

Vitrinite reflectance data of ditch cuttings from the Arco Alaska Inc.
Arco/Ciri Funny River No. 1 well

Received 14 October 1988

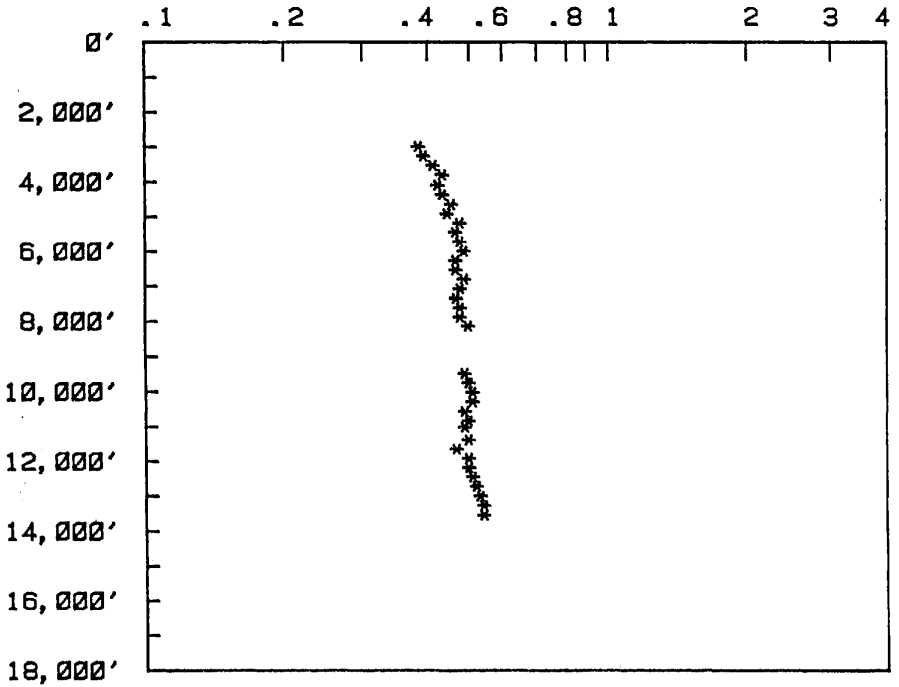
Total of 53 pages in report

Geologic Materials Center Data Report No. 93

Analysis Done —
By R. Makade

ARCO FUNNY RIVER#1

DEPTH	% REFL.
0	.40
100	.41
200	.42
300	.43
400	.44
500	.45
600	.46
700	.47
800	.48
900	.49
1000	.50
1100	.51
1200	.52
1300	.53
1400	.54
1500	.55
1600	.56
1700	.57
1800	.58
1900	.59
2000	.60
2100	.61
2200	.62
2300	.63
2400	.64
2500	.65
2600	.66
2700	.67
2800	.68
2900	.69
3000	.70
3100	.71
3200	.72
3300	.73
3400	.74
3500	.75
3600	.76
3700	.77
3800	.78
3900	.79
4000	.80
4100	.81
4200	.82
4300	.83
4400	.84
4500	.85
4600	.86
4700	.87
4800	.88
4900	.89
5000	.90
5100	.91
5200	.92
5300	.93
5400	.94
5500	.95
5600	.96
5700	.97
5800	.98
5900	.99
6000	1.00
6100	1.01
6200	1.02
6300	1.03
6400	1.04
6500	1.05
6600	1.06
6700	1.07
6800	1.08
6900	1.09
7000	1.10
7100	1.11
7200	1.12
7300	1.13
7400	1.14
7500	1.15
7600	1.16
7700	1.17
7800	1.18
7900	1.19
8000	1.20
8100	1.21
8200	1.22
8300	1.23
8400	1.24
8500	1.25
8600	1.26
8700	1.27
8800	1.28
8900	1.29
9000	1.30
9100	1.31
9200	1.32
9300	1.33
9400	1.34
9500	1.35
9600	1.36
9700	1.37
9800	1.38
9900	1.39
10000	1.40
10100	1.41
10200	1.42
10300	1.43
10400	1.44
10500	1.45
10600	1.46
10700	1.47
10800	1.48
10900	1.49
11000	1.50
11100	1.51
11200	1.52
11300	1.53
11400	1.54
11500	1.55
11600	1.56
11700	1.57
11800	1.58
11900	1.59
12000	1.60
12100	1.61
12200	1.62
12300	1.63
12400	1.64
12500	1.65
12600	1.66
12700	1.67
12800	1.68
12900	1.69
13000	1.70
13100	1.71
13200	1.72
13300	1.73
13400	1.74
13500	1.75
13600	1.76
13700	1.77
13800	1.78
13900	1.79
14000	1.80
14100	1.81
14200	1.82
14300	1.83
14400	1.84
14500	1.85
14600	1.86
14700	1.87
14800	1.88
14900	1.89
15000	1.90
15100	1.91
15200	1.92
15300	1.93
15400	1.94
15500	1.95
15600	1.96
15700	1.97
15800	1.98
15900	1.99
16000	2.00
16100	2.01
16200	2.02
16300	2.03
16400	2.04
16500	2.05
16600	2.06
16700	2.07
16800	2.08
16900	2.09
17000	2.10
17100	2.11
17200	2.12
17300	2.13
17400	2.14
17500	2.15
17600	2.16
17700	2.17
17800	2.18
17900	2.19
18000	2.20

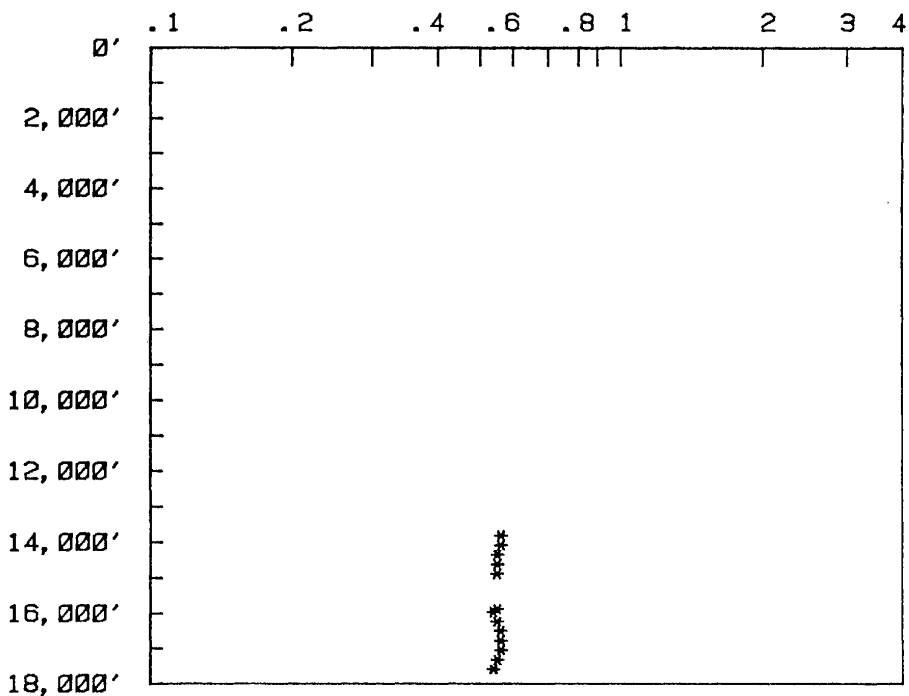


DEPTH vs REFLECTANCE

ARCO FUNNY RIVER#1

DEPTH % REFL.

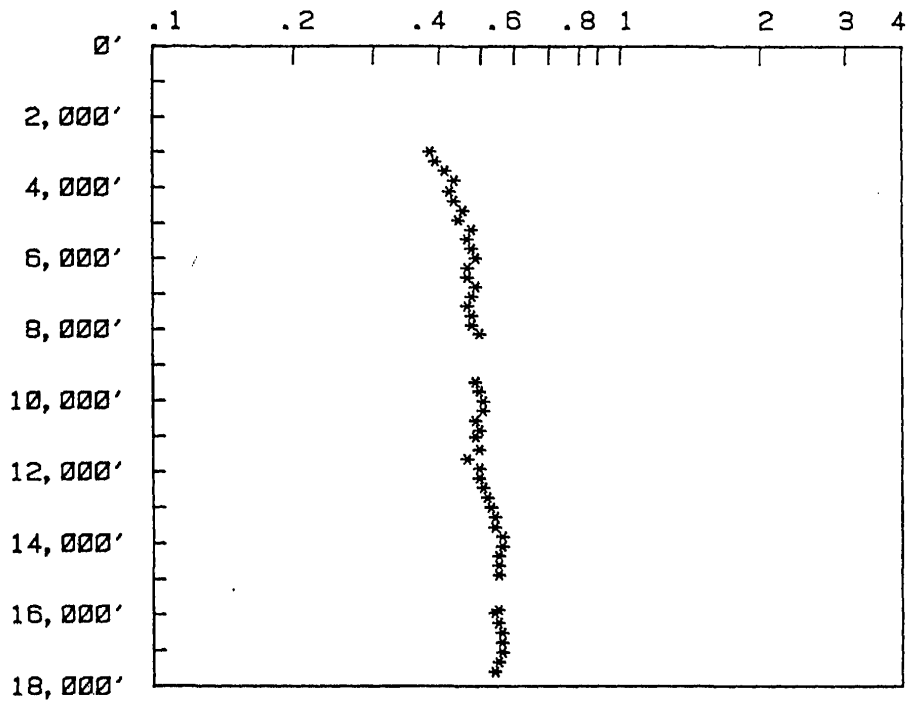
13820 .57
 14090 .57
 14360 .56
 14630 .56
 14890 .56
 15880 .56
 15970 .55
 16240 .56
 16510 .57
 16780 .57
 17050 .57
 17320 .56
 17590 .55



DEPTH vs REFLECTANCE

All Data Combined

ARCO FUNNY RIVER#1

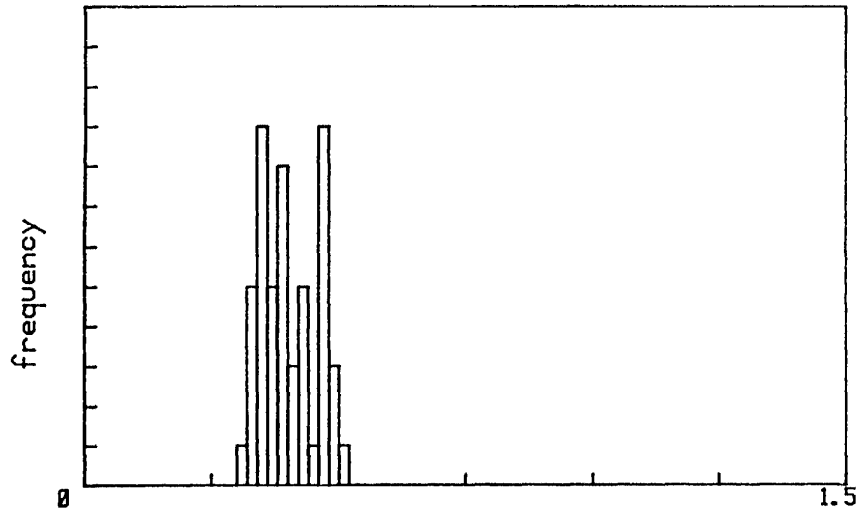


DEPTH vs REFLECTANCE

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
3000-3090 FT

DITCH SAMPLE



R_o VALUES

.31	.32	.32	.33	.33	.33
.34	.34	.35	.35	.35	.35
.35	.35	.35	.36	.37	.37
.37	.37	.38	.38	.38	.38
.39	.39	.39	.39	.41	.41
.41	.43	.43	.43	.43	.43
.45	.46	.46	.47	.47	.47
.47	.47	.47	.47	.49	.49
.49	.5				

NO OF MEAS. = 50

AVE. REFL. .4

STD. DEV = .06

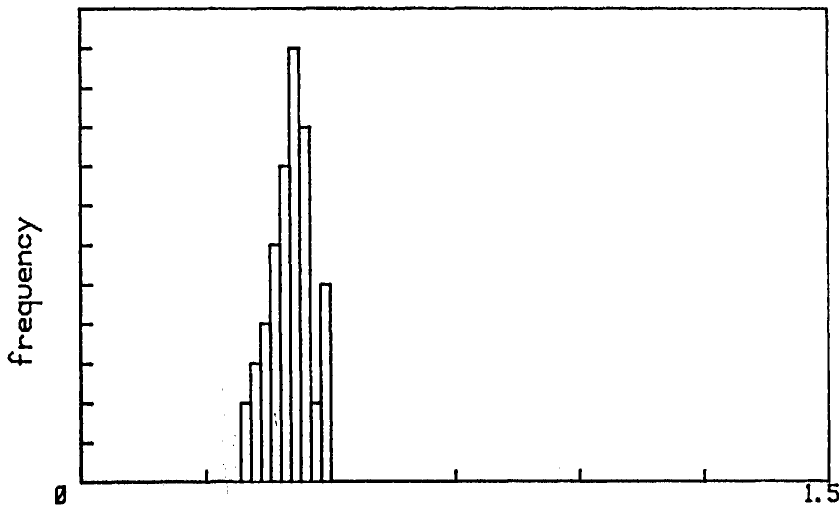
VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
3270-3360 FT

