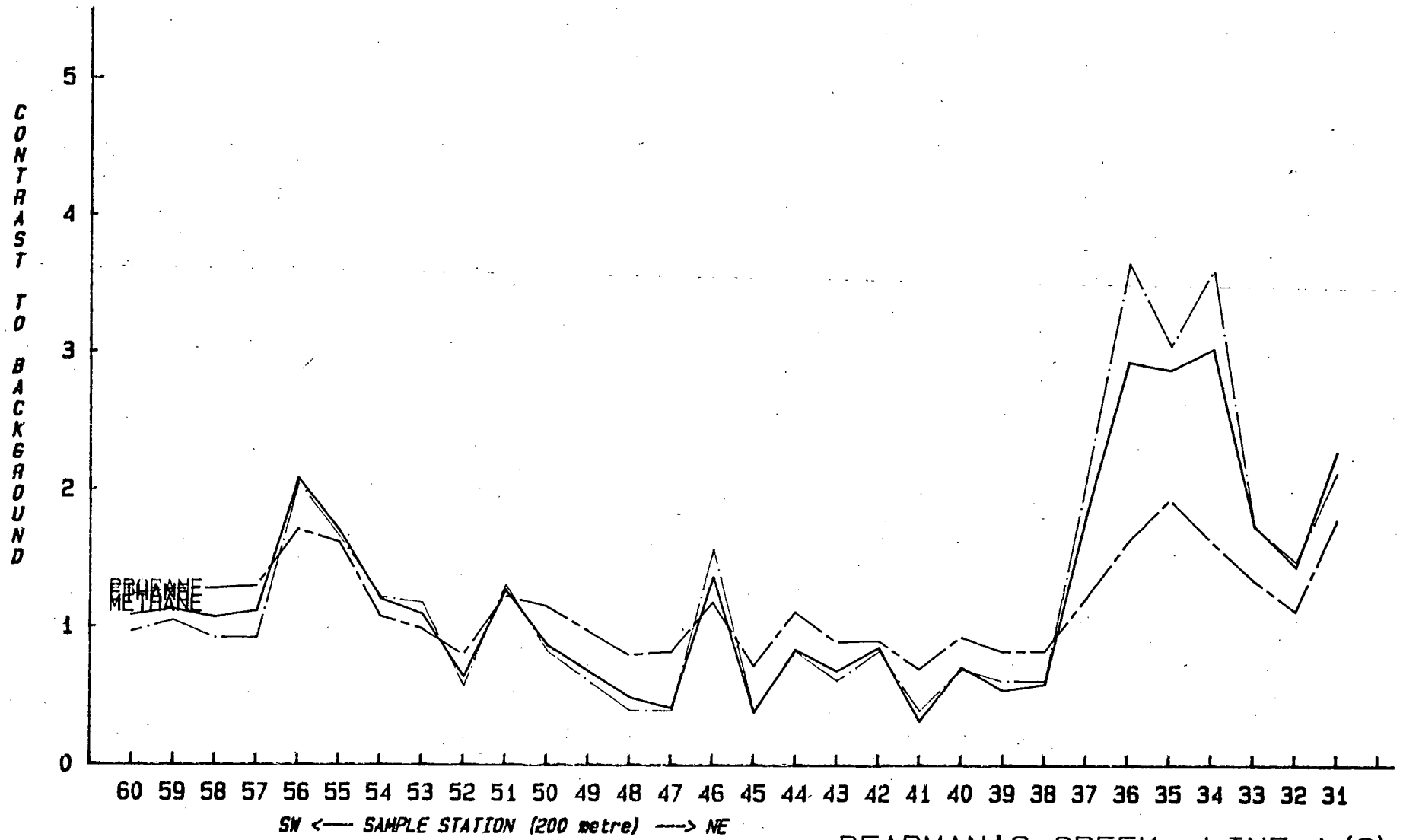

DEADMAN'S CREEK, LINE-A (2)

PEL 36 - SOUTH AUSTRALIA

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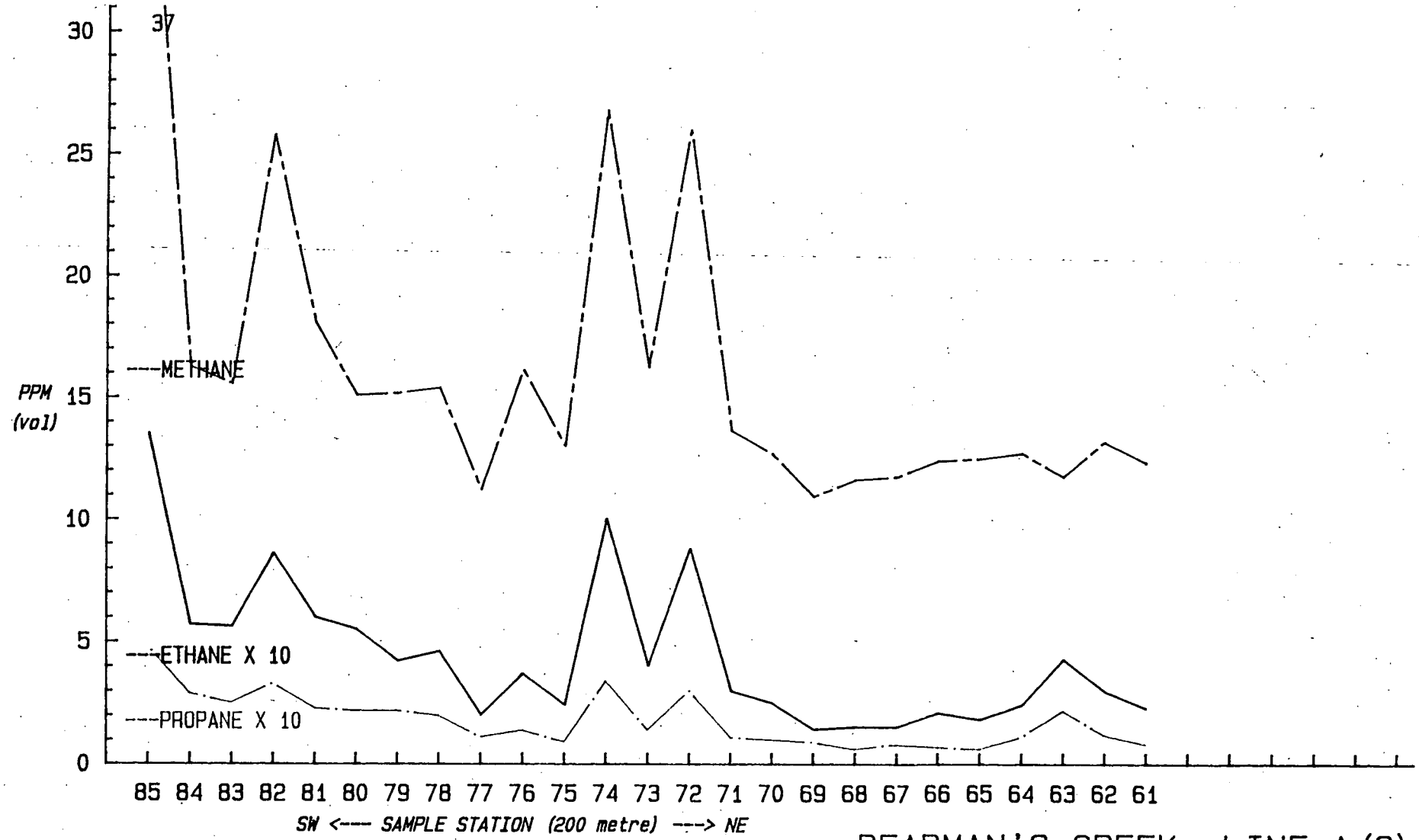

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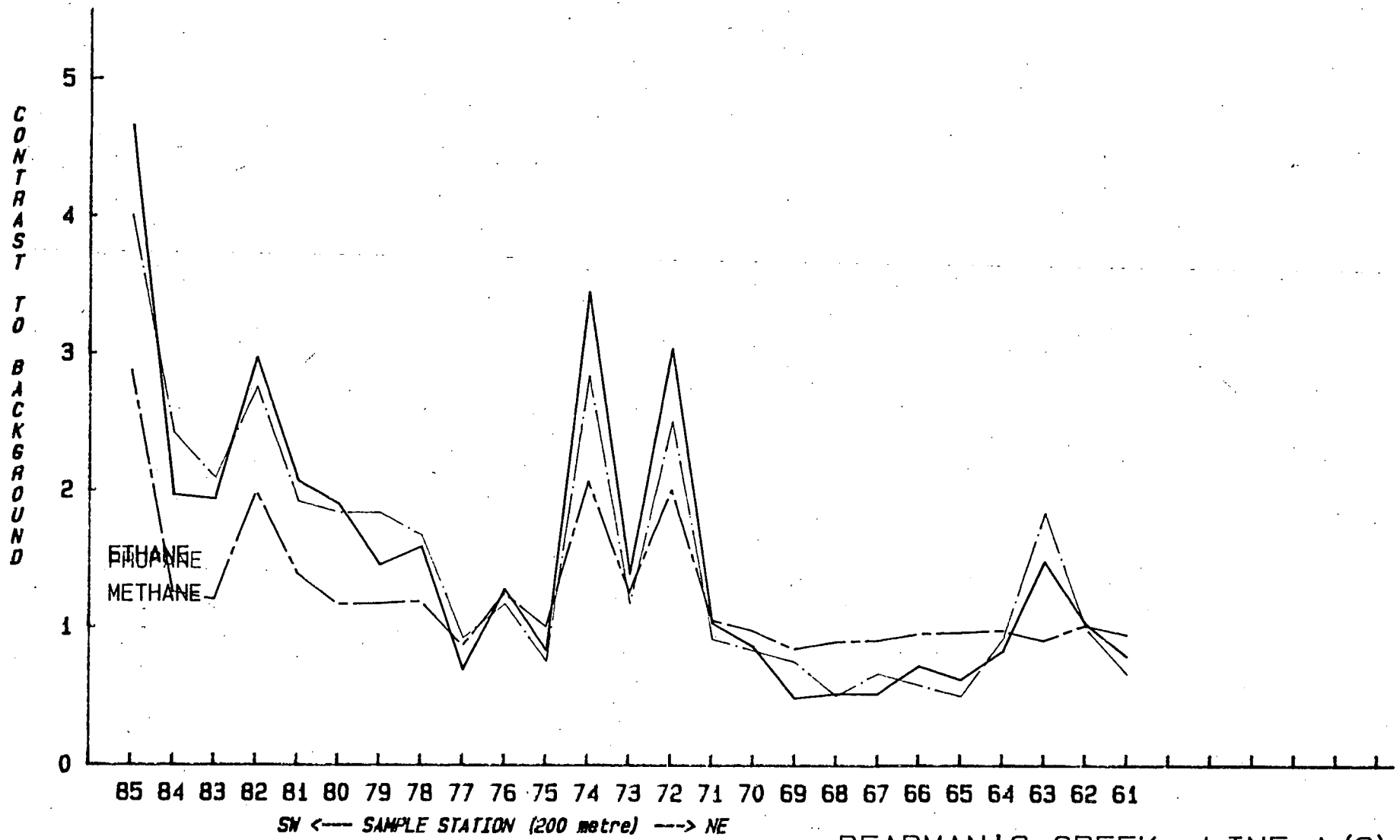
ADELAIDE, S. AUSTRALIA

DEADMAN'S CREEK, LINE-A (3)

PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G.



DEADMAN'S CREEK, LINE-A (3)

PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G

RECON EXPLORATION (AUSTRALIA) PTY LTD

ADELAIDE, S. AUSTRALIA

BERTOIL HOLDING CORPORATION A.G.
DEADMAN'S CREEK LINE-A

DATA SUMMARY TABLE

Sample #	Methane	Ethane	Ethene	Propane	Propene	i-Butane	n-Butane
1	10.23	.23	.08	.07	.02	0.00	0.00
2	13.28	.44	.13	.14	.07	0.00	.04
3	13.33	.44	.12	.12	.07	0.00	.02
4	12.67	.49	.12	.18	.09	0.00	.06
5	12.97	.48	.15	.18	.09	0.00	.03
6	16.54	.70	.18	.26	.13	0.00	.06
7	15.31	.63	.16	.24	.11	0.00	.07
8	21.55	1.03	.42	.41	.27	.03	.14
9	16.00	.67	.22	.26	.15	0.00	.07
10	16.04	.62	.22	.22	.14	0.00	.02
11	20.17	.74	.29	.30	.19	0.00	.06
12	19.19	.74	.24	.25	.18	0.00	.06
13	18.45	.89	.27	.39	.10	0.00	.10
14	21.07	.82	.26	.31	.15	.02	.08
15	22.42	.99	.25	.39	.18	0.00	.06
16	25.62	1.23	.54	.45	.32	.05	.17
17	17.54	.70	.23	.26	.16	0.00	.05
18	16.44	.94	.51	.40	.34	0.00	.05
19	18.44	1.00	.40	.43	.28	0.00	.08
20	21.03	1.40	.46	.67	.35	0.00	.13
21	17.65	1.27	.42	.68	.35	.07	.20
22	22.37	1.14	.43	.47	.33	.18	0.00
23	21.06	1.00	.40	.41	.28	.05	.18
24	20.50	1.18	.49	.47	.35	0.00	.10
25	16.38	.94	.43	.39	.27	0.00	.06
26	23.52	1.15	.57	.39	.38	0.00	.06
27	23.98	1.04	.56	.33	.33	0.00	.05
28	26.15	1.24	.68	.40	.42	0.00	.08
29	28.75	1.62	.69	.64	.46	.04	.20
30	29.98	2.17	.91	.96	.71	.02	.23
31	30.14	1.44	.77	.49	.48	.05	.18
32	18.91	.91	.47	.34	.32	0.00	.08
33	22.74	1.10	.55	.40	.38	0.00	.08
34	27.42	1.91	1.52	.83	.83	.07	.21
35	32.58	1.81	.81	.70	.55	.09	.23
36	27.36	1.85	.76	.84	.59	.10	.28
37	20.44	1.15	.49	.48	.37	.08	.16
38	13.93	.37	.19	.14	.12	0.00	.02
39	13.85	.34	.16	.14	.12	0.00	.01
40	15.75	.45	.23	.16	.15	0.00	.02
41	11.75	.20	.10	.09	.10	0.00	.01
42	15.29	.54	.29	.19	.22	0.00	.02
43	15.00	.43	.25	.14	.14	0.00	.02
44	18.80	.53	.28	.19	.20	0.00	.02
45	12.09	.24	.12	.09	.09	0.00	0.00
46	19.90	.86	.45	.36	.32	0.00	.06
47	13.78	.26	.14	.09	.11	0.00	.02
48	13.36	.31	.18	.09	.05	0.00	0.00
49	16.40	.43	.28	.14	.09	0.00	.02
50	19.43	.55	.37	.19	.21	0.00	.05

51	20.68	.80	.47	.30	.28	0.00	.12
52	13.46	.40	.20	.13	.17	0.00	.03
53	16.68	.69	.32	.27	.21	0.00	.06
54	18.22	.76	.36	.28	.20	.02	.12
55	27.26	1.07	.46	.38	.29	0.00	.12
56	28.82	1.31	.62	.47	.40	.02	.12
57	21.77	.70	.36	.21	.39	.02	.06
58	21.47	.67	.38	.21	.26	0.00	.03
59	21.36	.71	.40	.24	.29	0.00	.05
60	20.71	.68	.37	.22	.25	0.00	.04

BERTOIL HOLDING CORPORATION A.G.
DEADMAN'S CREEK LINE-A

DATA SUMMARY TABLE

Sample #	Methane	Ethane	Ethene	Propane	Propene	i-Butane	n-Butane
61	12.33	.23	.10	.08	.05	0.00	0.00
62	13.19	.30	.23	.12	.12	0.00	0.00
63	11.73	.43	.23	.22	.18	0.00	.05
64	12.72	.24	.30	.11	.29	0.00	.02
65	12.47	.18	.11	.06	.10	0.00	0.00
66	12.38	.21	.14	.07	.08	0.00	.02
67	11.71	.15	.13	.08	.11	0.00	0.00
68	11.59	.15	.09	.06	.06	0.00	0.00
69	10.91	.14	.09	.09	.07	0.00	0.00
70	12.68	.25	.14	.10	.09	0.00	0.00
71	13.66	.30	.18	.11	.13	0.00	0.00
72	25.95	.88	.62	.30	.37	0.00	.05
73	16.22	.40	.24	.14	.15	0.00	.02
74	26.77	1.00	.62	.34	.38	0.00	.07
75	12.99	.24	.13	.09	.13	0.00	0.00
76	16.14	.37	.20	.14	.11	0.00	.02
77	11.20	.20	.10	.11	.08	0.00	0.00
78	15.38	.46	.29	.20	.20	0.00	.05
79	15.15	.42	.29	.22	.19	0.00	.05
80	15.07	.55	.30	.22	.21	0.00	.05
81	18.04	.60	.33	.23	.22	0.00	.03
82	25.78	.86	.46	.33	.30	0.00	.05
83	15.56	.56	.21	.25	.17	0.00	.05
84	16.28	.57	.26	.29	.20	0.00	.05
85	37.24	1.35	.75	.48	.45	0.00	.08

DEADMAN'S CREEK LINE-A

SUMS AND RATIOS

Sample #	Sum C1-C4	Sum C2-C4	Ethane/ Ethene	Propane/ Propene	Percent Methane	Ethane Ratio	Propane Ratio	Percent Wetness
1	10.63	.40	2.88	3.50	96.24	44.48	6.84	3.76
2	14.10	.82	3.38	2.00	94.18	30.18	10.54	5.82
3	14.10	.77	3.67	1.71	94.54	30.30	9.00	5.46
4	13.61	.94	4.08	2.00	93.09	25.86	14.21	6.91
5	13.90	.93	3.20	2.00	93.31	27.02	13.88	6.69
6	17.87	1.33	3.89	2.00	92.56	23.63	15.72	7.44
7	16.52	1.21	3.94	2.18	92.68	24.30	15.68	7.32
8	23.85	2.30	2.45	1.52	90.36	20.92	19.03	9.64
9	17.37	1.37	3.05	1.73	92.11	23.88	16.25	7.89
10	17.26	1.22	2.82	1.57	92.93	25.87	13.72	7.07
11	21.75	1.58	2.55	1.58	92.74	27.26	14.87	7.26
12	20.66	1.47	3.08	1.39	92.88	25.93	13.03	7.12
13	20.20	1.75	3.30	3.90	91.34	20.73	21.14	8.66
14	22.71	1.64	3.15	2.07	92.78	25.70	14.71	7.22
15	24.29	1.87	3.96	2.17	92.30	22.65	17.40	7.70
16	28.38	2.76	2.28	1.41	90.27	20.83	17.56	9.73
17	18.94	1.40	3.04	1.63	92.61	25.06	14.82	7.39
18	18.68	2.24	1.84	1.18	88.01	17.49	24.33	11.99
19	20.63	2.19	2.50	1.54	89.38	18.44	23.32	10.62
20	24.04	3.01	3.04	1.91	87.48	15.02	31.86	12.52
21	20.64	2.99	3.02	1.94	85.51	13.90	38.53	14.49
22	24.92	2.55	2.65	1.42	89.77	19.62	21.01	10.23
23	23.38	2.32	2.50	1.46	90.08	21.06	19.47	9.92
24	23.09	2.59	2.41	1.34	88.78	17.37	22.93	11.22
25	18.47	2.09	2.19	1.44	88.68	17.43	23.81	11.32
26	26.07	2.55	2.02	1.03	90.22	20.45	16.58	9.78
27	26.29	2.31	1.86	1.00	91.21	23.06	13.76	8.79
28	28.97	2.82	1.82	.95	90.27	21.09	15.30	9.73
29	32.40	3.65	2.35	1.39	88.73	17.75	22.26	11.27
30	34.98	5.00	2.38	1.35	85.71	13.82	32.02	14.29
31	33.55	3.41	1.87	1.02	89.84	20.93	16.25	10.16
32	21.03	2.12	1.94	1.06	89.92	20.78	17.98	10.08
33	25.25	2.51	2.00	1.05	90.06	20.67	17.59	9.94
34	32.79	5.37	1.26	1.00	83.62	14.36	30.27	16.38
35	36.77	4.19	2.23	1.27	88.60	18.00	21.49	11.40
36	31.78	4.42	2.43	1.42	86.09	14.79	30.70	13.91
37	23.17	2.73	2.35	1.30	88.22	17.77	23.48	11.78
38	14.77	.84	1.95	1.17	94.31	37.65	10.05	5.69
39	14.62	.77	2.13	1.17	94.73	40.74	10.11	5.27
40	16.76	1.01	1.96	1.07	93.97	35.00	10.16	6.03
41	12.25	.50	2.00	.90	95.92	58.75	7.66	4.08
42	16.55	1.26	1.86	.86	92.39	28.31	12.43	7.61
43	15.98	.98	1.72	1.00	93.87	34.88	9.33	6.13
44	20.02	1.22	1.89	.95	93.91	35.47	10.11	6.09
45	12.63	.54	2.00	1.00	95.72	50.38	7.44	4.28
46	21.95	2.05	1.91	1.13	90.66	23.14	18.09	9.34
47	14.40	.62	1.86	.82	95.69	53.00	6.53	4.31
48	13.99	.63	1.72	1.80	95.50	43.10	6.74	4.50
49	17.35	.95	1.56	1.50	94.52	38.13	8.23	5.48
50	20.80	1.37	1.49	.90	93.41	35.33	9.78	6.59

51	22.65	1.97	1.70	1.07	91.30	25.85	14.51	8.70
52	14.39	.93	2.00	.76	93.54	33.65	9.66	6.46
53	18.23	1.55	2.16	1.29	91.50	24.17	16.19	8.50
54	19.96	1.74	2.11	1.40	91.28	23.97	15.37	8.72
55	29.58	2.32	2.33	1.31	92.16	25.48	13.94	7.84
56	31.76	2.94	2.11	1.18	90.74	22.00	16.31	9.26
57	23.51	1.74	1.94	.54	92.60	31.10	9.65	7.40
58	23.02	1.55	1.76	.81	93.27	32.04	9.78	6.73
59	23.05	1.69	1.78	.83	92.67	30.08	11.24	7.33
60	22.27	1.56	1.84	.88	93.00	30.46	10.62	7.00

