

Vitrinite reflectance data of ditch cuttings from the Marathon Oil Company  
Beaver Creek Unit No. 4 well

Received 14 October 1988

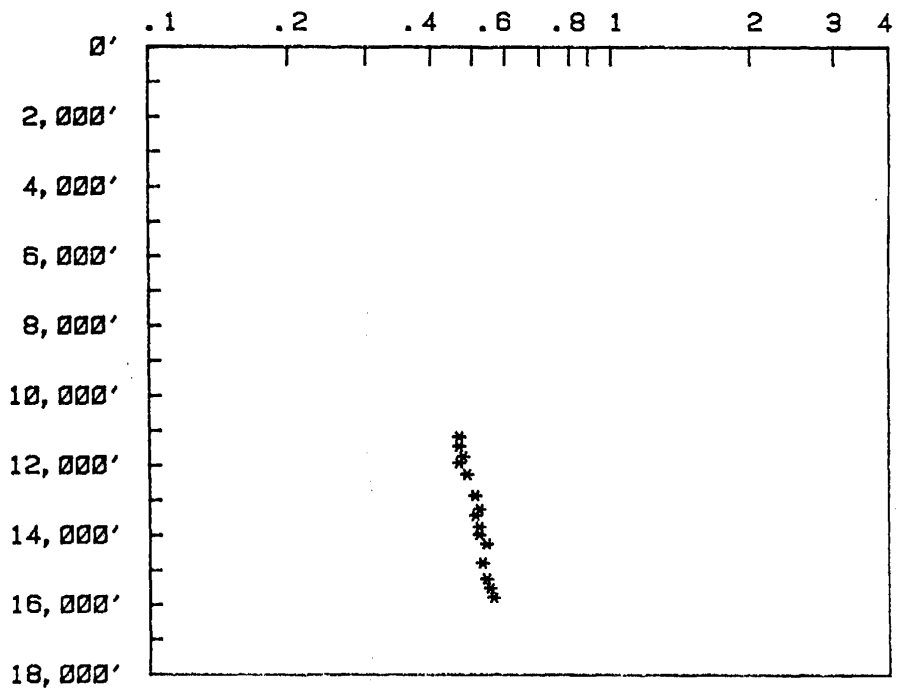
Total of 16 pages in report

Geologic Materials Center Data Report No. 92

Analysis by —  
R. Nakada

# MARATHON BEAVER CR#4

DEPTH	% REFL.
11200	.48
11470	.48
11770	.49
11950	.48
12280	.50
12880	.52
13270	.53
13450	.52
13780	.53
13990	.53
14260	.55
14800	.54
15250	.55
15520	.56
15790	.57

