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SOURCE ROCK STUDIES

REPORTS

Submitted by

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1993

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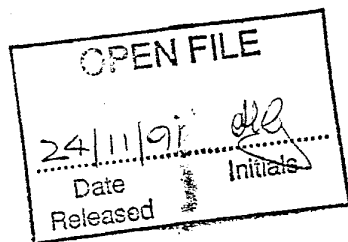
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**PRIMARY INDUSTRIES
AND RESOURCES SA**



TOTAL ORGANIC CARBON AND
ROCK-EVAL PYROLYSIS DATA
FOR SAMPLES FROM 11 WELLS,
ONSHORE SOUTH AUSTRALIA

Prepared for :

SHELL DEVELOPMENT (AUSTRALIA) PTY LTD

AUGUST 1984

By

ANALABS

R 5276

copy 2 of 3



TABLE 1

ROCK-EVAL PYROLYSIS DATA

WELLNAME = BIRKSGATE #1

DATE OF JOB = AUGUST 1984

SAMPLES	TMAX	S1	S2	S3	S1+S2	S2/S3	PI	PC	TOC	HI	OI
3165'	nd	nd	nd	nd	nd	nd	nd	nd	0.12	nd	nd
3183'	nd	nd	nd	nd	nd	nd	nd	nd	0.22	nd	nd
3606' 5"	nd	nd	nd	nd	nd	nd	nd	nd	0.27	nd	nd
5512'	nd	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd
6159'	nd	nd	nd	nd	nd	nd	nd	nd	0.10	nd	nd

TMAX = Max. temperature
 S1+S2 = Potential yield
 PC = Pyrolysable carbon
 OI = Oxygen Index

S1 = Volatile hydrocarbons (HC)
 S3 = Organic carbon dioxide
 TOC = Total organic carbon
 nd = no data

S2 = HC generating potential
 PI = Production index
 HI = Hydrogen index

AUGUST 1984

HYDROCARBON SOURCE ROCK EVALUATION

BIRKSGATE #1

0005

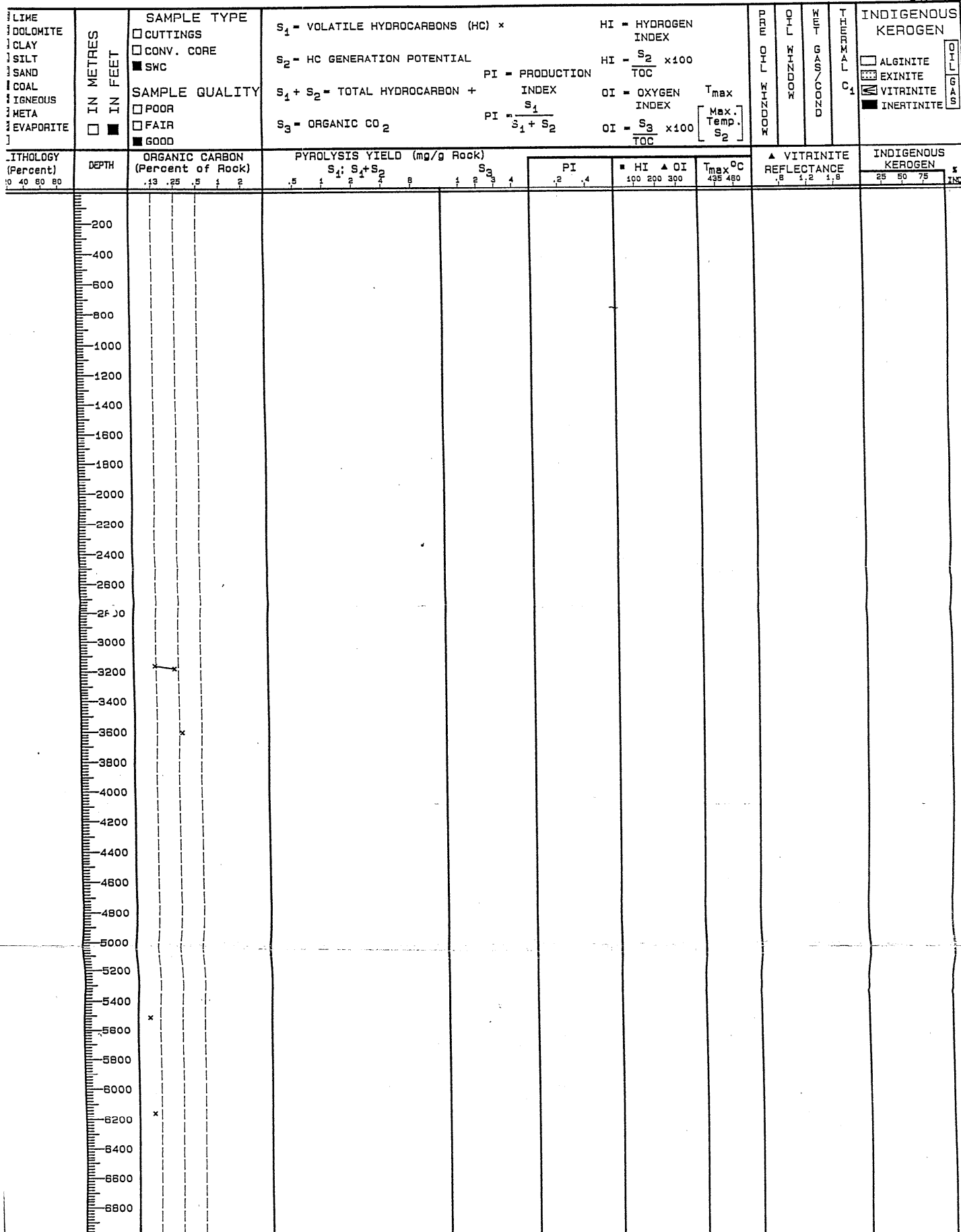


TABLE 1

ROCK-EVAL PYROLYSIS DATA (one run)

WELLNAME = BYILKUORA #1

DATE OF JOB = AUGUST 1984

SAMPLES	TMAX	S1	S2	S3	S1+S2	S2/S3	PI	PC	TOC	HI	OI
200.70 ■	428	0.18	1.61	0.22	1.79	7.32	0.10	0.15	0.76	211	28
202.29 ■	427	0.43	2.00	0.24	2.43	8.33	0.18	0.20	0.67	298	35
204.25 ■	420	0.17	1.63	0.29	1.80	5.62	0.09	0.15	0.58	281	50
209.59 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.07	nd	nd
214.10 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.10	nd	nd
225.50 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.22	nd	nd
241.10 ■ A	nd	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd
241.10 ■ B	nd	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd
248.35 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.17	nd	nd
254.90 ■	425	0.30	2.58	0.23	2.88	11.22	0.10	0.24	0.83	310	27
259.35 ■	420	0.46	2.05	0.36	2.51	5.69	0.18	0.21	0.68	301	52
268.95 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.21	nd	nd
277.30 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.38	nd	nd
278.25 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.47	nd	nd
286.50 ■	419	0.39	1.51	0.32	1.90	4.72	0.21	0.16	0.58	260	55
289.80 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.42	nd	nd
292.55 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.31	nd	nd
293.20 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.17	nd	nd
295.65 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.43	nd	nd
298.00 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.39	nd	nd
298.70 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.22	nd	nd
303.30 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.29	nd	nd
306.10 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.38	nd	nd
309.70 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.26	nd	nd
312.30 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.35	nd	nd
313.35 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.82	nd	nd
319.05 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.39	nd	nd
324.95 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.46	nd	nd
327.10 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.23	nd	nd
333.50 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.11	nd	nd
377.10 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd
382.55 ■	440	0.14	0.31	0.19	0.45	1.63	0.31	0.04	0.91	34	20
394.20 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.11	nd	nd
407.25 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.02	nd	nd

