

Vitrinite reflectance data of cuttings and core from the Mobil Oil Corporation
Moquawkie No. 1 well

Received 15 August 1989

Report contains a total of 40 pages

Geologic Materials Center Data Report No. 134

MOBIL MOQUAWKIE #1, ALASKA

ORGANIC MATTER THROUGHOUT THIS WELL IS SIMILAR IN THAT IT CONSISTS
PREDOMINANTLY OF INTERGRADATIONAL TYPES OF VITRINITE (OFTEN
DESMOCOLLINITE). EXINITE, A LESSER COMPONENT, CONSISTS PRIMARILY
OF SPORONITE, LIPTODETRINITE AND BITUMINITE.

DATA PLOTTED IN FIGURE 1 SHOW THAT FLUORESCING ORGANIC MATTER AND
HYDROCARBON INDICATORS OCCUR THROUGHOUT THE WELL. FROM THE STAND POINT
OF THE COMBINATION OF MATURATION LEVEL, FLUORESCENCE INTENSITY
AND DECREASED OXIDATION THE BEST HYDROCARBON GENERATIVE
POTENTIAL WOULD APPEAR TO BE FOR THE SECTION BELOW 7000'.

| FLUORESCENCE | HYDROCARBON INDICATORS* | OXIDATION RIMS | "PSEUDO-GEOPHYTE" |
|--------------|-------------------------|----------------|-------------------|
| R-C | | | |
| R | O ₃ N | R | |
| R | O ₃ N | | |
| R | N | | |
| R-C | | R | R |
| C | | R | |
| R-C | | R | |
| R-C | | R | |
| R-C | | R | |
| R-C | O | | |
| R | | R | R |
| R | | R | |
| R | | R | |
| R | | C | R-C |
| R-C | | R | R |
| R-C | | R | |
| R-C | O | R | |
| R | | R-C | |
| R | O ₃ N | R | |
| R | | R | |
| R-C | O | R | |
| R | O | R | |
| C | O ₃ N | R | R |
| R | O | R | |
| R-C | O | R-C | |
| R-C | N | R | |
| C | O ₃ N | R-C | |
| C | O ₃ N | | |
| C | | R | |
| C | O | | |
| C | O ₃ N | R | |
| C | O ₃ N | R | |
| C | N | | |
| C | O | R-C | |
| C | | R | |
| C | N | R-C | |
| C | O ₃ N | C | |
| C | O ₃ N | | R |

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* R = RARE
C = COMMON
A = ABUNDANT
O = OIL DROPLETS
N = NEWTON RINGS

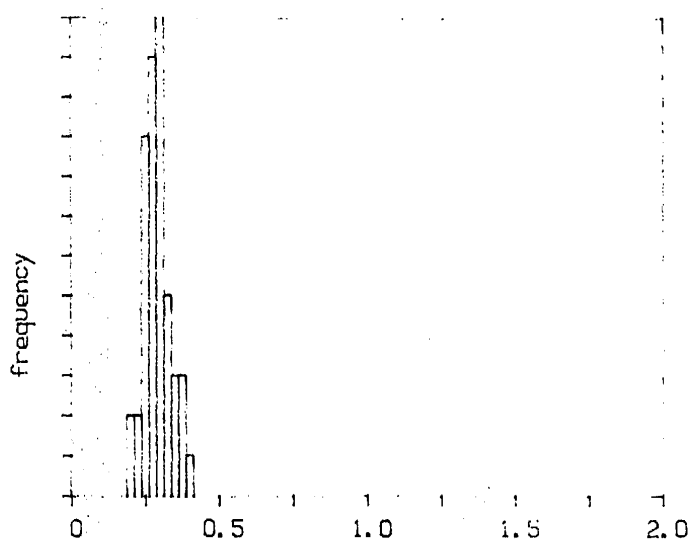
T. A. EDISON
335 FLORIDA ST.
VALLEJO, CA 94590
(707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 200-290 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .22 | .22 | .23 | .24 | .25 | .25 | .26 |
| .26 | .26 | .26 | .26 | .27 | .27 | .28 |
| .28 | .28 | .28 | .29 | .29 | .29 | .29 |
| .29 | .29 | .29 | .30 | .30 | .30 | .31 |
| .31 | .31 | .31 | .31 | .31 | .31 | .31 |
| .32 | .32 | .32 | .32 | .32 | .32 | .33 |
| .33 | .33 | .34 | .34 | .35 | .35 | .36 |
| .38 | .39 | .39 | .40 | | | |

T.A.I.

FLUORESCENCE: RARE TO COMMON; ORANGE
SPORINITE AND LIPTODETRINITE.

OXIDATION RIMS: NONE

NO OF MEAS. = 53

AVG. REFL. = .3

STD. DEV. = .04

COMMENTS: FEW WELL-PRESERVED PYRITE FRAMBOIDS.