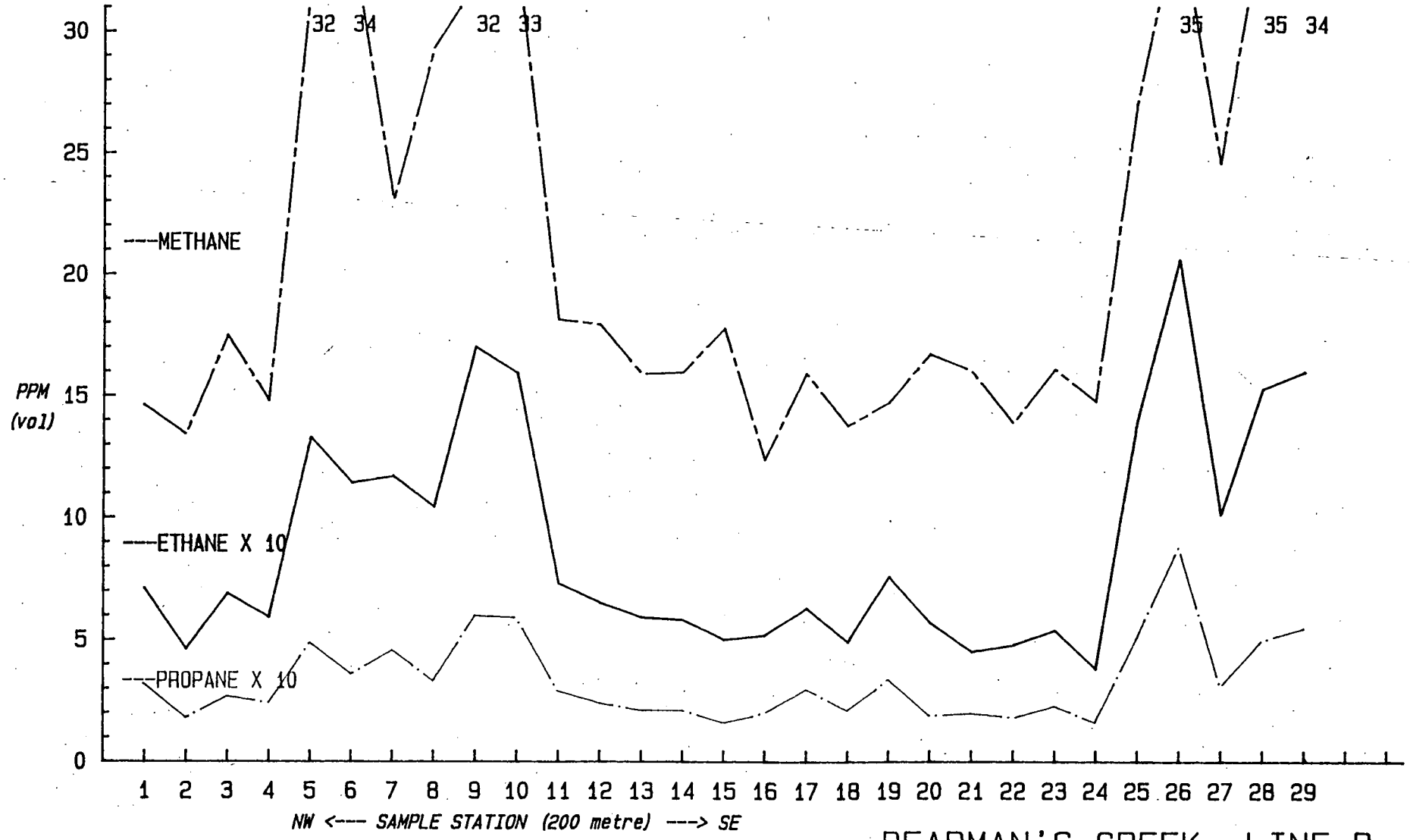
RECON EXPLORATION (AUST) Pty Ltd
South Australia Field Laboratory
August, 1987

DEADMAN'S CREEK LINE-A

SUMS AND RATIOS

Sample #	Sum C1-C4	Sum C2-C4	Ethane/ Ethene	Propane/ Propene	Percent Methane	Ethane Ratio	Propane Ratio	Percent Wetness
61	12.79	.46	2.30	1.60	96.40	53.61	6.49	3.60
62	13.96	.77	1.30	1.00	94.48	43.97	9.10	5.52
63	12.84	1.11	1.87	1.22	91.36	27.28	18.76	8.64
64	13.68	.96	.80	.38	92.98	53.00	8.65	7.02
65	12.92	.45	1.64	.60	96.52	69.28	4.81	3.48
66	12.90	.52	1.50	.88	95.97	58.95	5.65	4.03
67	12.18	.47	1.15	.73	96.14	78.07	6.83	3.86
68	11.95	.36	1.67	1.00	96.99	77.27	5.18	3.01
69	11.30	.39	1.56	1.38	96.59	77.33	8.25	3.41
70	13.26	.58	1.79	1.11	95.63	50.72	7.89	4.37
71	14.38	.72	1.67	.85	94.99	45.53	8.05	5.01
72	28.17	2.22	1.42	.81	92.12	29.49	11.56	7.88
73	17.17	.95	1.67	.93	94.47	40.55	8.63	5.53
74	29.18	2.41	1.61	.89	91.74	26.77	12.70	8.26
75	13.58	.59	1.85	.69	95.66	54.13	6.93	4.34
76	18.98	.84	1.85	1.27	95.05	43.62	8.67	4.95
77	11.69	.49	2.00	1.38	95.81	56.00	9.82	4.19
78	16.58	1.20	1.59	1.00	92.76	33.43	13.00	7.24
79	16.32	1.17	1.45	1.16	92.83	36.07	14.52	7.17
80	16.40	1.33	1.83	1.05	91.89	27.40	14.60	8.11
81	19.45	1.41	1.82	1.05	92.75	30.07	12.75	7.25
82	27.78	2.00	1.87	1.10	92.80	29.98	12.80	7.20
83	16.80	1.24	2.67	1.47	92.62	27.79	16.07	7.38
84	17.65	1.37	2.19	1.45	92.24	28.56	17.81	7.76
85	40.35	3.11	1.80	1.07	92.29	27.59	12.89	7.71

RECON EXPLORATION (AUST) Pty Ltd
South Australia Field Laboratory
August, 1987



DEADMAN'S CREEK, LINE-B

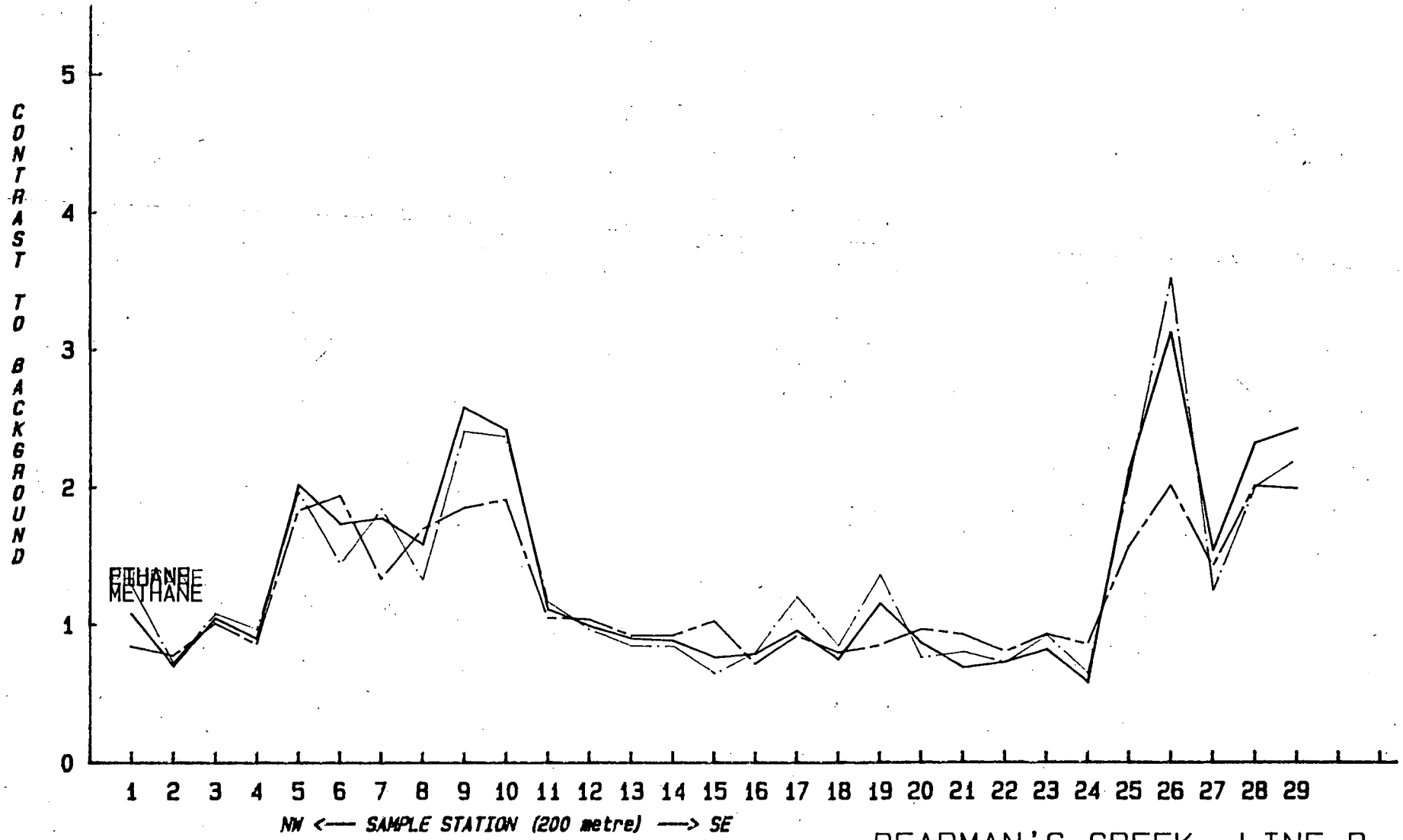
PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G.

RECON EXPLORATION (AUSTRALIA) PTY LTD

ADELAIDE, S. AUSTRALIA



DEADMAN'S CREEK, LINE-B

PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G

RECON EXPLORATION (AUSTRALIA) PTY LTD

ADELAIDE, S. AUSTRALIA

BERTOIL HOLDING CORPORATION A.G.
DEADMAN'S CREEK LINE-B

DATA SUMMARY TABLE

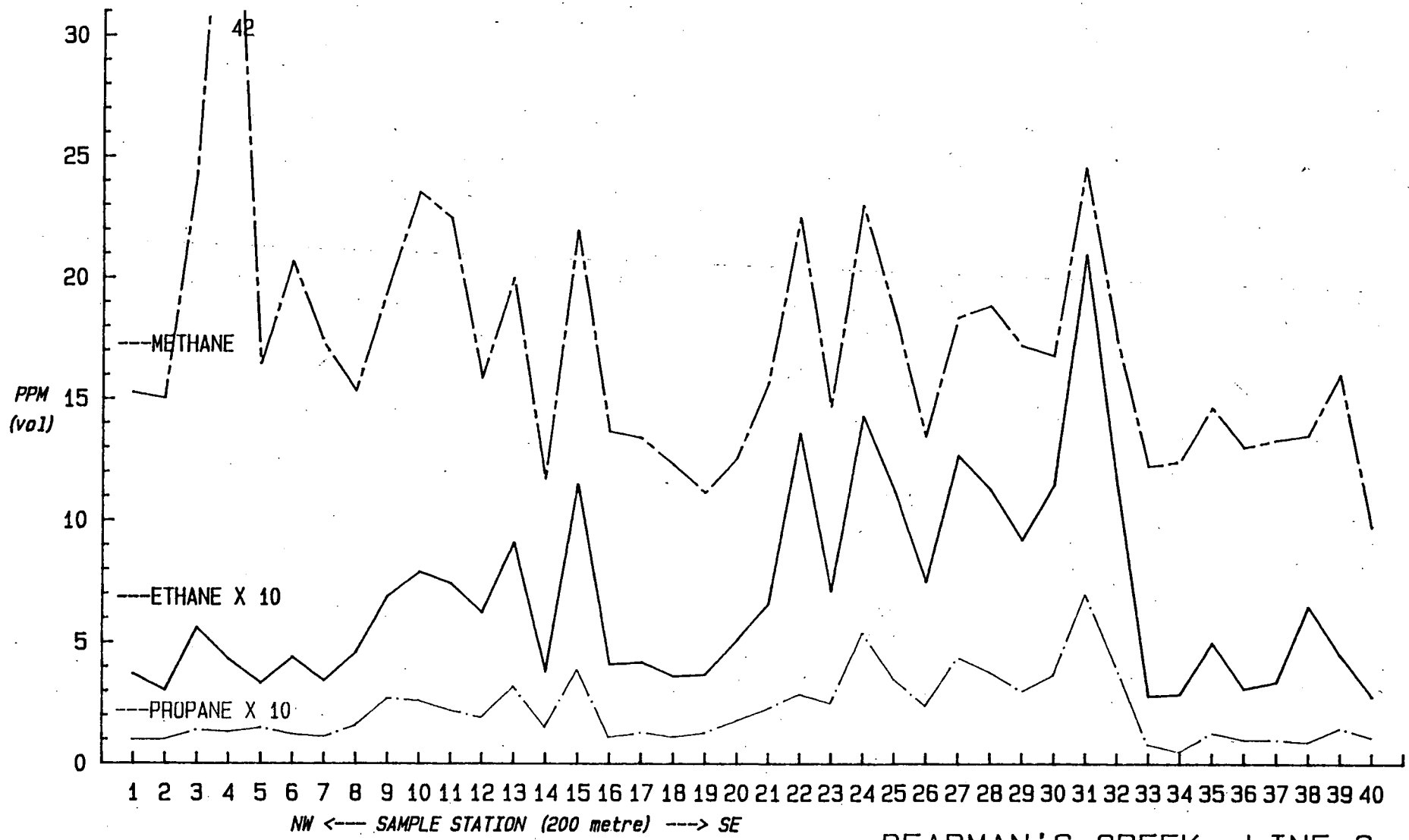
Sample #	Methane	Ethane	Ethene	Propane	Propene	i-Butane	n-Butane
1	14.64	.71	.29	.32	.22	0.00	.06
2	13.41	.46	.20	.18	.12	0.00	0.00
3	17.49	.69	.25	.27	.17	0.00	.05
4	14.80	.59	.27	.24	.21	0.00	.06
5	31.72	1.33	.81	.49	.58	0.00	.11
6	33.57	1.14	.61	.36	.47	0.00	.09
7	23.05	1.17	.55	.46	.38	0.00	.11
8	29.35	1.04	.59	.33	.39	0.00	.07
9	32.02	1.70	.99	.60	.73	.02	.16
10	33.06	1.59	.82	.59	.52	0.00	.14
11	18.13	.73	.36	.29	.30	0.00	.07
12	17.91	.65	.30	.24	.22	0.00	.03
13	15.90	.59	.28	.21	.23	0.00	.03
14	15.98	.58	.29	.21	.21	0.00	.03
15	17.77	.50	.23	.16	.16	0.00	.03
16	12.35	.52	.25	.20	.17	0.00	.04
17	15.91	.63	.34	.30	.22	0.00	.08
18	13.76	.49	.24	.21	.19	0.00	.05
19	14.76	.76	.36	.34	.29	0.00	.05
20	16.73	.57	.30	.19	.17	0.00	.05
21	16.03	.45	.25	.20	.18	0.00	.03
22	13.89	.48	.23	.18	.16	0.00	.03
23	16.11	.54	.25	.23	.21	0.00	.03
24	14.78	.38	.20	.16	.18	0.00	0.00
25	27.05	1.40	.82	.51	.56	0.00	.10
26	34.79	2.06	1.23	.88	.91	.02	.12
27	24.57	1.01	.64	.31	.34	0.00	.05
28	34.77	1.53	.99	.50	.66	0.00	.10
29	34.35	1.60	1.04	.55	.78	.03	.15

DEADMAN'S CREEK LINE-B

SUMS AND RATIOS

Sample #	Sum C1-C4	Sum C2-C4	Ethane/ Ethene	Propane/ Propene	Percent Methane	Ethane Ratio	Propane Ratio	Percent Wetness
1	16.24	1.60	2.45	1.45	90.15	20.62	21.86	9.85
2	14.37	.96	2.30	1.50	93.32	29.15	13.42	6.68
3	18.92	1.43	2.76	1.59	92.44	25.35	15.44	7.56
4	16.17	1.37	2.19	1.14	91.53	25.08	16.22	8.47
5	35.04	3.32	1.64	.84	90.53	23.85	15.45	9.47
6	36.24	2.67	1.87	.77	92.63	29.45	10.72	7.37
7	25.72	2.67	2.13	1.21	89.62	19.70	19.96	10.38
8	31.77	2.42	1.76	.85	92.38	28.22	11.24	7.62
9	36.22	4.20	1.72	.82	88.40	18.84	18.74	11.60
10	36.72	3.66	1.94	1.13	90.03	20.79	17.85	9.97
11	19.88	1.75	2.03	.97	91.20	24.84	16.00	8.80
12	19.35	1.44	2.17	1.09	92.56	27.55	13.40	7.44
13	17.24	1.34	2.11	.91	92.23	26.95	13.21	7.77
14	17.30	1.32	2.00	1.00	92.37	27.55	13.14	7.63
15	18.85	1.08	2.17	1.00	94.27	35.54	9.00	5.73
16	13.53	1.18	2.08	1.18	91.28	23.75	16.19	8.72
17	17.48	1.57	1.85	1.36	91.02	25.25	18.86	8.98
18	14.94	1.18	2.04	1.11	92.10	28.08	15.26	7.90
19	16.56	1.80	2.11	1.17	89.13	19.42	23.04	10.87
20	18.01	1.28	1.90	1.12	92.89	29.35	11.36	7.11
21	17.14	1.11	1.80	1.11	93.52	35.62	12.48	6.48
22	14.97	1.08	2.09	1.13	92.79	28.94	12.96	7.21
23	17.37	1.26	2.16	1.10	92.75	29.83	14.28	7.25
24	15.70	.92	1.90	.89	94.14	38.89	10.83	5.86
25	30.44	3.39	1.71	.91	88.86	19.32	18.85	11.14
26	40.01	5.22	1.67	.97	86.95	16.99	25.29	13.05
27	26.92	2.35	1.58	.91	91.27	24.33	12.62	8.73
28	38.55	3.78	1.55	.76	90.19	22.73	14.38	9.81
29	38.50	4.15	1.54	.71	89.22	21.47	16.01	10.78

RECON EXPLORATION (AUST) Pty Ltd
South Australia Field Laboratory
August, 1987



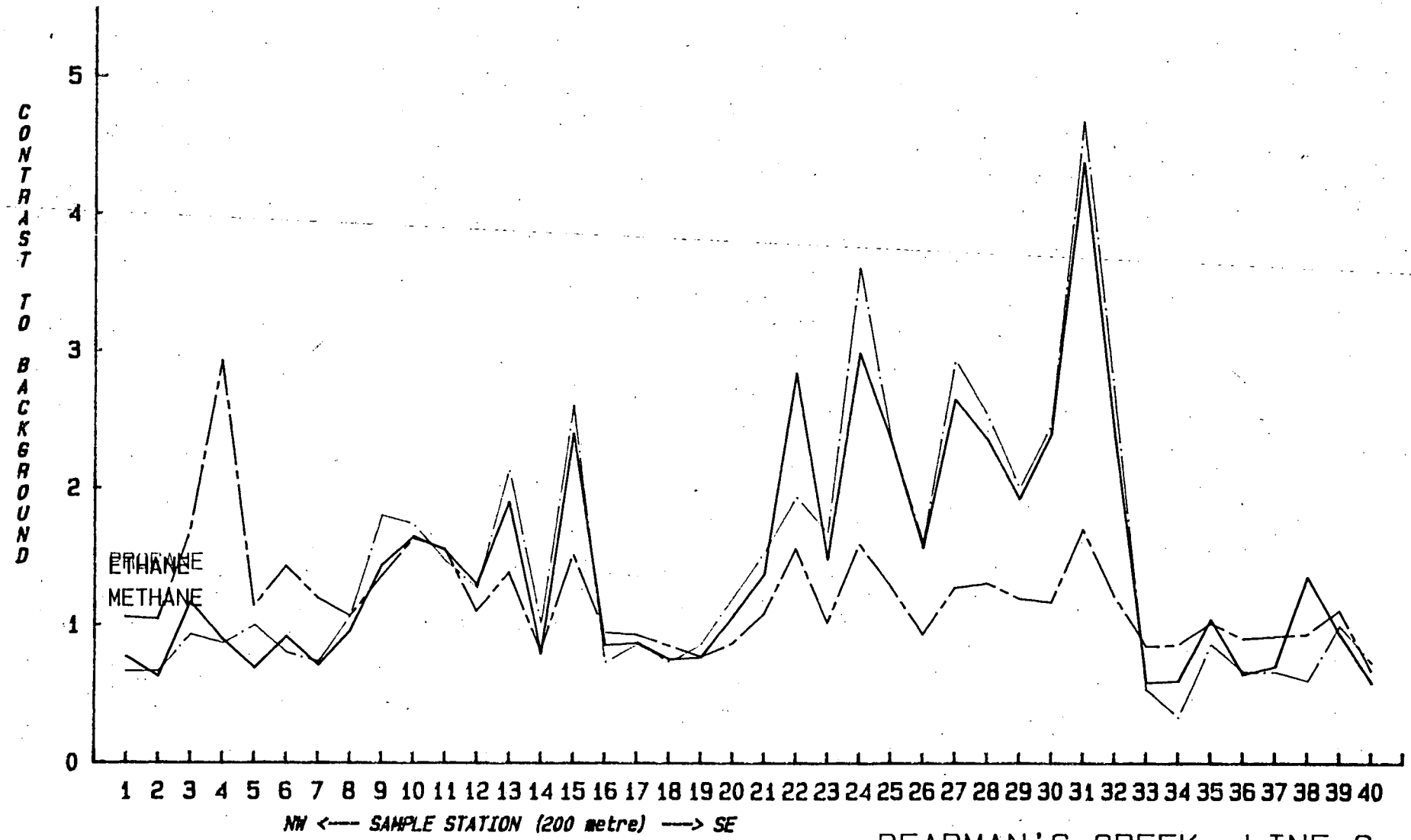
RECON EXPLORATION (AUSTRALIA) PTY LTD
ADELAIDE, S. AUSTRALIA

DEADMAN'S CREEK, LINE-C

PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G.