TMAX = Max. temperature

S1+S2 = Potential yield

PC = Pyrolysable carbon

OI = Oxygen Index

S1 = Volatile hydrocarbons (HC)

S3 = Organic carbon dioxide

TOC = Total organic carbon

nd = no data

S2 = HC generating potential

PI = Production index

HI = Hydrogen index

ANA-LOG

HYDROCARBON SOURCE ROCK EVALUATION

THE SHELL COMPANY OF AUSTRALIA LTD.

BYILKUORA #1

0007

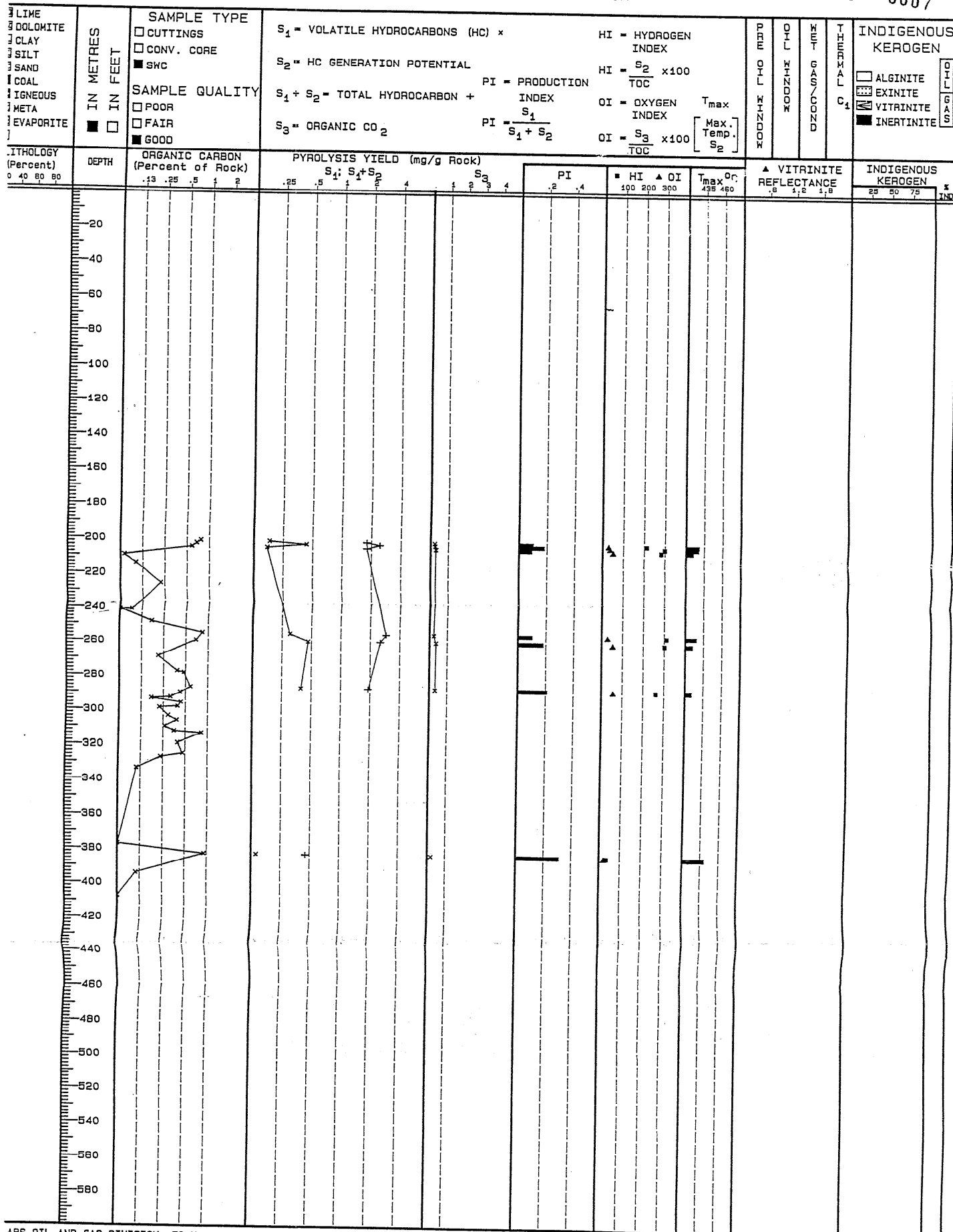


TABLE 1

ROCK-EVAL PYROLYSIS DATA (one run)

WELLNAME = COOTANDORINA #1

DATE OF JOB = AUGUST 1984

SAMPLES	TMAX	S1	S2	S3	S1+S2	S2/S3	PI	PC	TOC	HI	OI
110.95 ■	430	0.04	0.64	1.00	0.68	0.64	0.06	0.06	1.29	49	77
111.75 ■	432	0.02	0.82	1.06	0.84	0.77	0.02	0.07	1.38	59	76
199.60 ■	429	0.06	0.56	1.15	0.62	0.49	0.10	0.05	2.06	27	55
379.05 ■	434	0.03	0.50	0.75	0.53	0.67	0.06	0.04	1.63	30	46
530.70 ■	426	0.09	2.34	11.08	2.43	0.21	0.04	0.20	2.27	103	488
633.29 ■	426	0.06	1.81	8.69	1.87	0.21	0.03	0.16	2.25	80	386
873.10 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd
873.60 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.18	nd	nd
889.10 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd
889.25 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.08	nd	nd
927.80 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd
943.35 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd
944.26 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.08	nd	nd
945.25 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.14	nd	nd
945.85 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd
948.35 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.07	nd	nd
948.83 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.07	nd	nd

TMAX = Max. temperature S2
 S1+S2 = Potential yield
 PC = Pyrolysable carbon
 OI = Oxygen Index

S1 = Volatile hydrocarbons (HC)
 S3 = Organic carbon dioxide
 TOC = Total organic carbon
 nd = no data

S2 = HC generating potential
 PI = Production index
 HI = Hydrogen index

AUGUST 1984

HYDROCARBON SOURCE ROCK EVALUATION

THE SHELL COMPANY OF AUSTRALIA LTD.