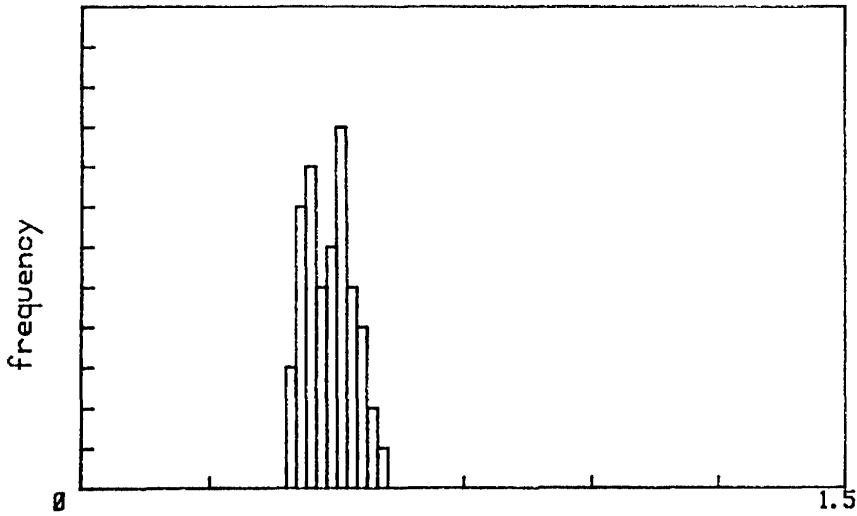


DEPTH vs REFLECTANCE

# VITRINITE REFLECTANCE @ 546 nm

MARATHON BEAVER CR#4  
11200-11230 FT

DITCH SAMPLE



## R<sub>o</sub> VALUES

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

NO OF MEAS. = 50

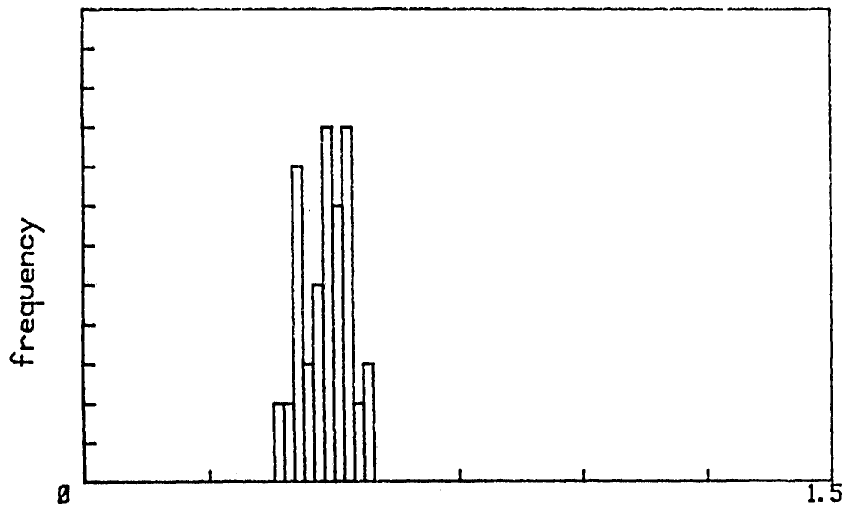
AVE. REFL. .48

STD. DEV = .05

# VITRINITE REFLECTANCE @ 546 nm

MARATHON BEAVER CR#4  
11470-11560 FT

DITCH SAMPLE



## R<sub>0</sub> VALUES

.39	.39	.41	.41	.42	.42
.42	.42	.43	.43	.43	.43
.44	.44	.45	.46	.46	.46
.46	.46	.48	.48	.48	.48
.48	.48	.49	.49	.49	.5
.5	.5	.5	.5	.51	.51
.52	.52	.52	.52	.52	.52
.53	.53	.53	.54	.54	.56
.56	.57				