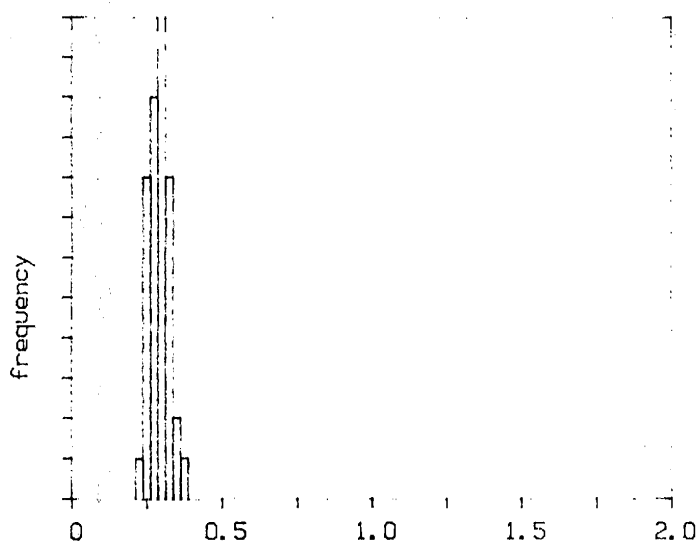
T. A. EDISON
335 FLORIDA ST.
VALLEJO, CA 94590
(707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 470-560 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .24 | .25 | .25 | .26 | .27 | .27 | .27 |
| .27 | .27 | .28 | .28 | .28 | .28 | .29 |
| .29 | .29 | .29 | .29 | .29 | .30 | .30 |
| .30 | .30 | .30 | .30 | .30 | .31 | .31 |
| .31 | .31 | .31 | .32 | .32 | .33 | .33 |
| .33 | .33 | .33 | .34 | .34 | .34 | .35 |
| .36 | .39 | | | | | |

TAI:

FLUORESCENCE: RARE; BRIGHT YELLOW TO
ORANGE LIPTODETRINITE, BRIGHT YELLOW
ALGINITE OR SOLIDIFIED BITUMEN, AND
ORANGE OIL DROPLETS.

OXIDATION RIMS: RARE

NO OF MEAS. = 44

AVG. REFL. = .3

STD. DEV. = .03

COMMENTS: WELL-PRESERVED TO PARTIALLY FUSED PYRITE FRAMBOIDS; NEWTON RINGS
AND OIL DROPLETS.

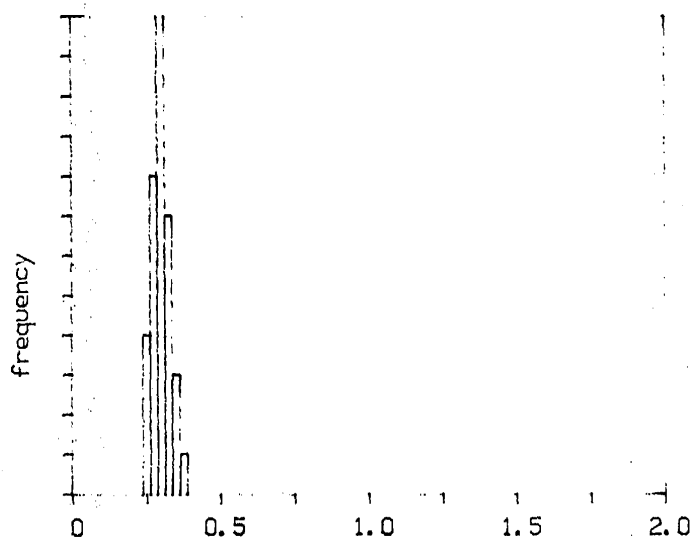
T. A. EDISON
335 FLORIDA ST.
VALLEJO, CA 94590
(707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 740-830 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .26 | .27 | .27 | .27 | .28 | .28 | .28 |
| .29 | .29 | .29 | .29 | .29 | .30 | .30 |
| .30 | .30 | .30 | .30 | .30 | .31 | .31 |
| .31 | .31 | .31 | .31 | .31 | .31 | .31 |
| .31 | .31 | .31 | .32 | .32 | .32 | .32 |
| .32 | .32 | .32 | .32 | .32 | .33 | .33 |
| .33 | .33 | .34 | .34 | .34 | .35 | .35 |
| .36 | .39 | | | | | |

T.A.I.

FLUORESCENCE: RARE; ORANGE SPORINITE,
LIPTODETRINITE AND OIL DROPLETS.