COOTANOOORINA #1

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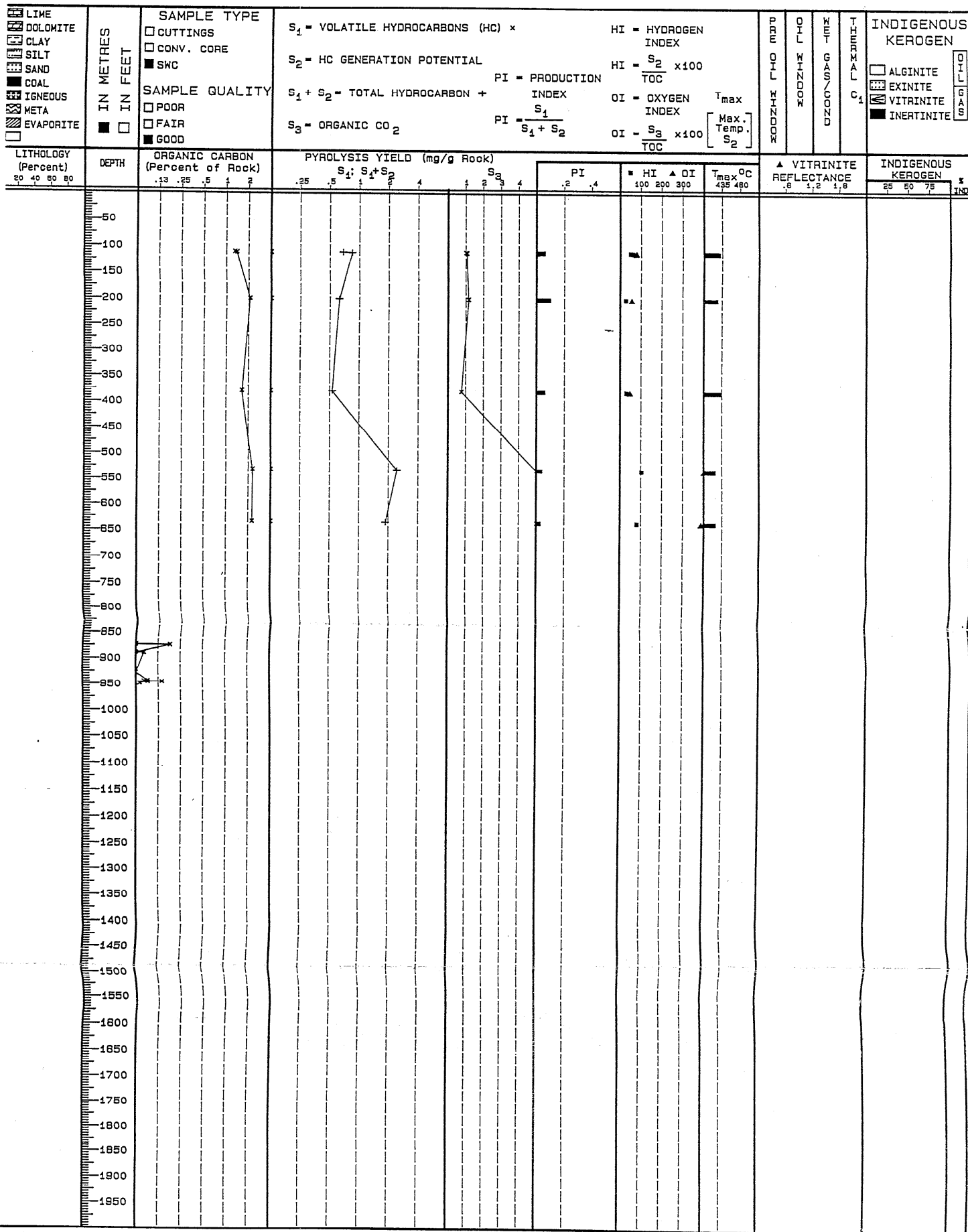


TABLE 1

ROCK-EVAL PYROLYSIS DATA

WELLNAME = EKV #1

DATE OF JOB = AUGUST 1984

SAMPLES	TMAX	S1	S2	S3	S1+S2	S2/S3	PI	PC	TOC	HI	OI
63.90 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.31	nd	nd
64.15 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.10	nd	nd
65.05 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.08	nd	nd
65.90 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd
153.65 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd
154.10 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd
155.30 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd
246.50 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd
247.40 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.18	nd	nd
248.00 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd

}

TMAX = Max. temperature S2
 S1+S2 = Potential yield
 PC = Pyrolysable carbon
 OI = Oxygen Index

S1 = Volatile hydrocarbons (HC)
 S3 = Organic carbon dioxide
 TOC = Total organic carbon
 nd = no data

S2 = HC generating potential
 PI = Production index
 HI = Hydrogen index

AUGUST 1984

ANA-LOG

HYDROCARBON SOURCE ROCK EVALUATION

THE SHELL COMPANY OF AUSTRALIA LTD.

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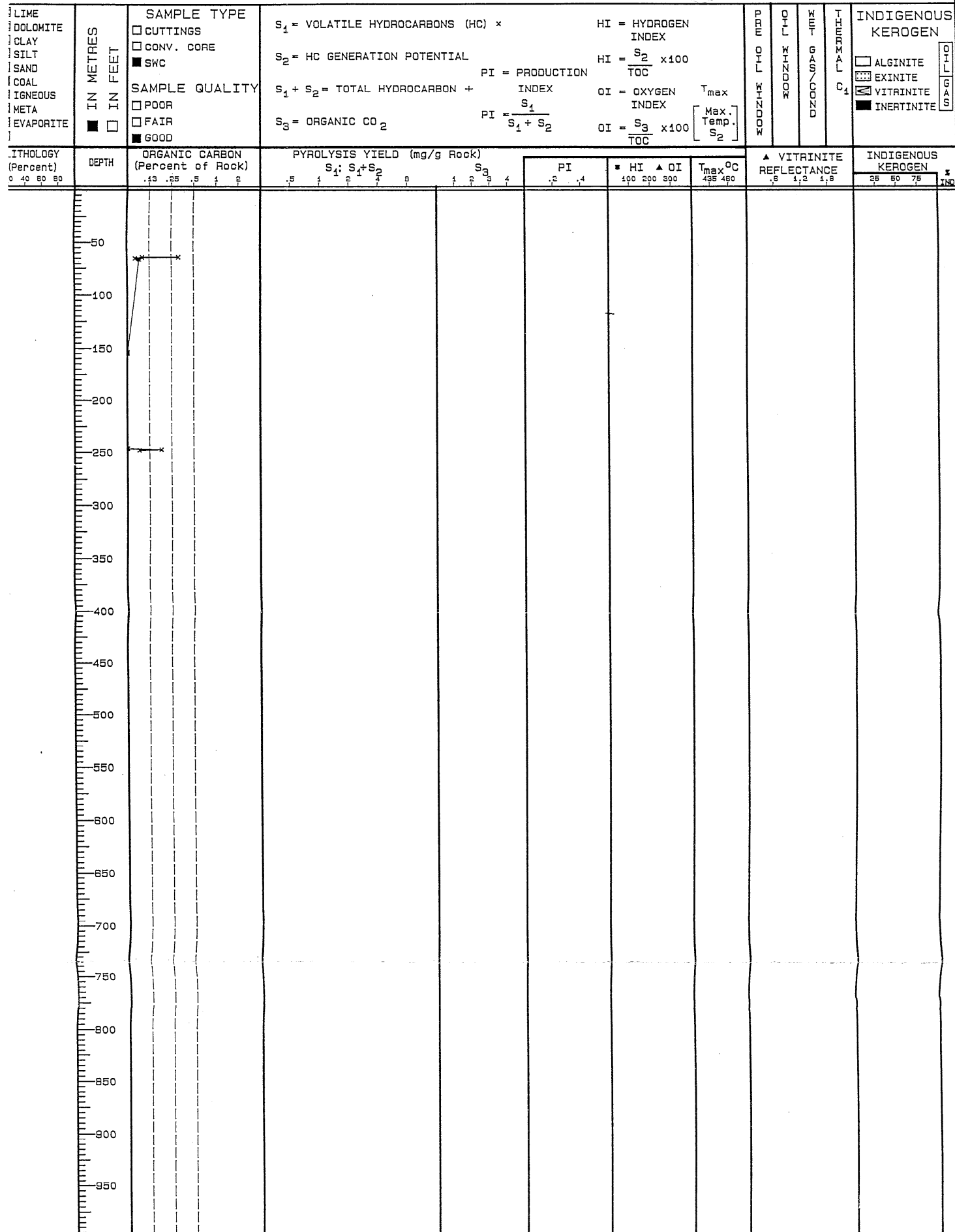