DEADMAN'S CREEK, LINE-C

PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G

RECON EXPLORATION (AUSTRALIA) PTY LTD

ADELAIDE, S. AUSTRALIA

BERTOIL HOLDING CORPORATION A.G.
DEADMAN'S CREEK LINE-C

DATA SUMMARY TABLE

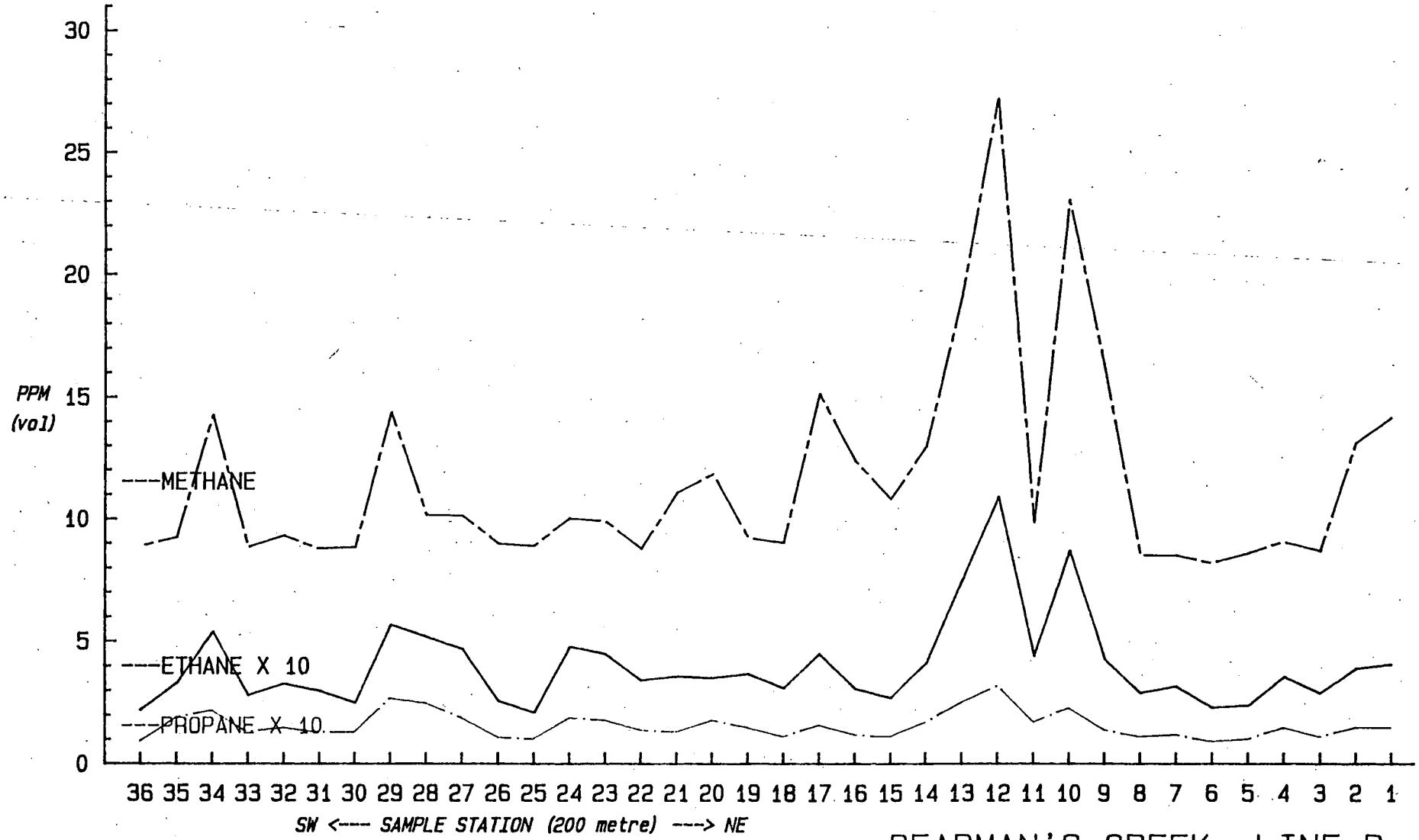
Sample #	Methane	Ethane	Ethene	Propane	Propene	i-Butane	n-Butane
1	15.28	.37	.13	.10	.08	0.00	0.00
2	15.02	.30	.10	.10	.09	0.00	.02
3	24.31	.56	.11	.14	.09	0.00	.03
4	42.29	.43	.11	.13	.09	0.00	.05
5	16.45	.33	.21	.15	.07	0.00	0.00
6	20.67	.44	.09	.12	.08	0.00	0.00
7	17.27	.34	.12	.11	.08	0.00	0.00
8	15.34	.46	.22	.16	.14	0.00	.03
9	19.63	.69	.42	.27	.27	0.00	.02
10	23.55	.79	.29	.26	.19	0.00	.07
11	22.46	.74	.29	.22	.20	0.00	.08
12	15.89	.62	.21	.19	.14	0.00	0.00
13	20.00	.91	.39	.32	.23	0.00	.08
14	11.70	.38	.14	.15	.09	0.00	0.00
15	21.97	1.15	.46	.39	.32	0.00	.09
16	13.67	.41	.14	.11	.11	0.00	0.00
17	13.40	.42	.11	.13	.08	0.00	0.00
18	12.30	.36	.12	.11	.07	0.00	0.00
19	11.14	.37	.14	.13	.10	0.00	0.00
20	12.60	.51	.21	.18	.13	0.00	0.00
21	15.68	.66	.28	.23	.19	0.00	.07
22	22.50	1.36	.63	.29	.44	0.00	.10
23	14.69	.71	.37	.25	.27	0.00	.04
24	23.01	1.43	.53	.54	.45	.10	.15
25	18.50	1.12	.49	.35	.39	.03	.12
26	13.50	.75	.34	.24	.15	0.00	.02
27	18.43	1.27	.64	.44	.30	0.00	.08
28	18.91	1.13	.54	.38	.44	.05	.02
29	17.24	.92	.41	.30	.37	0.00	.06
30	16.82	1.15	.61	.37	.49	0.00	.09
31	24.58	2.10	1.09	.70	.86	0.00	.15
32	17.51	1.15	.55	.40	.50	0.00	.08
33	12.27	.28	.10	.08	.07	0.00	0.00
34	12.47	.29	.16	.05	.03	0.00	0.00
35	14.71	.50	.60	.13	.15	0.00	.02
36	13.06	.31	.14	.10	.09	0.00	0.00
37	13.37	.34	.15	.10	.09	0.00	0.00
38	13.57	.65	.16	.09	.10	0.00	0.00
39	16.07	.45	.20	.15	.13	0.00	.02
40	9.77	.28	.24	.11	.18	0.00	0.00

DEADMAN'S CREEK LINE-C

SUMS AND RATIOS

Sample #	Sum C1-C4	Sum C2-C4	Ethane/ Ethene	Propane/ Propene	Percent Methane	Ethane Ratio	Propane Ratio	Percent Wetness
1	15.96	.68	2.85	1.25	95.74	41.30	6.54	4.26
2	15.63	.61	3.00	1.11	96.10	50.07	6.66	3.90
3	25.24	.93	5.09	1.56	96.32	43.41	5.76	3.68
4	43.10	.81	3.91	1.44	98.12	98.35	3.07	1.88
5	17.21	.76	1.57	2.14	95.58	49.85	9.12	4.42
6	21.40	.73	4.89	1.50	96.59	46.98	5.81	3.41
7	17.92	.65	2.83	1.38	96.37	50.79	6.37	3.63
8	16.35	1.01	2.09	1.14	93.82	33.35	10.43	6.18
9	21.30	1.67	1.64	1.00	92.15	28.45	13.75	7.85
10	25.15	1.60	2.72	1.37	93.64	29.81	11.04	6.36
11	23.97	1.51	2.55	1.10	93.70	30.35	9.80	6.30
12	17.05	1.16	2.95	1.36	93.20	25.63	11.96	6.80
13	21.93	1.93	2.33	1.41	91.21	21.98	16.00	8.79
14	12.46	.76	2.71	1.67	93.90	30.79	12.82	6.10
15	24.38	2.41	2.50	1.22	90.11	19.10	17.75	9.89
16	14.44	.77	2.93	1.00	94.67	33.34	8.05	5.33
17	14.14	.74	3.82	1.63	94.77	31.90	9.70	5.23
18	12.96	.66	3.00	1.57	94.91	34.17	8.94	5.09
19	11.88	.74	2.64	1.30	93.77	30.11	11.67	6.23
20	13.63	1.03	2.43	1.38	92.44	24.71	14.29	7.56
21	17.11	1.43	2.36	1.21	91.64	23.76	14.67	8.36
22	25.32	2.82	2.16	.66	88.86	16.54	12.89	11.14
23	16.33	1.64	1.92	.93	89.96	20.69	17.02	10.04
24	26.21	3.20	2.70	1.20	87.79	16.09	23.47	12.21
25	21.00	2.50	2.29	.90	88.10	16.52	18.92	11.90
26	15.00	1.50	2.21	1.60	90.00	18.00	17.78	10.00
27	21.16	2.73	1.98	1.47	87.10	14.51	23.87	12.90
28	21.47	2.56	2.09	.86	88.08	16.73	20.10	11.92
29	19.30	2.06	2.24	.81	89.33	18.74	17.40	10.67
30	19.53	2.71	1.89	.76	86.12	14.63	22.00	13.88
31	29.48	4.90	1.93	.81	83.38	11.70	28.48	16.62
32	20.19	2.68	2.09	.80	86.73	15.23	22.84	13.27
33	12.80	.53	2.80	1.14	95.86	43.82	6.52	4.14
34	13.00	.53	1.81	1.67	95.92	43.00	4.01	4.08
35	16.11	1.40	.83	.87	91.31	29.42	8.84	8.69
36	13.70	.64	2.21	1.11	95.33	42.13	7.66	4.67
37	14.05	.68	2.27	1.11	95.16	39.32	7.48	4.84
38	14.57	1.00	4.06	.90	93.14	20.88	6.63	6.86
39	17.02	.95	2.25	1.15	94.42	35.71	9.33	5.58
40	10.58	.81	1.17	.61	92.34	34.89	11.26	7.66

RECON EXPLORATION (AUST) Pty Ltd
South Australia Field Laboratory
August, 1987



DEADMAN'S CREEK, LINE-D

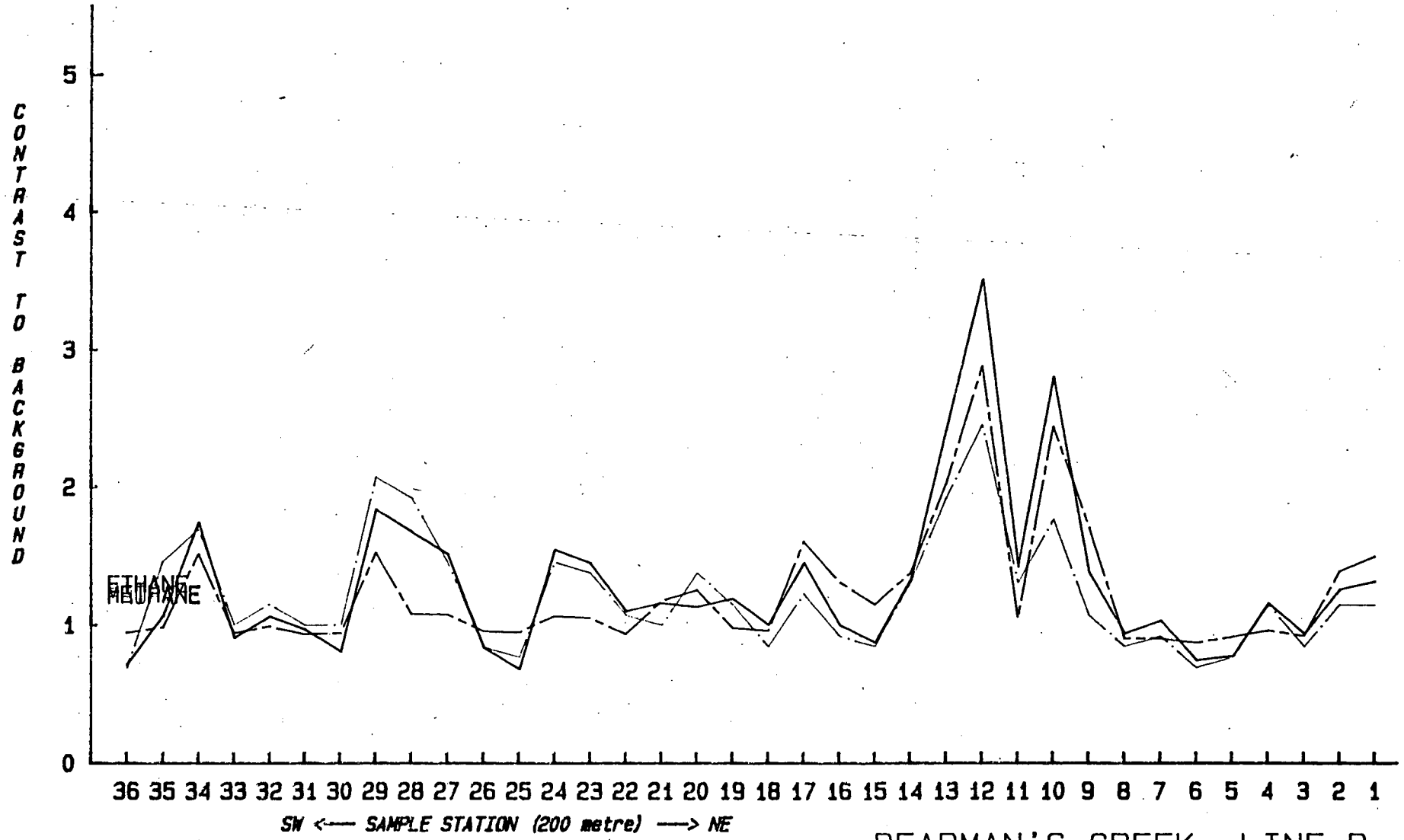
PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G.

RECON EXPLORATION (AUSTRALIA) PTY LTD

ADELAIDE, S. AUSTRALIA



DEADMAN'S CREEK, LINE-D

PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G

RECON EXPLORATION (AUSTRALIA) PTY LTD

ADELAIDE, S. AUSTRALIA

BERTOIL HOLDING CORPORATION A.G.
DEADMAN'S CREEK LINE-D

DATA SUMMARY TABLE

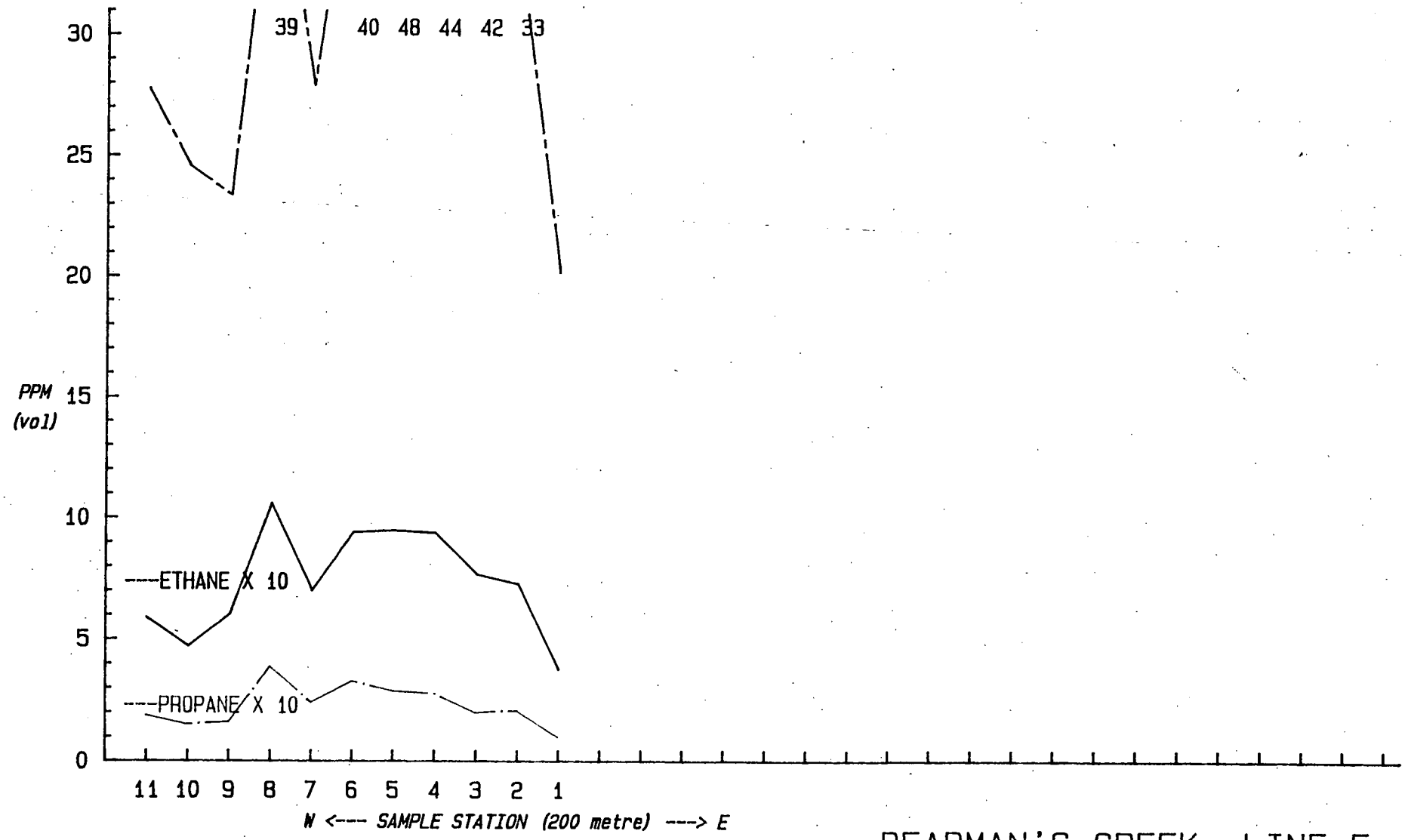
Sample #	Methane	Ethane	Ethene	Propane	Propene	i-Butane	n-Butane
1	14.17	.41	.21	.15	.13	0.00	.02
2	13.12	.39	.15	.15	.09	0.00	.02
3	8.70	.29	.09	.11	.05	0.00	.02
4	9.09	.36	.10	.15	.09	0.00	.02
5	8.60	.24	.08	.10	.08	0.00	.02
6	8.20	.23	.07	.09	.07	0.00	0.00
7	8.53	.32	.10	.12	.08	0.00	0.00
8	8.53	.29	.09	.11	.09	0.00	0.00
9	16.20	.43	.13	.14	.11	0.00	.02
10	23.07	.87	.16	.23	.22	0.00	.03
11	9.85	.44	.13	.17	.09	0.00	.02
12	27.21	1.09	.27	.32	.20	0.00	.07
13	19.08	.75	.22	.25	.15	0.00	.03
14	12.96	.41	.16	.17	.10	0.00	.02
15	10.81	.27	.08	.11	.07	0.00	0.00
16	12.39	.31	.10	.12	.10	0.00	0.00
17	15.14	.45	.13	.16	.12	0.00	0.00
18	9.02	.31	.12	.11	.10	0.00	0.00
19	9.25	.37	.12	.15	.10	0.00	0.00
20	11.84	.35	.14	.18	.14	0.00	.02
21	11.07	.36	.13	.13	.09	0.00	.02
22	8.78	.34	.12	.14	.10	0.00	.03
23	9.93	.45	.14	.18	.13	0.00	.05
24	10.06	.48	.17	.19	.15	0.00	.05
25	8.89	.21	.09	.10	.07	0.00	0.00
26	9.02	.26	.11	.11	.09	0.00	0.00
27	10.17	.47	.17	.19	.15	0.00	.05
28	10.20	.52	.18	.25	.17	0.00	.05
29	14.39	.57	.26	.27	.19	0.00	.02
30	8.84	.25	.08	.13	.09	0.00	.02
31	8.78	.30	.13	.13	.10	0.00	0.00
32	9.34	.33	.14	.15	.15	.10	0.00
33	8.84	.28	.10	.13	.08	0.00	0.00
34	14.28	.54	.23	.22	.20	.02	.08
35	9.25	.33	.10	.19	.11	0.00	.02
36	8.88	.22	.08	.09	.09	0.00	0.00

DEADMAN'S CREEK LINE-D

SUMS AND RATIOS

Sample #	Sum C1-C4	Sum C2-C4	Ethane/ Ethene	Propane/ Propene	Percent Methane	Ethane Ratio	Propane Ratio	Percent Wetness
1	15.09	.92	1.95	1.15	93.90	34.56	10.59	6.10
2	13.92	.80	2.60	1.67	94.25	33.64	11.43	5.75
3	9.26	.56	3.22	2.20	93.95	30.00	12.64	6.05
4	9.81	.72	3.60	1.67	92.66	25.25	16.50	7.34
5	9.12	.52	3.00	1.25	94.30	35.83	11.63	5.70
6	8.66	.46	3.29	1.29	94.69	35.65	10.98	5.31
7	9.15	.62	3.20	1.50	93.22	26.66	14.07	6.78
8	9.11	.58	3.22	1.22	93.63	29.41	12.90	6.37
9	17.03	.83	3.31	1.27	95.13	37.67	8.64	4.87
10	24.58	1.51	5.44	1.05	93.86	26.52	9.97	6.14
11	10.70	.85	3.38	1.89	92.06	22.39	17.26	7.94
12	29.16	1.95	4.04	1.60	93.31	24.96	11.76	6.69
13	20.48	1.40	3.41	1.67	93.16	25.44	13.10	6.84
14	13.82	.86	2.56	1.70	93.78	31.61	13.12	6.22
15	11.34	.53	3.38	1.57	95.33	40.04	10.18	4.67
16	13.02	.63	3.10	1.20	95.16	39.97	9.69	4.84
17	16.00	.86	3.46	1.33	94.63	33.64	10.57	5.38
18	9.66	.64	2.58	1.10	93.37	29.10	12.20	6.63
19	9.99	.74	3.08	1.50	92.59	25.00	16.22	7.41
20	12.67	.83	2.50	1.29	93.45	33.83	15.20	6.55
21	11.80	.73	2.77	1.44	93.81	30.75	11.74	6.19
22	9.51	.73	2.83	1.40	92.32	25.82	15.95	7.68
23	10.88	.95	3.21	1.38	91.27	22.07	18.13	8.73
24	11.10	1.04	2.82	1.27	90.63	20.96	18.89	9.37
25	9.36	.47	2.33	1.43	94.98	42.33	11.25	5.02
26	9.59	.57	2.36	1.22	94.06	34.69	12.20	5.94
27	11.20	1.03	2.76	1.27	90.80	21.64	18.68	9.20
28	11.37	1.17	2.89	1.47	89.71	19.62	24.51	10.29
29	15.70	1.31	2.19	1.42	91.66	25.25	18.76	8.34
30	9.41	.57	3.13	1.44	93.94	35.36	14.71	6.06
31	9.44	.66	2.31	1.30	93.01	29.27	14.81	6.99
32	10.21	.87	2.36	1.00	91.48	28.30	16.06	8.52
33	9.43	.59	2.80	1.63	93.74	31.57	14.71	6.26
34	15.57	1.29	2.35	1.10	91.71	26.44	15.41	8.29
35	10.00	.75	3.30	1.73	92.50	28.03	20.54	7.50
36	9.36	.48	2.75	1.00	94.87	40.36	10.14	5.13

RECON EXPLORATION (AUST) Pty Ltd
South Australia Field Laboratory
August, 1987



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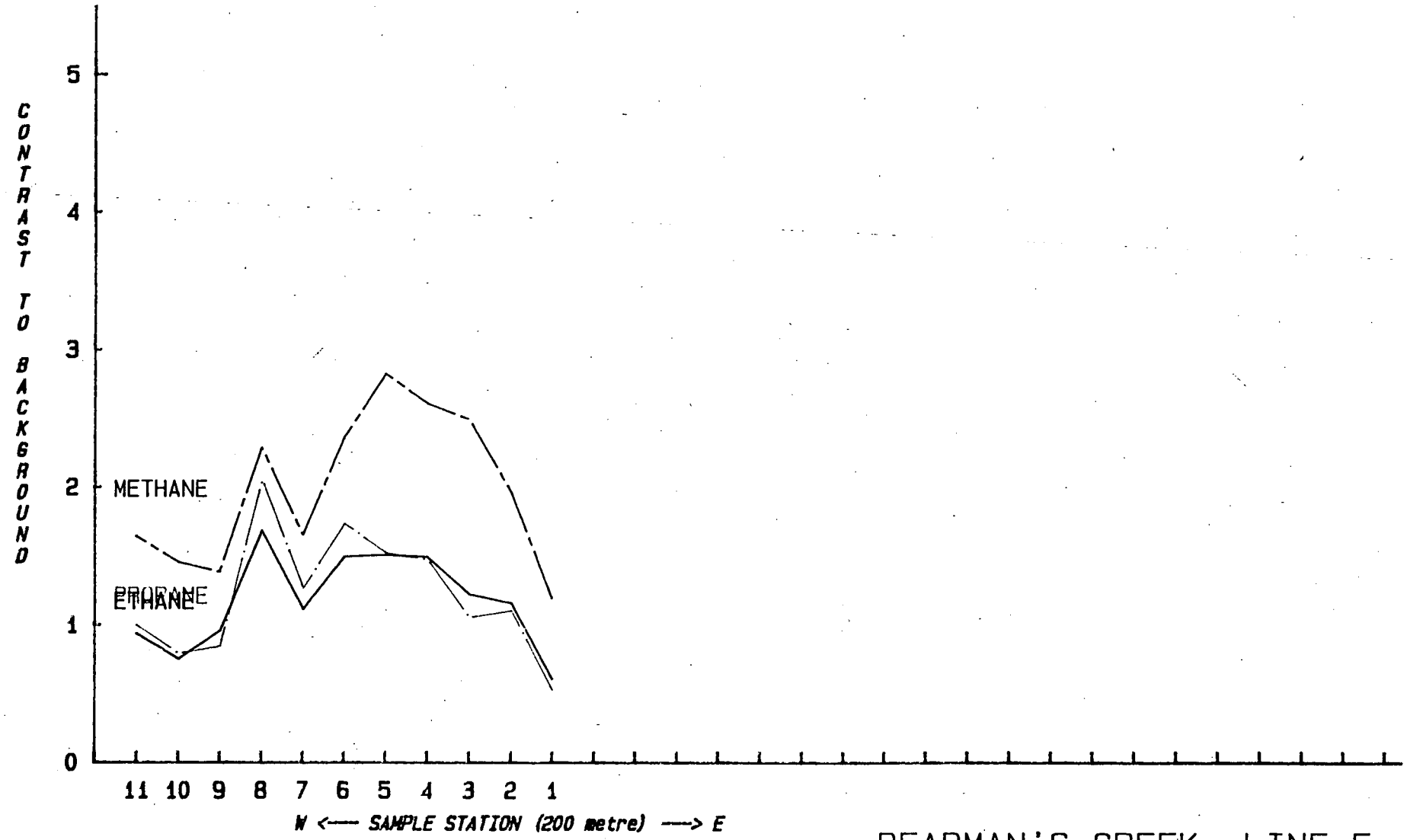
ADELAIDE, S. AUSTRALIA

DEADMAN'S CREEK, LINE-E

PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G.