DITCH SAMPLE

R_o VALUES

.32	.33	.34	.34	.35	.36
.36	.37	.37	.38	.38	.38
.38	.39	.39	.4	.4	.4
.4	.41	.41	.41	.41	.42
.42	.42	.42	.42	.43	.43
.43	.43	.43	.43	.44	.44
.44	.44	.44	.44	.45	.45
.45	.46	.47	.48	.48	.48
.49	.49				



NO OF MEAS. = 50

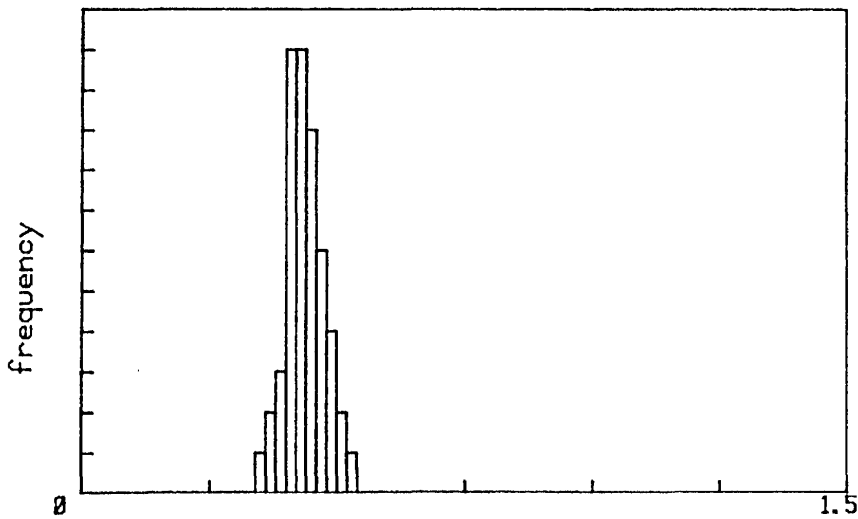
AVE. REFL. .41

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
3540-3630 FT

DITCH SAMPLE



R_o VALUES

.35	.36	.37	.38	.39	.39
.4	.4	.4	.4	.41	.41
.41	.41	.41	.41	.41	.42
.42	.42	.42	.43	.43	.43
.43	.43	.43	.43	.44	.44
.44	.44	.44	.45	.45	.45
.45	.46	.46	.47	.47	.47
.47	.48	.48	.48	.48	.51
.51	.53				

NO OF MEAS. = 50

AVE. REFL. .43

STD. DEV = .04

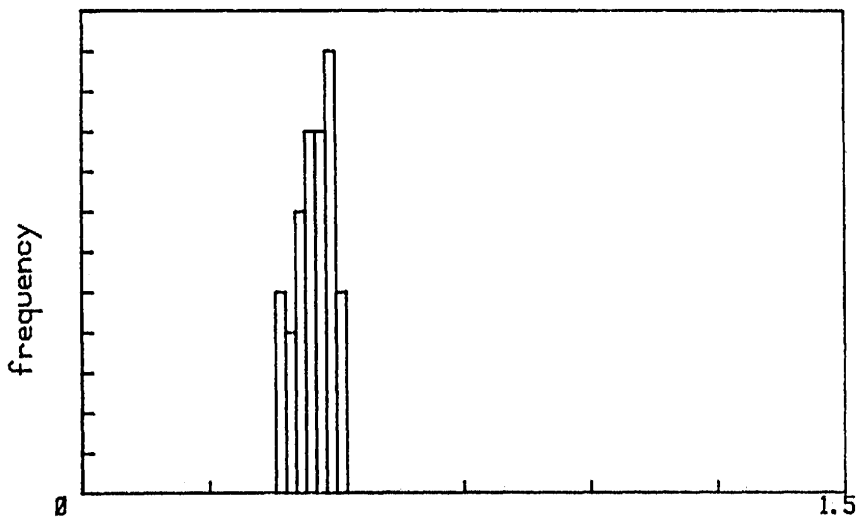
VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
3810-3900 FT

DITCH SAMPLE

R_o VALUES

.38	.38	.38	.38	.39	.4
.4	.41	.41	.42	.42	.42
.42	.42	.42	.43	.44	.44
.44	.44	.44	.44	.44	.45
.45	.46	.46	.46	.46	.46
.46	.47	.47	.47	.48	.48
.48	.48	.48	.48	.48	.48
.49	.49	.49	.5	.5	.5
.51	.51				



NO OF MEAS. = 50

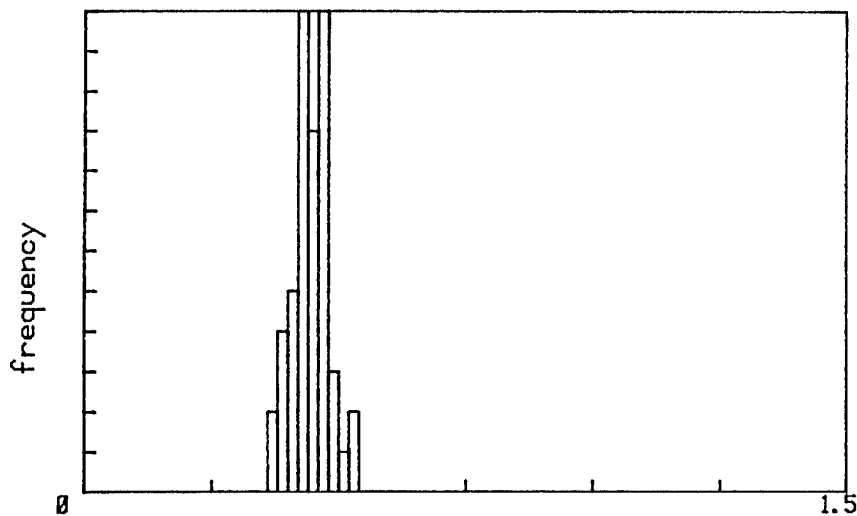
AVE. REFL. .45

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
4110-4200 FT

DITCH SAMPLE



R_o VALUES

.37	.37	.38	.38	.38	.39
.4	.4	.41	.41	.41	.42
.42	.43	.43	.43	.43	.43
.43	.43	.43	.43	.43	.44
.44	.44	.44	.45	.45	.45
.45	.45	.46	.46	.46	.46
.46	.46	.46	.46	.47	.47
.47	.47	.48	.48	.49	.51
.52	.53				

NO OF MEAS. = 50

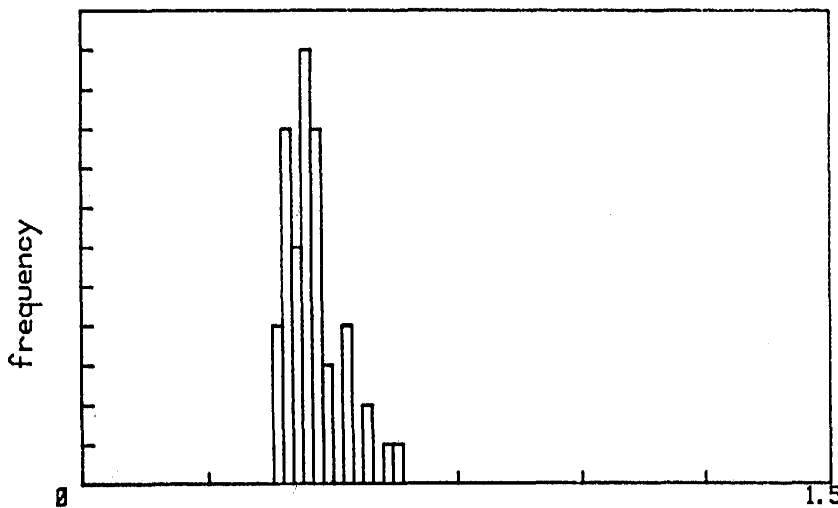
AVE. REFL. .44

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
4380-4470 FT

DITCH SAMPLE



R_o VALUES

.38	.38	.38	.39	.4	.4
.4	.41	.41	.41	.41	.41
.41	.42	.42	.43	.43	.43
.43	.44	.44	.44	.44	.44
.44	.44	.44	.45	.45	.45
.46	.46	.46	.46	.46	.46
.47	.47	.47	.48	.49	.49
.52	.53	.53	.53	.56	.56
.6	.62				

NO OF MEAS. = 50

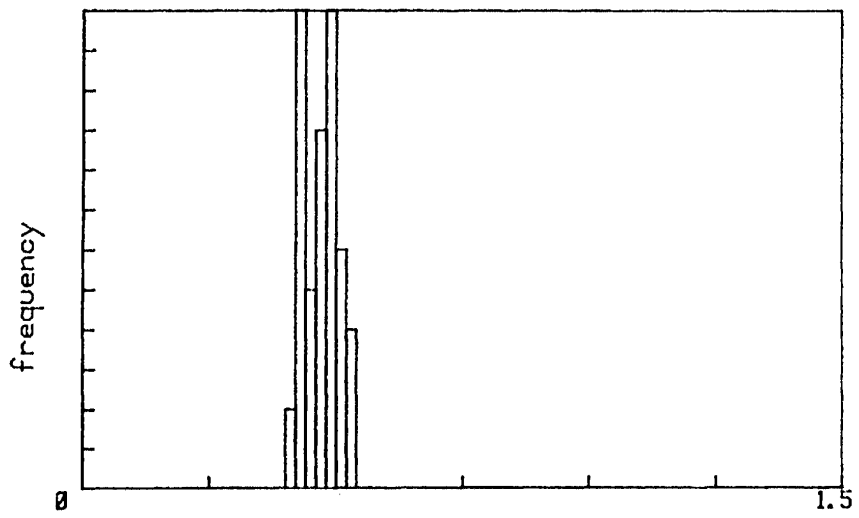
AVE. REFL. .45

STD. DEV = .05

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
4650-4740 FT

DITCH SAMPLE



R_o VALUES

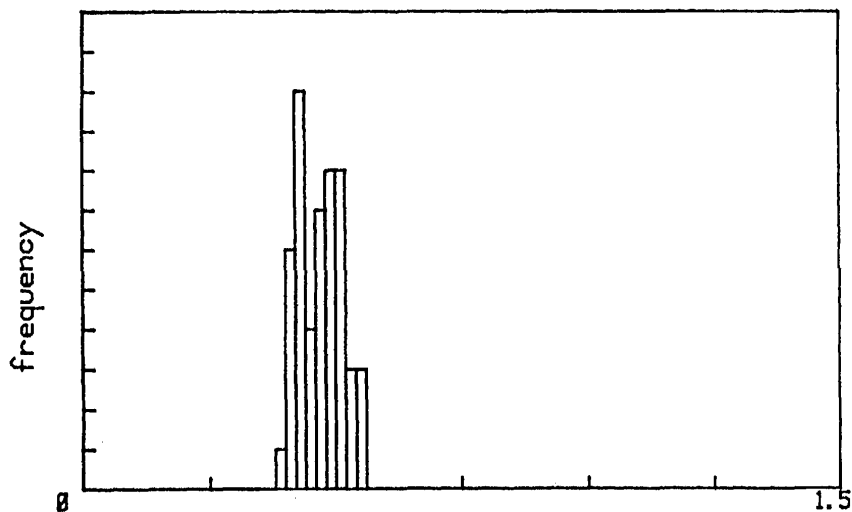
.4	.41	.42	.42	.42	.42
.43	.43	.43	.43	.43	.43
.43	.43	.45	.45	.45	.45
.45	.46	.46	.46	.46	.46
.46	.47	.47	.47	.48	.48
.48	.48	.48	.48	.48	.48
.48	.48	.49	.49	.5	.5
.5	.51	.51	.51	.52	.52
.52	.53				

NO OF MEAS. = 50
AVE. REFL. .47
STD. DEV = .03

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
4920-5010 FT

DITCH SAMPLE



R_o VALUES

.39	.4	.4	.4	.4	.41
.41	.42	.42	.42	.42	.43
.43	.43	.43	.43	.43	.45
.45	.45	.45	.46	.46	.46
.46	.47	.47	.47	.48	.48
.48	.48	.48	.48	.48	.49
.5	.5	.5	.5	.51	.51
.51	.51	.52	.52	.53	.54
.54	.55				

NO OF MEAS. = 50

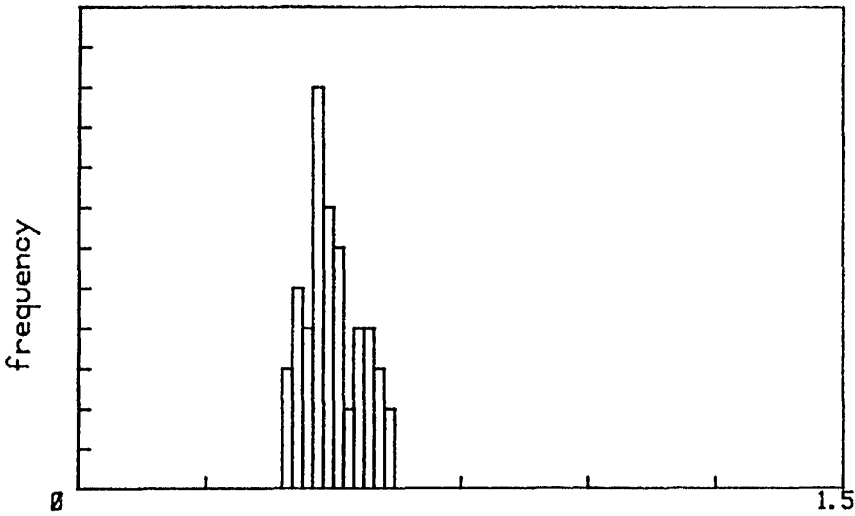
AVE. REFL. .46

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
5190-5280 FT

DITCH SAMPLE



R_o VALUES

.4	.41	.41	.42	.42	.43
.43	.43	.44	.44	.44	.45
.46	.46	.46	.46	.46	.46
.46	.47	.47	.47	.48	.48
.48	.49	.49	.49	.49	.5
.5	.51	.51	.51	.51	.52
.53	.54	.55	.55	.55	.56
.56	.56	.56	.58	.59	.59
.6	.61				