OXIDATION RIMS: NONE

NO OF MEAS. = 51

AVG. REFL. = .31

STD. DEV. = .02

COMMENTS: NEWTON RINGS AND OIL DROPLETS

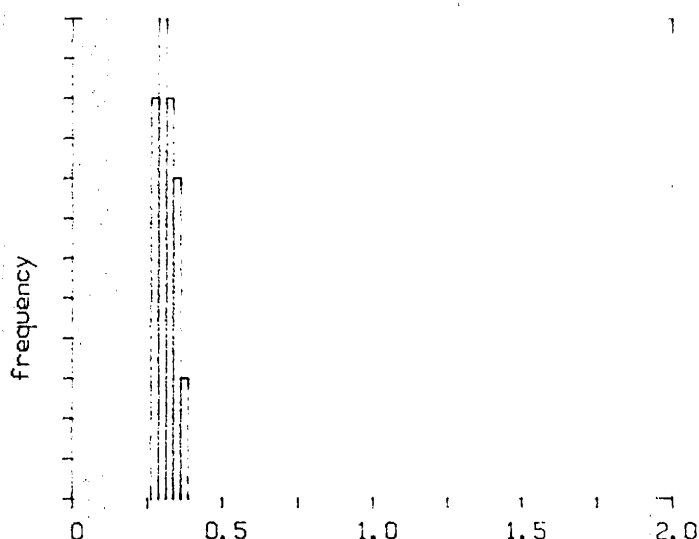
T. A. EDISON
835 FLORIDA ST.
VALLEJO, CA 94590
(707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 1010-1100 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .28 | .28 | .28 | .28 | .28 | .29 | .29 |
| .29 | .29 | .29 | .30 | .31 | .31 | .31 |
| .31 | .31 | .31 | .31 | .32 | .32 | .32 |
| .32 | .32 | .32 | .32 | .32 | .33 | .33 |
| .33 | .33 | .33 | .33 | .34 | .34 | .34 |
| .34 | .35 | .35 | .35 | .35 | .36 | .37 |
| .37 | .37 | .38 | .39 | .39 | | |

TAI:

FLUORESCENCE: RARE; ORANGE SPORINITE
AND LIPTODETRINITE, PALE YELLOW
? FLUORINITE

OXIDATION RIMS: NONE

NO OF MEAS. = 47

AVG. REFL. = .32

STD. DEV. = .03

COMMENTS: FEW WELL-PRESERVED PYRITE FRAMBOIDS; NEWTON RINGS

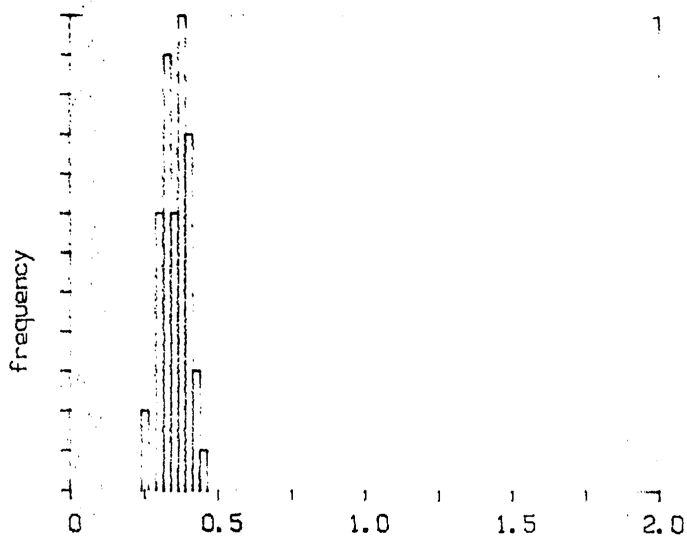
T. A. EDISON
335 FLORIDA ST.
VALLEJO, CA 94580
(707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 1280-1370 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .26 | .27 | .31 | .31 | .31 | .31 | .31 |
| .32 | .32 | .33 | .33 | .33 | .33 | .33 |
| .33 | .34 | .34 | .34 | .34 | .34 | .35 |
| .35 | .35 | .36 | .36 | .36 | .37 | .38 |
| .38 | .38 | .38 | .38 | .38 | .38 | .38 |
| .39 | .39 | .39 | .39 | .40 | .40 | .40 |
| .41 | .41 | .41 | .41 | .41 | .42 | .43 |
| .43 | .43 | .45 | | | | |

TAI:

FLUORESCENCE: RARE TO COMMON; ORANGE
SPORINITE, LIPTODETRINITE AND BITUMINITE.

OXIDATION RIMS: RARE

NO OF MEAS. = 52

AVG. REFL. = .36

STD. DEV. = .04

COMMENTS: FEW WELL-PRESERVED PYRITE FRAMBOIDS; RARE "PSEUDO-GRAPHITE".