RECON EXPLORATION (AUSTRALIA) PTY LTD
ADELAIDE, S. AUSTRALIA

DEADMAN'S CREEK, LINE-E

PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G

BERTOIL HOLDING CORPORATION A.G.
DEADMAN'S CREEK LINE-E

DATA SUMMARY TABLE

Sample #	Methane	Ethane	Ethene	Propane	Propene	i-Butane	n-Butane
1	20.18	.38	.08	.10	.08	0.00	0.00
2	33.19	.73	.12	.21	.11	0.00	.02
3	42.13	.77	.17	.20	.13	0.00	.02
4	44.10	.94	.16	.28	.16	0.00	.07
5	47.73	.95	.18	.29	.15	0.00	.03
6	39.84	.94	.21	.33	.18	0.00	.05
7	27.89	.70	.15	.24	.11	0.00	.06
8	38.64	1.06	.17	.39	.16	0.00	.09
9	23.38	.60	.17	.16	.11	0.00	.02
10	24.60	.47	.08	.15	.06	0.00	.02
11	27.78	.59	.10	.19	.09	0.00	.02

SUMS AND RATIOS

Sample #	Sum C1-C4	Sum C2-C4	Ethane/ Ethene	Propane/ Propene	Percent Methane	Ethane Ratio	Propane Ratio	Percent Wetness
1	20.82	.64	4.75	1.25	96.93	53.11	4.96	3.07
2	34.38	1.19	6.08	1.91	96.54	45.47	6.33	3.46
3	43.42	1.29	4.53	1.54	97.03	54.71	4.75	2.97
4	45.71	1.61	5.88	1.75	96.48	46.91	6.35	3.52
5	49.33	1.60	5.28	1.93	96.76	50.24	6.08	3.24
6	41.55	1.71	4.48	1.83	95.88	42.38	8.28	4.12
7	29.15	1.26	4.67	2.18	95.68	39.84	8.61	4.32
8	40.51	1.87	6.24	2.44	95.38	36.45	10.09	4.62
9	24.44	1.06	3.53	1.45	95.66	38.97	6.84	4.34
10	25.38	.78	5.88	2.50	96.93	52.34	6.10	3.07
11	28.77	.99	5.90	2.11	96.56	47.08	6.84	3.44

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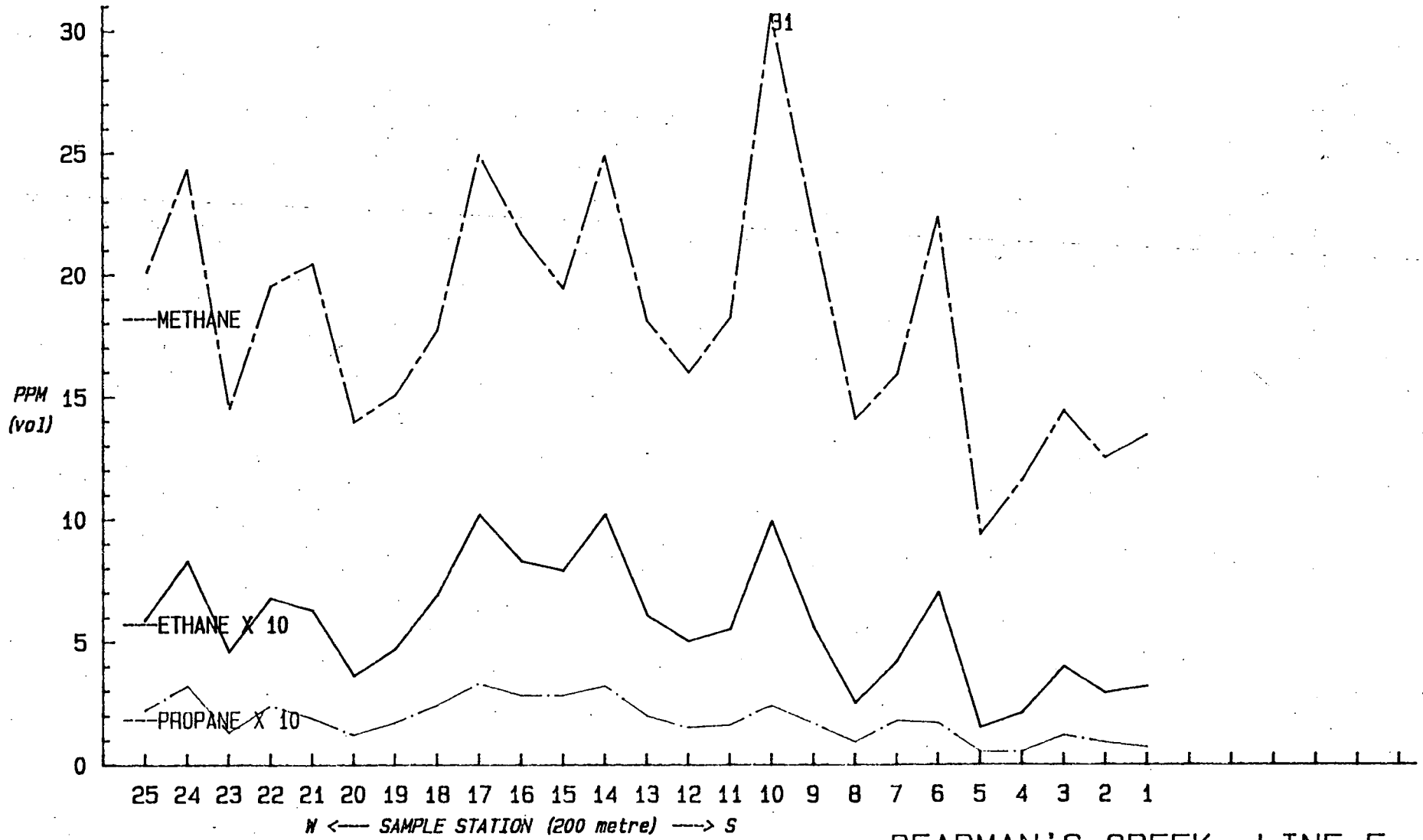
August, 1987



DEADMAN'S CREEK, LINE-F

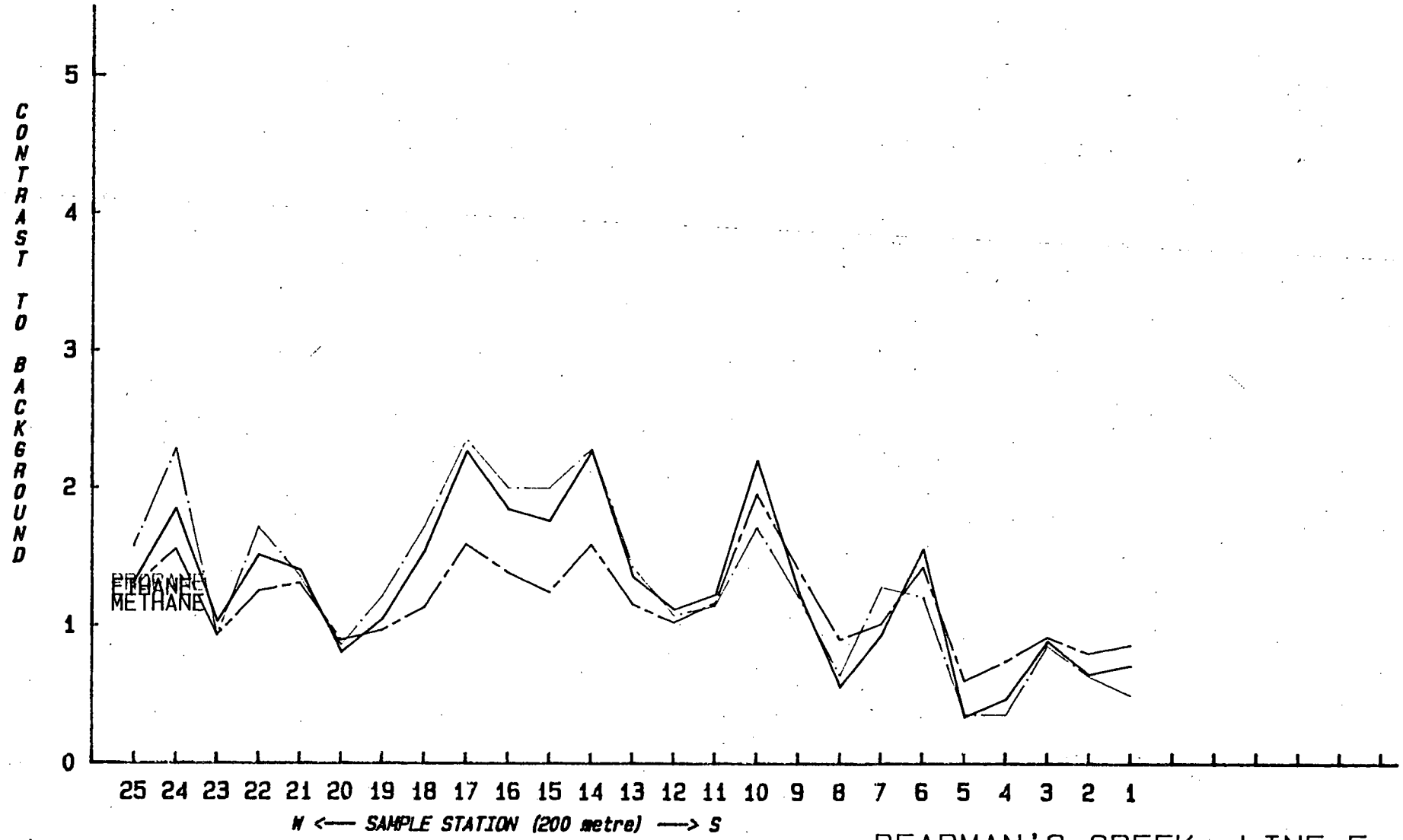
PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G.

RECON EXPLORATION (AUSTRALIA) PTY LTD

ADELAIDE, S. AUSTRALIA



DEADMAN'S CREEK, LINE-F

PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G

RECON EXPLORATION (AUSTRALIA) PTY LTD

ADELAIDE, S. AUSTRALIA

BERTOIL HOLDING CORPORATION A.G.
DEADMAN'S CREEK LINE-F

DATA SUMMARY TABLE

Sample #	Methane	Ethane	Ethene	Propane	Propene	i-Butane	n-Butane
1	13.42	.32	.06	.07	.02	0.00	0.00
2	12.47	.29	.04	.09	.02	0.00	0.00
3	14.40	.40	.08	.12	.04	0.00	0.00
4	11.58	.21	.04	.05	.02	0.00	0.00
5	9.33	.15	.04	.05	.02	0.00	0.00
6	22.33	.70	.15	.17	.12	0.00	.02
7	15.86	.42	.09	.18	.07	0.00	.02
8	14.03	.25	.10	.09	.05	0.00	0.00
9	22.04	.56	.16	.17	.13	0.00	.02
10	30.62	.99	.24	.24	.16	0.00	.03
11	18.19	.55	.13	.16	.10	0.00	.02
12	15.95	.50	.20	.15	.11	0.00	0.00
13	18.10	.61	.13	.20	.13	0.00	.03
14	24.86	1.02	.25	.32	.18	0.00	.10
15	19.40	.79	.17	.28	.15	0.00	.06
16	21.69	.83	.21	.28	.12	0.00	.07
17	24.92	1.02	.27	.33	.20	0.00	.07
18	17.69	.69	.17	.24	.13	0.00	.06
19	15.06	.47	.12	.17	.08	0.00	.04
20	13.94	.36	.07	.12	.07	0.00	.03
21	20.44	.63	.12	.19	.09	0.00	.05
22	19.51	.68	.16	.24	.11	0.00	.02
23	14.48	.46	.12	.13	.08	0.00	.03
24	24.32	.83	.18	.32	.16	0.00	.09
25	19.91	.59	.13	.22	.13	0.00	.06

DEADMAN'S CREEK LINE-F

SUMS AND RATIOS

Sample #	Sum C1-C4	Sum C2-C4	Ethane/ Ethene	Propane/ Propene	Percent Methane	Ethane Ratio	Propane Ratio	Percent Wetness
1	13.89	.47	5.33	3.50	96.62	41.94	5.22	3.38
2	12.91	.44	7.25	4.50	96.59	43.00	7.22	3.41
3	15.04	.64	5.00	3.00	95.74	36.00	8.33	4.26
4	11.90	.32	5.25	2.50	97.31	55.14	4.32	2.69
5	9.59	.26	3.75	2.50	97.29	62.20	5.36	2.71
6	23.49	1.16	4.67	1.42	95.06	31.90	7.61	4.94
7	16.64	.78	4.67	2.57	95.31	37.76	11.35	4.69
8	14.52	.49	2.50	1.80	96.63	56.12	6.41	3.37
9	23.08	1.04	3.50	1.31	95.49	39.36	7.71	4.51
10	32.28	1.66	4.13	1.50	94.86	30.93	7.84	5.14
11	19.15	.96	4.23	1.60	94.99	33.07	8.80	5.01
12	16.91	.96	2.50	1.36	94.32	31.90	9.40	5.68
13	19.20	1.10	4.69	1.54	94.27	29.67	11.05	5.73
14	26.73	1.87	4.08	1.78	93.00	24.37	12.87	7.00
15	20.85	1.45	4.65	1.87	93.05	24.56	14.43	6.95
16	23.20	1.51	3.95	2.33	93.49	26.13	12.91	6.51
17	26.81	1.89	3.78	1.65	92.95	24.43	13.24	7.05
18	18.98	1.29	4.06	1.85	93.20	25.64	13.57	6.80
19	15.94	.88	3.92	2.13	94.48	32.04	11.29	5.52
20	14.59	.65	5.14	1.71	95.54	38.72	8.51	4.46
21	21.52	1.08	5.25	2.11	94.98	32.44	9.30	5.02
22	20.72	1.21	4.25	2.18	94.16	28.69	12.30	5.84
23	15.30	.92	3.83	1.63	94.64	31.48	8.99	5.36
24	25.90	1.59	4.61	2.00	93.90	29.30	13.16	6.10
25	21.04	1.13	4.54	1.69	94.63	33.75	11.05	5.37

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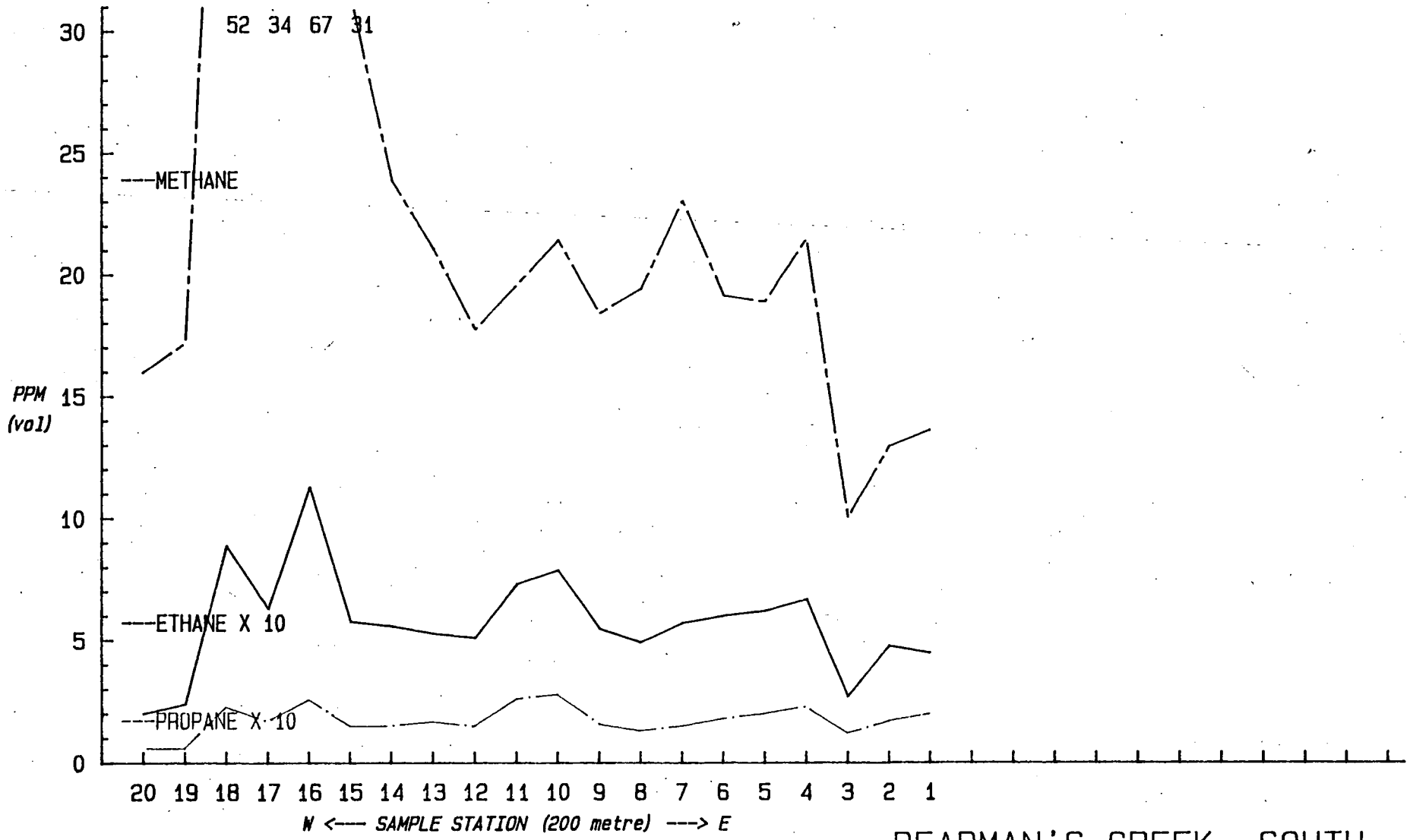
August, 1987



DEADMAN'S CREEK, SOUTH

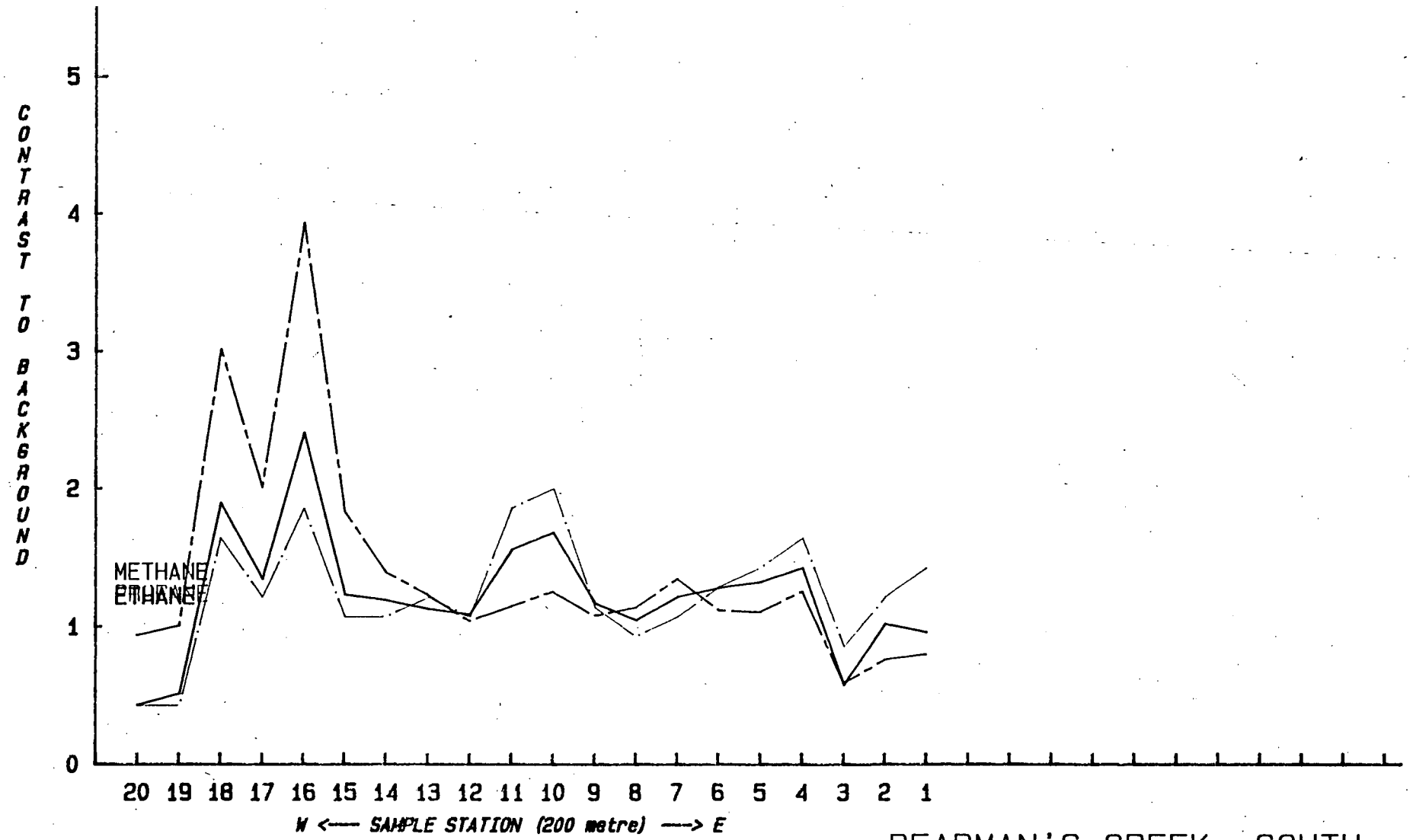
PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G.