TABLE 1

ROCK-EVAL PYROLYSIS DATA (one run)

WELLNAME = MARLA #1B

DATE OF JOB = AUGUST 1984

DEPTH(m)	TMAX	S1	S2	S3	S1+S2	S2/S3	PI	PC	TOC	HI	OI
95.9	nd	nd	nd	nd	nd	nd	nd	nd	0.12	nd	nd
106.3	nd	nd	nd	nd	nd	nd	nd	nd	0.10	nd	nd
113.0	nd	nd	nd	nd	nd	nd	nd	nd	0.17	nd	nd
126.5	nd	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd
136.7	440	0.07	0.08	0.56	0.15	0.14	0.47	0.01	0.64	12	87
138.6	432	0.08	0.05	0.66	0.13	0.08	0.62	0.01	0.48	10	137
152.6	nd	nd	nd	nd	nd	nd	nd	nd	0.08	nd	nd
193.3	nd	nd	nd	nd	nd	nd	nd	nd	0.11	nd	nd
198.6	nd	nd	nd	nd	nd	nd	nd	nd	0.12	nd	nd
227.4	nd	nd	nd	nd	nd	nd	nd	nd	0.12	nd	nd
268.7	nd	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd
277.6	nd	nd	nd	nd	nd	nd	nd	nd	0.08	nd	nd
286.4	nd	nd	nd	nd	nd	nd	nd	nd	0.18	nd	nd
325.7	nd	nd	nd	nd	nd	nd	nd	nd	0.18	nd	nd
331.6	nd	nd	nd	nd	nd	nd	nd	nd	0.23	nd	nd
364.6	nd	nd	nd	nd	nd	nd	nd	nd	0.19	nd	nd
377.8	nd	nd	nd	nd	nd	nd	nd	nd	0.34	nd	nd

TMAX = Max. temperature S2

S1+S2 = Potential yield

PC = Pyrolysable carbon

OI = Oxygen Index

S1 = Volatile hydrocarbons (HC)

S3 = Organic carbon dioxide

TOC = Total organic carbon

nd = no data

S2 = HC generating potential

PI = Production index

HI = Hydrogen index

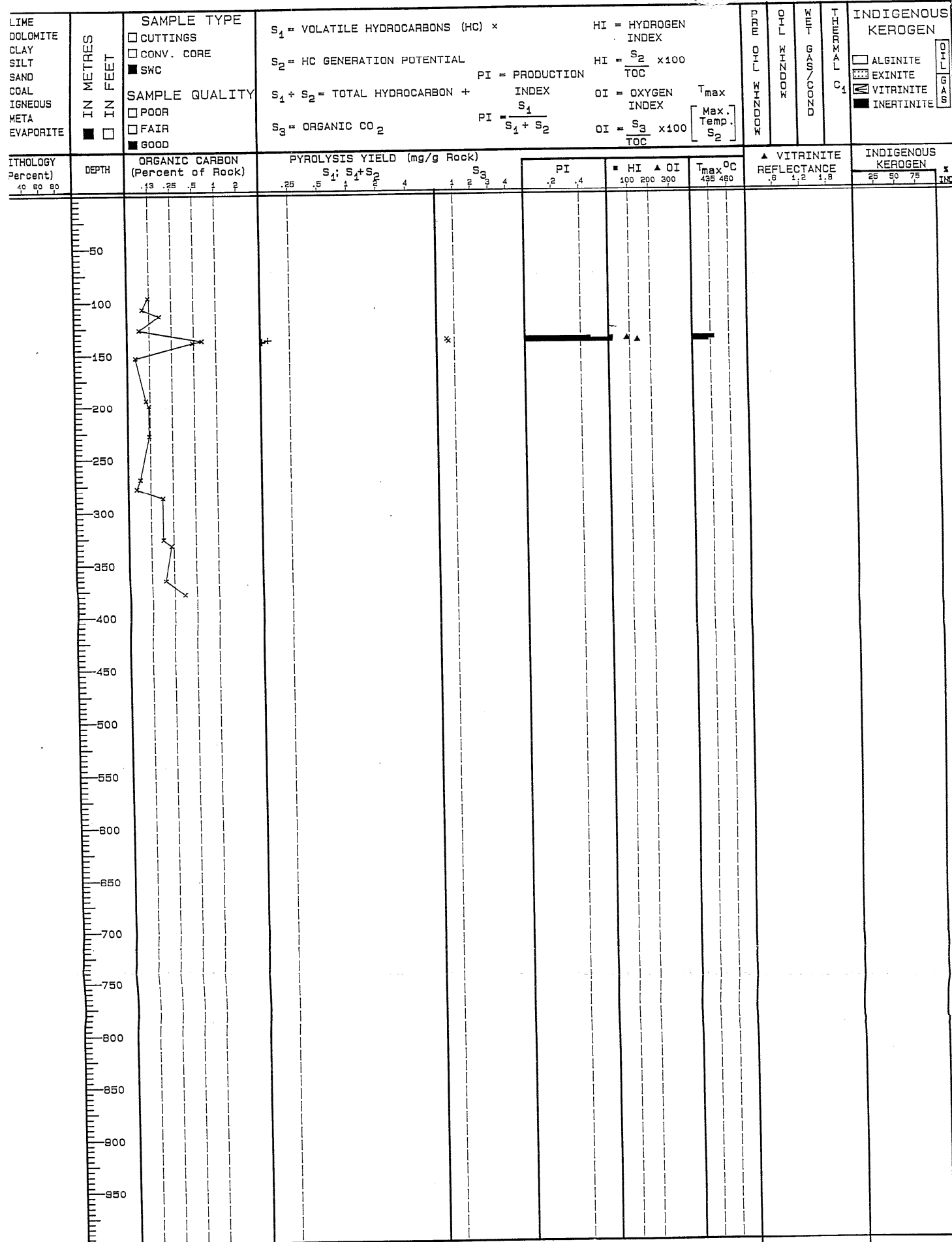


TABLE 1

ROCK-EVAL PYROLYSIS DATA

WELLNAME = MUNYARAI #1

DATE OF JOB = AUGUST 1984

SAMPLES	TMAX	S1	S2	S3	S1+S2	S2/S3	PI	PC	TOC	HI	OI
5554'	nd	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd
5556'	nd	nd	nd	nd	nd	nd	nd	nd	0.10	nd	nd
7008'	nd	nd	nd	nd	nd	nd	nd	nd	0.11	nd	nd
7511'	nd	nd	nd	nd	nd	nd	nd	nd	0.14	nd	nd
8000'	nd	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd
8314'	nd	nd	nd	nd	nd	nd	nd	nd	0.10	nd	nd
8564'	nd	nd	nd	nd	nd	nd	nd	nd	0.16	nd	nd
9034'	nd	nd	nd	nd	nd	nd	nd	nd	0.15	nd	nd
9504'	nd	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd

}

TMAX = Max. temperature S2
 S1+S2 = Potential yield
 PC = Pyrolysable carbon
 OI = Oxygen Index

S1 = Volatile hydrocarbons (HC)
 S3 = Organic carbon dioxide
 TOC = Total organic carbon
 nd = no data

S2 = HC generating potential
 PI = Production index
 HI = Hydrogen index

LITHOLOGY (Percent)		DEPTH		ORGANIC CARBON (Percent of Rock)		PYROLYSIS YIELD (mg/g Rock)										PI		HI		OI		T _{max} °C		▲ VITRINITE REFLECTANCE		INDIGENOUS KEROGEN	
0 40 80 80				.13 .25 .5 1 2		S ₁ : S ₁ +S ₂ S ₃										.2 .4		100 200 300		435 450		.5 1.2 1.8		25 50 75 100			

TABLE 1

ROCK-EVAL PYROLYSIS DATA (one run)

WELLNAME = MURNAROD #1

DATE OF JOB = AUGUST 1984

SAMPLES	TMAX	S1	S2	S3	S1+S2	S2/S3	PI	PC	TOC	HI	OI
55.90 a	nd	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd
56.80 a	nd	nd	nd	nd	nd	nd	nd	nd	0.08	nd	nd
57.25 a	nd	nd	nd	nd	nd	nd	nd	nd	0.07	nd	nd
61.75 a	nd	nd	nd	nd	nd	nd	nd	nd	0.14	nd	nd
68.55 a	nd	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd
92.90 a	nd	nd	nd	nd	nd	nd	nd	nd	0.24	nd	nd
95.35 a	nd	nd	nd	nd	nd	nd	nd	nd	0.17	nd	nd
124.40 a	nd	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd
131.80 a	nd	nd	nd	nd	nd	nd	nd	nd	0.08	nd	nd
158.75 a	422	0.07	0.51	0.50	0.58	1.02	0.12	0.05	0.53	96	94
161.60 a	nd	nd	nd	nd	nd	nd	nd	nd	0.22	nd	nd
164.70 a	nd	nd	nd	nd	nd	nd	nd	nd	0.12	nd	nd
182.40 a	426	0.14	1.40	0.71	1.54	1.97	0.09	0.13	0.72	194	98
185.35 a	424	0.14	1.04	0.70	1.18	1.49	0.12	0.10	0.60	173	116
191.30 a	nd	nd	nd	nd	nd	nd	nd	nd	0.44	nd	nd
213.15 a	nd	nd	nd	nd	nd	nd	nd	nd	0.14	nd	nd
215.15 a	nd	nd	nd	nd	nd	nd	nd	nd	0.07	nd	nd
229.50 a	nd	nd	nd	nd	nd	nd	nd	nd	0.10	nd	nd
266.15 a	nd	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd
271.15 a	nd	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd
297.20 a	nd	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd

TMAX = Max. temperature S2

S1+S2 = Potential yield

PC = Pyrolysable carbon

OI = Oxygen Index

S1 = Volatile hydrocarbons (HC)

S3 = Organic carbon dioxide

TOC = Total organic carbon

nd = no data

S2 = HC generating potential

PI = Production index

HI = Hydrogen index

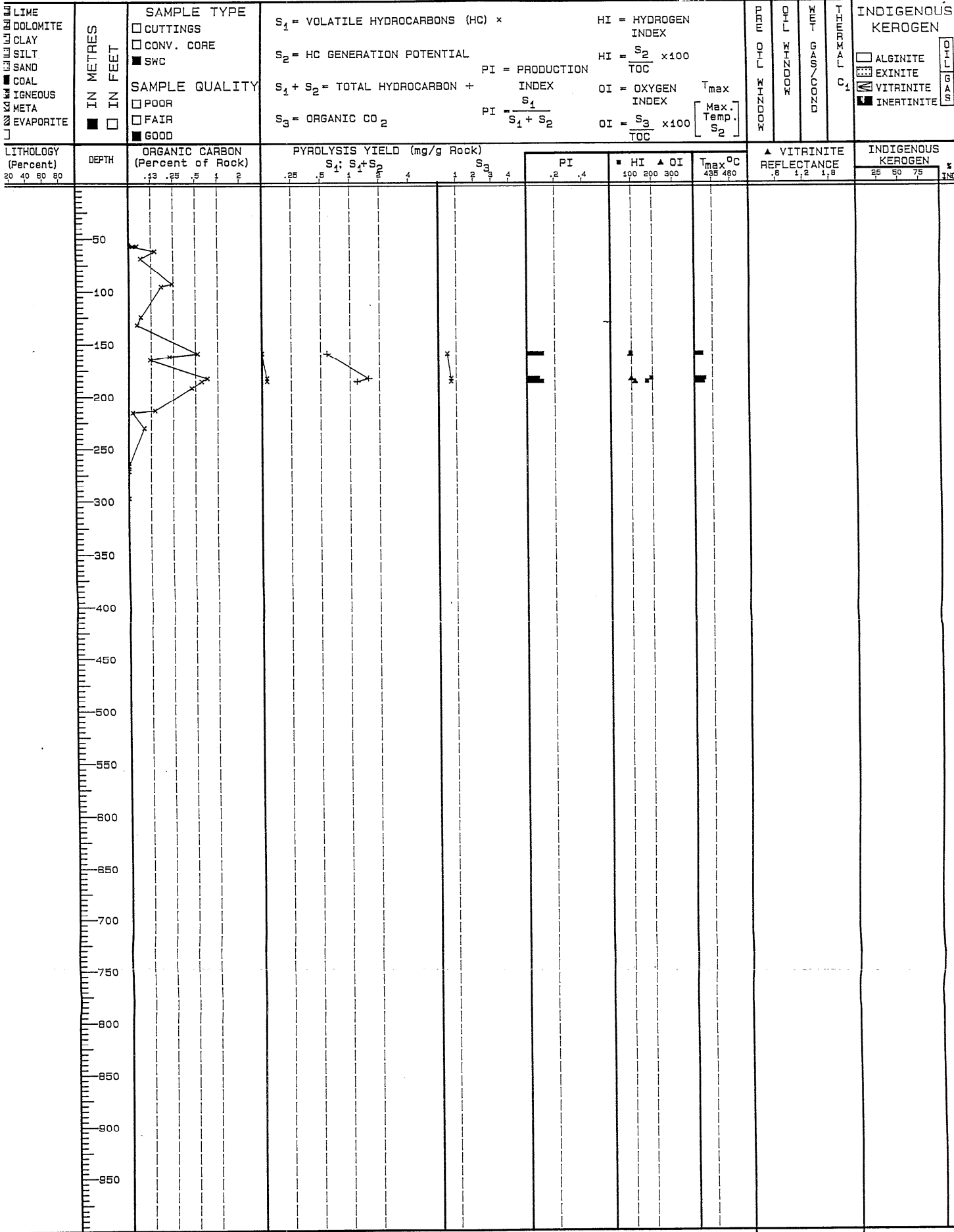


TABLE 1

ROCK-EVAL PYROLYSIS DATA (one run)