NO OF MEAS. = 50

AVE. REFL. .48

STD. DEV = .05

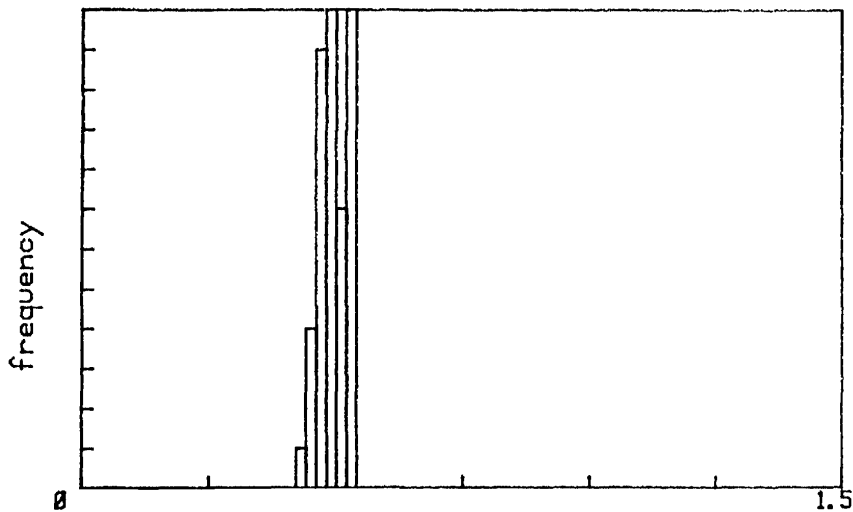
# VITRINITE REFLECTANCE @ 546 nm

MARATHON BEAVER CR#4  
11770-11860 FT

DITCH SAMPLE

## R<sub>o</sub> VALUES

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



NO OF MEAS. = 50

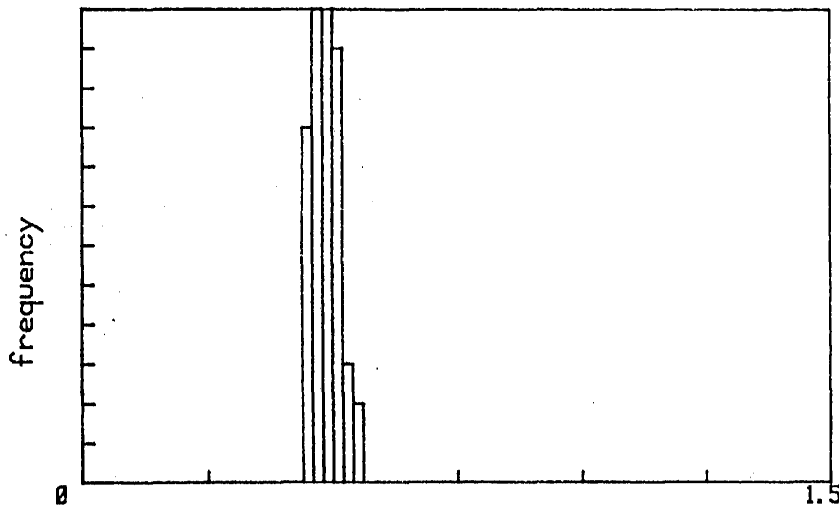
AVE. REFL. .49

STD. DEV = .03

# VITRINITE REFLECTANCE @ 546 nm

MARATHON BEAVER CR#4  
11950-12010 FT

DITCH SAMPLE



## R<sub>o</sub> VALUES

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

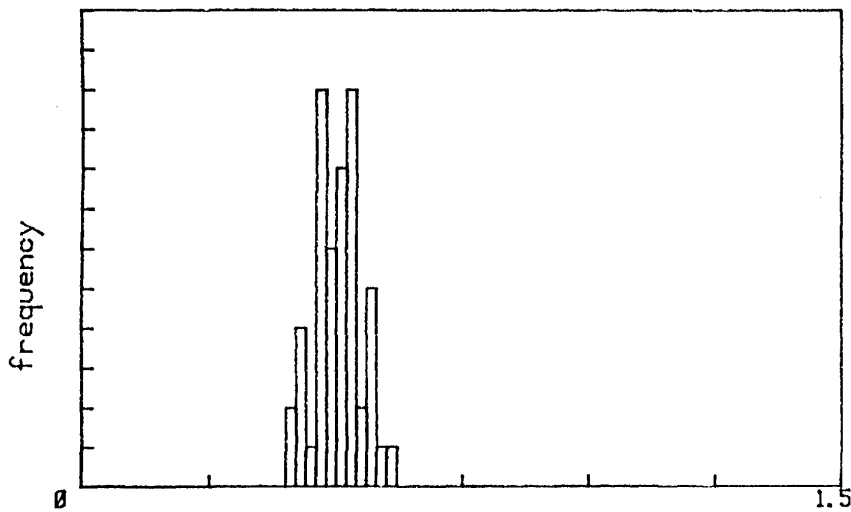
NO OF MEAS. = 50  
AVE. REFL. .48  
STD. DEV = .03