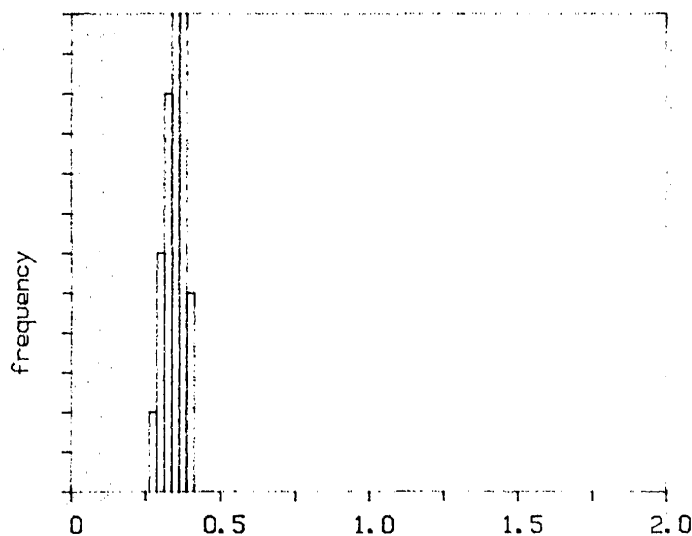
T. A. EDISON
335 FLORIDA ST.
VALLEJO, CA 94590
(707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 1550-1640 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .28 | .29 | .30 | .30 | .31 | .31 | .32 |
| .32 | .33 | .33 | .33 | .33 | .33 | .33 |
| .34 | .34 | .34 | .34 | .35 | .35 | .36 |
| .36 | .36 | .36 | .36 | .36 | .36 | .37 |
| .37 | .37 | .37 | .37 | .37 | .37 | .38 |
| .38 | .38 | .38 | .38 | .38 | .38 | .38 |
| .38 | .38 | .39 | .39 | .39 | .40 | .40 |
| .41 | .41 | .41 | | | | |

TAI:

FLUORESCENCE: COMMON; YELLOW SPORINITE,
LIPTODETRINITE AND BITUMINITE.

OXIDATION RIMS: RARE

NO OF MEAS. = 52

AVG. REFL. = .36

STD. DEV. = .03

COMMENTS: FEW WELL-PRESERVED PYRITE FRAMBOIDS,

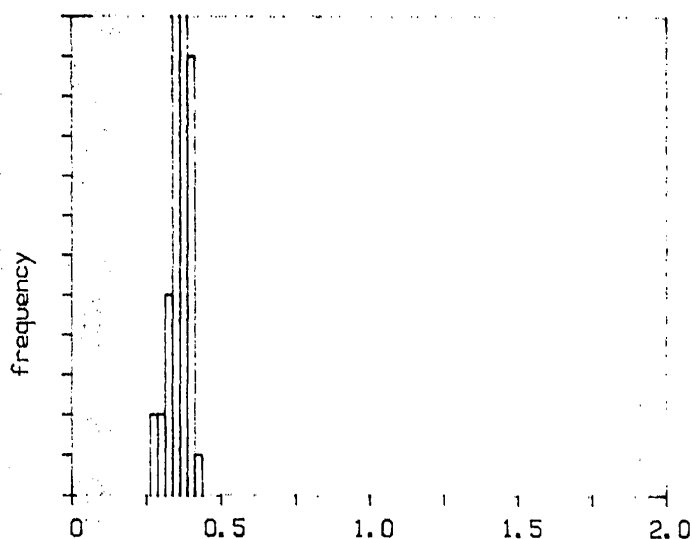
T. A. EDISON
395 FLORIDA ST.
VALLEJO, CA 94590
(707) 554-8682

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 1820-1910 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .28 | .28 | .31 | .32 | .33 | .33 | .34 |
| .34 | .34 | .35 | .35 | .35 | .35 | .35 |
| .35 | .36 | .37 | .37 | .37 | .37 | .37 |
| .37 | .37 | .37 | .37 | .37 | .38 | .38 |
| .38 | .38 | .38 | .38 | .38 | .39 | .39 |
| .39 | .39 | .39 | .39 | .40 | .40 | .40 |
| .41 | .41 | .41 | .41 | .41 | .42 | .42 |
| .42 | .43 | | | | | |

TAI:

FLUORESCENCE: RARE TO COMMON; YELLOW TO ORANGE SPORINITE AND LIPTODETRINITE.

OXIDATION RIMS: RARE

NO OF MEAS. = 51

AVG. REFL. = .37

STD. DEV. = .03

COMMENTS: FEW WELL-PRESERVED PYRITE FRAMBOIDS.

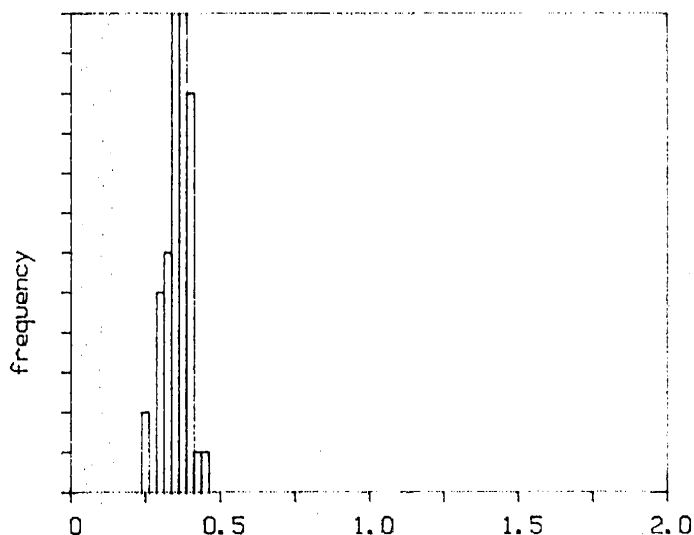
T. A. EDISON
 333 FLORIDA ST.
 VALLEJO, CA 94591
 (707) 554-8887