NO OF MEAS. = 50

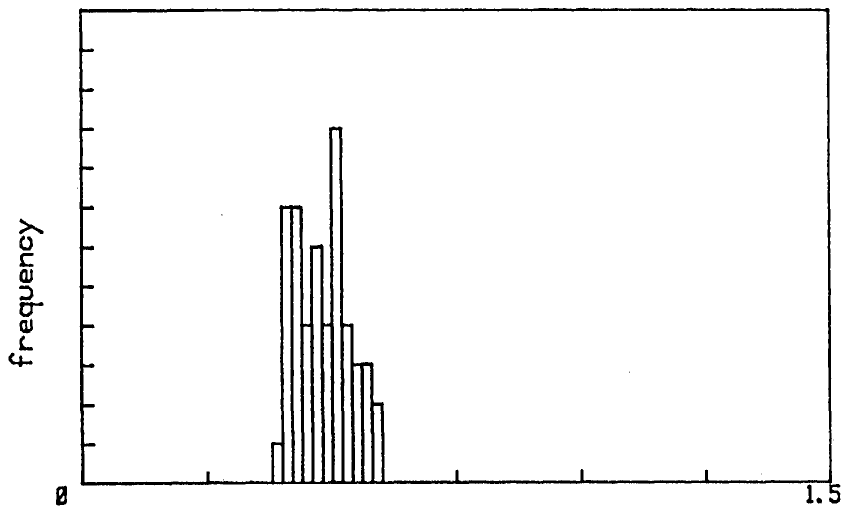
AVE. REFL. .49

STD. DEV = .06

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
5460-5550 FT

DITCH SAMPLE



R_o VALUES

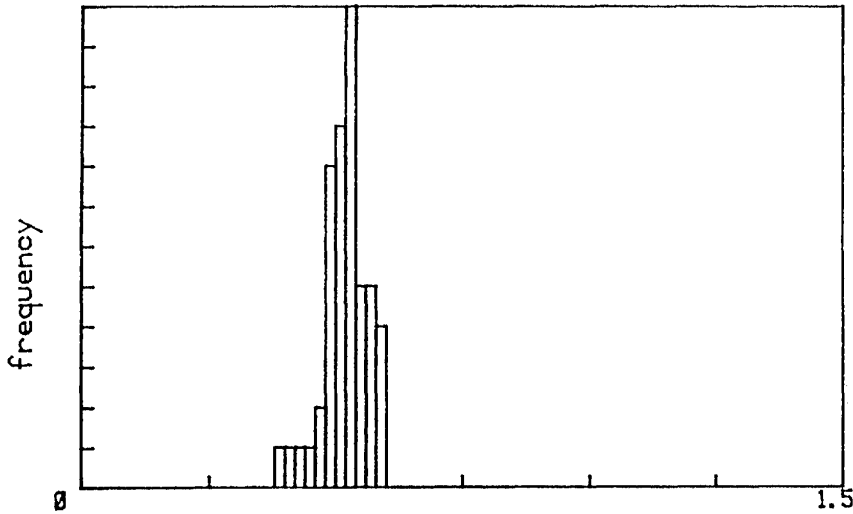
.39	.4	.4	.4	.4	.41
.41	.41	.42	.42	.42	.42
.43	.43	.43	.44	.44	.44
.45	.46	.46	.46	.47	.47
.47	.48	.49	.49	.49	.5
.5	.5	.5	.5	.51	.51
.51	.51	.52	.52	.53	.53
.55	.55	.55	.56	.57	.57
.58	.58				

NO OF MEAS. = 50
AVE. REFL. .48
STD. DEV = .06

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
5730-5820 FT

DITCH SAMPLE



R_o VALUES

.39	.4	.42	.44	.47	.47
.48	.48	.48	.48	.49	.49
.49	.49	.5	.5	.5	.5
.5	.5	.51	.51	.51	.52
.52	.52	.52	.52	.52	.52
.53	.53	.53	.53	.53	.53
.54	.54	.55	.55	.55	.56
.56	.56	.57	.57	.58	.58
.58	.59				

NO OF MEAS. = 50

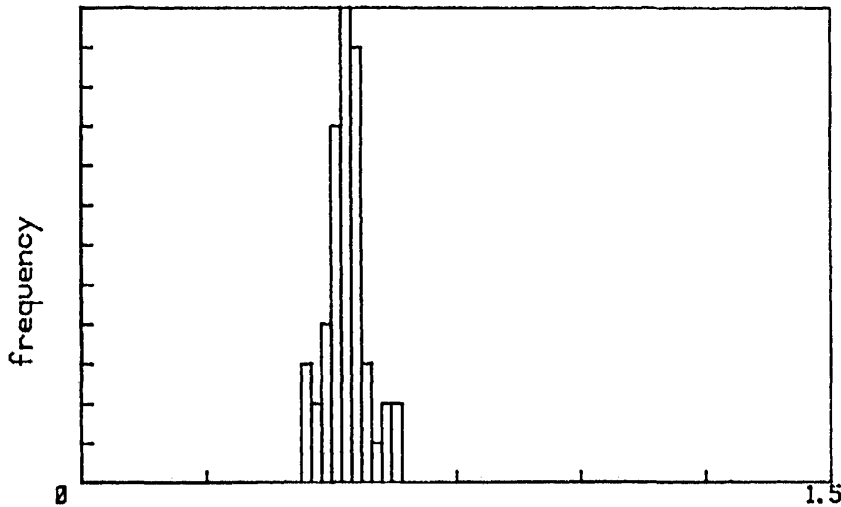
AVE. REFL. .51

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
6000-6090 FT

DITCH SAMPLE



R_o VALUES

.44	.45	.45	.46	.47	.48
.48	.49	.49	.5	.5	.5
.5	.51	.51	.51	.51	.51
.52	.52	.52	.52	.52	.52
.52	.53	.53	.53	.53	.53
.53	.54	.54	.54	.54	.54
.54	.55	.55	.55	.55	.55
.56	.56	.57	.59	.6	.6
.62	.62				

NO OF MEAS. = 50

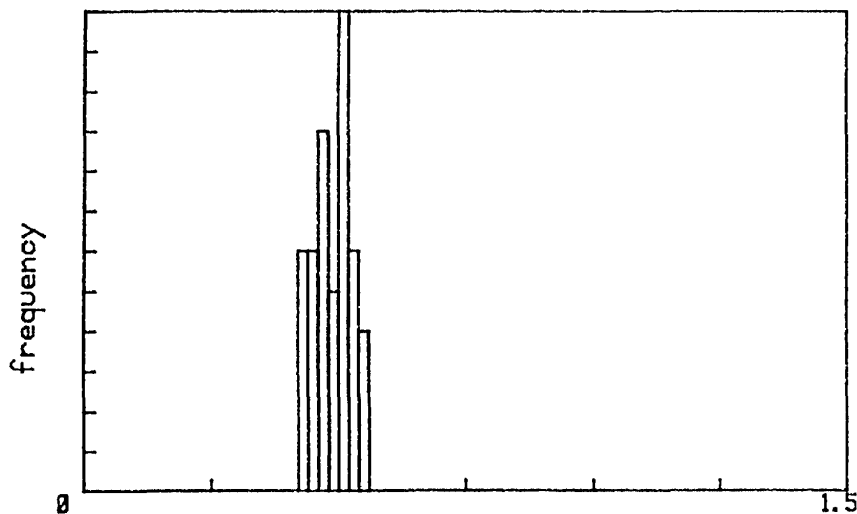
AVE. REFL. .53

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
6270-6360 FT

DITCH SAMPLE



R_o VALUES

.42	.42	.43	.43	.43	.43
.44	.44	.44	.45	.45	.45
.46	.46	.46	.46	.46	.46
.46	.47	.47	.48	.48	.49
.49	.49	.5	.5	.5	.5
.5	.5	.51	.51	.51	.51
.51	.51	.51	.51	.52	.52
.52	.52	.52	.53	.54	.54
.55	.55				

NO OF MEAS. = 50

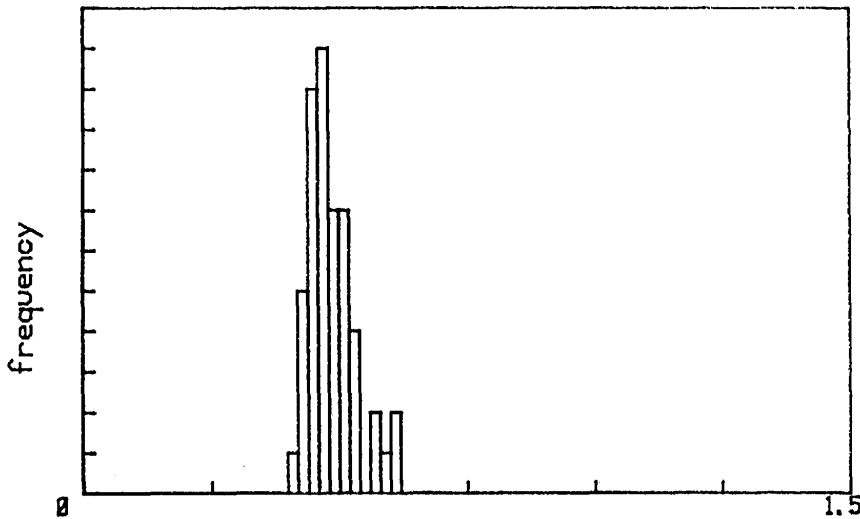
AVE. REFL. .48

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
6540-6630 FT

DITCH SAMPLE



R_o VALUES

.41	.42	.42	.42	.43	.43
.44	.44	.44	.44	.45	.45
.45	.45	.45	.45	.46	.46
.46	.46	.46	.47	.47	.47
.47	.47	.47	.48	.49	.49
.49	.49	.49	.49	.5	.5
.5	.51	.51	.51	.51	.52
.52	.53	.53	.56	.57	.59
.6	.61				

NO OF MEAS. = 50

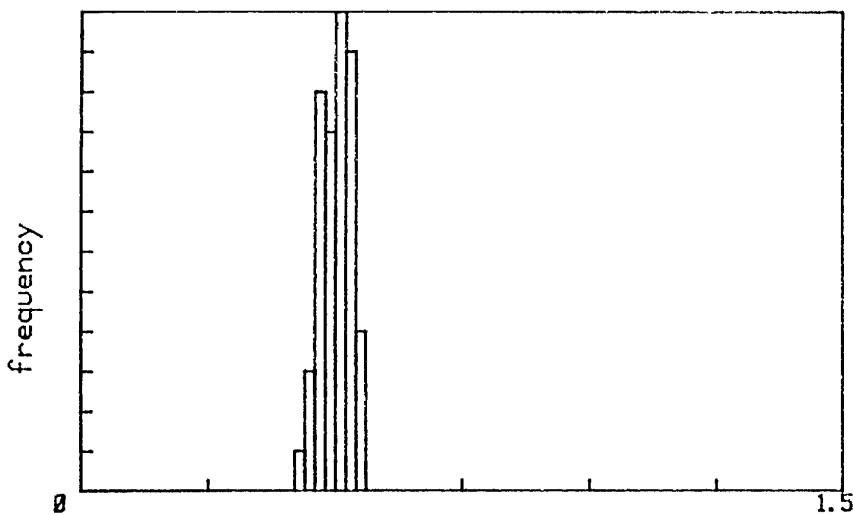
AVE. REFL. .48

STD. DEV = .05

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
6810-6900 FT

DITCH SAMPLE



R_o VALUES

.43	.45	.45	.45	.46	.46
.46	.46	.46	.46	.46	.47
.47	.47	.48	.48	.48	.48
.49	.49	.49	.49	.49	.5
.5	.5	.5	.5	.5	.5
.5	.51	.51	.51	.51	.52
.52	.52	.52	.52	.52	.53
.53	.53	.53	.53	.54	.54
.55	.55				

NO OF MEAS. = 50

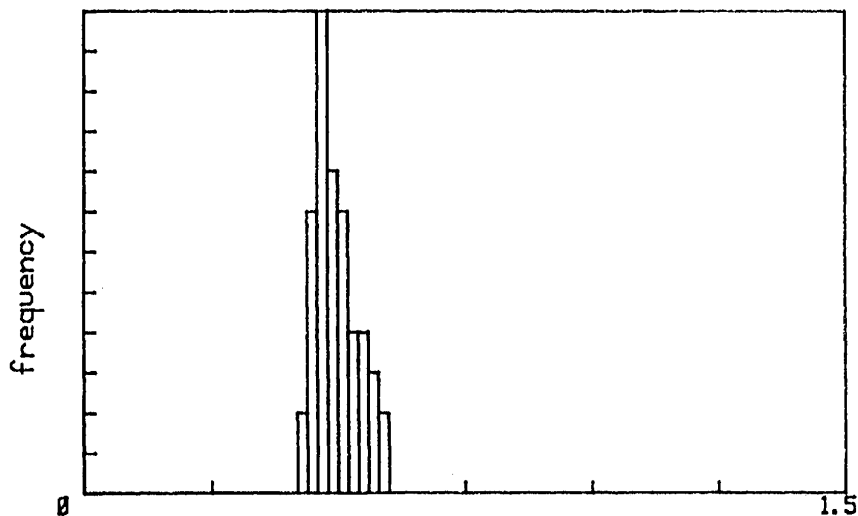
AVE. REFL. .5

STD. DEV = .03

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
7080-7170 FT

DITCH SAMPLE



R_o VALUES

.43	.43	.44	.44	.44	.45
.45	.45	.45	.46	.46	.46
.47	.47	.47	.47	.47	.47
.47	.47	.47	.47	.48	.48
.48	.49	.49	.49	.49	.49
.5	.5	.5	.5	.5	.51
.51	.52	.53	.53	.53	.54
.55	.55	.55	.56	.56	.57
.58	.58				