0.000000

# VITRINITE REFLECTANCE @ 546 nm

MARATHON BEAVER CR#4  
12280-12370 FT

DITCH SAMPLE



## R<sub>o</sub> VALUES

.4	.41	.42	.42	.42	.42
.45	.46	.46	.46	.46	.47
.47	.47	.47	.47	.47	.48
.48	.48	.48	.49	.49	.5
.5	.51	.51	.51	.51	.51
.51	.52	.52	.52	.52	.53
.53	.53	.53	.53	.53	.54
.55	.56	.56	.56	.56	.57
.58	.61				

NO OF MEAS. = 50

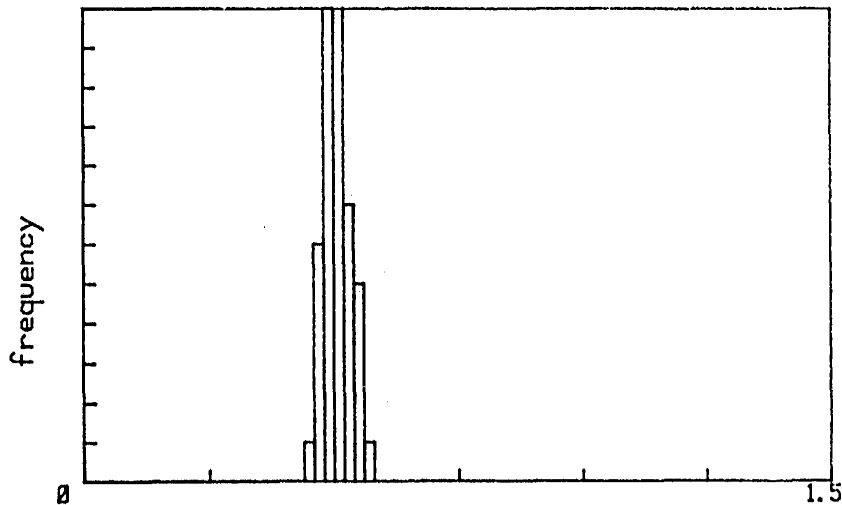
AVE. REFL. .5

STD. DEV = .05

# VITRINITE REFLECTANCE @ 546 nm

MARATHON BEAVER CR#4  
12550-12640 FT

DITCH SAMPLE



## R<sub>o</sub> VALUES

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

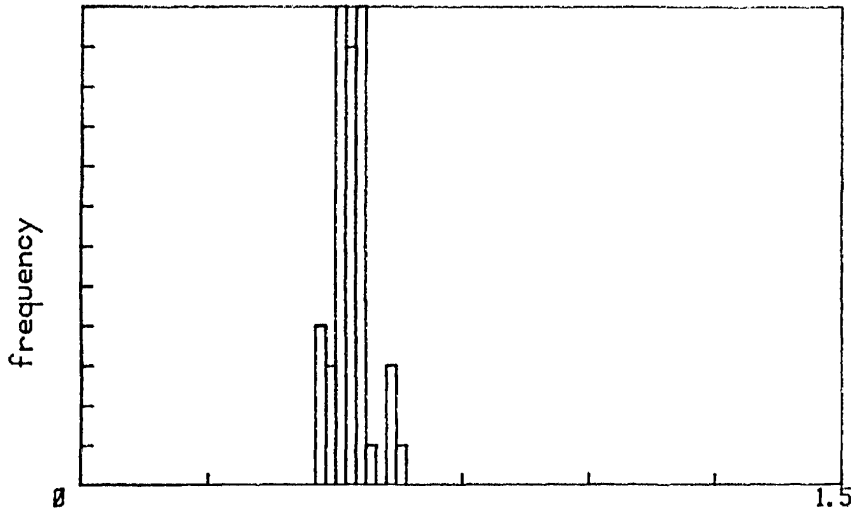
NO OF MEAS. = 50  
AVE. REFL. .5  
STD. DEV = .03