WELLNAME = WALLIRA WEST #1

DATE OF JOB = AUGUST 1984

SAMPLES	TMAX	S1	S2	S3	S1+S2	S2/S3	PI	PC	TOC	HI	OI
330.35 ■	440	0.31	0.58	0.67	0.89	0.87	0.35	0.07	0.47	123	142
331.40 ■	440	0.37	0.94	0.33	1.31	2.85	0.28	0.11	0.50	188	66
332.10 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.36	nd	nd
343.05 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.44	nd	nd
343.50 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.28	nd	nd
365.05 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.08	nd	nd
367.30 ■	nd	nd	nd	nd	nd	nd	nd	nd	0.10	nd	nd

}

TMAX = Max. temperature S2
 S1+S2 = Potential yield
 PC = Pyrolysable carbon
 OI = Oxygen Index

S1 = Volatile hydrocarbons (HC)
 S3 = Organic carbon dioxide
 TOC = Total organic carbon
 nd = no data

S2 = HC generating potential
 PI = Production index
 HI = Hydrogen index

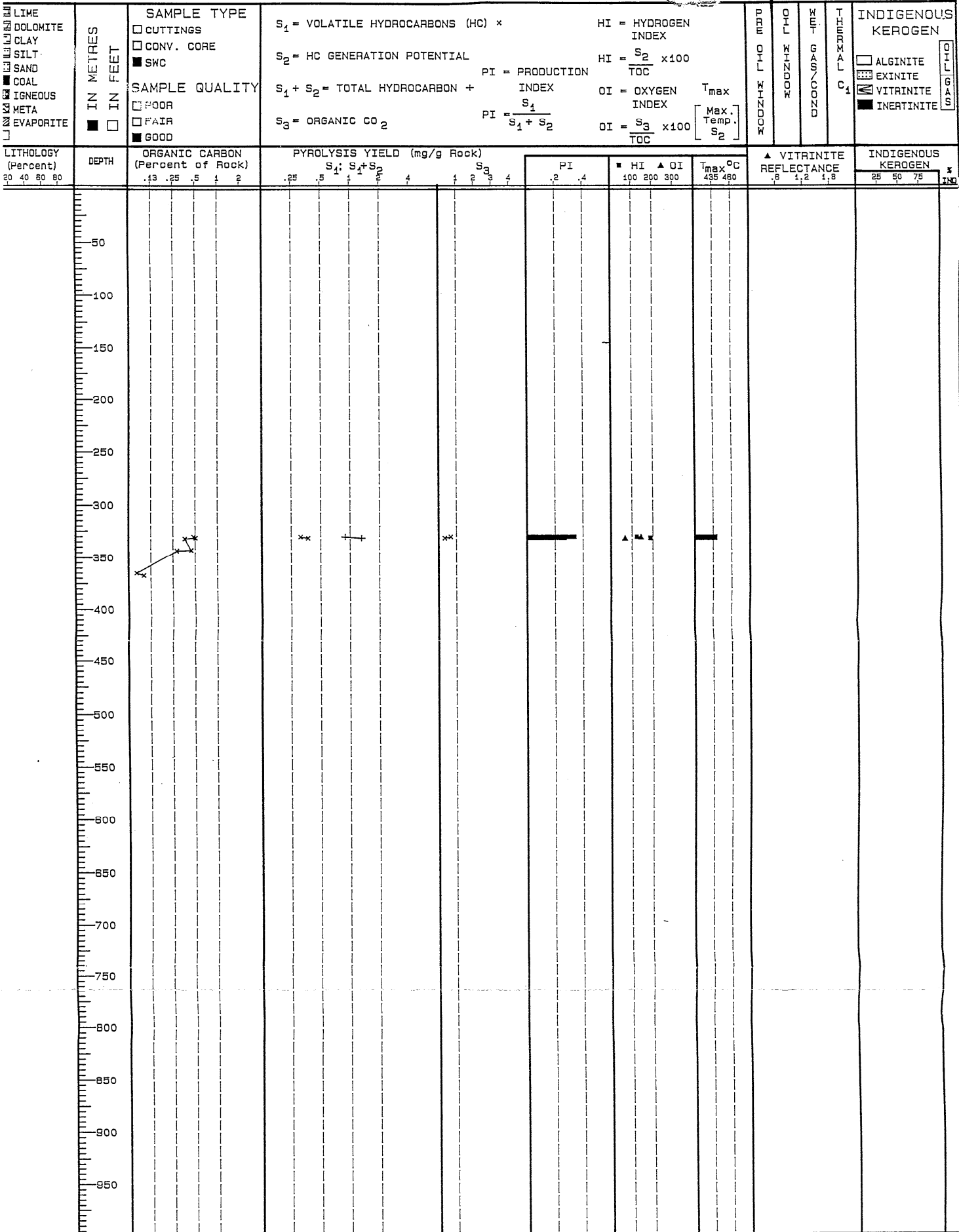


TABLE 1

ROCK-EVAL PYROLYSIS DATA

WELLNAME = WEEDINA #1

DATE OF JOB = AUGUST 1984

SAMPLES	TMAX	S1	S2	S3	S1+S2	S2/S3	PI	PC	TOC	HI	OI
902.65 #	nd	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd
903.35 #	nd	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd
1025.70 #	nd	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd
1152.20 #	nd	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd
1153.55 #	nd	nd	nd	nd	nd	nd	nd	nd	0.07	nd	nd
1514.40 #	nd	nd	nd	nd	nd	nd	nd	nd	0.08	nd	nd
1515.65 #	nd	nd	nd	nd	nd	nd	nd	nd	0.17	nd	nd

TMAX = Max. temperature
 S1+S2 = Potential yield
 PC = Pyrolysable carbon
 OI = Oxygen Index

S1 = Volatile hydrocarbons (HC)
 S3 = Organic carbon dioxide
 TOC = Total organic carbon
 nd = no data

S2 = HC generating potential
 PI = Production index
 HI = Hydrogen index

AUGUST 1984

ANA-LOG

HYDROCARBON SOURCE ROCK EVALUATION

THE SHELL COMPANY OF AUSTRALIA LTD.