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
 ALASKA

DEPTH: 2090-2180 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .26 | .27 | .30 | .31 | .32 | .32 | .32 |
| .33 | .33 | .33 | .33 | .34 | .34 | .35 |
| .35 | .36 | .36 | .36 | .36 | .36 | .36 |
| .36 | .36 | .37 | .37 | .37 | .37 | .37 |
| .38 | .38 | .38 | .38 | .38 | .38 | .38 |
| .39 | .39 | .39 | .39 | .39 | .39 | .40 |
| .40 | .40 | .40 | .40 | .40 | .41 | .42 |
| .42 | .42 | .44 | .46 | | | |

TAI:

FLUORESCENCE: RARE TO COMMON; YELLOW TO
 ORANGE SPORINITE AND LIPTODETRINITE;
 BRIGHT YELLOW SOLIDIFIED BITUMEN.

OXIDATION RIMS: RARE

NO OF MEAS. = 53

AVG. REFL. = .37

STD. DEV. = .04

COMMENTS:

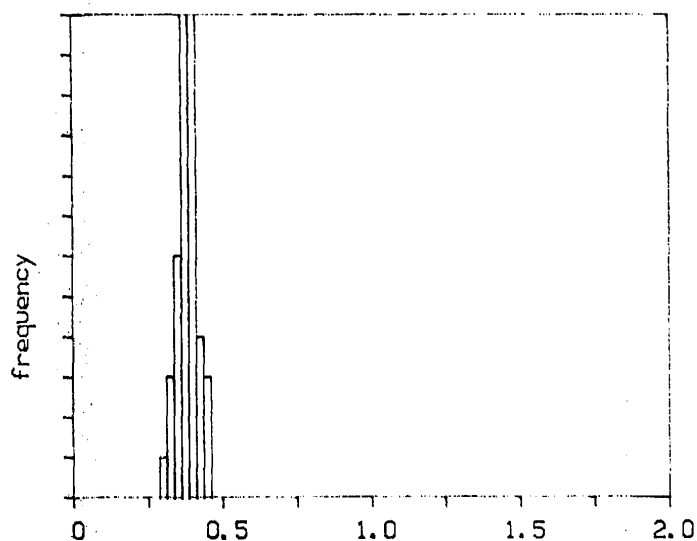
T. A. EDISON
 335 FLORIDA ST.
 VALLEJO, CA 94590
 (707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
 ALASKA

DEPTH: 2360-2450 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .30 | .34 | .34 | .34 | .35 | .35 | .36 |
| .37 | .37 | .37 | .38 | .38 | .38 | .38 |
| .38 | .38 | .38 | .38 | .38 | .38 | .38 |
| .39 | .39 | .39 | .39 | .39 | .39 | .39 |
| .39 | .39 | .39 | .39 | .40 | .40 | .40 |
| .41 | .41 | .41 | .41 | .41 | .41 | .41 |
| .42 | .42 | .42 | .42 | .43 | .43 | .43 |
| .44 | .45 | .46 | .46 | | | |

TAI:
 FLUORESCENCE: RARE TO COMMON; YELLOW
 TO ORANGE SPORINITE AND LIPTO DETRINITE;
 BRIGHT YELLOW SOLIDIFIED BITUMEN.

OXIDATION RIMS: RARE

NO OF MEAS. = 53
 AVG. REFL. = .39
 STD. DEV. = .03
 COMMENTS:

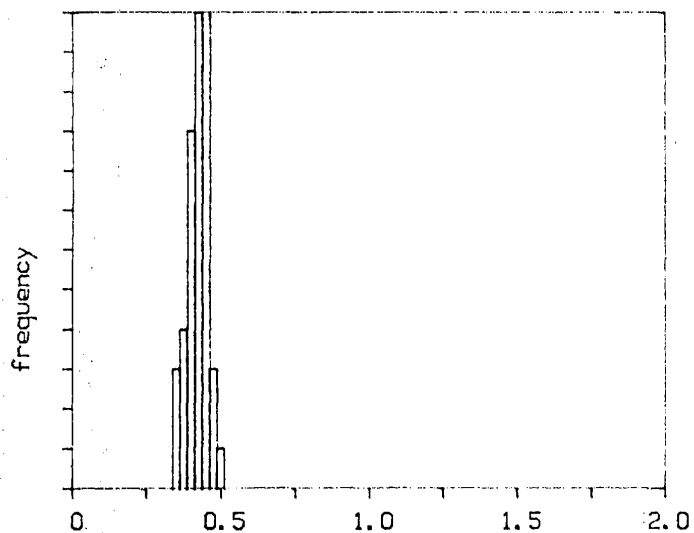
T. A. EDISON
335 FLORIDA ST.
VALLEJO, CA 94590
(707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 2630-2720 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .35 | .36 | .37 | .38 | .39 | .39 | .39 |
| .40 | .40 | .40 | .41 | .42 | .42 | .42 |
| .42 | .42 | .43 | .43 | .44 | .44 | .44 |
| .44 | .44 | .44 | .44 | .44 | .44 | .44 |
| .45 | .45 | .45 | .45 | .45 | .45 | .45 |
| .45 | .46 | .46 | .46 | .47 | .47 | .48 |
| .48 | .49 | .52 | | | | |