# VITRINITE REFLECTANCE @ 546 nm

MARATHON BEAVER CR#4  
12880-12910 FT

DITCH SAMPLE



## R<sub>o</sub> VALUES

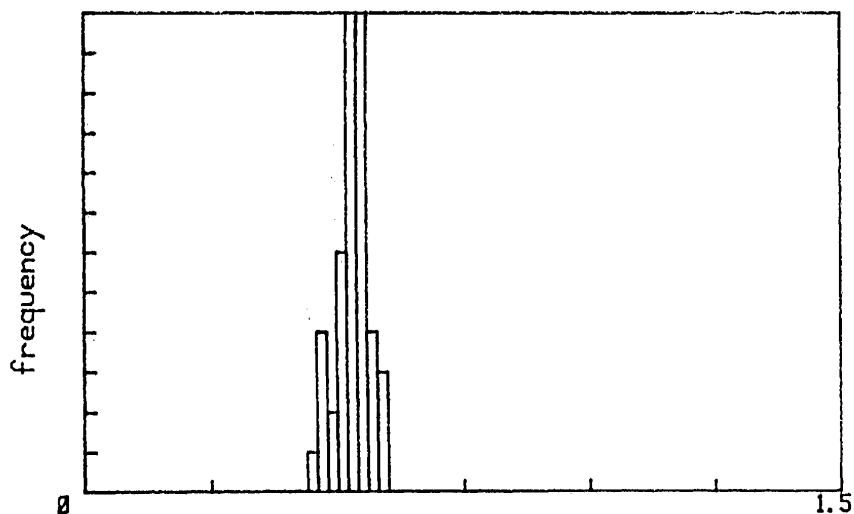
.46	.47	.47	.47	.49	.49
.49	.5	.5	.5	.5	.51
.51	.51	.51	.51	.51	.51
.51	.51	.51	.51	.52	.52
.52	.52	.52	.52	.53	.53
.53	.53	.53	.54	.54	.54
.54	.54	.54	.54	.54	.54
.54	.55	.55	.57	.6	.6
.61	.62				