NO OF MEAS. = 50

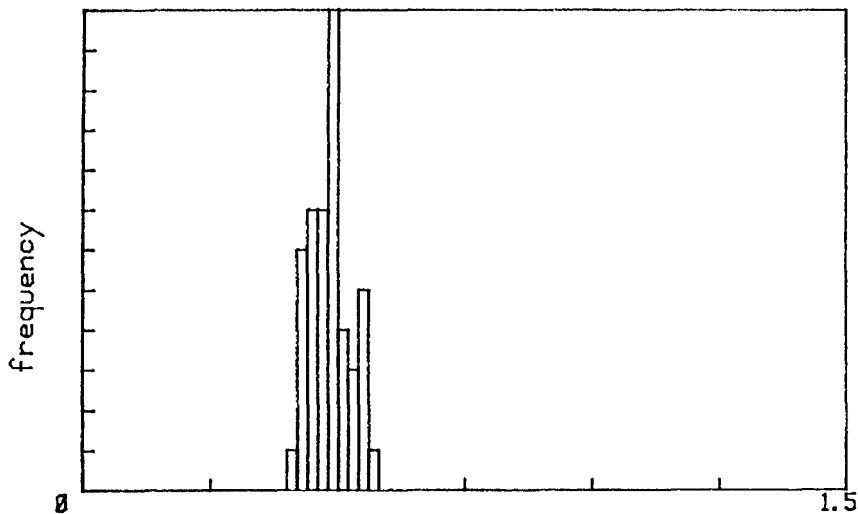
AVE. REFL. .49

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
7350-7440 FT

DITCH SAMPLE



R_o VALUES

.41	.42	.42	.43	.43	.43
.43	.44	.44	.44	.44	.45
.45	.45	.46	.46	.46	.46
.46	.47	.47	.48	.48	.48
.48	.48	.48	.48	.48	.49
.49	.49	.49	.49	.49	.49
.49	.5	.5	.51	.51	.52
.53	.53	.54	.54	.55	.55
.55	.56				

NO OF MEAS. = 50

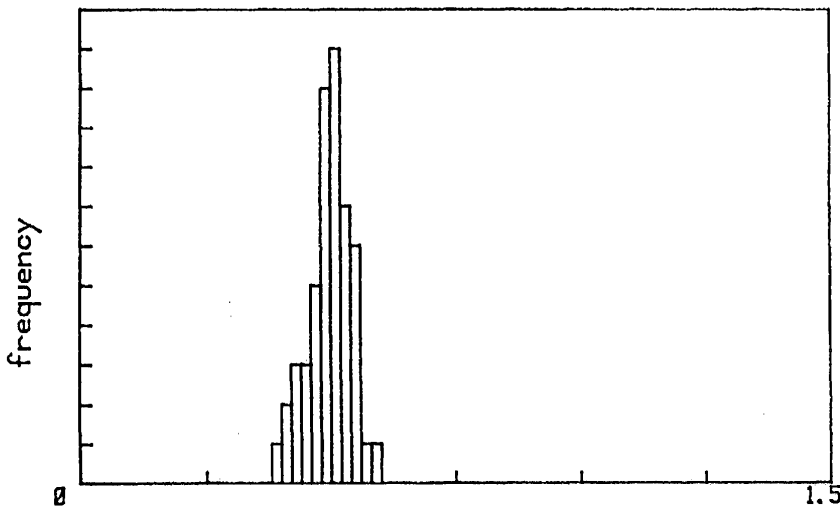
AVE. REFL. .48

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
7620-7710 FT

DITCH SAMPLE



R_o VALUES

.39	.4	.4	.42	.42	.42
.44	.44	.45	.46	.46	.47
.47	.47	.48	.48	.48	.48
.48	.48	.48	.49	.49	.49
.5	.5	.5	.51	.51	.51
.51	.51	.51	.51	.51	.52
.52	.53	.53	.53	.53	.53
.54	.54	.54	.55	.55	.55
.57	.58				

NO OF MEAS. = 50

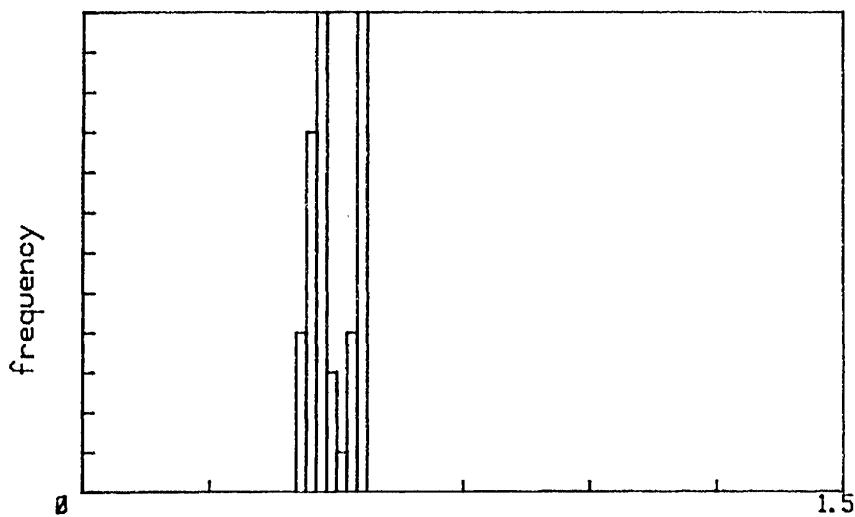
AVE. REFL. .49

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
7890-7980 FT

DITCH SAMPLE



R_o VALUES

.42	.43	.43	.43	.44	.44
.44	.44	.44	.45	.45	.45
.45	.46	.46	.46	.46	.46
.46	.46	.46	.46	.46	.47
.47	.47	.47	.47	.47	.49
.49	.49	.5	.52	.52	.53
.53	.54	.54	.54	.54	.54
.55	.55	.55	.55	.55	.55
.55	.55				

NO OF MEAS. = 50

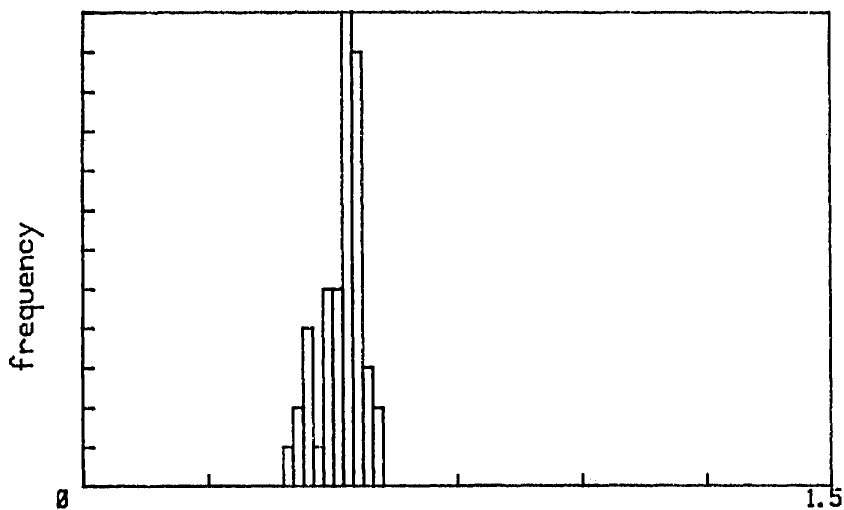
AVE. REFL. .49

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
8140-8230 FT

DITCH SAMPLE



R_o VALUES

.4	.42	.43	.44	.45	.45
.45	.47	.48	.48	.49	.49
.49	.5	.5	.5	.51	.51
.52	.52	.52	.52	.52	.52
.52	.53	.53	.53	.53	.53
.53	.53	.53	.53	.54	.54
.54	.54	.54	.54	.54	.55
.55	.55	.55	.56	.57	.57
.58	.59				

NO OF MEAS. = 50

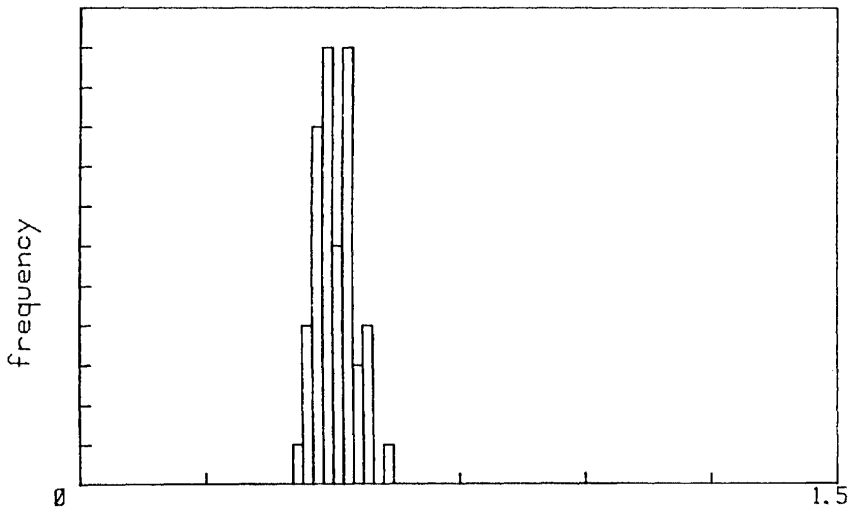
AVE. REFL. .51

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
9490-9580 FT

DITCH SAMPLE



R_o VALUES

.43	.44	.44	.45	.45	.46
.46	.46	.46	.47	.47	.47
.47	.47	.48	.48	.48	.48
.48	.48	.48	.48	.48	.49
.49	.5	.5	.51	.51	.51
.51	.52	.52	.52	.52	.52
.53	.53	.53	.53	.53	.53
.54	.54	.55	.56	.56	.56
.56	.6				

NO OF MEAS. = 50

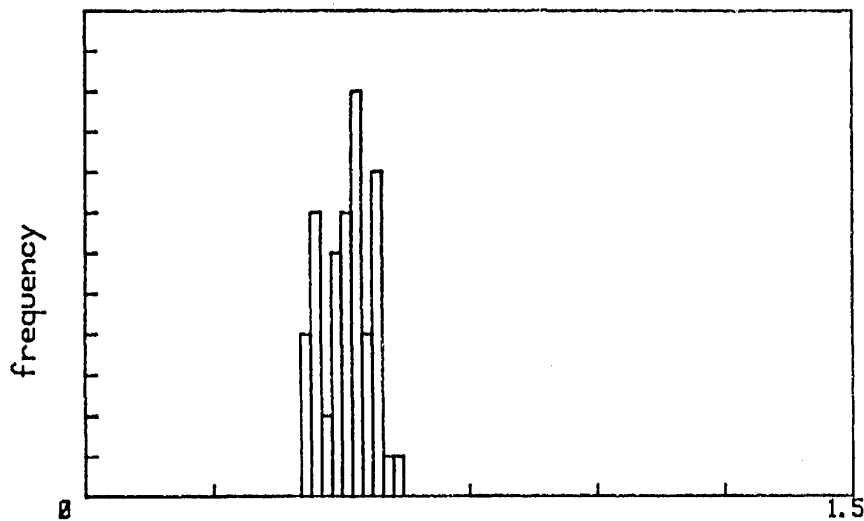
AVE. REFL. .5

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
9760-9850 FT

DITCH SAMPLE



R_o VALUES

.42	.43	.43	.43	.44	.44
.45	.45	.45	.45	.45	.46
.46	.48	.48	.49	.49	.49
.49	.5	.5	.5	.5	.5
.51	.51	.52	.52	.52	.52
.53	.53	.53	.53	.53	.53
.54	.54	.54	.55	.56	.56
.56	.57	.57	.57	.57	.57
.59	.61				

NO OF MEAS. = 50

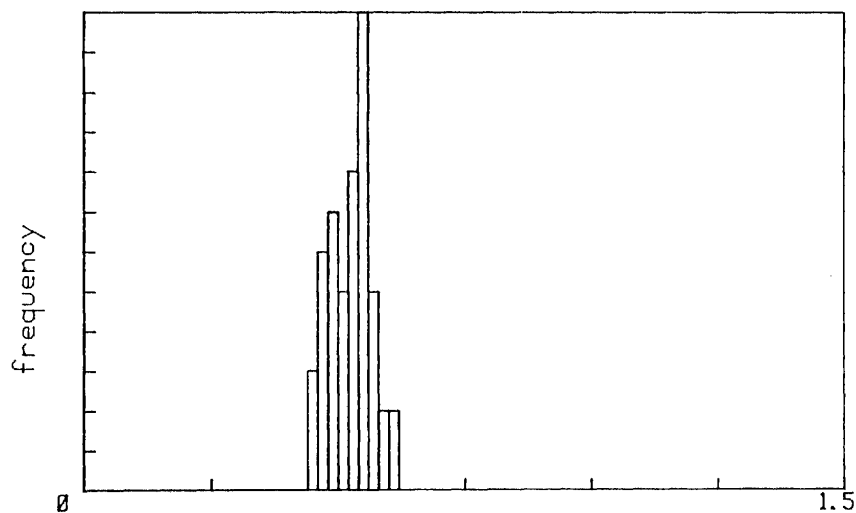
AVE. REFL. .51

STD. DEV = .05

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
10030 FT

DITCH SAMPLE



R_o VALUES

.44	.45	.45	.46	.46	.46
.46	.47	.47	.48	.49	.49
.49	.49	.49	.49	.5	.51
.51	.51	.51	.52	.52	.52
.52	.52	.53	.53	.53	.54
.54	.54	.54	.54	.54	.54
.54	.55	.55	.55	.55	.56
.56	.56	.56	.57	.58	.59
.6	.6				