RECON EXPLORATION (AUSTRALIA) PTY LTD

ADELAIDE, S. AUSTRALIA



RECON EXPLORATION (AUSTRALIA) PTY LTD
ADELAIDE, S. AUSTRALIA

DEADMAN'S CREEK, SOUTH

PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G

BERTOIL HOLDING CORPORATION A.G.
DEADMAN'S CREEK SOUTH

DATA SUMMARY TABLE

Sample #	Methane	Ethane	Ethene	Propane	Propene	i-Butane	n-Butane
1	13.66	.45	.07	.20	.05	.05	.08
2	12.96	.48	.10	.17	.07	0.00	0.00
3	10.03	.27	.05	.12	.04	0.00	.02
4	21.48	.67	.14	.23	.10	0.00	.05
5	18.89	.62	.15	.20	.10	0.00	.02
6	19.16	.60	.12	.18	.09	0.00	.02
7	23.05	.57	.10	.15	.06	0.00	.02
8	19.43	.49	.10	.13	.06	0.00	.01
9	18.40	.55	.11	.16	.07	0.00	.03
10	21.45	.79	.17	.28	.17	0.00	.09
11	19.58	.73	.16	.26	.11	0.00	.07
12	17.76	.51	.08	.15	.07	0.00	0.00
13	21.10	.53	.11	.17	.10	0.00	.02
14	23.88	.56	.12	.15	.09	0.00	.02
15	31.40	.58	.13	.15	.10	0.00	.03
16	67.33	1.13	.22	.26	.13	0.00	.03
17	34.31	.63	.12	.17	.10	0.00	.02
18	51.63	.89	.17	.23	.14	0.00	.04
19	17.19	.24	.05	.06	.03	0.00	0.00
20	15.99	.20	.04	.06	.03	0.00	0.00

SUMS AND RATIOS

Sample #	Sum C1-C4	Sum C2-C4	Ethane/ Ethene	Propane/ Propene	Percent Methane	Ethane Ratio	Propane Ratio	Percent Wetness
1	14.56	.90	6.43	4.00	93.82	30.36	14.64	6.18
2	13.78	.82	4.80	2.43	94.05	27.00	13.12	5.95
3	10.53	.50	5.40	3.00	95.25	37.15	11.96	4.75
4	22.67	1.19	4.79	2.30	94.75	32.06	10.71	5.25
5	19.98	1.09	4.13	2.00	94.54	30.47	10.59	5.46
6	20.17	1.01	5.00	2.00	94.99	31.93	9.39	5.01
7	23.95	.90	5.70	2.50	96.24	40.44	6.51	3.76
8	20.22	.79	4.90	2.17	96.09	39.65	6.69	3.91
9	19.32	.92	5.00	2.29	95.24	33.45	8.70	4.76
10	22.95	1.50	4.65	1.65	93.46	27.15	13.05	6.54
11	20.91	1.33	4.56	2.36	93.64	26.82	13.28	6.36
12	18.57	.81	6.38	2.14	95.64	34.82	8.45	4.36
13	22.03	.93	4.82	1.70	95.78	39.81	8.06	4.22
14	24.82	.94	4.67	1.67	96.21	42.64	6.28	3.79
15	32.39	.99	4.46	1.50	96.94	54.14	4.78	3.06
16	69.10	1.77	5.14	2.00	97.44	59.58	3.86	2.56
17	35.35	1.04	5.25	1.70	97.06	54.46	4.95	2.94
18	53.10	1.47	5.24	1.64	97.23	58.01	4.45	2.77
19	17.57	.38	4.80	2.00	97.84	71.63	3.48	2.16
20	16.32	.33	5.00	2.00	97.98	79.95	3.75	2.02

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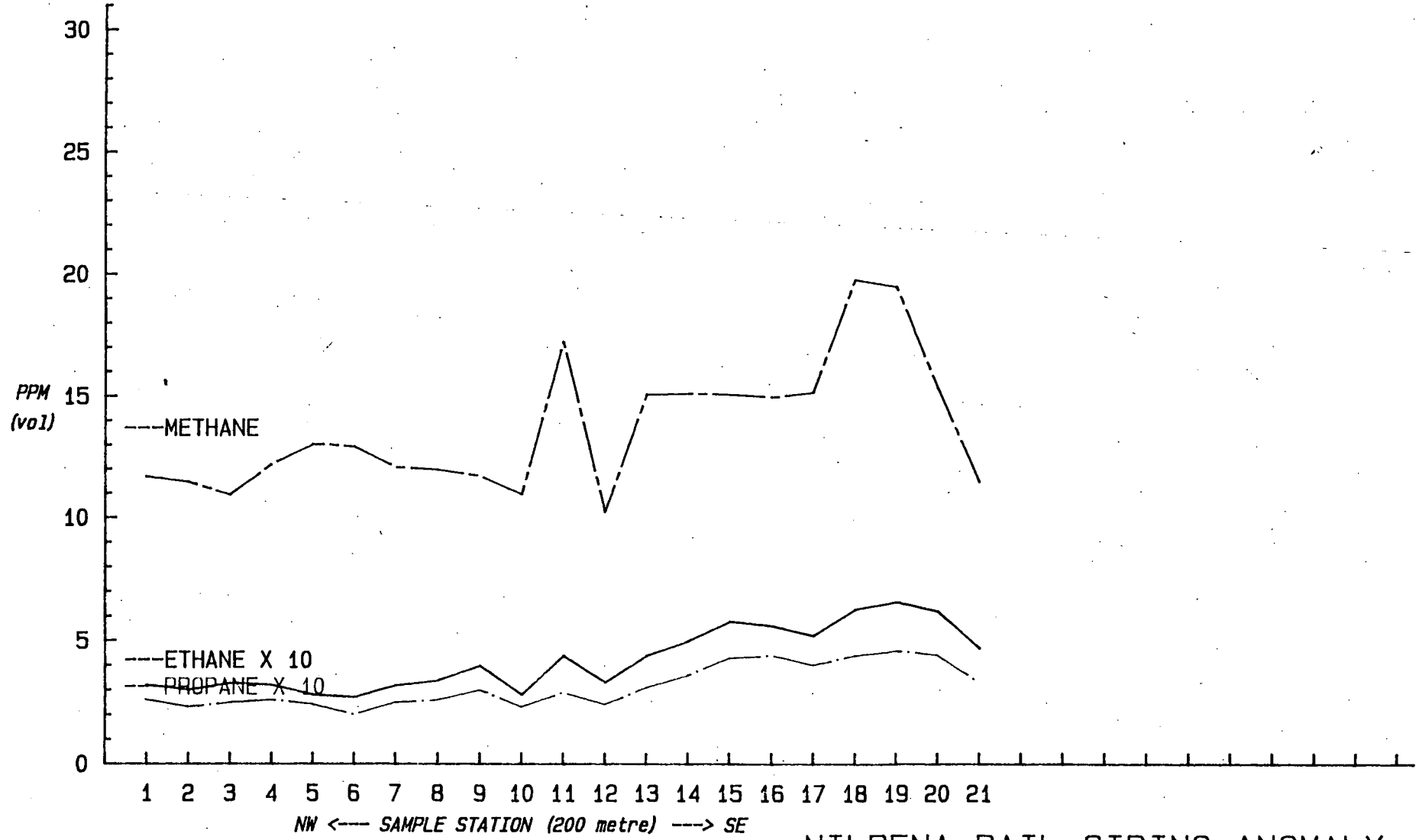


NILPENA RAIL SIDING ANOMALY

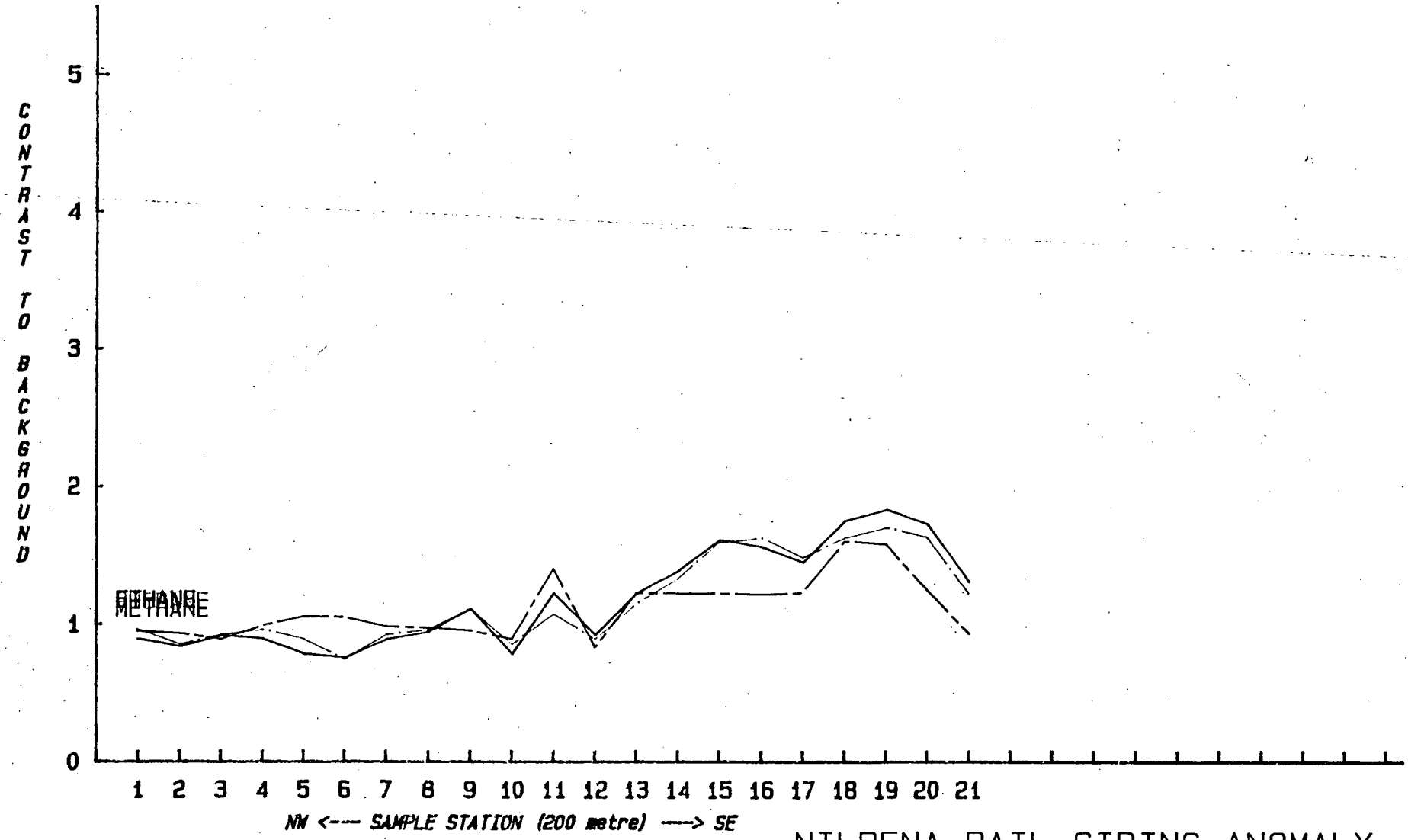
PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G.

RECON EXPLORATION (AUSTRALIA) PTY LTD

ADELAIDE, S. AUSTRALIA



NILPENA RAIL SIDING ANOMALY

PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G

RECON EXPLORATION (AUSTRALIA) PTY LTD

ADELAIDE, S. AUSTRALIA

BERTOIL HOLDING CORPORATION A.G.
NILPENA RAIL SIDING

DATA SUMMARY TABLE

Sample #	Methane	Ethane	Ethene	Propane	Propene	i-Butane	n-Butane
1	11.72	.32	.20	.26	.15	0.00	.02
2	11.48	.30	.18	.23	.13	0.00	.02
3	10.94	.33	.19	.25	.10	0.00	.04
4	12.24	.32	.21	.26	.17	0.00	.08
5	13.06	.28	.19	.24	.12	0.00	.02
6	12.93	.27	.18	.20	.11	0.00	.02
7	12.08	.32	.19	.25	.15	0.00	.03
8	11.98	.34	.19	.26	.13	0.00	.05
9	11.72	.40	.16	.30	.14	0.00	.08
10	10.95	.28	.15	.23	.14	0.00	.08
11	17.26	.44	.25	.29	.21	0.00	.08
12	10.23	.33	.14	.24	.12	0.00	.05
13	15.10	.44	.19	.31	.16	0.00	.10
14	15.14	.50	.21	.36	.19	0.00	.11
15	15.07	.58	.23	.43	.20	0.00	.10
16	14.97	.56	.19	.44	.16	0.00	.08
17	15.19	.52	.26	.40	.23	0.00	.13
18	19.78	.63	.22	.44	.40	0.00	.13
19	19.48	.66	.19	.46	.18	0.00	.14
20	15.36	.62	.19	.44	.21	0.00	.13
21	11.49	.47	.14	.33	.14	0.00	.05

SUMS AND RATIOS

Sample #	Sum C1-C4	Sum C2-C4	Ethane/ Ethene	Propane/ Propene	Percent Methane	Ethane Ratio	Propane Ratio	Percent Wetness
1	12.67	.95	1.60	1.73	92.50	36.63	22.18	7.50
2	12.34	.86	1.67	1.77	93.03	38.27	20.03	6.97
3	11.85	.91	1.74	2.50	92.32	33.15	22.85	7.68
4	13.28	1.04	1.52	1.53	92.17	38.25	21.24	7.83
5	13.91	.85	1.47	2.00	93.89	46.64	18.38	6.11
6	13.71	.78	1.50	1.82	94.31	47.89	15.47	5.69
7	13.02	.94	1.68	1.67	92.78	37.75	20.70	7.22
8	12.95	.97	1.79	2.00	92.51	35.24	21.70	7.49
9	12.80	1.08	2.50	2.14	91.56	29.30	25.60	8.44
10	11.83	.88	1.87	1.64	92.56	39.11	21.00	7.44
11	18.53	1.27	1.76	1.38	93.15	39.23	16.80	6.85
12	11.11	.88	2.36	2.00	92.08	31.00	23.46	7.92
13	16.30	1.20	2.32	1.94	92.64	34.32	20.53	7.36
14	16.51	1.37	2.38	1.89	91.70	30.28	23.78	8.30
15	16.61	1.54	2.52	2.15	90.73	25.98	28.53	9.27
16	16.40	1.43	2.95	2.75	91.28	26.73	29.39	8.72
17	16.73	1.54	2.00	1.74	90.79	29.21	26.33	9.21
18	21.60	1.82	2.86	1.10	91.57	31.40	22.24	8.43
19	21.11	1.63	3.47	2.56	92.28	29.52	23.61	7.72
20	16.95	1.59	3.26	2.10	90.62	24.77	28.65	9.38
21	12.62	1.13	3.36	2.36	91.05	24.45	28.72	8.95

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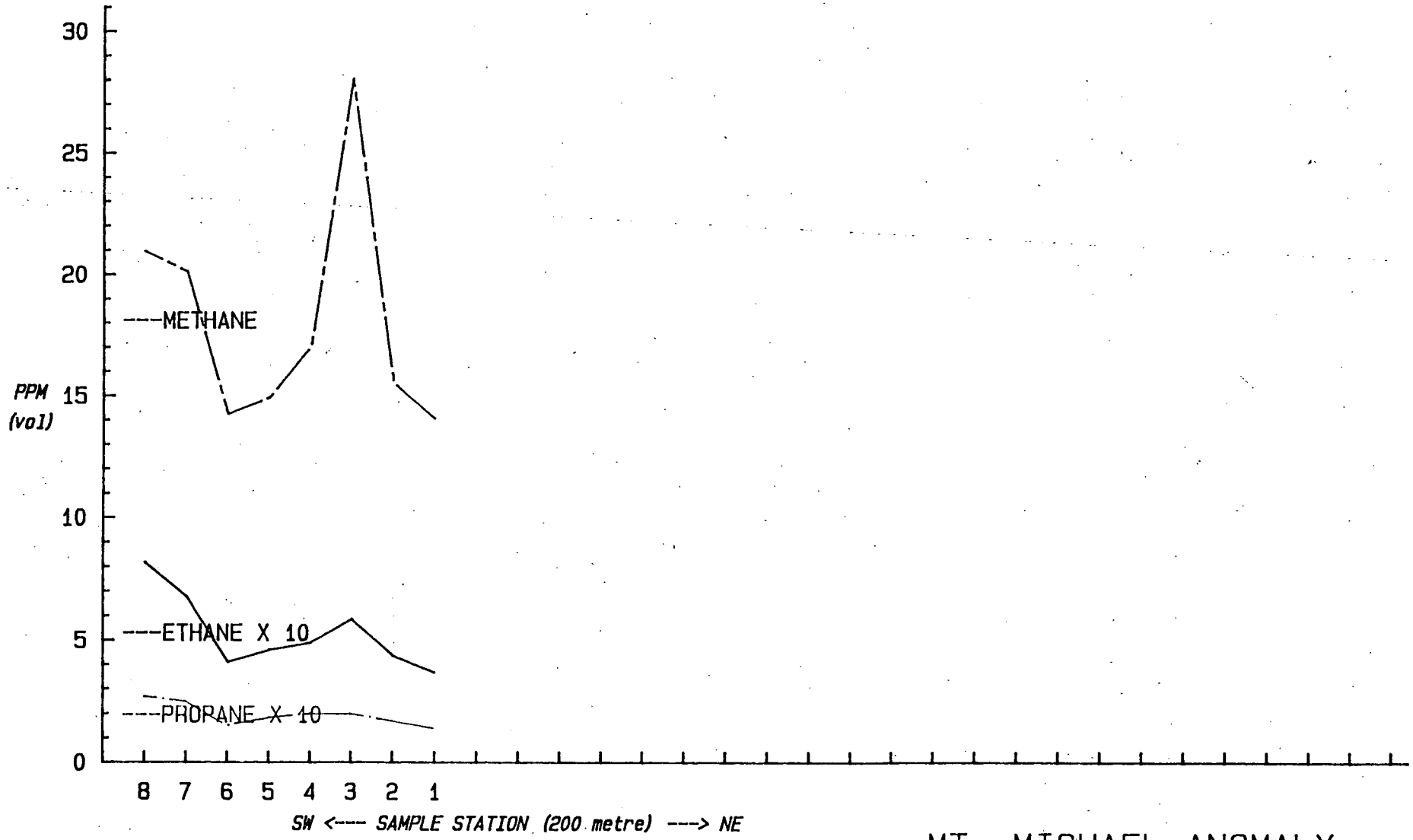

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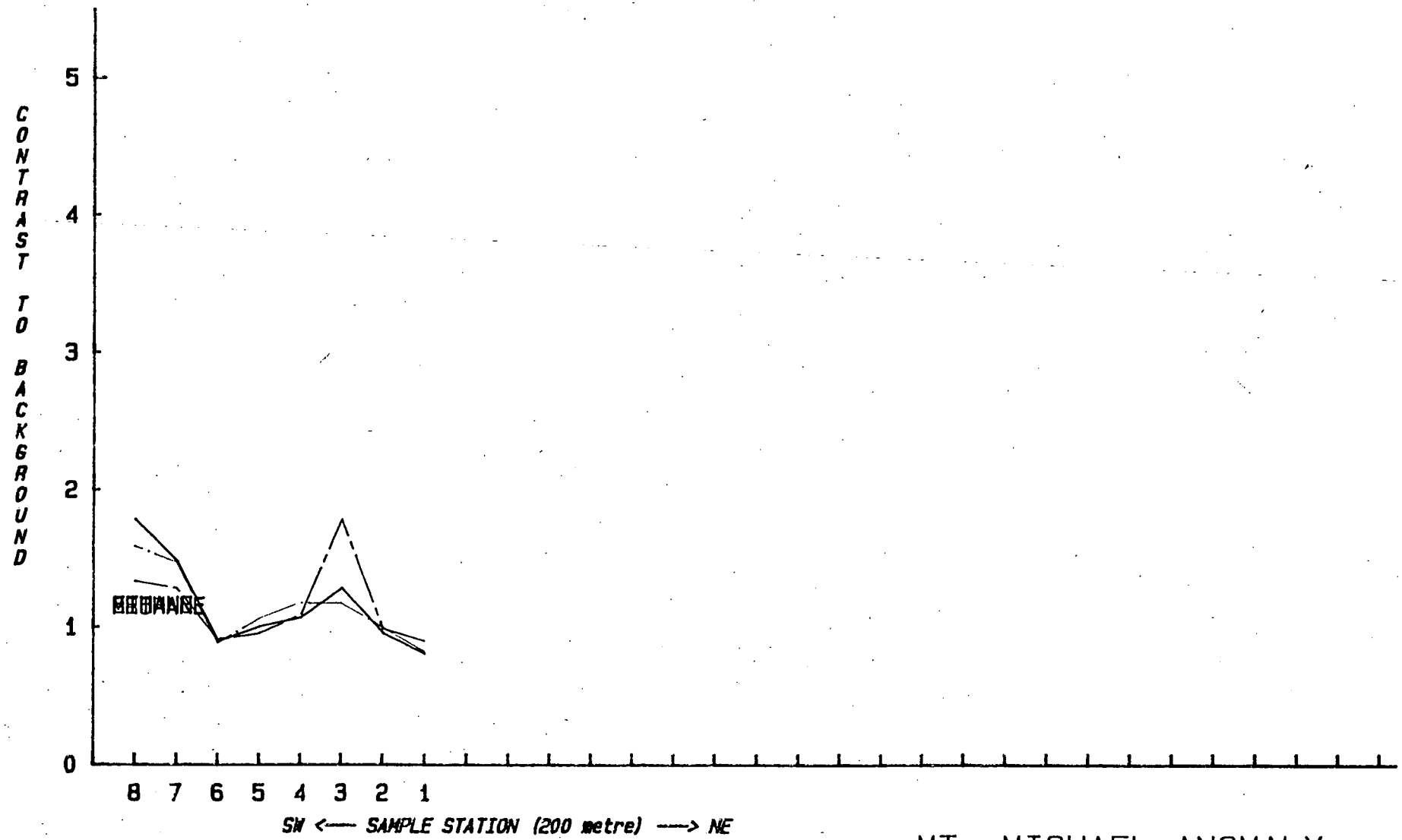
ADELAIDE, S. AUSTRALIA

MT. MICHAEL ANOMALY
PEL 36 - SOUTH AUSTRALIA
GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987
BERTOIL HOLDING CORPORATION A.G.