WEEDINA #1

0321

LITHOLOGY (Percent)	DEPTH	ORGANIC CARBON (Percent of Rock)	PYROLYSIS YIELD (mg/g Rock)				PI	HI	OI	T _{max} °C	▲ VITRINITE REFLECTANCE	INDIGENOUS KEROGEN
			S ₁	S ₂	S ₁ +S ₂	S ₃						
LIME DOLOMITE CLAY SILT SAND COAL IGNEOUS META EVAPORITE	IN METRES IN FEET	SAMPLE TYPE ☐ CUTTINGS ☐ CONV. CORE ☒ SWC SAMPLE QUALITY ☐ POOR ☐ FAIR ☒ GOOD	S ₁ = VOLATILE HYDROCARBONS (HC) × S ₂ = HC GENERATION POTENTIAL S ₁ + S ₂ = TOTAL HYDROCARBON + S ₃ = ORGANIC CO ₂				PI = PRODUCTION INDEX $PI = \frac{S_1}{S_1 + S_2}$	HI = HYDROGEN INDEX $HI = \frac{S_2}{TOC} \times 100$ OI = OXYGEN INDEX $OI = \frac{S_3}{TOC} \times 100$	T _{max} [Max. Temp. S ₂]	PERM OIL W/NOOZ OIL W/NOOZ WET GAS/COND THERMAL C ₁	INDIGENOUS KEROGEN ☐ ALGINITE ☐ EXINITE ☐ VITRINITE ☒ INERTINITE	
20 40 60 80		.13 .25 .5 1 2	.5 1 2 3 4	1 2 3 4	.2 .4	100 200 300	435 450	.6 1.2 1.8	25 50 75	%		
50												
100												
150												
200												
250												
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1850												
1900												
1950												

TABLE 1

ROCK-EVAL PYROLYSIS DATA

WELLNAME = WILKATANA #1

DATE OF JOB = AUGUST 1984

SAMPLES	TMAX	S1	S2	S3	S1+S2	S2/S3	PI	PC	TOC	HI	OI
770'	nd	nd	nd	nd	nd	nd	nd	nd	0.16	nd	nd
775' 6"	nd	nd	nd	nd	nd	nd	nd	nd	0.12	nd	nd
783' 3"	nd	nd	nd	nd	nd	nd	nd	nd	0.11	nd	nd
801' 7"	nd	nd	nd	nd	nd	nd	nd	nd	0.12	nd	nd
905'	nd	nd	nd	nd	nd	nd	nd	nd	0.11	nd	nd
994' 2"	nd	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd
1052' 2"	nd	nd	nd	nd	nd	nd	nd	nd	0.03	nd	nd
1099' 5"	nd	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd
1118' 9"	nd	nd	nd	nd	nd	nd	nd	nd	0.16	nd	nd
1146'	nd	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd
1248' 9"	nd	nd	nd	nd	nd	nd	nd	nd	0.15	nd	nd
1327' 6"	nd	nd	nd	nd	nd	nd	nd	nd	0.07	nd	nd
1344' 8"	nd	nd	nd	nd	nd	nd	nd	nd	0.11	nd	nd
1540' 9"	nd	nd	nd	nd	nd	nd	nd	nd	0.08	nd	nd
1825' 2"	nd	nd	nd	nd	nd	nd	nd	nd	0.11	nd	nd

TMAX = Max. temperature
S1+S2 = Potential yield
PC = Pyrolysable carbon
OI = Oxygen Index

S1 = Volatile hydrocarbons (HC)
S3 = Organic carbon dioxide
TOC = Total organic carbon
nd = no data

S2 = HC generating potential
PI = Production index
HI = Hydrogen index

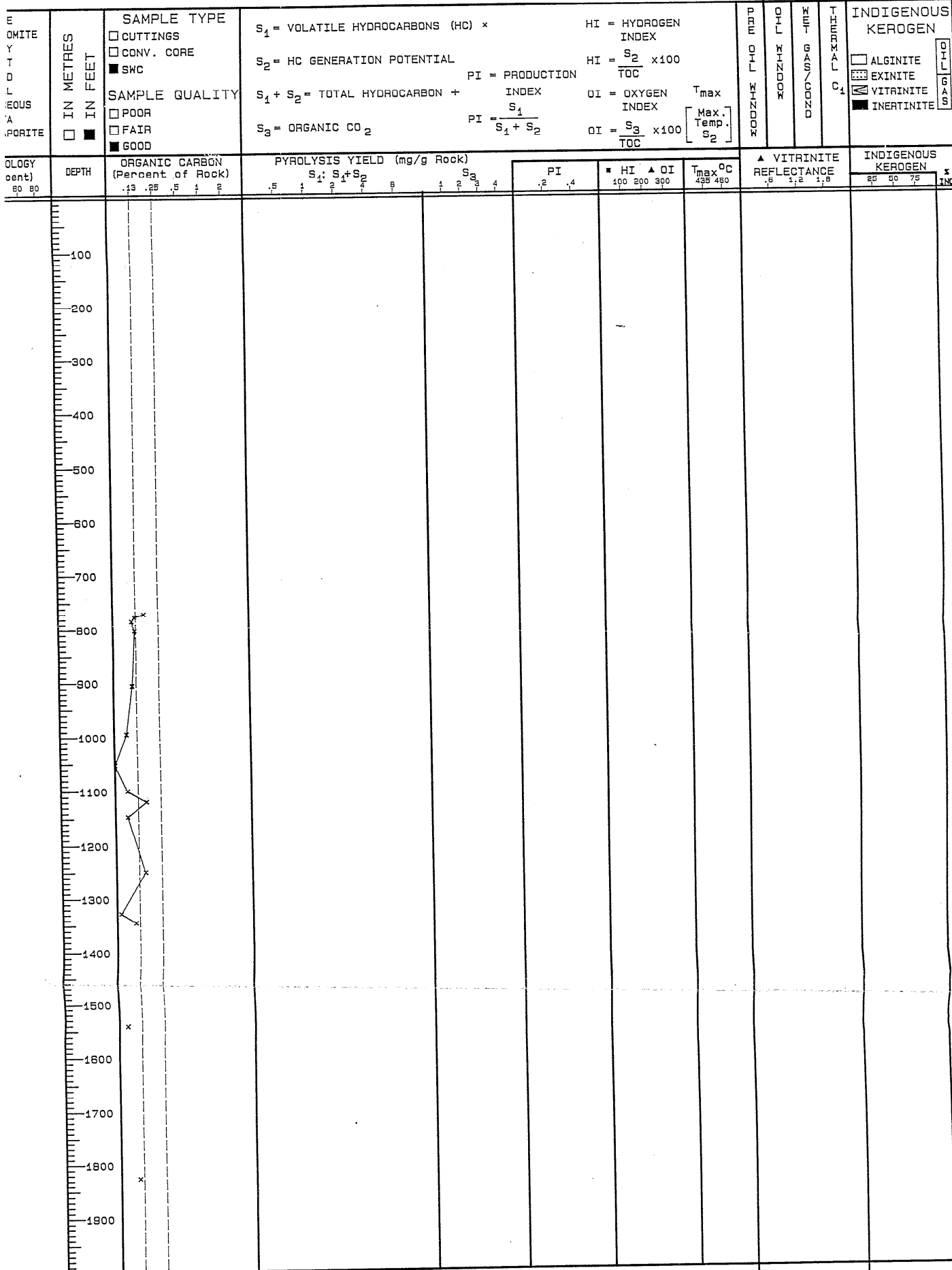


TABLE 1

ROCK-EVAL PYROLYSIS DATA (one run)