NO OF MEAS. = 50

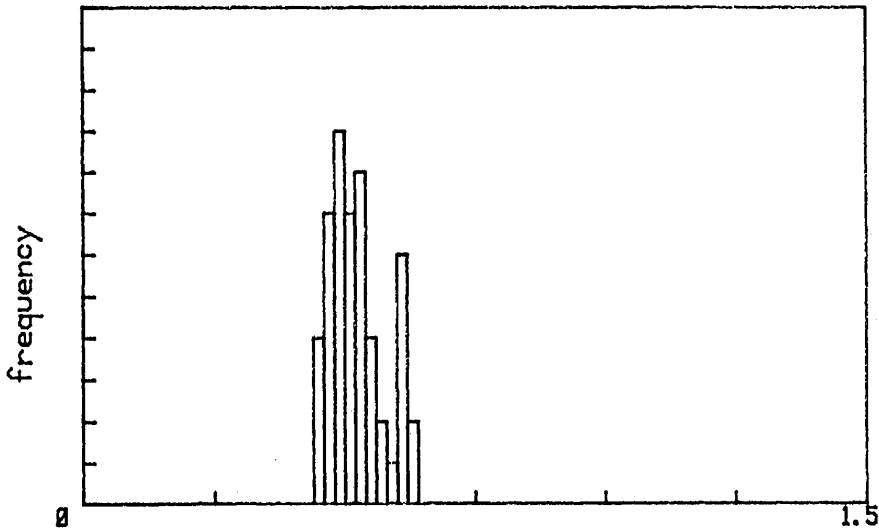
AVE. REFL. .52

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
10300-10400 FT

DITCH SAMPLE



R_o VALUES

.44	.44	.45	.45	.46	.46
.46	.46	.47	.47	.47	.48
.48	.48	.48	.48	.48	.49
.49	.49	.5	.5	.5	.5
.5	.51	.51	.52	.52	.52
.52	.52	.52	.53	.53	.54
.55	.55	.55	.56	.57	.58
.6	.6	.61	.61	.61	.61
.62	.62				

NO OF MEAS. = 50

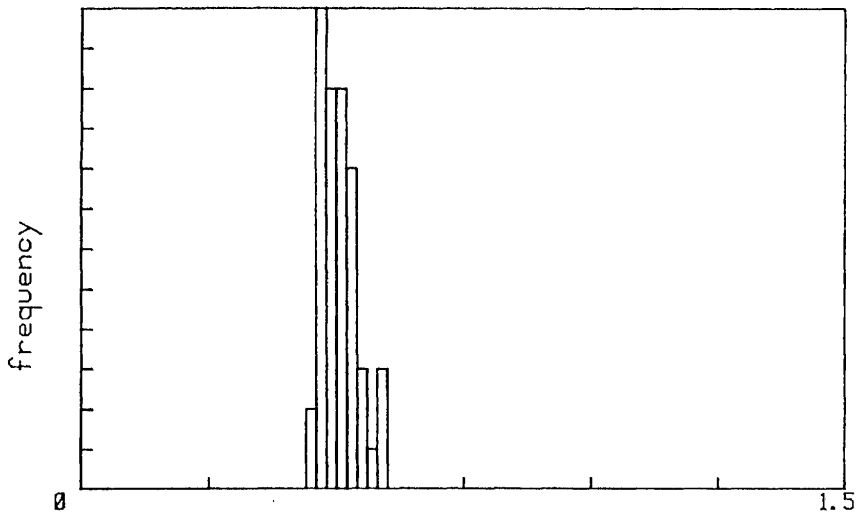
AVE. REFL. .52

STD. DEV = .05

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
10580-10670 FT

DITCH SAMPLE



R_o VALUES

.45	.45	.46	.46	.46	.46
.46	.46	.46	.46	.46	.47
.47	.47	.47	.48	.48	.48
.48	.48	.48	.48	.48	.49
.49	.5	.5	.5	.5	.5
.51	.51	.51	.51	.51	.52
.52	.52	.52	.52	.52	.53
.53	.54	.55	.55	.56	.58
.59	.59				

NO OF MEAS. = 50

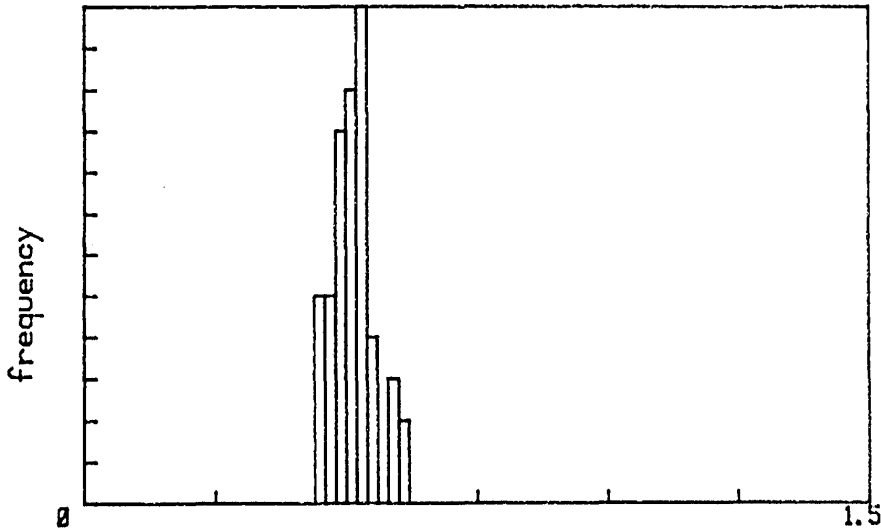
AVE. REFL. .5

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
10850-10940 FT

DITCH SAMPLE



R_o VALUES

.44	.45	.45	.45	.45	.46
.46	.46	.47	.47	.48	.48
.48	.48	.49	.49	.49	.49
.49	.5	.5	.5	.5	.5
.5	.5	.5	.51	.51	.52
.52	.52	.52	.52	.52	.53
.53	.53	.53	.53	.53	.54
.54	.54	.55	.58	.58	.59
.61	.61				

NO OF MEAS. = 50

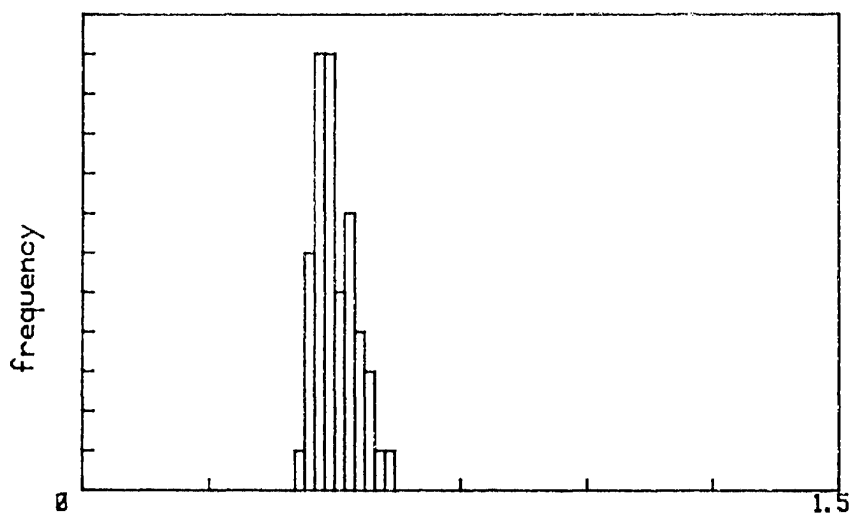
AVE. REFL. .51

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
11030-11120 FT

DITCH SAMPLE



R_o VALUES

.43	.44	.44	.44	.45	.45
.45	.46	.46	.46	.46	.46
.46	.47	.47	.47	.47	.47
.48	.48	.48	.48	.48	.49
.49	.49	.49	.49	.49	.5
.5	.51	.51	.51	.52	.52
.53	.53	.53	.53	.53	.54
.54	.54	.55	.56	.57	.57
.59	.6				

NO OF MEAS. = 50

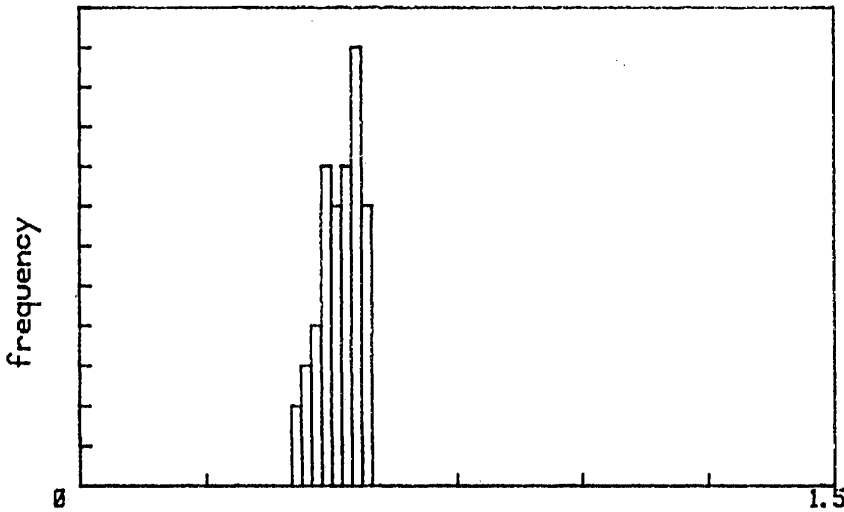
AVE. REFL. .5

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
11390-11480 FT

DITCH SAMPLE



R_o VALUES

.43	.43	.44	.44	.45	.46
.47	.47	.47	.48	.48	.48
.48	.49	.49	.49	.49	.5
.5	.51	.51	.51	.51	.51
.53	.53	.53	.53	.53	.53
.53	.53	.54	.54	.54	.54
.54	.54	.54	.54	.54	.55
.55	.56	.56	.56	.56	.56
.57	.57				

NO OF MEAS. = 50

AVE. REFL. .51

STD. DEV = .04

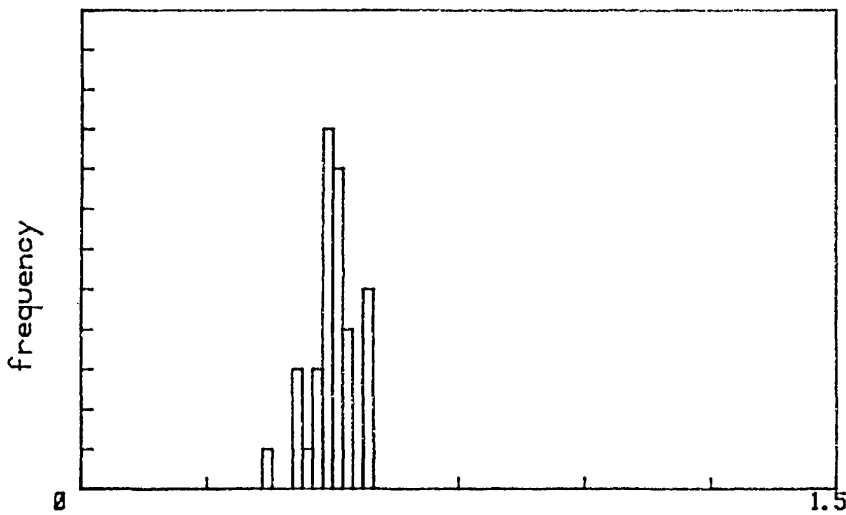
VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
11660-11750 FT

DITCH SAMPLE

R_o VALUES

.37	.42	.43	.43	.45	.46
.46	.46	.48	.48	.48	.48
.48	.49	.49	.49	.49	.5
.5	.5	.5	.5	.51	.51
.51	.52	.52	.52	.53	.56
.56	.56	.57	.57		