TAI:

FLUORESCENCE: RARE TO COMMON; YELLOW TO
DARK ORANGE, SPORINITE AND LIPTODETRINITE;
YELLOW OIL DROPLET.

OXIDATION RIMS: NONE

NO OF MEAS. = 45

AVG. REFL. = .43

STD. DEV. = .03

COMMENTS: FEW WELL-PRESERVED PYRITE FRAMBOIDS.

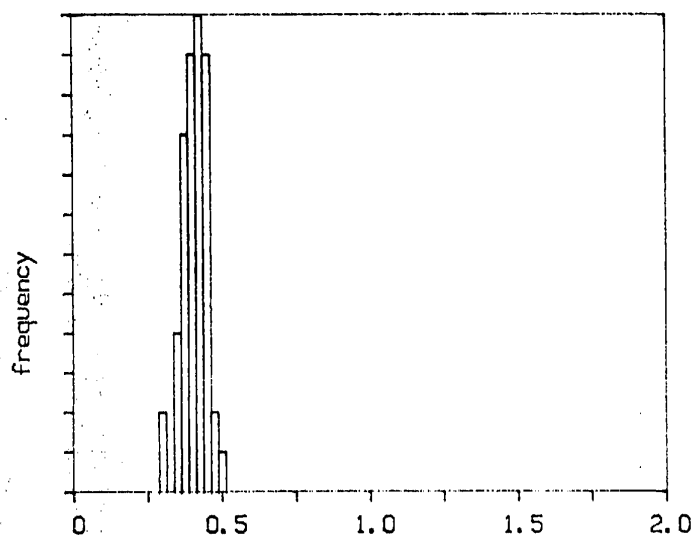
T. A. EDISON
335 FLORIDA ST.
VALLEJO, CA 94580
(707) 554-8587

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 2900-2990 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .32 | .32 | .35 | .35 | .36 | .36 | .38 |
| .38 | .38 | .38 | .39 | .39 | .39 | .39 |
| .39 | .40 | .40 | .40 | .40 | .40 | .40 |
| .41 | .41 | .42 | .42 | .42 | .43 | .44 |
| .44 | .44 | .44 | .44 | .44 | .44 | .44 |
| .44 | .44 | .44 | .45 | .45 | .46 | .46 |
| .46 | .46 | .46 | .46 | .46 | .47 | .47 |
| .48 | .48 | .52 | | | | |

TAI:
FLUORESCENCE? RARE; ORANGE SPORINITE
AND LIPTODETRINITE.
OXIDATION RIMS? RARE

NO OF MEAS. = 52

AVG. REFL. = .42

STD. DEV. = .04

COMMENTS: RARE "PSEUDO-GRAPHITE"

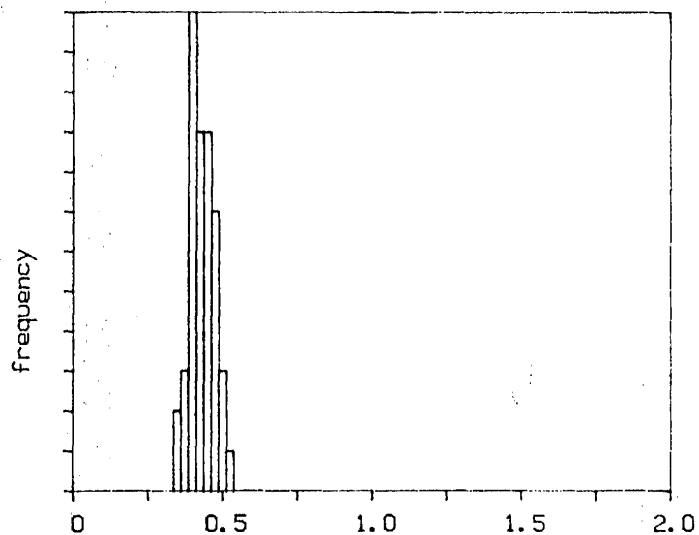
T. A. EDISON
335 FLORIDA ST.
VALLEJO, CA 94590
(707) 554-8587