RECON EXPLORATION (AUSTRALIA) PTY LTD
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MT. MICHAEL ANOMALY
PEL 36 - SOUTH AUSTRALIA
GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987
BERTOIL HOLDING CORPORATION A.G

BERTOIL HOLDING CORPORATION A.G.
MT. MICHAEL ANOMALY

DATA SUMMARY TABLE

Sample #	Methane	Ethane	Ethene	Propane	Propene	i-Butane	n-Butane
1	14.10	.37	.09	.14	.06	0.00	.02
2	15.58	.44	.14	.17	.10	0.00	.02
3	28.07	.59	.10	.20	.07	0.00	.02
4	17.05	.49	.11	.20	.08	0.00	.06
5	14.94	.46	.09	.18	.07	0.00	.04
6	14.25	.41	.11	.15	.05	0.00	.04
7	20.16	.68	.21	.25	.15	0.00	.06
8	20.99	.82	.99	.27	.53	0.00	.05

SUMS AND RATIOS

Sample #	Sum C1-C4	Sum C2-C4	Ethane/ Ethene	Propane/ Propene	Percent Methane	Ethane Ratio	Propane Ratio	Percent Wetness
1	14.78	.68	4.11	2.33	95.40	38.11	9.93	4.60
2	16.45	.87	3.14	1.70	94.71	35.41	10.91	5.29
3	29.05	.98	5.90	2.86	96.63	47.58	7.13	3.37
4	17.99	.94	4.45	2.50	94.77	34.80	11.73	5.23
5	15.78	.84	5.11	2.57	94.68	32.48	12.05	5.32
6	15.01	.76	3.73	3.00	94.94	34.76	10.53	5.06
7	21.51	1.35	3.24	1.67	93.72	29.65	12.40	6.28
8	23.65	2.66	.83	.51	88.75	25.60	12.86	11.25

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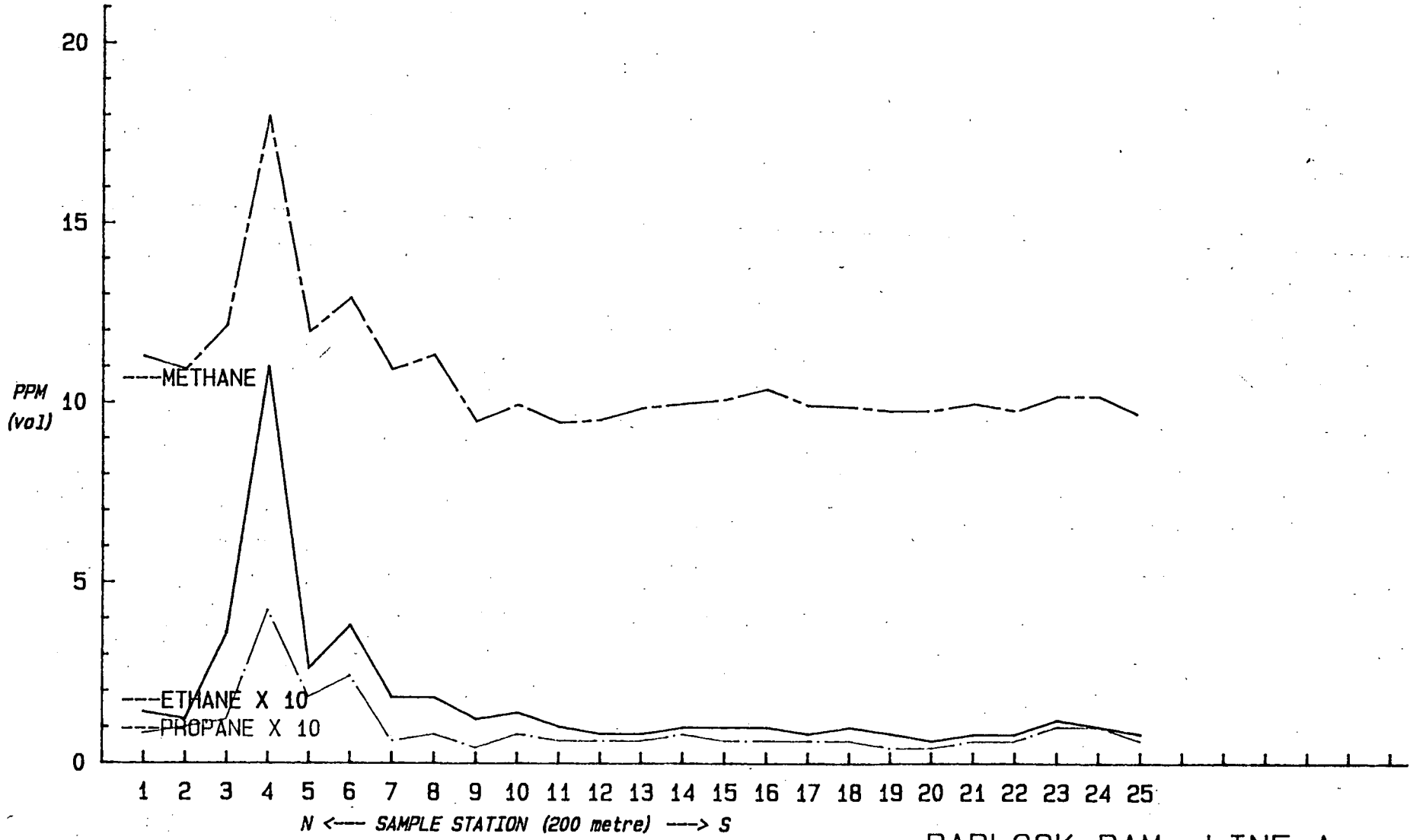
August, 1987



RECON EXPLORATION (AUSTRALIA) PTY LTD
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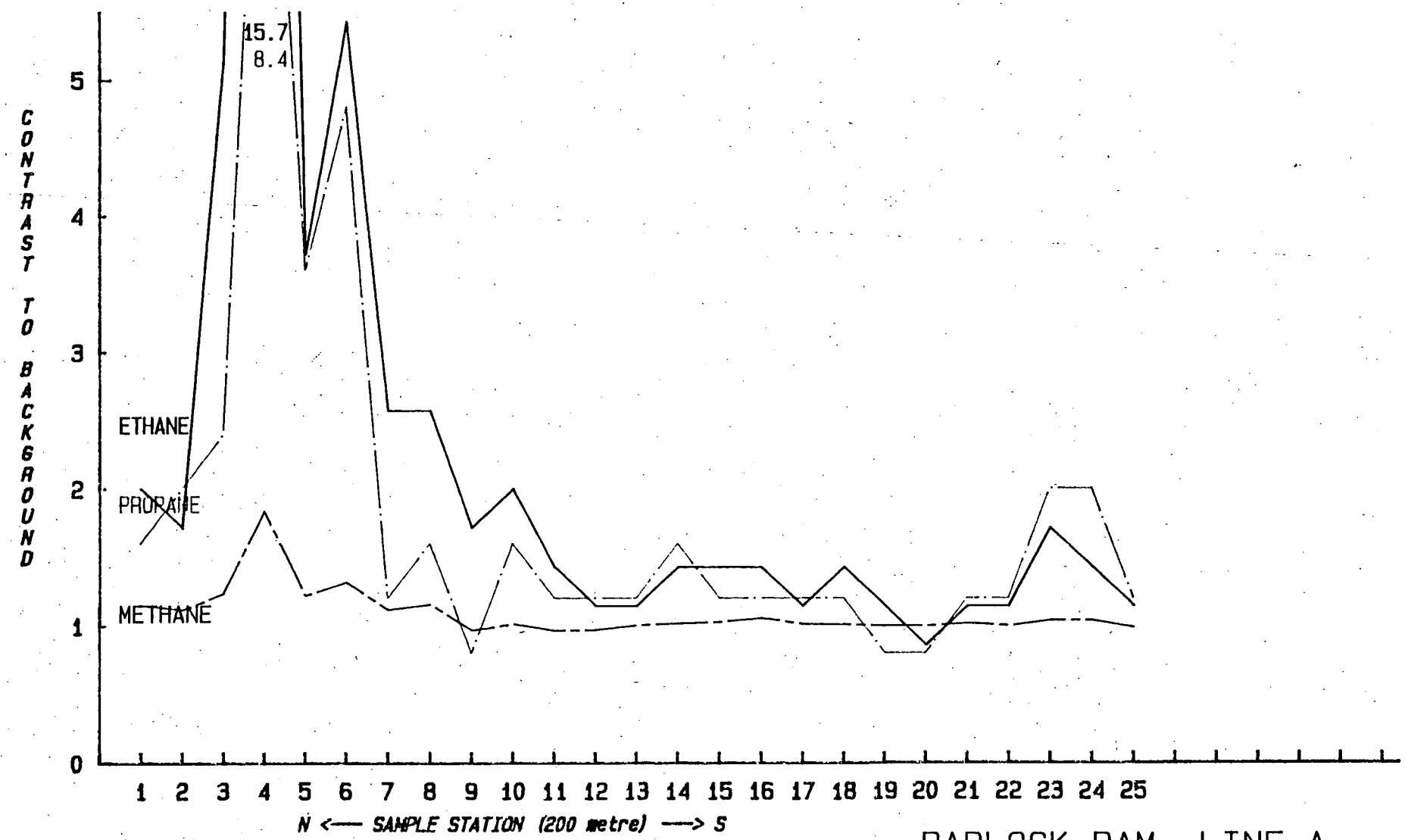
PADLOCK DAM, LINE-A
PEL 36 - SOUTH AUSTRALIA
GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987
BERTOIL HOLDING CORPORATION A.G.



RECON EXPLORATION (AUSTRALIA) PTY LTD
ADELAIDE, S. AUSTRALIA

PADLOCK DAM, LINE-A
PEL 36 - SOUTH AUSTRALIA
GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987
BERTOIL HOLDING CORPORATION A.G

BERTOIL HOLDING CORPORATION A.G.
PADLOCK DAM LINE-A

DATA SUMMARY TABLE

Sample #	Methane	Ethane	Ethene	Propane	Propene	i-Butane	n-Butane
1	11.27	.14	.10	.08	.06	0.00	0.00
2	10.90	.12	.08	.10	.06	0.00	0.00
3	12.13	.36	.16	.12	.08	0.00	0.00
4	17.95	1.10	.42	.42	.26	0.00	.10
5	11.94	.26	.18	.18	.08	0.00	0.00
6	12.89	.38	.16	.24	.10	0.00	.04
7	10.89	.18	.08	.06	.04	0.00	0.00
8	11.31	.18	.08	.08	.10	0.00	0.00
9	9.44	.12	.10	.04	.06	0.00	0.00
10	9.92	.14	.06	.08	.06	0.00	0.00
11	9.41	.10	.08	.06	.04	0.00	0.00
12	9.50	.08	.06	.06	.04	0.00	0.00
13	9.83	.08	.06	.06	.06	0.00	0.00
14	9.96	.10	.08	.08	.04	0.00	0.00
15	10.06	.10	.08	.06	.06	0.00	0.00
16	10.36	.10	.04	.06	.04	0.00	0.00
17	9.89	.08	.06	.06	.04	0.00	0.00
18	9.85	.10	.06	.06	.04	0.00	0.00
19	9.73	.08	.06	.04	.04	0.00	0.00
20	9.76	.06	.04	.04	.02	0.00	0.00
21	9.96	.08	.04	.06	.06	0.00	0.00
22	9.74	.08	.06	.06	.06	0.00	0.00
23	10.17	.12	.10	.10	.06	0.00	0.00
24	10.16	.10	.06	.10	.08	0.00	0.00
25	9.61	.08	.06	.06	.04	0.00	0.00

PADLOCK DAM LINE-A

SUMS AND RATIOS

Sample #	Sum C1-C4	Sum C2-C4	Ethane/ Ethene	Propane/ Propene	Percent Methane	Ethane Ratio	Propane Ratio	Percent Wetness
1	11.65	.38	1.40	1.33	96.74	80.50	7.10	3.26
2	11.26	.36	1.50	1.67	96.80	90.83	9.17	3.20
3	12.85	.72	2.25	1.50	94.40	33.69	9.89	5.60
4	20.25	2.30	2.62	1.62	88.64	16.32	23.40	11.36
5	12.64	.70	1.44	2.25	94.46	45.92	15.08	5.54
6	13.81	.92	2.38	2.40	93.34	33.92	18.62	6.66
7	11.25	.36	2.25	1.50	96.80	60.50	5.51	3.20
8	11.75	.44	2.25	.80	96.26	62.83	7.07	3.74
9	9.76	.32	1.20	.67	96.72	78.67	4.24	3.28
10	10.26	.34	2.33	1.33	96.69	70.86	8.06	3.31
11	9.69	.28	1.25	1.50	97.11	94.10	6.38	2.89
12	9.74	.24	1.33	1.50	97.54	118.75	6.32	2.46
13	10.09	.26	1.33	1.00	97.42	122.88	6.10	2.58
14	10.26	.30	1.25	2.00	97.08	99.60	8.03	2.92
15	10.36	.30	1.25	1.00	97.10	100.60	5.96	2.90
16	10.60	.24	2.50	1.50	97.74	103.60	5.79	2.26
17	10.13	.24	1.33	1.50	97.63	123.63	6.07	2.37
18	10.11	.26	1.67	1.50	97.43	98.50	6.09	2.57
19	9.95	.22	1.33	1.00	97.79	121.63	4.11	2.21
20	9.92	.16	1.50	2.00	98.39	162.67	4.10	1.61
21	10.20	.24	2.00	1.00	97.65	124.50	6.02	2.35
22	10.00	.26	1.33	1.00	97.40	121.75	6.16	2.60
23	10.55	.38	1.20	1.67	96.40	84.75	9.83	3.60
24	10.50	.34	1.67	1.25	96.76	101.60	9.84	3.24
25	9.85	.24	1.33	1.50	97.56	120.13	6.24	2.44

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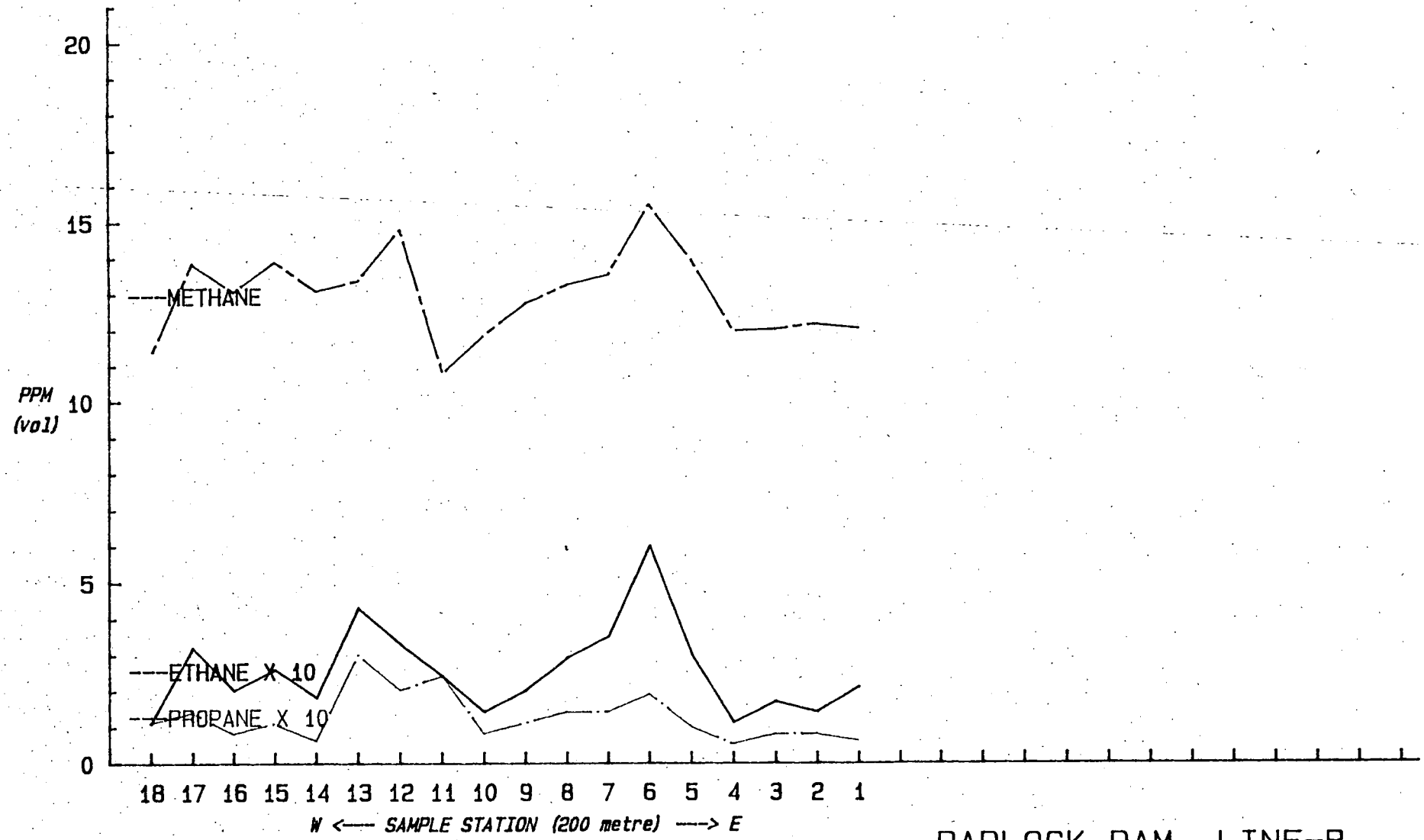


RECON EXPLORATION (AUSTRALIA) PTY LTD

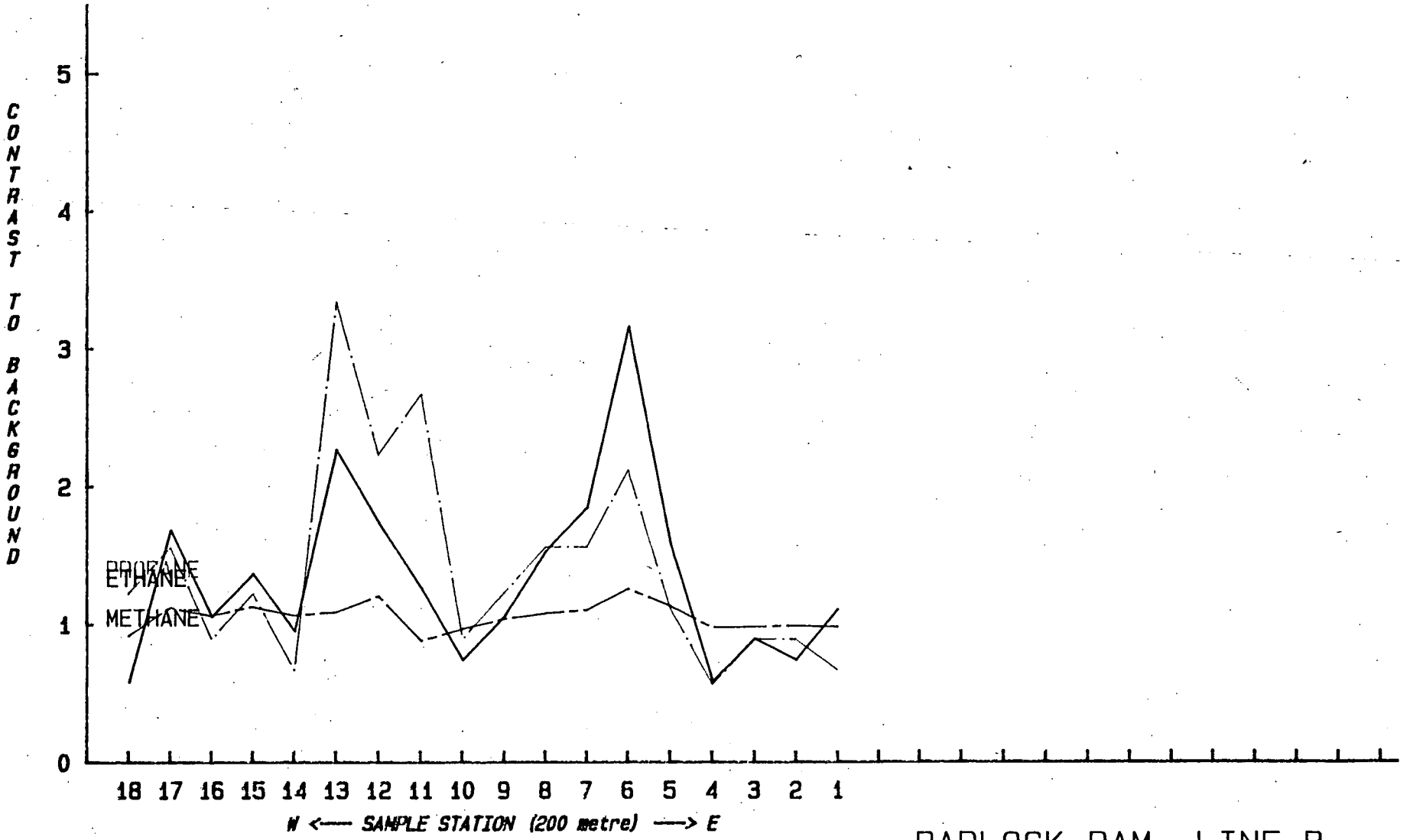
ADELAIDE, S. AUSTRALIA

PADLOCK DAM, LINE-B

PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G.



PADLOCK DAM, LINE-B

PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G

RECON EXPLORATION (AUSTRALIA) PTY LTD

ADELAIDE, S. AUSTRALIA

BERTOIL HOLDING CORPORATION A.G.
PADLOCK DAM LINE-B

DATA SUMMARY TABLE

Sample #	Methane	Ethane	Ethene	Propane	Propene	i-Butane	n-Butane
1	12.03	.21	.10	.06	.05	0.00	.02
2	12.15	.14	.05	.08	.12	0.00	.02
3	11.99	.17	.07	.08	.09	0.00	.02
4	11.95	.11	.04	.05	.06	0.00	.02
5	13.94	.30	.15	.10	.13	0.00	.03
6	15.47	.60	.30	.19	.22	0.00	.05
7	13.51	.35	.15	.14	.17	0.00	.04
8	13.23	.29	.15	.14	.17	0.00	.05
9	12.71	.20	.12	.11	.11	0.00	.03
10	11.84	.14	.04	.08	.07	0.00	0.00
11	10.77	.24	.11	.24	.13	0.00	.02
12	14.78	.33	.15	.20	.14	0.00	.02
13	13.34	.43	.47	.30	.23	0.00	.05
14	13.07	.18	.10	.06	.09	0.00	.02
15	13.89	.26	.15	.11	.13	0.00	.02
16	13.04	.20	.12	.08	.14	0.00	0.00
17	13.83	.32	.21	.14	.19	0.00	.05
18	11.27	.11	.06	.11	.09	0.00	0.00

SUMS AND RATIOS

Sample #	Sum C1-C4	Sum C2-C4	Ethane/ Ethene	Propane/ Propene	Percent Methane	Ethane Ratio	Propane Ratio	Percent Wetness
1	12.47	.44	2.10	1.20	96.47	57.29	4.99	3.53
2	12.56	.41	2.80	.67	96.73	86.75	6.59	3.27
3	12.42	.43	2.43	.89	96.54	70.50	6.68	3.46
4	12.23	.28	2.75	.83	97.71	108.59	4.19	2.29
5	14.65	.71	2.00	.77	95.15	46.47	7.17	4.85
6	16.83	1.36	2.00	.86	91.92	25.78	12.28	8.08
7	14.36	.85	2.33	.82	94.08	38.60	10.36	5.92
8	14.03	.80	1.93	.82	94.30	45.62	10.58	5.70
9	13.28	.57	1.67	1.00	95.71	63.55	8.65	4.29
10	12.17	.33	3.50	1.14	97.29	84.54	6.76	2.71
11	11.51	.74	2.18	1.85	93.57	44.88	22.28	6.43
12	15.62	.84	2.20	1.43	94.62	44.79	13.53	5.38
13	14.82	1.48	.91	1.30	90.01	31.02	22.49	9.99
14	13.52	.45	1.80	.67	96.67	72.58	4.59	3.33
15	14.56	.67	1.73	.85	95.40	53.42	7.92	4.60
16	13.58	.54	1.67	.57	96.02	65.18	6.14	3.98
17	14.74	.91	1.52	.74	93.83	43.22	10.12	6.17
18	11.64	.37	1.83	1.22	96.82	102.41	9.76	3.18

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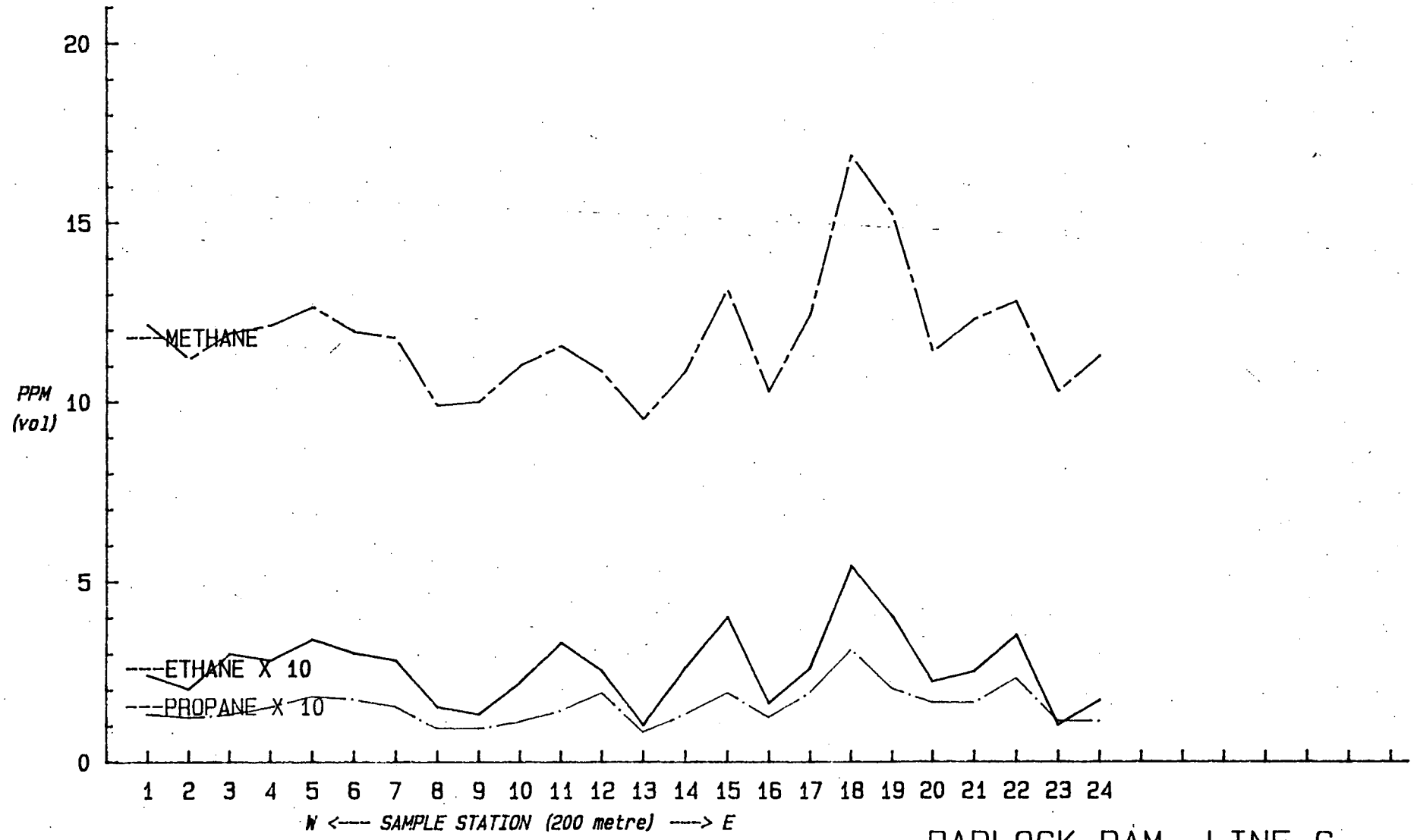