NO OF MEAS. = 34

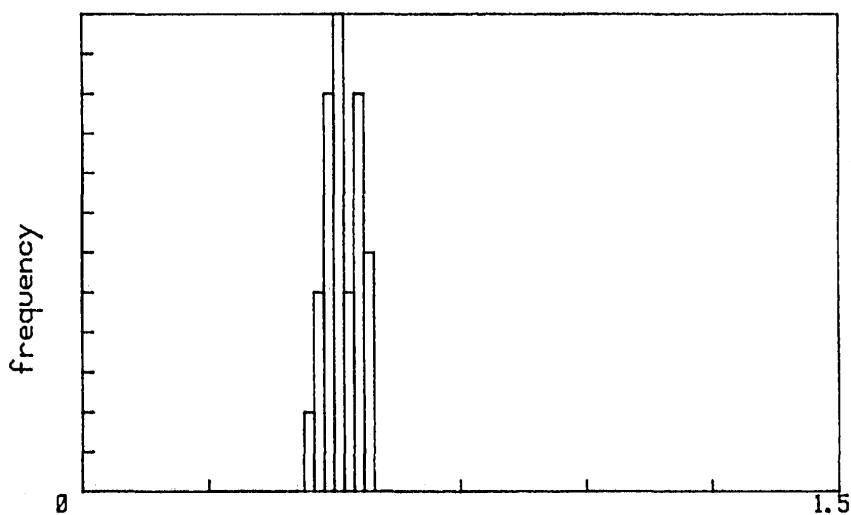
AVE. REFL. .49

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
11930-12020 FT

DITCH SAMPLE



R_o VALUES

.44	.44	.46	.46	.46	.47
.47	.48	.48	.48	.49	.49
.49	.49	.49	.49	.49	.5
.5	.51	.51	.51	.51	.51
.51	.51	.51	.51	.51	.52
.52	.52	.53	.53	.54	.54
.54	.54	.54	.54	.55	.55
.55	.55	.56	.56	.56	.56
.56	.56				

NO OF MEAS. = 50

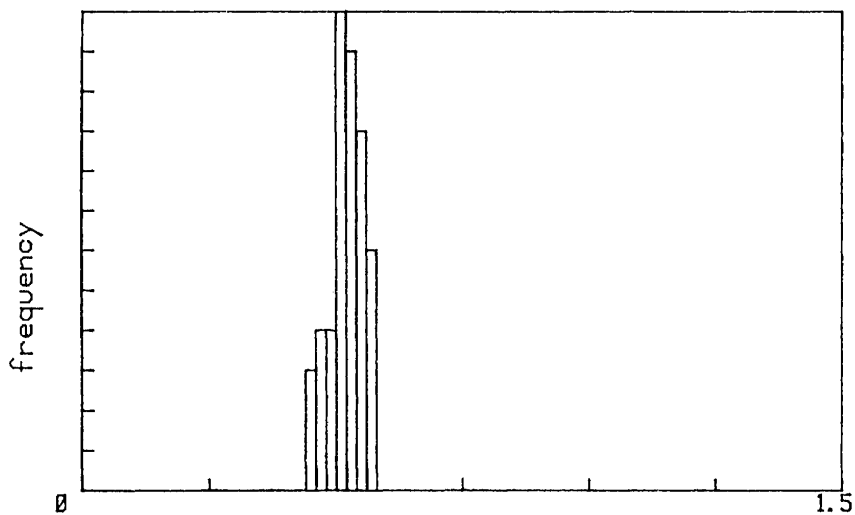
AVE. REFL. .51

STD. DEV = .03

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
12190-12280 FT

DITCH SAMPLE



R_o VALUES

.44	.45	.45	.46	.46	.47
.47	.48	.48	.49	.49	.5
.5	.5	.5	.5	.5	.5
.5	.51	.51	.51	.51	.51
.52	.52	.52	.52	.52	.52
.52	.53	.53	.53	.53	.54
.54	.54	.54	.55	.55	.55
.55	.55	.56	.56	.56	.56
.57	.57				

NO OF MEAS. = 50

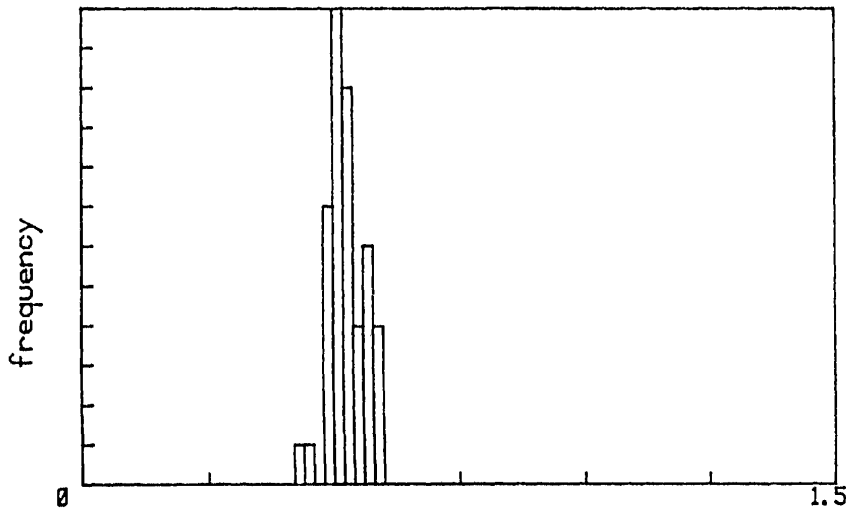
AVE. REFL. .51

STD. DEV = .03

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
12460-12550 FT

DITCH SAMPLE



R_o VALUES

.43	.45	.48	.48	.48	.49
.49	.49	.49	.5	.5	.5
.5	.5	.5	.51	.51	.51
.51	.51	.51	.51	.51	.51
.51	.51	.52	.52	.52	.52
.52	.52	.53	.53	.53	.53
.54	.54	.55	.55	.56	.56
.56	.56	.57	.57	.58	.58
.59	.59				

NO OF MEAS. = 50

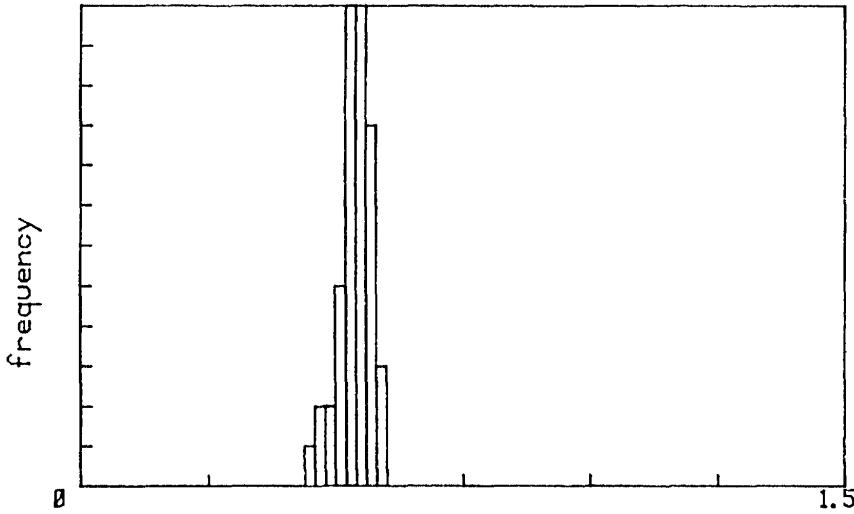
AVE. REFL. .52

STD. DEV = .03

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
12730-12830 FT

DITCH SAMPLE



R_o VALUES

.45	.46	.47	.48	.49	.5
.51	.51	.51	.51	.52	.52
.52	.52	.52	.53	.53	.53
.53	.53	.53	.53	.54	.54
.54	.54	.54	.54	.54	.55
.55	.55	.55	.55	.55	.55
.55	.55	.56	.56	.56	.56
.56	.56	.56	.57	.57	.58
.58	.59				

NO OF MEAS. = 50

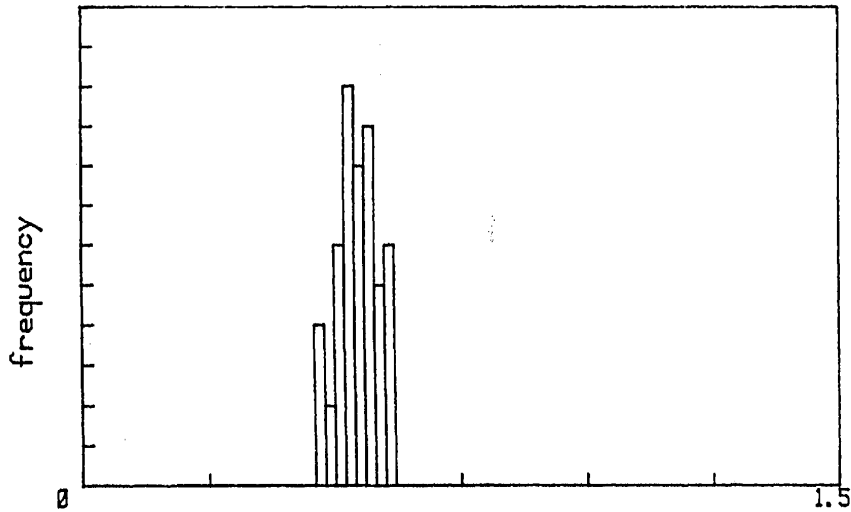
AVE. REFL. .53

STD. DEV = .03

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
13010-13100 FT

DITCH SAMPLE



R_o VALUES

.46	.47	.47	.47	.48	.49
.5	.5	.51	.51	.51	.51
.52	.52	.52	.52	.52	.52
.53	.53	.53	.53	.54	.54
.54	.54	.55	.55	.55	.55
.56	.56	.56	.57	.57	.57
.57	.57	.57	.58	.58	.59
.59	.59	.6	.6	.61	.61
.61	.61				

NO OF MEAS. = 50

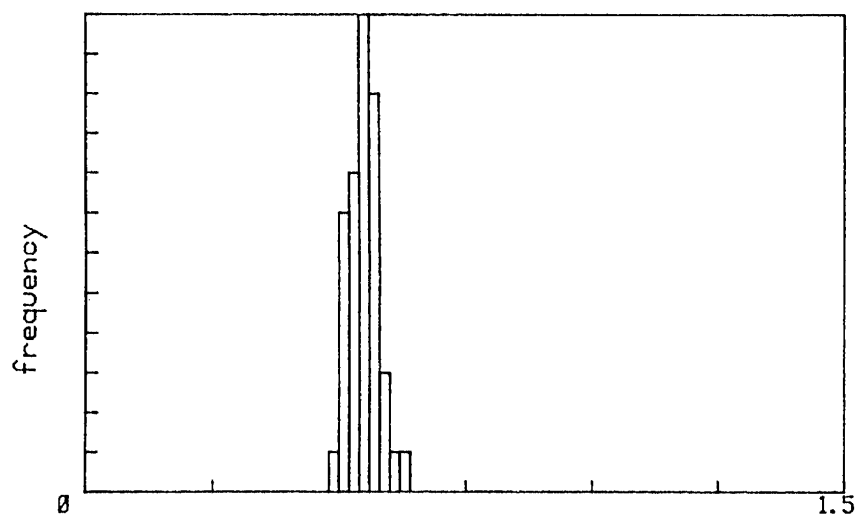
AVE. REFL. .54

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
13280-13370 FT

DITCH SAMPLE



R_o VALUES

.48	.5	.5	.5	.51	.51
.51	.51	.52	.53	.53	.53
.53	.53	.53	.53	.54	.54
.54	.54	.54	.54	.54	.54
.55	.55	.55	.55	.55	.55
.55	.55	.55	.55	.55	.56
.56	.56	.57	.57	.57	.57
.57	.57	.57	.58	.59	.59
.61	.62				

NO OF MEAS. = 50

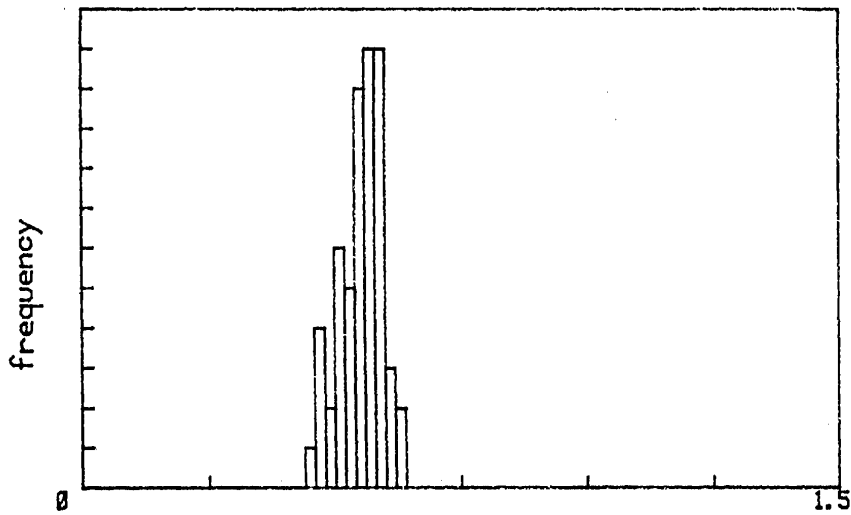
AVE. REFL. .55

STD. DEV = .03

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
13550-13640 FT

DITCH SAMPLE



R_o VALUES

.44	.46	.46	.46	.47	.48
.48	.5	.5	.51	.51	.51
.51	.52	.52	.52	.53	.53
.54	.54	.54	.54	.54	.54
.55	.55	.55	.55	.56	.56
.56	.56	.56	.56	.57	.57
.57	.57	.57	.58	.58	.58
.58	.58	.58	.59	.59	.59
.59	.59	.6	.6	.6	.62
.62					