NO OF MEAS. = 50  
AVE. REFL. .52  
STD. DEV = .03

# VITRINITE REFLECTANCE @ 546 nm

MARATHON BEAVER CR#4  
13270-13330 FT

DITCH SAMPLE



## R<sub>o</sub> VALUES

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

NO OF MEAS. = 50

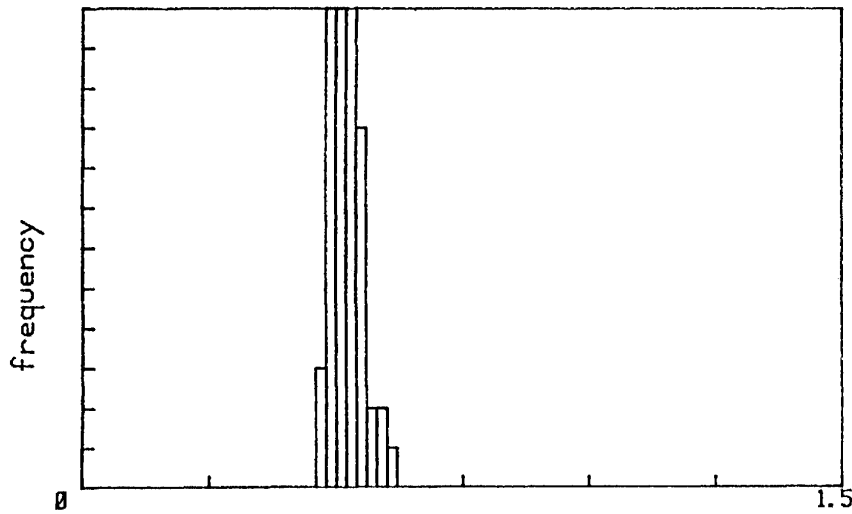
AVE. REFL. .53

STD. DEV = .03

# VITRINITE REFLECTANCE @ 546 nm

MARATHON BEAVER CR#4  
13450-13510 FT

DITCH SAMPLE



## R<sub>o</sub> VALUES

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

NO OF MEAS. = 55

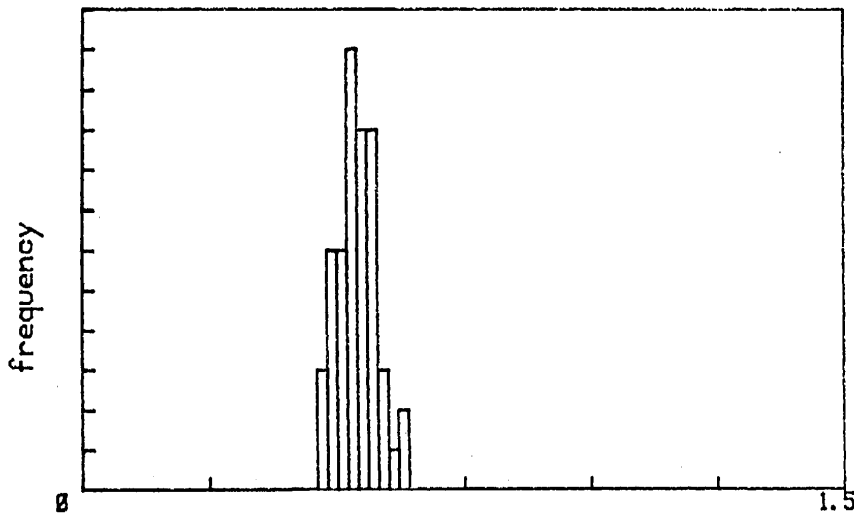
AVE. REFL. .52

STD. DEV = .03

# VITRINITE REFLECTANCE @ 546 nm

MARATHON BEAVER CR#4  
13780-13810 FT

DITCH SAMPLE



## R<sub>o</sub> VALUES

.46	.47	.47	.48	.48	.49
.49	.49	.49	.5	.5	.51
.51	.51	.51	.52	.52	.52
.52	.52	.53	.53	.53	.53
.53	.53	.54	.54	.54	.55
.55	.55	.55	.55	.55	.56
.56	.56	.56	.57	.57	.57
.57	.57	.58	.58	.59	.6
.62	.62				

NO OF MEAS. = 50

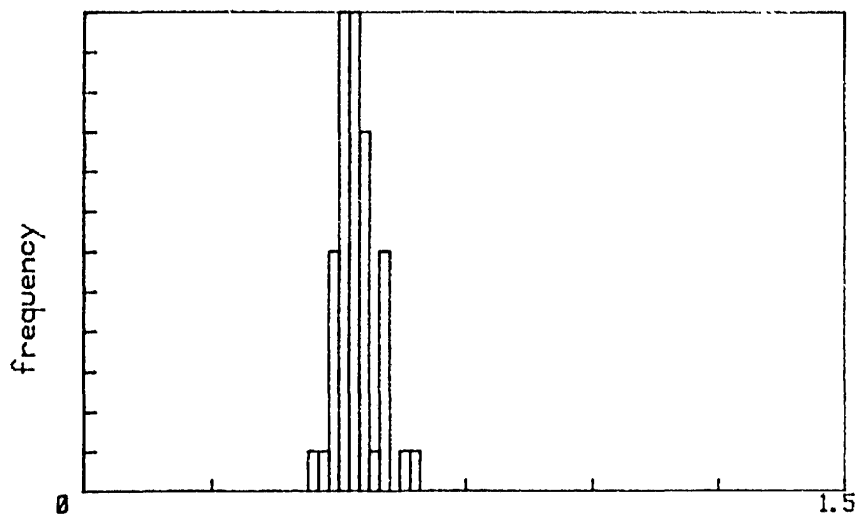
AVE. REFL. .53

STD. DEV = .04

# VITRINITE REFLECTANCE @ 546 nm

MARATHON BEAVER CR#4  
13990-14080 FT

DITCH SAMPLE



## R<sub>o</sub> VALUES

.45	.46	.48	.48	.49	.49
.49	.49	.5	.5	.5	.5
.5	.5	.51	.51	.51	.51
.51	.51	.52	.52	.52	.52
.52	.52	.52	.53	.53	.53
.53	.53	.54	.54	.54	.54
.55	.55	.55	.55	.55	.56
.58	.58	.58	.58	.58	.59
.63	.64				