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 3170-3260 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .37 | .37 | .38 | .38 | .38 | .40 | .40 |
| .40 | .40 | .40 | .40 | .41 | .41 | .41 |
| .42 | .42 | .42 | .42 | .42 | .43 | .43 |
| .43 | .43 | .43 | .43 | .44 | .44 | .44 |
| .45 | .46 | .46 | .46 | .46 | .47 | .47 |
| .47 | .47 | .48 | .48 | .48 | .49 | .49 |
| .49 | .49 | .50 | .52 | .52 | .53 | |

TAI:
FLUORESCENCE: RARE, ORANGE TO DARK
ORANGE SPORINITE AND LIPTO DETRINITE,

OXIDATION RIMS: RARE

NO OF MEAS. = 48

AVG. REFL. = .44

STD. DEV. = .04

COMMENTS:

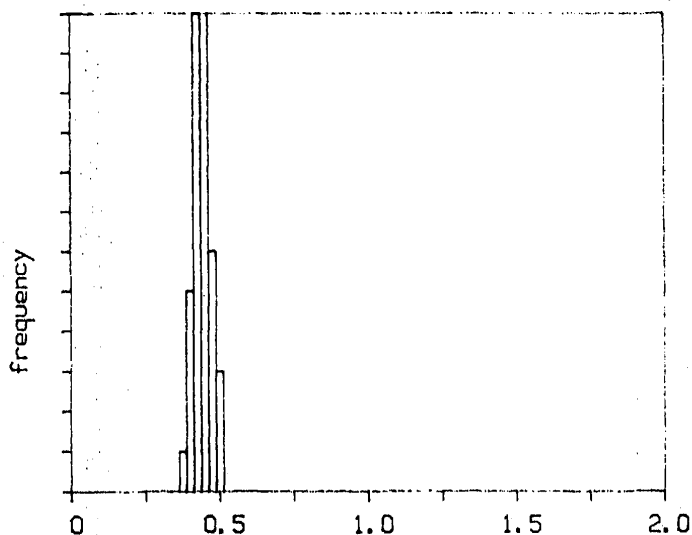
T. A. EDISON
935 FLORIDA ST.
VALLEJO, CA 94590
(707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 3440-3530 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .39 | .40 | .40 | .41 | .41 | .42 | .43 |
| .43 | .43 | .43 | .44 | .44 | .44 | .44 |
| .44 | .44 | .44 | .44 | .45 | .45 | .45 |
| .45 | .45 | .45 | .45 | .45 | .45 | .45 |
| .45 | .45 | .46 | .46 | .46 | .46 | .46 |
| .46 | .47 | .47 | .48 | .48 | .48 | .48 |
| .49 | .49 | .50 | .51 | .51 | | |

TA-I
FLUORESCENCE: RARE; DARK ORANGE SPORINITE
AND LIPTODETRINITE; BRIGHT YELLOW
SOLIDIFIED BITUMEN.

OXIDATION RIMS: RARE

NO OF MEAS. = 47

AVG. REFL. = .45

STD. DEV. = .03

COMMENTS:

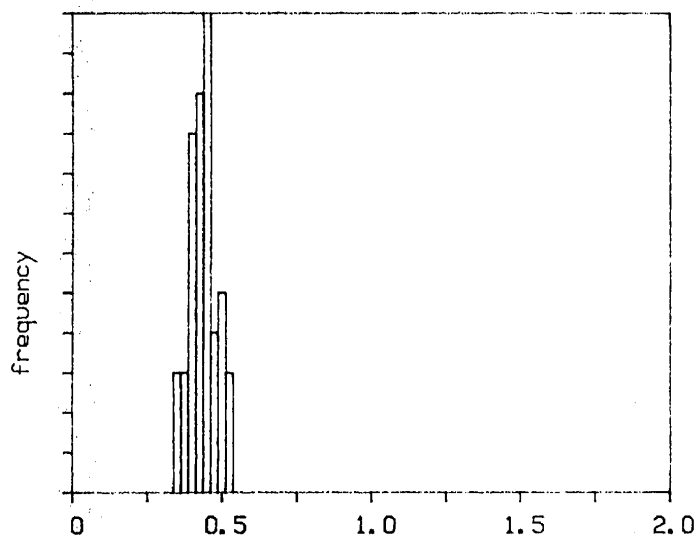
T. A. EDISON
335 FLORIDA ST.
VALLEJO, CA 94590
(707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 3710-3800 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .37 | .37 | .37 | .38 | .39 | .39 | .40 |
| .40 | .40 | .40 | .41 | .41 | .42 | .42 |
| .42 | .43 | .43 | .43 | .43 | .43 | .43 |
| .43 | .44 | .44 | .44 | .45 | .46 | .46 |
| .46 | .46 | .46 | .46 | .47 | .47 | .47 |
| .47 | .47 | .47 | .48 | .48 | .48 | .49 |
| .50 | .51 | .51 | .51 | .52 | .53 | .53 |
| .54 | | | | | | |

TAI:
FLUORESCENCE: RARE; DARK ORANGE SPORINITE
AND LIPTODETRINITE.