NO OF MEAS. = 55

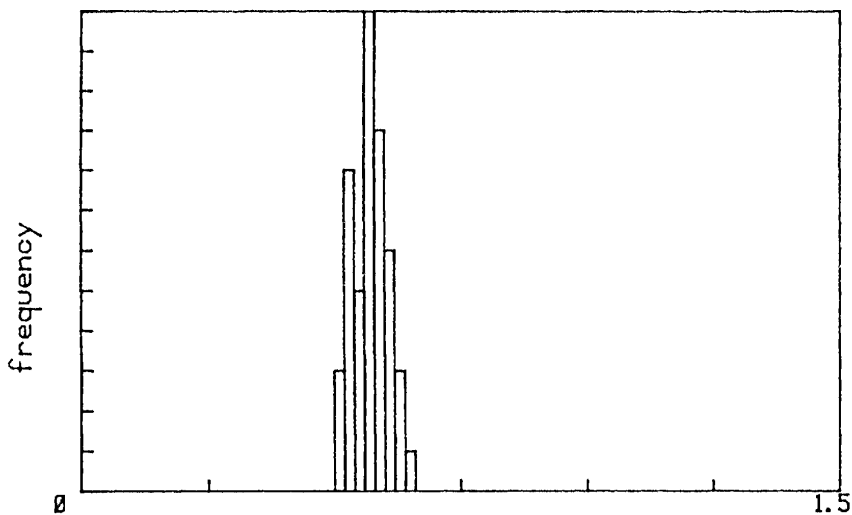
AVE. REFL. .55

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
13820-13910 FT

DITCH SAMPLE



R_o VALUES

.5	.51	.51	.52	.52	.52
.52	.53	.53	.53	.53	.54
.54	.55	.55	.55	.56	.56
.56	.56	.56	.56	.56	.56
.56	.56	.56	.56	.57	.57
.57	.58	.58	.58	.59	.59
.59	.59	.59	.59	.6	.61
.61	.61	.61	.61	.62	.62
.63	.64				

NO OF MEAS. = 50

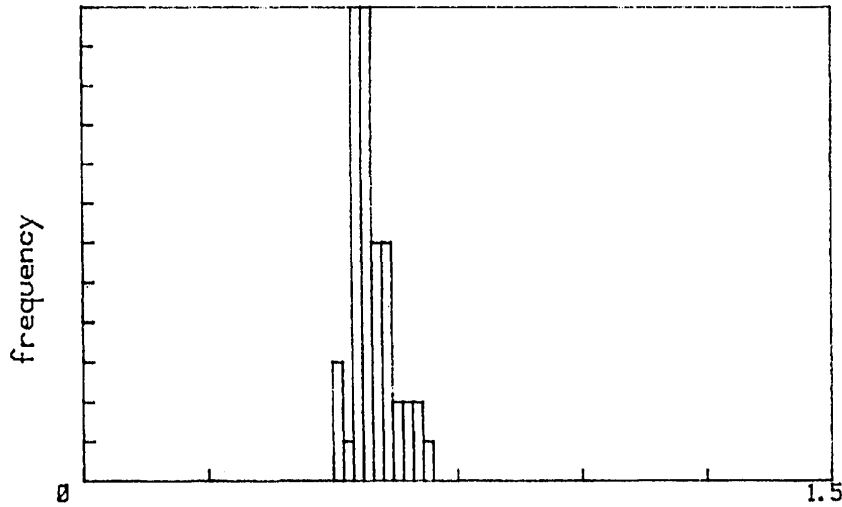
AVE. REFL. .57

STD. DEV = .03

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
14090-14180 FT

DITCH SAMPLE



R_o VALUES

.5	.51	.51	.53	.54	.54
.54	.54	.54	.54	.54	.54
.55	.55	.55	.55	.55	.55
.55	.56	.56	.56	.56	.56
.56	.56	.57	.57	.57	.57
.57	.58	.58	.58	.59	.59
.59	.6	.6	.6	.6	.61
.61	.62	.63	.64	.65	.66
.66	.68				

NO OF MEAS. = 50

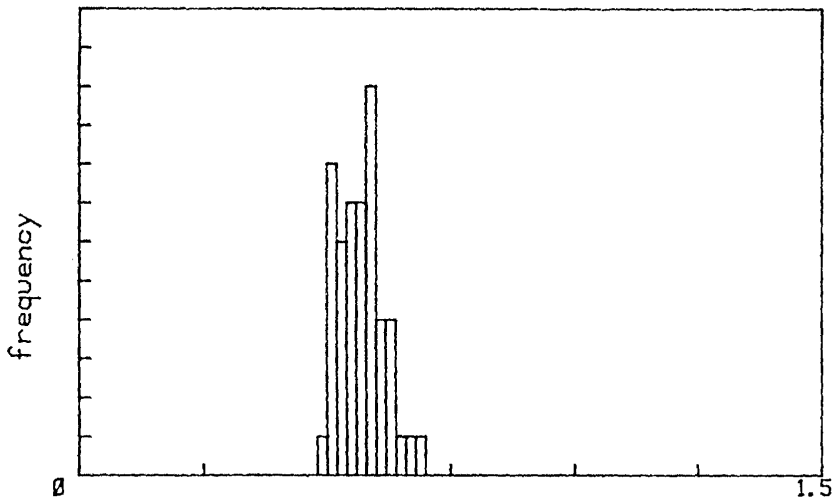
AVE. REFL. .57

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
14360-14450 FT

DITCH SAMPLE



R_o VALUES

.49	.5	.51	.51	.51	.51
.51	.51	.51	.52	.52	.52
.52	.53	.53	.54	.54	.54
.54	.55	.55	.55	.56	.56
.56	.56	.56	.56	.57	.58
.58	.58	.58	.58	.59	.59
.59	.59	.59	.6	.6	.6
.61	.62	.62	.63	.63	.65
.66	.69				

NO OF MEAS. = 50

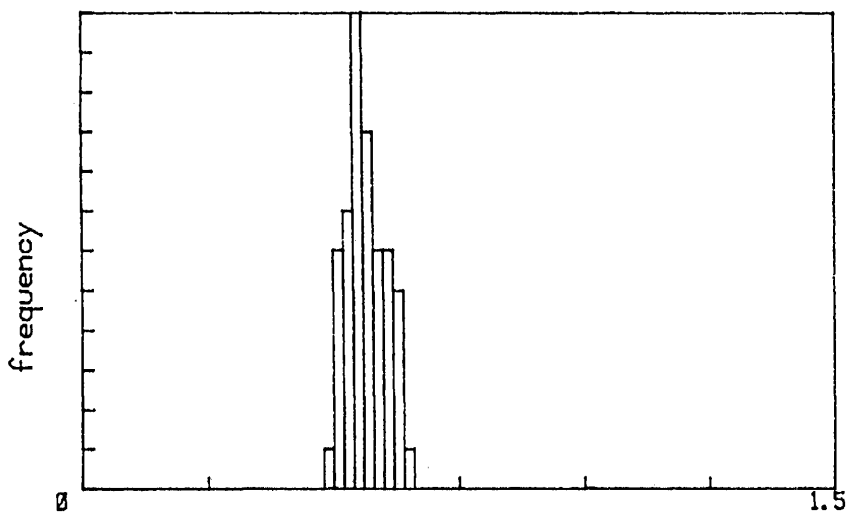
AVE. REFL. .56

STD. DEV = .05

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
14630-14720 FT

DITCH SAMPLE



R_o VALUES

.49	.5	.5	.5	.5	.51
.51	.52	.52	.53	.53	.53
.53	.53	.54	.54	.54	.54
.54	.54	.55	.55	.55	.55
.55	.55	.55	.55	.56	.56
.56	.56	.56	.56	.57	.57
.57	.58	.59	.59	.59	.59
.59	.6	.6	.6	.6	.61
.61	.62	.62	.63	.63	.63
.64					

NO OF MEAS. = 55

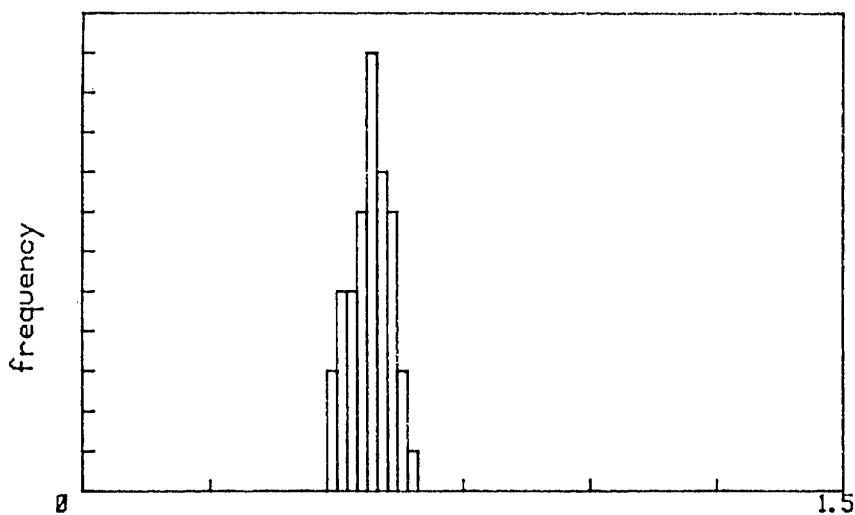
AVE. REFL. .56

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
14890-14980 FT

DITCH SAMPLE



R_o VALUES

.48	.49	.49	.5	.5	.51
.51	.51	.52	.52	.52	.53
.53	.54	.55	.55	.55	.55
.55	.55	.56	.56	.56	.56
.56	.56	.57	.57	.57	.57
.57	.58	.58	.59	.59	.59
.59	.59	.59	.6	.6	.6
.6	.6	.61	.61	.62	.63
.63	.64				

NO OF MEAS. = 50

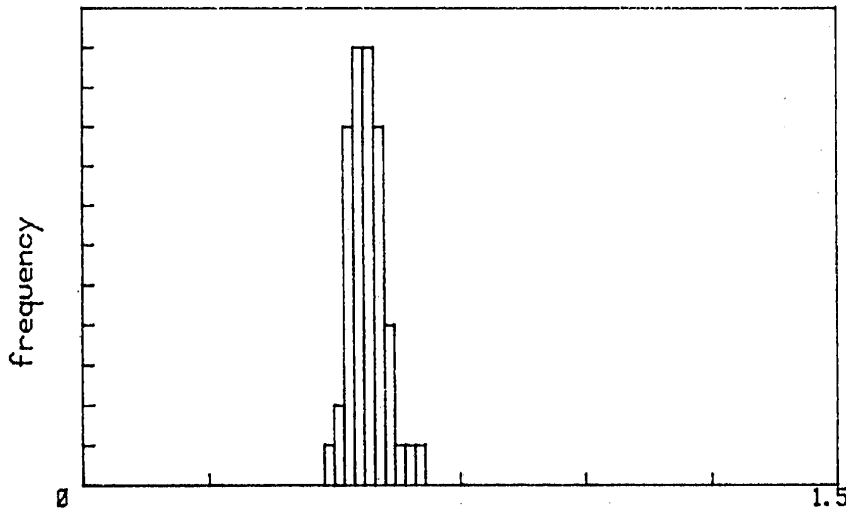
AVE. REFL. .56

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
15880-15970 FT

DITCH SAMPLE



R_o VALUES

.49	.5	.51	.52	.52	.52
.53	.53	.53	.53	.53	.53
.54	.54	.54	.54	.54	.54
.55	.55	.55	.55	.55	.56
.56	.56	.56	.56	.56	.57
.57	.57	.57	.57	.58	.58
.58	.58	.58	.59	.59	.59
.59	.6	.6	.6	.61	.63
.65	.66				

NO OF MEAS. = 50

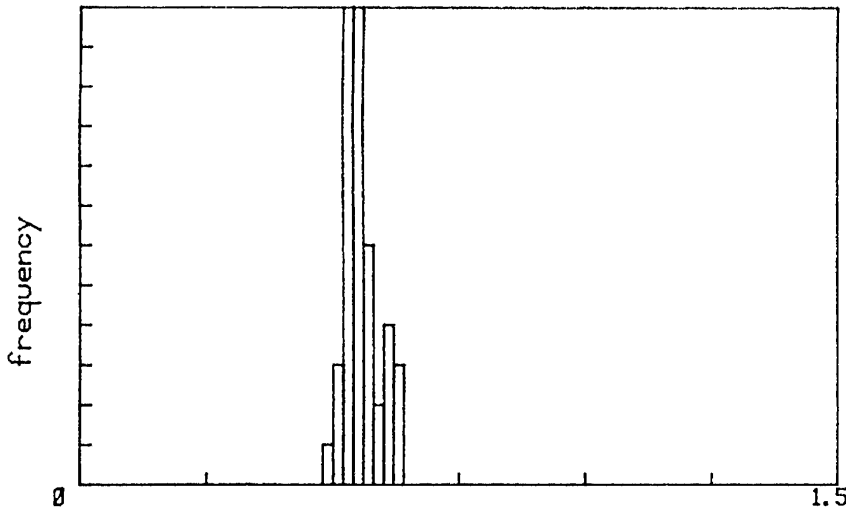
AVE. REFL. .56

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
15970-16060 FT

DITCH SAMPLE



R_o VALUES

.48	.5	.5	.51	.52	.52
.52	.52	.53	.53	.53	.53
.53	.53	.53	.53	.53	.53
.53	.53	.54	.54	.54	.55
.55	.55	.55	.55	.55	.55
.55	.55	.55	.55	.55	.56
.56	.56	.56	.57	.57	.58
.59	.6	.6	.61	.61	.62
.63	.63				