WELLNAME = WILKINSON #1

DATE OF JOB = AUGUST 1984

SAMPLES	TMAX	S1	S2	S3	S1+S2	S2/S3	PI	PC	TOC	HI	OI
314.45 #	nd	nd	nd	nd	nd	nd	nd	nd	0.28	nd	nd
344.35 #	422	0.16	1.75	0.57	1.91	3.07	0.08	0.16	0.72	243	79
344.65 #	424	0.13	1.51	0.54	1.64	2.80	0.08	0.14	0.78	193	69
389.33 #	nd	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd
389.90 #	nd	nd	nd	nd	nd	nd	nd	nd	0.21	nd	nd
390.45 #	nd	nd	nd	nd	nd	nd	nd	nd	0.34	nd	nd
461.12 #	nd	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd
462.10 #	431	0.42	1.32	0.37	1.74	3.57	0.24	0.14	0.58	227	63
463.80 #	nd	nd	nd	nd	nd	nd	nd	nd	0.28	nd	nd
480.85 #	433	0.85	4.50	0.55	5.35	8.18	0.16	0.44	1.10	409	50
493.23 #	nd	nd	nd	nd	nd	nd	nd	nd	0.21	nd	nd
511.10 #	nd	nd	nd	nd	nd	nd	nd	nd	0.19	nd	nd
529.35 #	nd	nd	nd	nd	nd	nd	nd	nd	0.22	nd	nd
534.28 #	nd	nd	nd	nd	nd	nd	nd	nd	0.12	nd	nd
553.20 #	nd	nd	nd	nd	nd	nd	nd	nd	0.24	nd	nd
656.65 #	nd	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd
669.93 #	nd	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd

TMAX = Max. temperature S2

S1+S2 = Potential yield

PC = Pyrolysable carbon

OI = Oxygen Index

S1 = Volatile hydrocarbons (HC)

S3 = Organic carbon dioxide

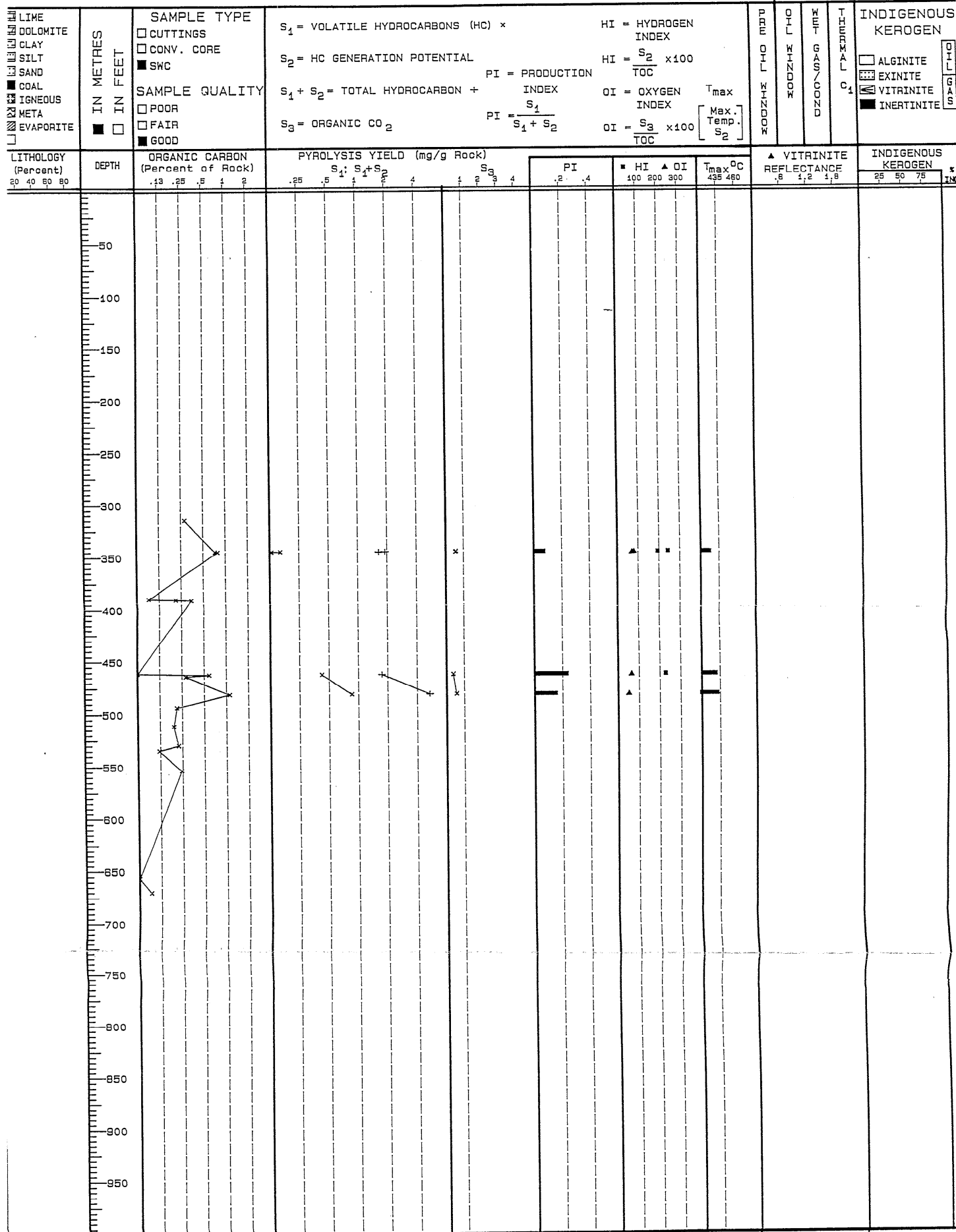
TOC = Total organic carbon

nd = no data

S2 = HC generating potential

PI = Production index

HI = Hydrogen index



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Chief: Dr. B.J.J. Embleton

OPEN FILE	
24/11/91	dlb
Date	Initials
Released	

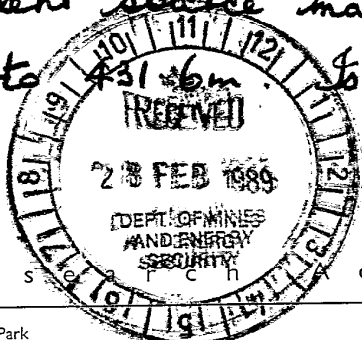
24th February, 1989.

Dear Colin,

Please find enclosed some results for samples from Tunga Tunga which we collected about 10 years ago. I'm not sure if I ever sent these, or not. The full study was never made, due to people leaving, etc.

Also enclosed are results for the Officer Basin.

I'm not sure what I'm supposed to do with the SADME sheets you gave me. About 20 samples remain to be analysed, but I don't hold much hope for them. You will notice a little patch of excellent source material in Lake Maurice West 1, 416.9 to 431.6m. Is there much of this rock about?



Regards

Michelle

R 28/2/89

Smith

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