NO OF MEAS. = 50

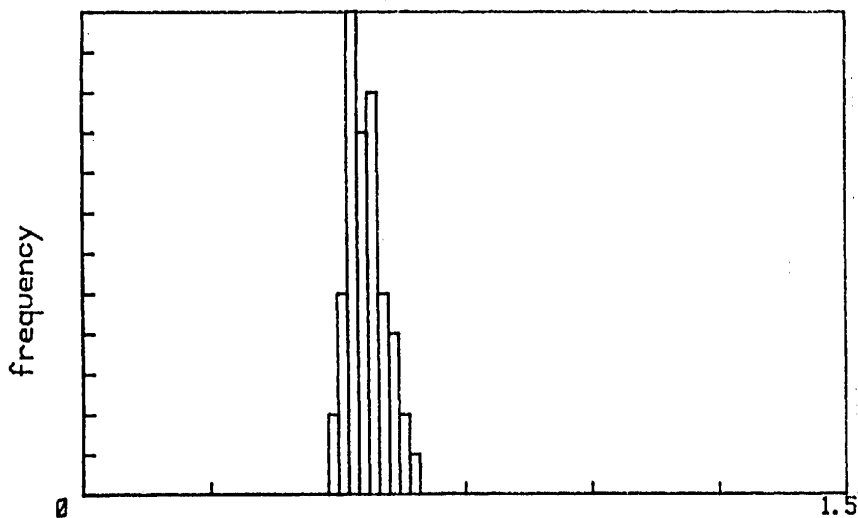
AVE. REFL. .53

STD. DEV = .04

# VITRINITE REFLECTANCE @ 546 nm

MARATHON BEAVER CR#4  
14260-14320 FT

DITCH SAMPLE



## R<sub>o</sub> VALUES

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

NO OF MEAS. = 50

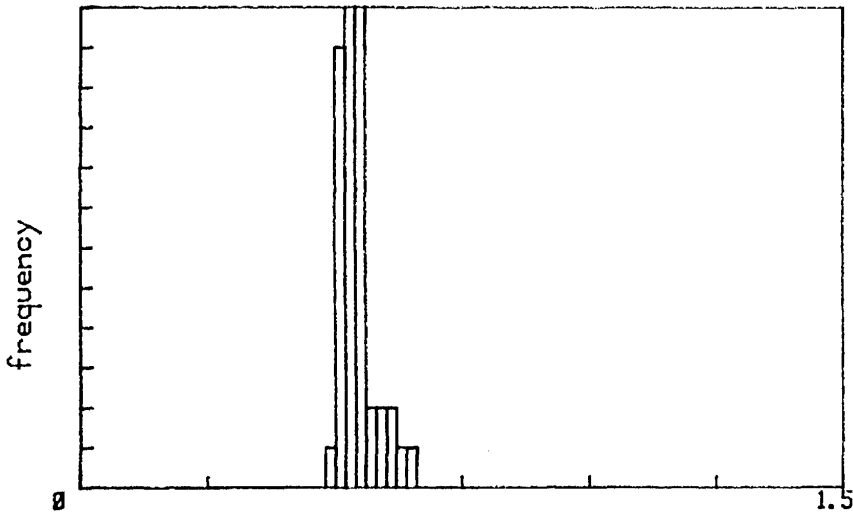
AVE. REFL. .55

STD. DEV = .04

# VITRINITE REFLECTANCE @ 546 nm

MARATHON BEAVER CR#4  
14800-14890 FT

DITCH SAMPLE



## R<sub>o</sub> VALUES

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

NO OF MEAS. = 50

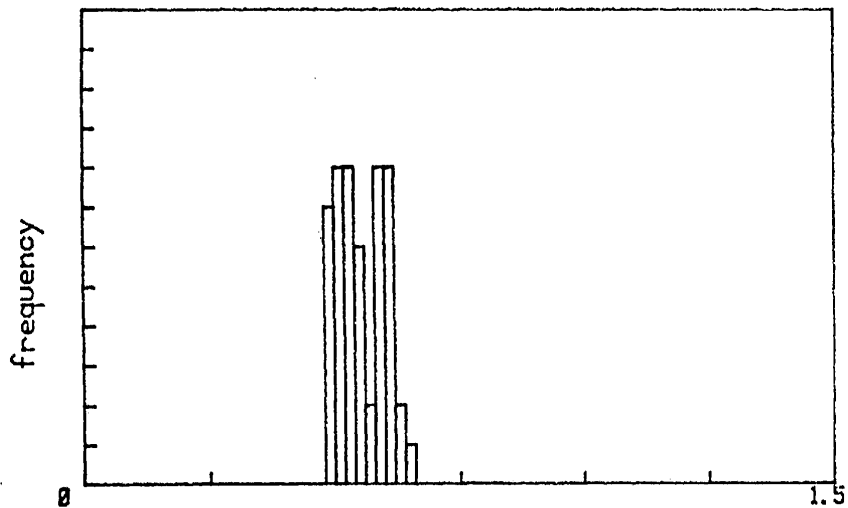
AVE. REFL. .54

STD. DEV = .03