PADLOCK DAM, LINE-C

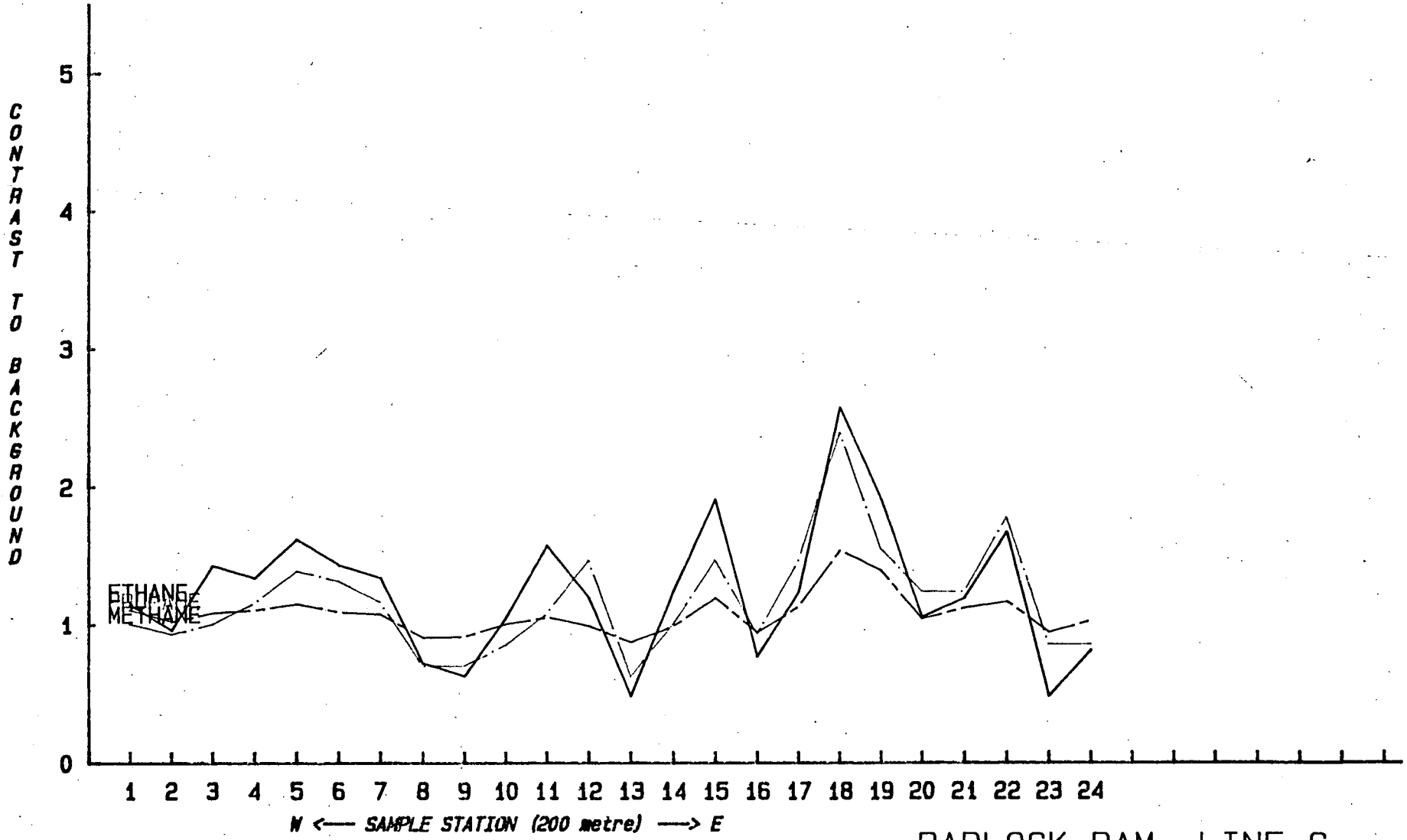
PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G.

RECON EXPLORATION (AUSTRALIA) PTY LTD

ADELAIDE, S. AUSTRALIA



PADLOCK DAM, LINE-C

PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G

RECON EXPLORATION (AUSTRALIA) PTY LTD

ADELAIDE, S. AUSTRALIA

BERTOIL HOLDING CORPORATION A.G.
PADLOCK DAM LINE-C

DATA SUMMARY TABLE

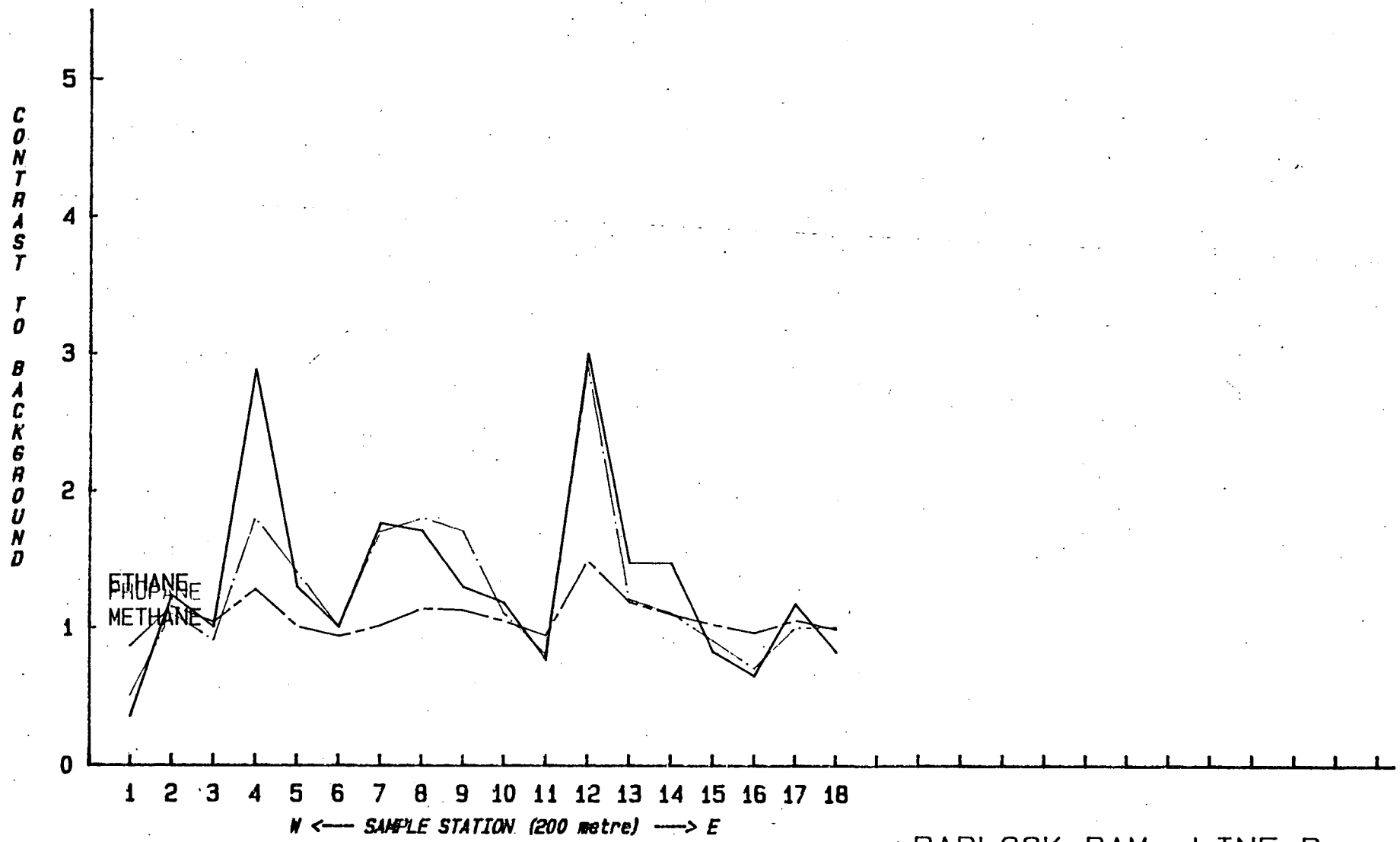
Sample #	Methane	Ethane	Ethene	Propane	Propene	i-Butane	n-Butane
1	12.14	.24	.11	.13	.08	0.00	0.00
2	11.18	.20	.09	.12	.06	0.00	0.00
3	11.91	.30	.15	.13	.08	0.00	0.00
4	12.12	.28	.14	.15	.07	0.00	.05
5	12.63	.34	.16	.18	.13	0.00	.04
6	11.93	.30	.16	.17	.11	0.00	.03
7	11.75	.28	.15	.15	.11	0.00	.02
8	9.87	.15	.09	.09	.08	0.00	0.00
9	9.99	.13	.08	.09	.08	0.00	0.00
10	11.00	.22	.13	.11	.10	0.00	0.00
11	11.54	.33	.17	.14	.10	0.00	.03
12	10.80	.25	.16	.19	.15	0.00	.02
13	9.48	.10	.08	.08	.05	0.00	0.00
14	10.82	.26	.18	.13	.11	0.00	0.00
15	13.09	.40	.25	.19	.15	0.00	.05
16	10.25	.16	.09	.12	.07	0.00	0.00
17	12.40	.26	.18	.19	.15	0.00	.06
18	16.82	.54	.26	.31	.22	0.00	.08
19	15.20	.40	.20	.20	.15	0.00	.07
20	11.36	.22	.12	.16	.10	0.00	0.00
21	12.26	.25	.14	.16	.12	0.00	.02
22	12.77	.35	.17	.23	.16	.01	.06
23	10.26	.10	.06	.11	.09	0.00	0.00
24	11.25	.17	.10	.11	.15	0.00	0.00

PADLOCK DAM LINE-C

SUMS AND RATIOS

Sample #	Sum C1-C4	Sum C2-C4	Ethane/ Ethene	Propane/ Propene	Percent Methane	Ethane Ratio	Propane Ratio	Percent Wetness
1	12.70	.56	2.18	1.63	95.59	50.58	10.71	4.41
2	11.65	.47	2.22	2.00	95.97	55.90	10.73	4.03
3	12.57	.66	2.00	1.63	94.75	39.70	10.92	5.25
4	12.81	.69	2.00	2.14	94.61	43.29	12.38	5.39
5	13.48	.85	2.13	1.38	93.69	37.15	14.25	6.31
6	12.70	.77	1.88	1.55	93.94	39.77	14.25	6.06
7	12.46	.71	1.87	1.36	94.30	41.96	12.77	5.70
8	10.28	.41	1.67	1.13	96.01	65.80	9.12	3.99
9	10.37	.38	1.63	1.13	96.34	76.85	9.01	3.66
10	11.56	.56	1.69	1.10	95.16	50.00	10.00	4.84
11	12.31	.77	1.94	1.40	93.74	34.97	12.13	6.26
12	11.57	.77	1.56	1.27	93.34	43.20	17.59	6.66
13	9.79	.31	1.25	1.60	96.83	94.80	8.44	3.17
14	11.50	.68	1.44	1.18	94.09	41.62	12.01	5.91
15	14.13	1.04	1.60	1.27	92.64	32.73	14.51	7.36
16	10.69	.44	1.78	1.71	95.88	64.06	11.71	4.12
17	13.24	.84	1.44	1.27	93.66	47.69	15.32	6.34
18	18.23	1.41	2.08	1.41	92.27	31.15	18.43	7.73
19	16.22	1.02	2.00	1.33	93.71	38.00	13.16	6.29
20	11.96	.60	1.83	1.60	94.98	51.64	14.08	5.02
21	12.95	.69	1.79	1.33	94.67	49.04	13.05	5.33
22	13.75	.98	2.06	1.44	92.87	36.49	18.01	7.13
23	10.62	.36	1.67	1.22	96.61	102.60	10.72	3.39
24	11.78	.53	1.70	.73	95.50	66.18	9.78	4.50

RECON EXPLORATION (AUST) Pty Ltd
South Australia Field Laboratory
August, 1987



PADLOCK DAM, LINE-D

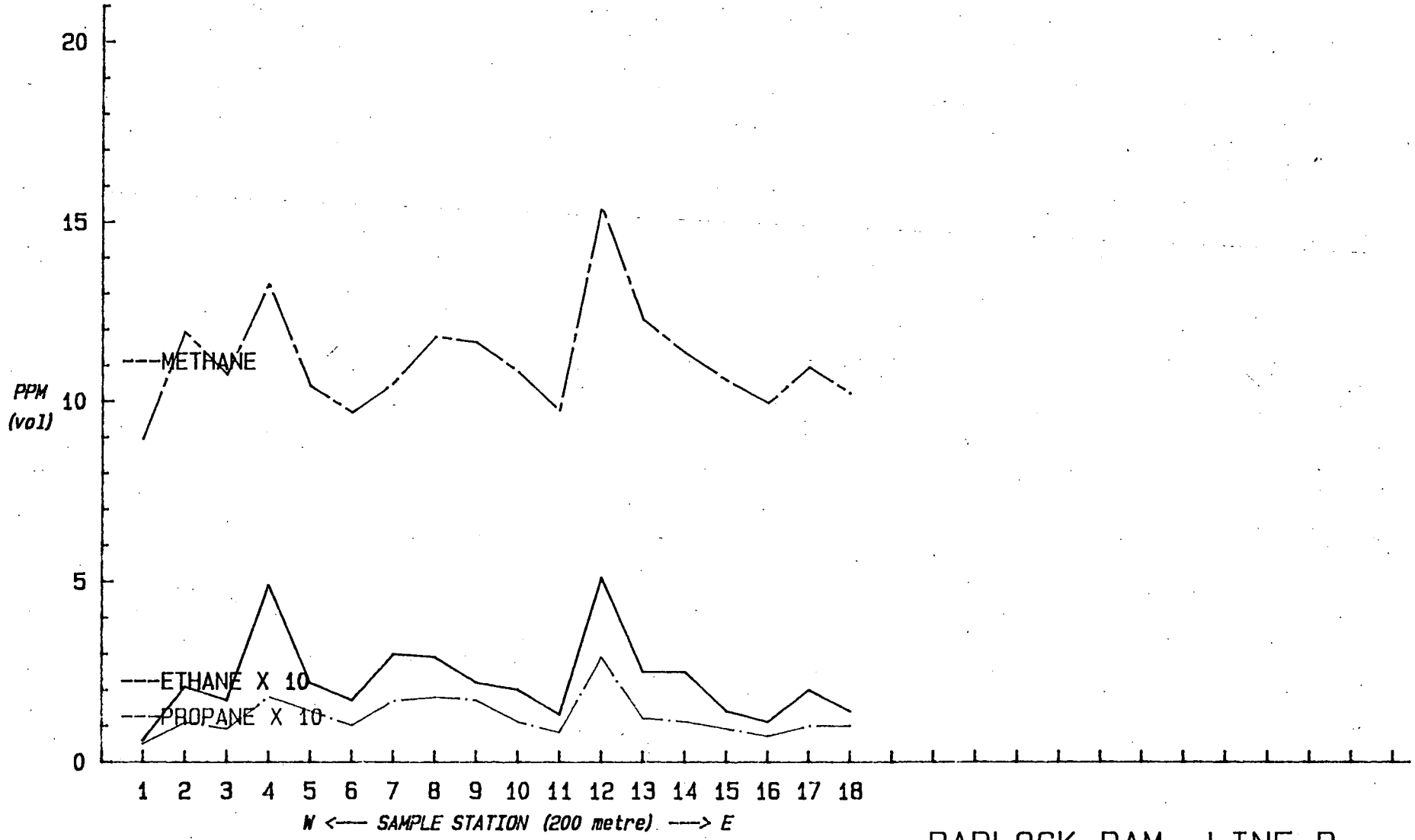
PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G

RECON EXPLORATION (AUSTRALIA) PTY LTD

ADELAIDE, S. AUSTRALIA



RECON EXPLORATION (AUSTRALIA) PTY LTD
ADELAIDE, S. AUSTRALIA

PADLOCK DAM, LINE-D

PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G.

BERTOIL HOLDING CORPORATION A.G.
PADLOCK DAM LINE-D

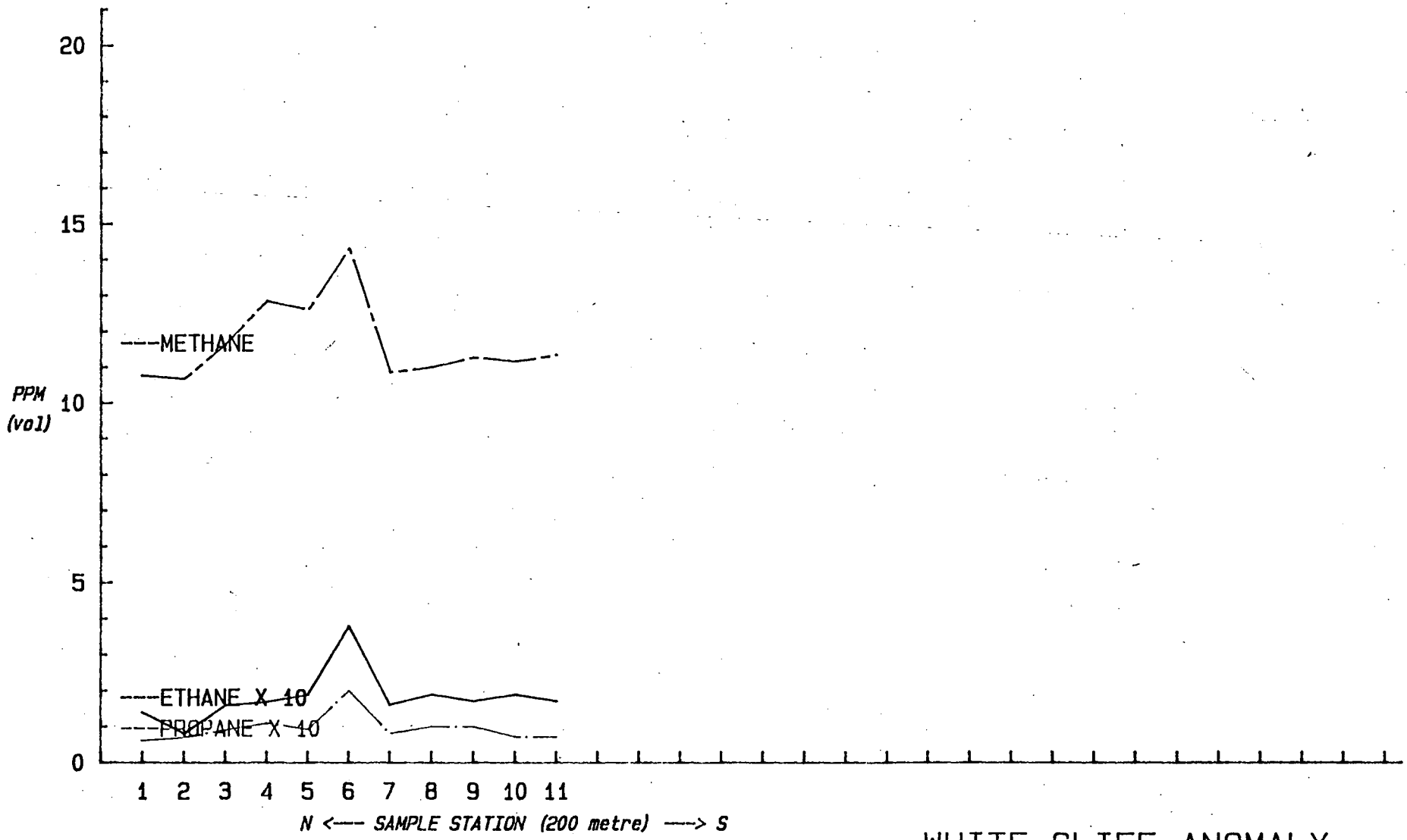
DATA SUMMARY TABLE

Sample #	Methane	Ethane	Ethene	Propane	Propene	i-Butane	n-Butane
1	8.96	.06	.04	.05	.02	0.00	0.00
2	11.93	.21	.08	.11	.06	0.00	0.00
3	10.73	.17	.11	.09	.07	0.00	0.00
4	13.26	.49	.24	.18	.11	.01	.03
5	10.41	.22	.10	.14	.09	0.00	0.00
6	9.67	.17	.10	.10	.08	0.00	0.00
7	10.51	.30	.30	.17	.22	0.00	.05
8	11.79	.29	.16	.18	.13	0.00	.02
9	11.63	.22	.10	.17	.17	0.00	0.00
10	10.82	.20	.10	.11	.12	0.00	0.00
11	9.71	.13	.07	.08	.05	0.00	0.00
12	15.42	.51	.25	.29	.22	.03	.05
13	12.26	.25	.09	.12	.08	0.00	0.00
14	11.33	.25	.11	.11	.11	0.00	0.00
15	10.56	.14	.05	.09	.05	0.00	0.00
16	9.93	.11	.07	.07	.03	0.00	0.00
17	10.94	.20	.11	.10	.08	0.00	0.00
18	10.20	.14	.07	.10	.07	0.00	0.00

SUMS AND RATIOS

Sample #	Sum C1-C4	Sum C2-C4	Ethane/ Ethene	Propane/ Propene	Percent Methane	Ethane Ratio	Propane Ratio	Percent Wetness
1	9.13	.17	1.50	2.50	98.14	149.33	5.58	1.86
2	12.39	.46	2.63	1.83	96.29	56.81	9.22	3.71
3	11.17	.44	1.55	1.29	96.06	63.12	8.39	3.94
4	14.32	1.06	2.04	1.64	92.60	27.06	13.57	7.40
5	10.96	.55	2.20	1.56	94.98	47.32	13.45	5.02
6	10.12	.45	1.70	1.25	95.55	56.89	10.34	4.45
7	11.55	1.04	1.00	.77	90.99	35.03	16.18	9.01
8	12.57	.78	1.81	1.38	93.79	40.66	15.27	6.21
9	12.29	.66	2.20	1.00	94.63	52.86	14.62	5.37
10	11.35	.53	2.00	.92	95.33	54.10	10.17	4.67
11	10.04	.33	1.86	1.60	96.71	74.69	8.24	3.29
12	16.77	1.35	2.04	1.32	91.95	30.24	18.81	8.05
13	12.80	.54	2.78	1.50	95.78	49.04	9.79	4.22
14	11.91	.58	2.27	1.00	95.13	45.32	9.71	4.87
15	10.89	.33	2.80	1.80	96.97	75.43	8.52	3.03
16	10.21	.28	1.57	2.33	97.26	90.27	7.05	2.74
17	11.43	.49	1.82	1.25	95.71	54.70	9.14	4.29
18	10.58	.38	2.00	1.43	96.41	72.86	9.80	3.59

RECON EXPLORATION (AUST) Pty Ltd
South Australia Field Laboratory
August, 1987



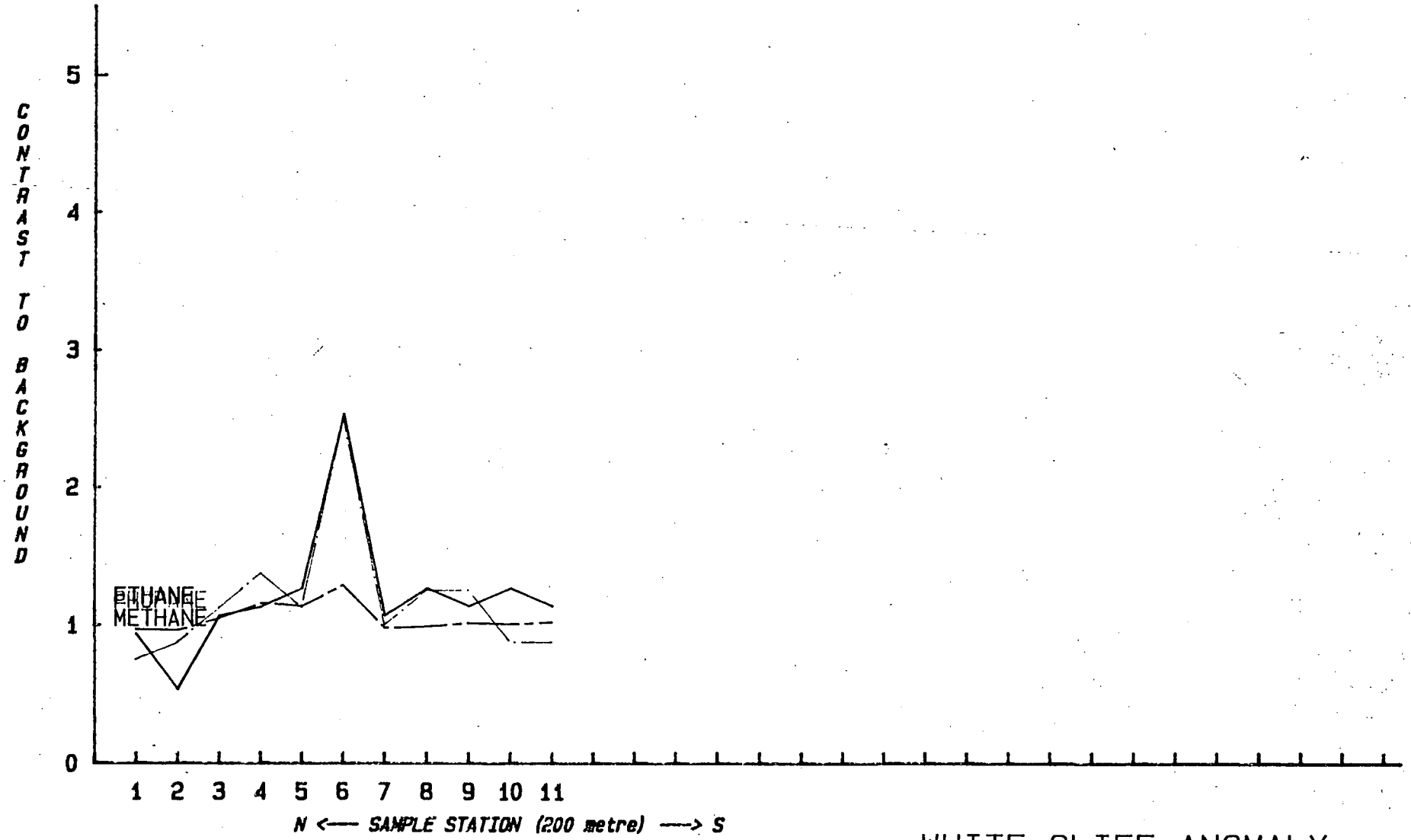
RECON EXPLORATION (AUSTRALIA) PTY LTD
ADELAIDE, S. AUSTRALIA

WHITE CLIFF ANOMALY

PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G.