NO OF MEAS. = 50

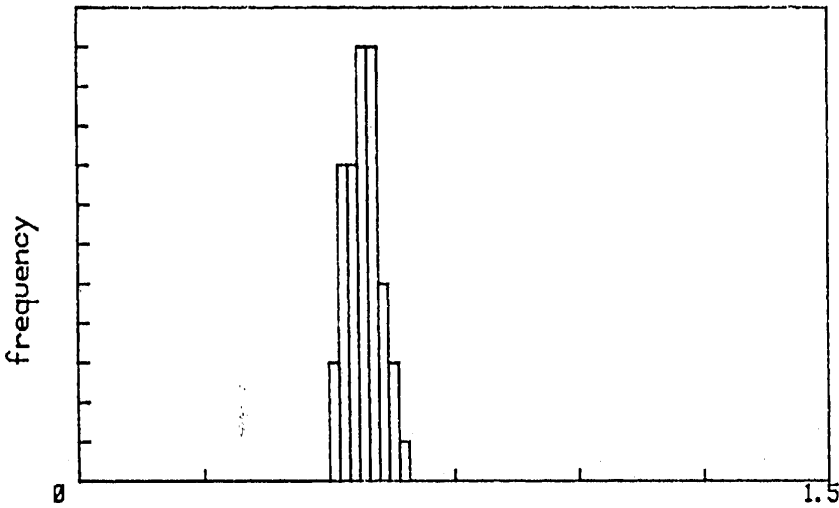
AVE. REFL. .55

STD. DEV = .03

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
16240-16330 FT

DITCH SAMPLE



R_o VALUES

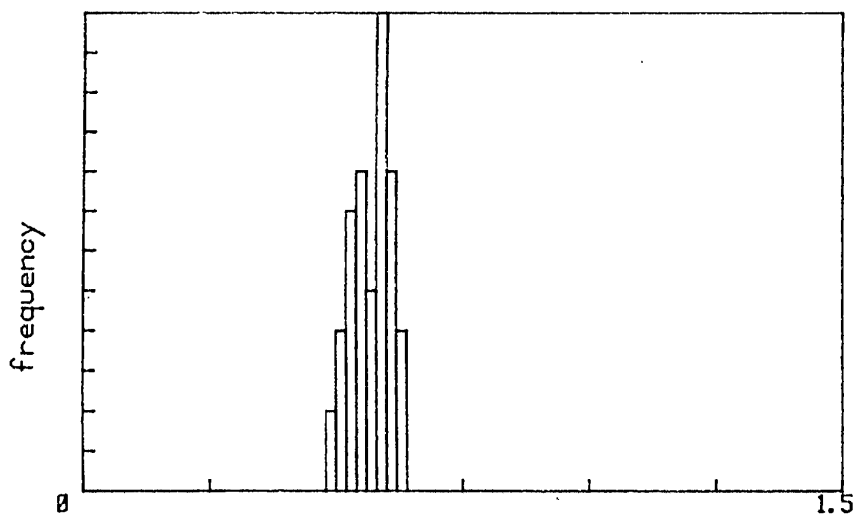
.5	.51	.51	.52	.52	.52
.52	.52	.53	.53	.53	.54
.54	.55	.55	.55	.55	.55
.55	.56	.56	.56	.56	.56
.56	.56	.56	.57	.57	.57
.58	.58	.58	.58	.58	.58
.58	.58	.59	.59	.59	.6
.6	.6	.6	.6	.62	.62
.63	.64				

NO OF MEAS. = 50
AVE. REFL. .56
STD. DEV = .03

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
16510-16600 FT

DITCH SAMPLE



R_o VALUES

.49	.49	.5	.51	.51	.51
.53	.53	.53	.53	.53	.53
.53	.54	.54	.54	.54	.55
.55	.55	.55	.56	.56	.56
.57	.57	.58	.58	.58	.58
.59	.59	.59	.59	.59	.59
.59	.59	.6	.6	.6	.6
.6	.6	.6	.61	.62	.62
.63	.63				

NO OF MEAS. = 50

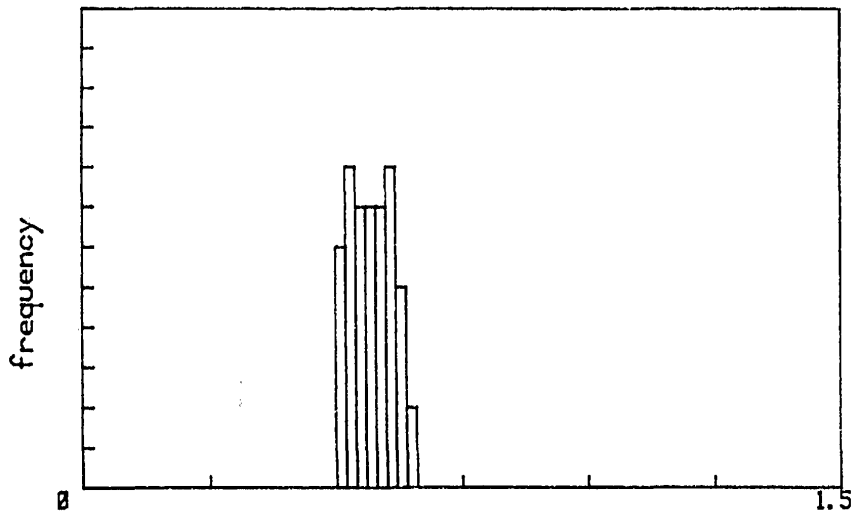
AVE. REFL. .57

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
16780-16870 FT

DITCH SAMPLE



R_o VALUES

.5	.5	.51	.51	.51	.51
.52	.52	.52	.52	.52	.52
.53	.53	.54	.54	.54	.54
.55	.55	.55	.56	.56	.57
.57	.57	.57	.57	.58	.58
.59	.59	.59	.59	.59	.6
.6	.6	.6	.61	.61	.61
.61	.62	.62	.62	.63	.63
.64	.64				

NO OF MEAS. = 50

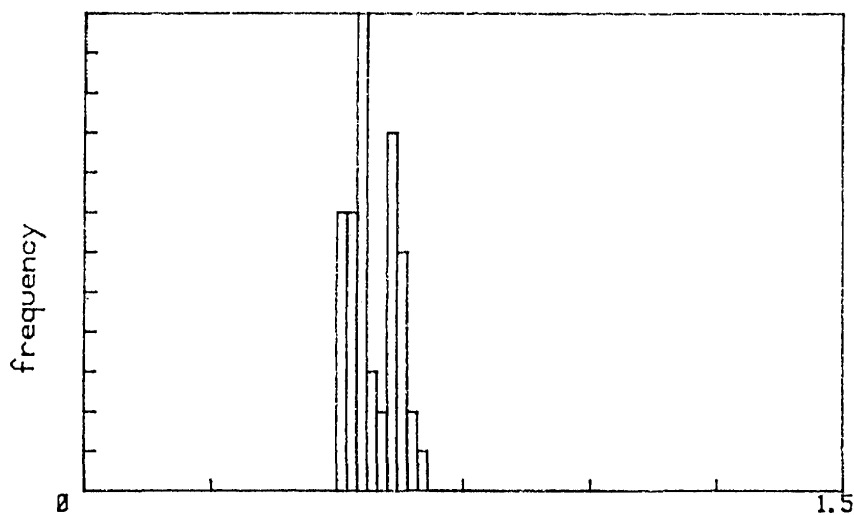
AVE. REFL. .57

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
17050-17140 FT

DITCH SAMPLE



R_o VALUES

.5	.5	.5	.5	.51	.51
.51	.52	.52	.52	.52	.53
.53	.53	.54	.54	.54	.54
.54	.54	.54	.54	.54	.54
.55	.55	.55	.57	.57	.57
.58	.58	.6	.6	.6	.6
.61	.61	.61	.61	.61	.62
.63	.63	.63	.63	.63	.64
.65	.67				

NO OF MEAS. = 50

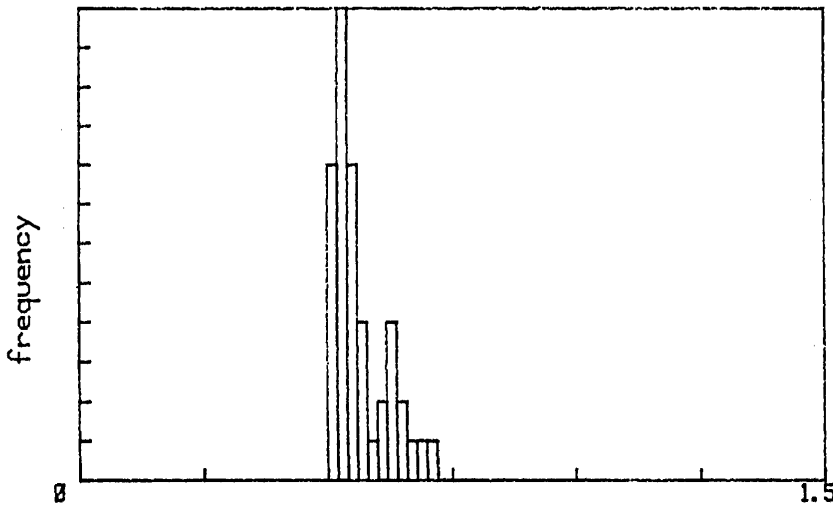
AVE. REFL. .57

STD. DEV = .05

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
17320-17410 FT

DITCH SAMPLE



R_o VALUES

.5	.5	.51	.51	.51	.51
.51	.51	.52	.52	.53	.53
.53	.53	.53	.53	.53	.53
.53	.53	.53	.53	.53	.53
.53	.53	.54	.54	.54	.54
.55	.55	.55	.55	.56	.56
.56	.56	.59	.6	.6	.62
.62	.63	.63	.65	.65	.67
.69	.7				

NO OF MEAS. = 50

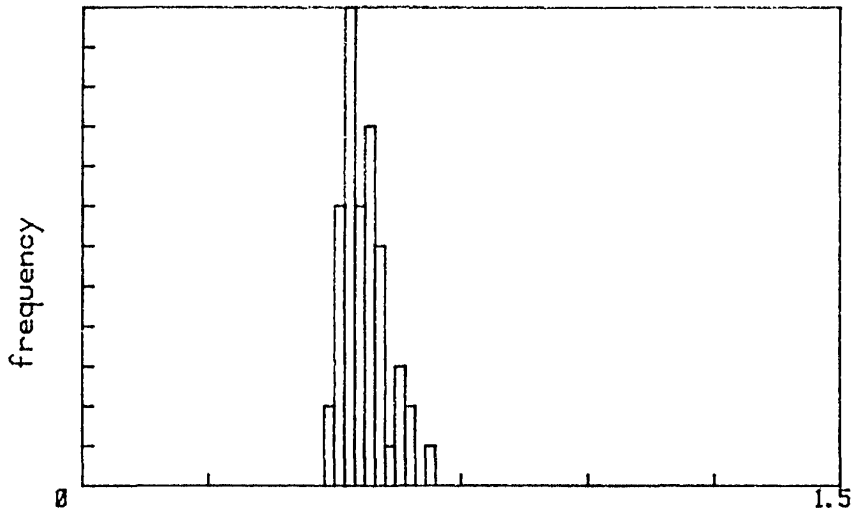
AVE. REFL. .56

STD. DEV = .05

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
17590-17680 FT

DITCH SAMPLE



R_o VALUES

.49	.49	.5	.5	.51	.51
.51	.51	.51	.52	.52	.52
.52	.53	.53	.53	.53	.53
.53	.53	.53	.54	.54	.55
.55	.55	.55	.55	.56	.56
.56	.56	.56	.56	.57	.57
.57	.58	.58	.58	.59	.59
.59	.6	.62	.62	.63	.64
.65	.69				

NO OF MEAS. = 50

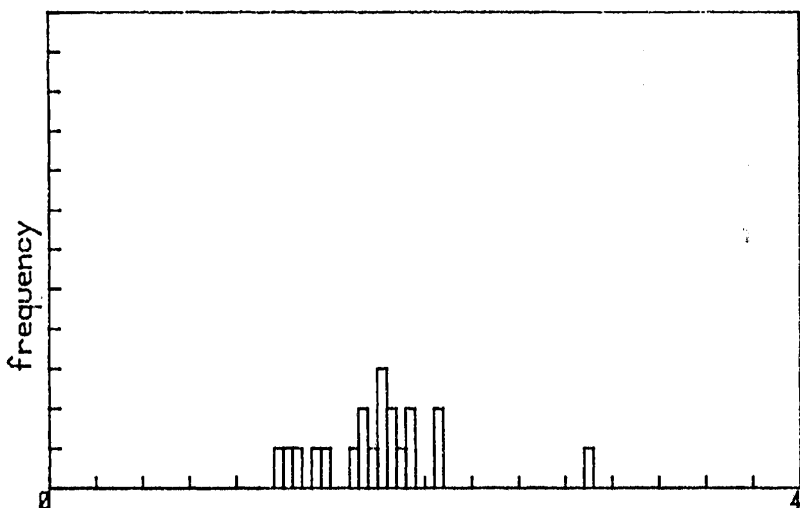
AVE. REFL. .55

STD. DEV = .04

VITRINITE REFLECTANCE @ 546 nm

ARCO FUNNY RIVER#1
9220-9310 FT

DITCH SAMPLE



R_o VALUES

1.24 1.28 1.32 1.42 1.48 1.64
 1.68 1.69 1.72 1.76 1.77 1.79
 1.8 1.84 1.88 1.9 1.91 2.09
 2.09 2.85

*Sandy zone
 wrong reading*

NO OF MEAS. = 20
 AVE. REFL. 1.76
 STD. DEV = .35