# VITRINITE REFLECTANCE @ 546 nm

MARATHON BEAVER CR#4  
15250-15280 FT

DITCH SAMPLE



## R<sub>o</sub> VALUES

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

NO OF MEAS. = 50

AVE. REFL. .55

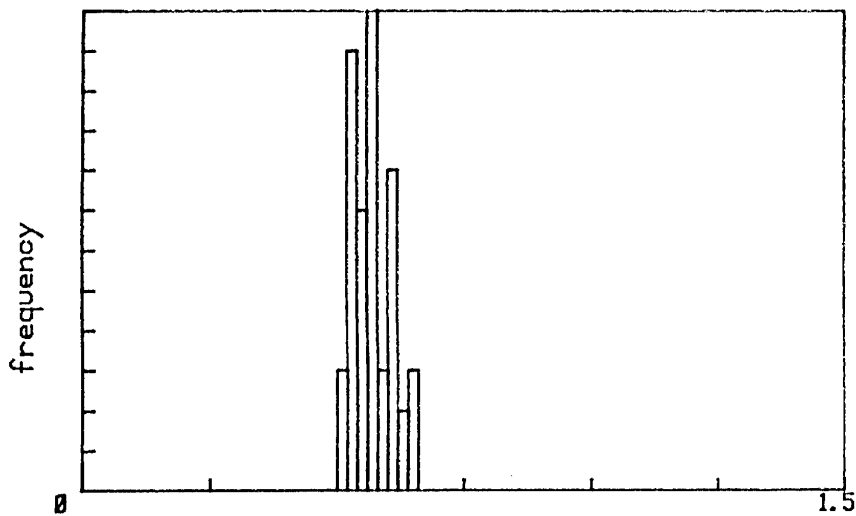
STD. DEV = .05



# VITRINITE REFLECTANCE @ 546 nm

MARATHON BEAVER CR#4  
15520-15580 FT

DITCH SAMPLE



## R<sub>o</sub> VALUES

.5	.5	.5	.52	.52	.52
.52	.52	.53	.53	.53	.53
.53	.53	.54	.54	.54	.55
.55	.55	.55	.56	.56	.56
.56	.56	.56	.56	.57	.57
.57	.57	.57	.57	.58	.58
.59	.6	.6	.6	.6	.6
.6	.61	.61	.62	.62	.64
.64	.65				

NO OF MEAS. = 50

AVE. REFL. .56

STD. DEV = .04