RECON EXPLORATION (AUSTRALIA) PTY LTD
ADELAIDE, S. AUSTRALIA

WHITE CLIFF ANOMALY

PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G

BERTOIL HOLDING CORPORATION A.G.
WHITE CLIFF ANOMALY

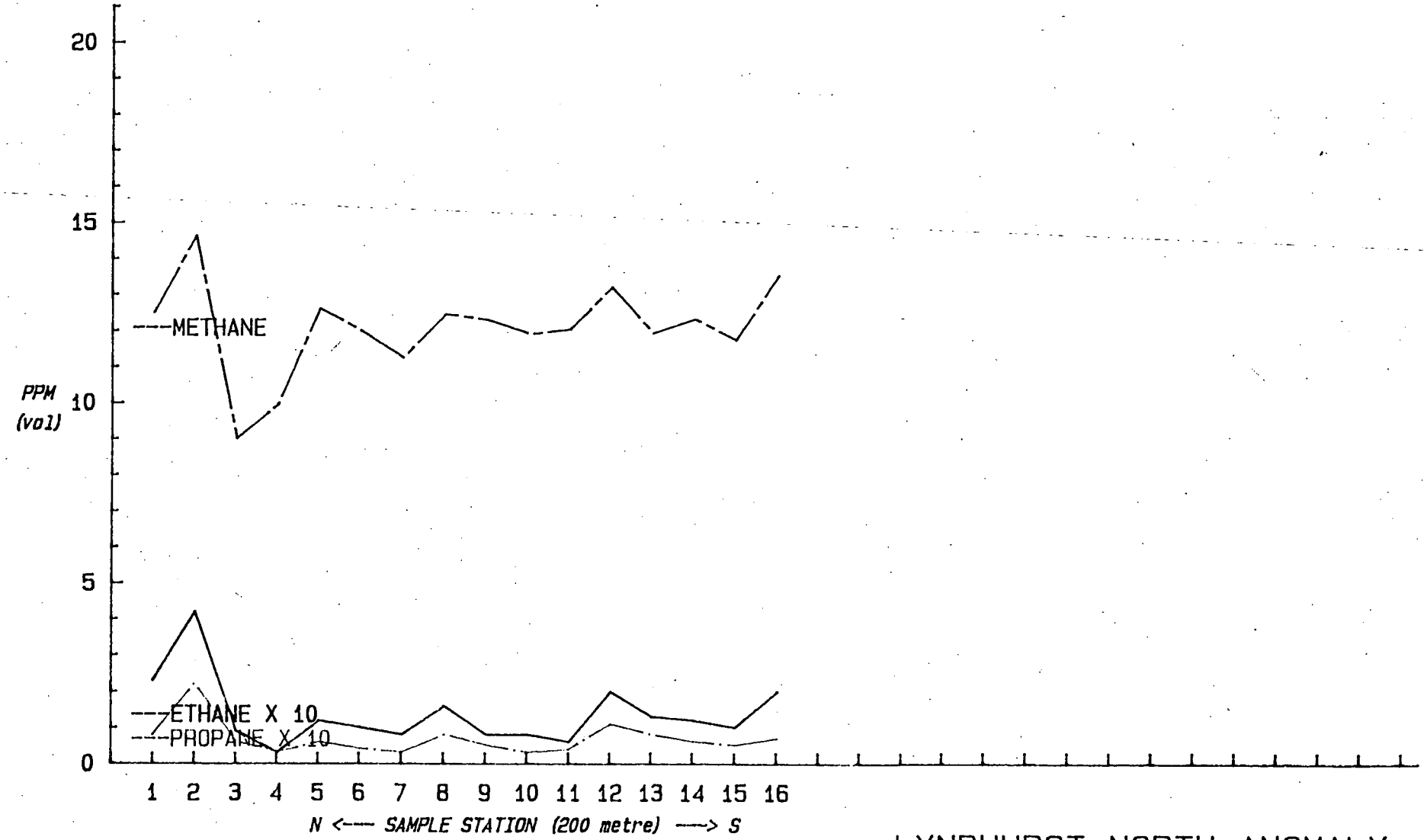
DATA SUMMARY TABLE

Sample #	Methane	Ethane	Ethene	Propane	Propene	i-Butane	n-Butane
1	10.77	.14	.09	.06	.10	0.00	0.00
2	10.67	.08	.05	.07	.05	0.00	0.00
3	11.65	.16	.09	.09	.10	0.00	0.00
4	12.86	.17	.11	.11	.10	0.00	0.00
5	12.59	.19	.15	.09	.08	0.00	.02
6	14.32	.38	.22	.20	.21	0.00	.05
7	10.85	.16	.08	.08	.15	0.00	0.00
8	11.01	.19	.09	.10	.06	0.00	0.00
9	11.27	.17	.10	.10	.07	0.00	0.00
10	11.15	.19	.09	.07	.11	0.00	0.00
11	11.35	.17	.07	.07	.11	0.00	0.00

SUMS AND RATIOS

Sample #	Sum C1-C4	Sum C2-C4	Ethane/ Ethene	Propane/ Propene	Percent Methane	Ethane Ratio	Propane Ratio	Percent Wetness
1	11.16	.39	1.56	.60	96.51	76.93	5.57	3.49
2	10.92	.25	1.60	1.40	97.71	133.31	6.56	2.29
3	12.09	.44	1.78	.90	96.36	72.81	7.73	3.64
4	13.35	.49	1.55	1.10	96.33	75.62	8.56	3.67
5	13.12	.53	1.27	1.13	95.96	66.26	7.15	4.04
6	15.38	1.06	1.73	.95	93.11	37.67	13.97	6.89
7	11.32	.47	2.00	.53	95.85	67.81	7.37	4.15
8	11.45	.44	2.11	1.67	96.16	57.92	9.09	3.84
9	11.71	.44	1.70	1.43	96.24	66.26	8.88	3.76
10	11.61	.46	2.11	.64	96.04	58.66	6.28	3.96
11	11.77	.42	2.43	.64	96.43	66.74	6.17	3.57

RECON EXPLORATION (AUST) Pty Ltd
South Australia Field Laboratory
August, 1987



LYNDHURST NORTH ANOMALY

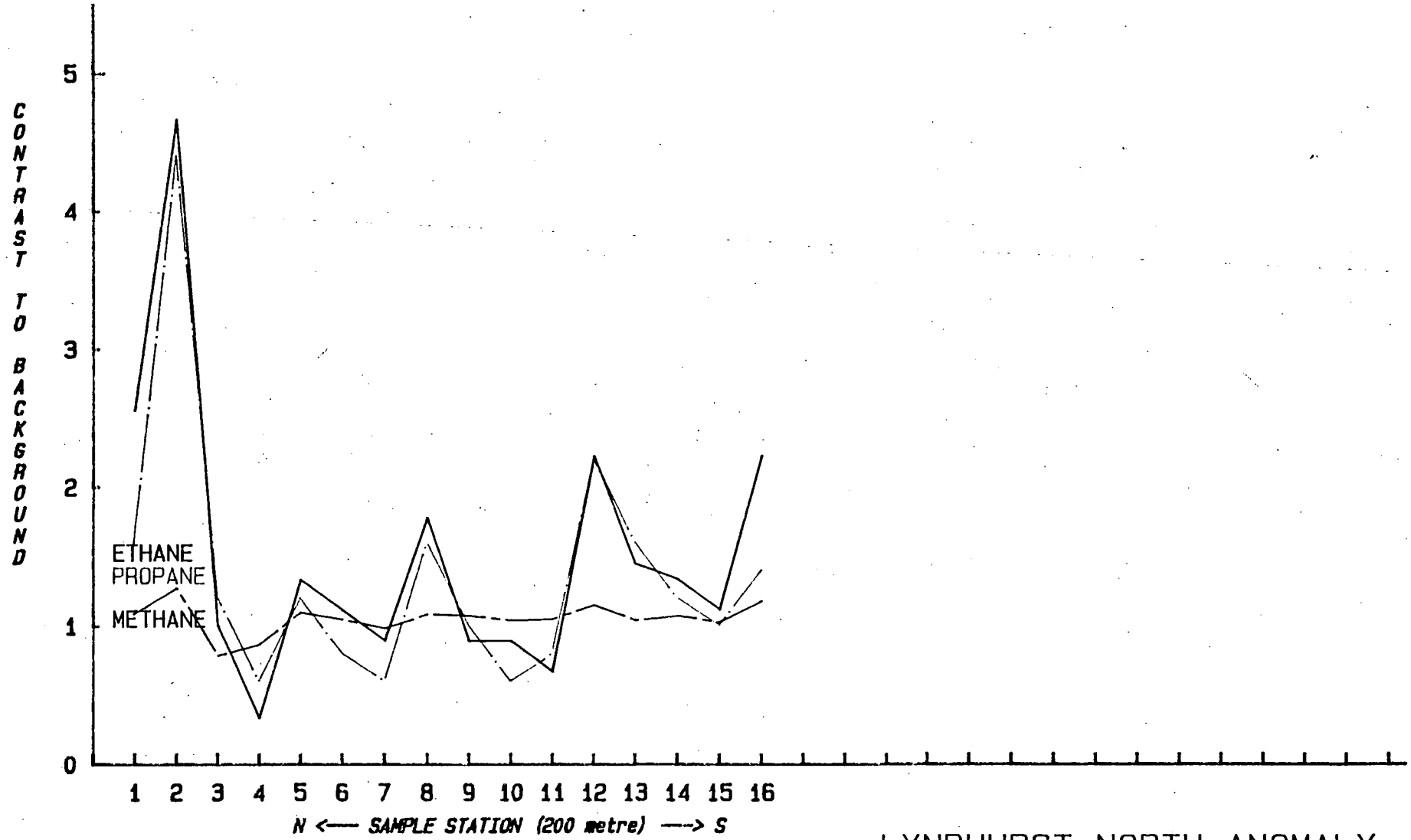
PEL 36 – SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G.

RECON EXPLORATION (AUSTRALIA) PTY LTD

ADELAIDE, S. AUSTRALIA



RECON EXPLORATION (AUSTRALIA) PTY LTD
ADELAIDE, S. AUSTRALIA

LYNDHURST NORTH ANOMALY

PEL 36 - SOUTH AUSTRALIA

GEOCHEMICAL EXPLORATION PROGRAMME, AUGUST 1987

BERTOIL HOLDING CORPORATION A.G

BERTOIL HOLDING CORPORATION A.G.
LYNDHURST NORTH ANOMALY

DATA SUMMARY TABLE

Sample #	Methane	Ethane	Ethene	Propane	Propene	i-Butane	n-Butane
1	12.50	.23	.08	.08	.04	0.00	0.00
2	14.62	.42	.16	.22	.11	0.00	0.00
3	9.00	.09	.04	.06	.04	0.00	0.00
4	9.96	.03	.01	.03	.01	0.00	0.00
5	12.61	.12	.05	.06	.04	0.00	.01
6	11.99	.10	.04	.04	.04	0.00	0.00
7	11.24	.08	.03	.03	.02	0.00	0.00
8	12.45	.16	.04	.08	.05	0.00	0.00
9	12.29	.08	.04	.05	.03	0.00	0.00
10	11.91	.08	.05	.03	.02	0.00	0.00
11	12.05	.06	.03	.04	.02	0.00	0.00
12	13.21	.20	.07	.11	.05	0.00	0.00
13	11.93	.13	.04	.08	.05	0.00	0.00
14	12.33	.12	.03	.06	.03	0.00	0.00
15	11.73	.10	.03	.05	.03	0.00	0.00
16	13.52	.20	.09	.07	.05	0.00	0.00

SUMS AND RATIOS

Sample #	Sum C1-C4	Sum C2-C4	Ethane/ Ethene	Propane/ Propene	Percent Methane	Ethane Ratio	Propane Ratio	Percent Wetness
1	12.93	.43	2.88	2.00	96.67	54.35	6.40	3.33
2	15.53	.91	2.63	2.00	94.14	34.81	15.05	5.86
3	9.23	.23	2.25	1.50	97.51	100.00	6.67	2.49
4	10.04	.08	3.00	3.00	99.20	332.00	3.01	.80
5	12.89	.28	2.40	1.50	97.83	105.08	4.76	2.17
6	12.21	.22	2.50	1.00	98.20	119.90	3.34	1.80
7	11.40	.16	2.67	1.50	98.60	140.50	2.67	1.40
8	12.78	.33	4.00	1.60	97.42	77.81	6.43	2.58
9	12.49	.20	2.00	1.67	98.40	153.63	4.07	1.60
10	12.09	.18	1.60	1.50	98.51	148.88	2.52	1.49
11	12.20	.15	2.00	2.00	98.77	200.83	3.32	1.23
12	13.64	.43	2.86	2.20	96.85	66.05	8.33	3.15
13	12.23	.30	3.25	1.60	97.55	91.77	6.71	2.45
14	12.57	.24	4.00	2.00	98.09	102.75	4.87	1.91
15	11.94	.21	3.33	1.67	98.24	117.30	4.26	1.76
16	13.93	.41	2.22	1.40	97.06	67.60	5.18	2.94

RECON EXPLORATION (AUST) Pty Ltd
South Australia Field Laboratory
August, 1987

AUSTRALIA 1:250 000
TOPOGRAPHIC SURVEY

1" of longitude = 27 metres

COPLEY

MARREE

MURNPEOWIE HS

MULGARIA HS

PEL 36

PADLOCK DAM ANOMALY

WHITE CLIFF ANOMALY

LYNDHURST NORTH ANOMALY

Kingston Bore
Witchelina
Luck At Last
Twenty Thousand Tank
Arrows Dam
Burt Waterhole
Kites Dam
Concrete Dam
Coronation Tank And Yard
3 Mile Yard And Tank
South Well
South Well Dam
White Leeds Dam
Railway Reservoir
Hilly Bore
Rocky Waterhole
Belawopina
Black Wattle Waterhole
West Dam
Government Reservoir
Stockyards
Farina
Padlock Dam
Shamrock Dams
TOM HILL
Minagoona Dam
Rocky Dam
Rocky Hole Dam And Well
Minagoona Lake
North Double Dam
WHITE CLIFF HILL
Cotteney Bore
Nine Mile Dam
Nine Mile Well
Leslie Hut
Leslie Well
Leslie
Slade Bore
Loma Doone
Lynda Mine Well
Lynda
MT LYALL
Donghboy Bore
Mount
Tank Well
Cave Bore
Mount Lyndhurst
BM 203
BM 202
BM 209
Frome Well
GILL BLUFF
Gill Bluff Well
Richardson Dam
Leap Year Dam
Christmas Dam
St A'Becket Well
St A'Becket Pond (Yamelpoonah)
Mulga Dam
Triangle Dam
Primrose Dam
Avondale Bore
Avondale
MT LYNDHURST
Lead Mine Bore
White Lead
Ochre
BM 199
BM 191
Willow Well
Hogan Bores
Balparana
Balparana Well
TERMINATION HILL
Lake
Watherston
Half And Half Swamp
Poison Well
Termination Dam
IDEYAKA HILL
Pug Hill Hut
Tin Hut Dam
White Hill Tank
White Hill Dam
RED HILL
Tower
Lyndhurst
Garbage tip
Tower Hill
Tower Hill Bore
TOWER HILL
Tower Gap
Tower Gap Hut
Reedy Hole Springs
Rocky outcrops
Mandarin
Cocklebinna Dam
Boundary Dam
Boundary Hut
Red Hill Dam
Red Hill Tank
Yadlakina Bore
Yadlakina Hut
Pine Swamp
Mount Playfair Well
Smith Well
Little Well
Donaldson Dam
Slades Tank
Lobe D
Spoil heap
Ruins
MT PLAYFAIR
North Field Tank
Donaldson Tank
Playfair Dam
North Field
Lobe C
Pine Dam
Tea Tree Swamp
MT PARRYA
Etenna Dam
Old Myrtle Well And Springs
Myrtle Springs
Rockhole Dam
Masts
Spoil heads
LEIGH CREEK
Lobe B
Numerous small dry lakes
Doondang Bore
Stone Hut Well
COALFIELD
Leigh Creek (Abandoned)
Nuisance
Bald Hill Well
Norman Rock Bore
NORMAN ROCK
Bodyvero Bore
Bodyvero Gold Diggings
Jeremiah Spring
Fuel tank
Telford
Sunday Well
Black Oak Bore
BUNYAROO HILL
Wurdowie Bore
Wurdowie
Peel Box
Depot Spring
Stone Claim
Oodnapanicken Bore
Oodnapanicken Hut
Appealinna Bore
EXTENSION HILL
Mallee Well Bore
Old Station Well
Farewell Bore
MT HUTTON
Flood Control Dam
SURVEY POINT B
Aroona Depot Creek Well
Cliff Well
Ruin
Sewage treatment plant
Cemetery
Cutaway Dam
Railway Dam
The Cutaway
Leigh Creek South
Leigh Creek Aerodrome
Old Nankebunyana
Nankebunyana Well
MT AROONA
Aroona Dam
Canal Flat Tank
Warrigee Dam
Depot Dam
Depot Hut And Well
Depot Tank
Paradise Dam
Bondi Tank
Catch Dam
Klondyke Embankment
Pulchra Bore (Abandoned)
MT SCOTT
Windy Creek
Mundy Well
Punchs Rest Dam
LOOKOUT HILL
Lookout Bore
South Creek Bore
Ultimo Bore
Punchs Rest
Punchs Rest Well
Copper Well (Abandoned)
Federal
Dead Finish
Broken Range (Abandoned)
Phil-Ma Cool (Abandoned)
Paull North
Paull North Extension
Paull Consolidated (Abandoned)
Boris Fabian (Abandoned)
Burt (Abandoned)
MT BOURNE
Mount Bourne Bore
Top Tank
Middle Tank (Disused)
Yellow Cliff Tank (Disused)
Victory
Victory Dam
Victory Well
PIDGEON ROCK
Burt Well
Scout Camp
Boudowie Well
Nindipinna
Nindipinna Bore
Rocky outcrops
Mundy Tank
James Dam (Disused)
James Bore
MT GELFORD
Pidgeon Box Bore
Round Hill Well
Jacob Gap
KATE HILL
Woodnapanicken Bore
Woodnapanicken Hut
White Well (Disused)
Moriarna Spring
Winyagunna Hut And Bore
YUDLAMO
Mount Rose
VOCA-VOCANA HILL
Weedna
Weedna Well
Weedna Spring
Weedna Plains
Apex Well
Apex Hill
APEX HILL
MT CLIVE
Mandarin
Nichols Nob Extended
Nichols Nob
Big Lode
Huad Hill
Extension Bore
NICHOLS NOB
Mount Dolivie Goldfield
MT DOLIVIE
Clive
MT BURR
Mallee
Benalick Well
Moosha Bore
Meriwee
MANDARIN CA
Woolshed Creek
Mundy Creek
Government Well (White Well)
Cottonbush Dam
Deep Well Dam
Deep Well Hut
Higgins Dam
Caldaweena Dam
White Well
Wilkowie Hut
Wilkowie Well
BM 178
BM 175
BM 154
BM 143
Debney Hole
Kevins Hole
TENT HILL
Tent Hill Bore
Kulas Dam
TRACK
MISTAKEN HILL
Taylor Limest
Walter Well
Gill
Frome
Bluegum
Lyndhurst
Hayes Creek
Kingsmill Creek
Magpie Creek
Watson Creek
Curtis Creek
Strzelecki Track
Mount
Gammon
Sutherland Tab
Mount C
Mount Abandonment
Balparana Creek
Douglas Creek
Scott Creek
Depot Creek
Leigh Creek
Aroona Creek
Nankebunyana Creek
Magnetic Line
Strzelecki Track

1" of latitude = 31 metres

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GRID CONVERGENCE 1.1°

GRID/MAGNETIC ANGLE 7.1°

TN GN MN

True north, grid north and magnetic north are shown diagrammatically for the centre of the map. Magnetic north is correct for 1985 and moves easterly by 0.1° in about three years.

HYDROCARBON MICROSEEPAGE SURVEY

RECON EXPLORATION (AUSTRALIA) P/L

Sample spacing: 200m

Sept. '87

BERTOIL HOLDING CORP. A.G.

PJD, DJS

SCALE 1:250 000

0 kilometres 5 10 15 20 25 30

HEIGHTS IN METRES. CONTOUR INTERVAL 50 METRES

6900 – 2

See large scale map 1:50,000

HYDROCARBON MICROSEEPAGE SURVEY

RECON EXPLORATION (AUSTRALIA) P/L

Sample spacing: 200m

Sept. '87

BERTOIL HOLDING CORP. A.G.

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SCALE 1:250 000

0 kilometres 5 10 15 20 25 30

HEIGHTS IN METRES. CONTOUR INTERVAL 50 METRES

6900 - 3

AUSTRALIA 1:250 000
TOPOGRAPHIC SURVEY

PARACHILNA