OXIDATION RIMS: COMMON

NO OF MEAS. = 50

AVG. REFL. = .45

STD. DEV. = .04

COMMENTS: RARE TO COMMON "PSEUDO-GRAPHITE"; A SINGLE HEAVILY VESICULATED
"COKED" PARTICLE WITH R_0 1.52%.

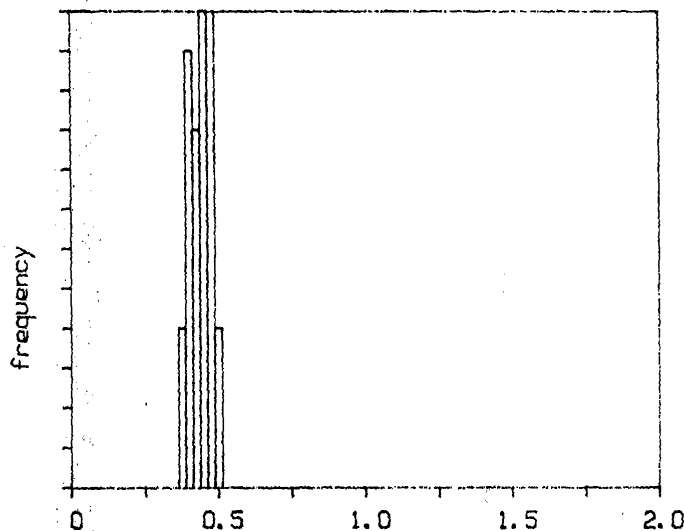
T. A. EDISON
335 FLORIDA ST.
VALLEJO, CA 94590
(707) 554-8887

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 3980-4070 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .38 | .38 | .39 | .39 | .41 | .41 | .41 |
| .41 | .42 | .42 | .42 | .42 | .42 | .42 |
| .42 | .43 | .43 | .43 | .43 | .44 | .44 |
| .44 | .44 | .44 | .45 | .45 | .45 | .46 |
| .46 | .46 | .46 | .46 | .47 | .47 | .47 |
| .47 | .48 | .48 | .48 | .48 | .48 | .48 |
| .48 | .48 | .49 | .49 | .49 | .49 | .49 |
| .50 | .50 | .50 | .51 | | | |

TAI:

FLUORESCENCE: RARE TO COMMON; DARK ORANGE
SPORINITE AND LIPTO DETRINITE; YELLOW
SOLIDIFIED BITUMEN

OXIDATION RIMS: RARE

NO OF MEAS. = 53

AVG. REFL. = .45

STD. DEV. = .03

COMMENTS: RARE "PSEUDO GRAPHITE"

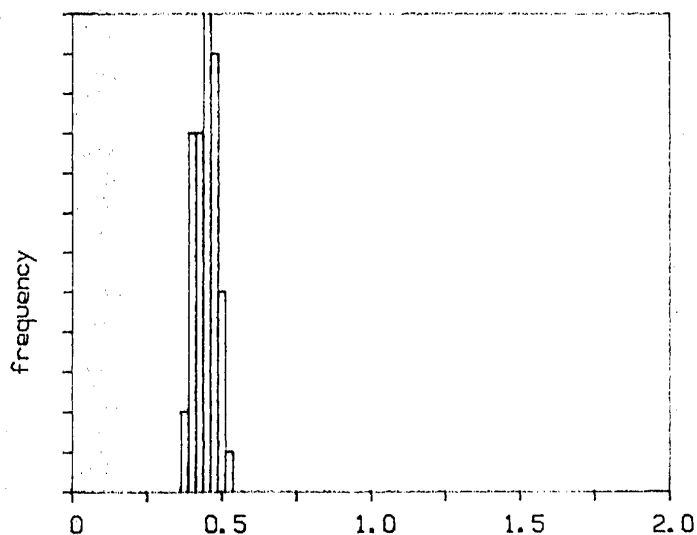
T. A. EDISON
 395 FLORIDA ST.
 VALLEJO, CA 94590
 (707) 554-8587

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
 ALASKA

DEPTH: 4250-4340 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .38 | .39 | .40 | .40 | .41 | .41 | .41 |
| .42 | .42 | .42 | .42 | .43 | .43 | .43 |
| .43 | .43 | .44 | .44 | .44 | .44 | .45 |
| .45 | .45 | .45 | .46 | .46 | .46 | .46 |
| .46 | .47 | .47 | .47 | .47 | .47 | .48 |
| .48 | .48 | .48 | .48 | .48 | .48 | .48 |
| .49 | .49 | .49 | .50 | .51 | .51 | .51 |
| .51 | .54 | | | | | |

TAI:

FLUORESCENCE: RARE TO COMMON; DARK ORANGE
 SPORINITE AND LIPTODETRINITE; BRIGHT
 YELLOW SOLIDIFIED BITUMEN.

OXIDATION RMS; RARE

NO OF MEAS. = 51
 AVG. REFL. = .46
 STD. DEV. = .03
 COMMENTS:

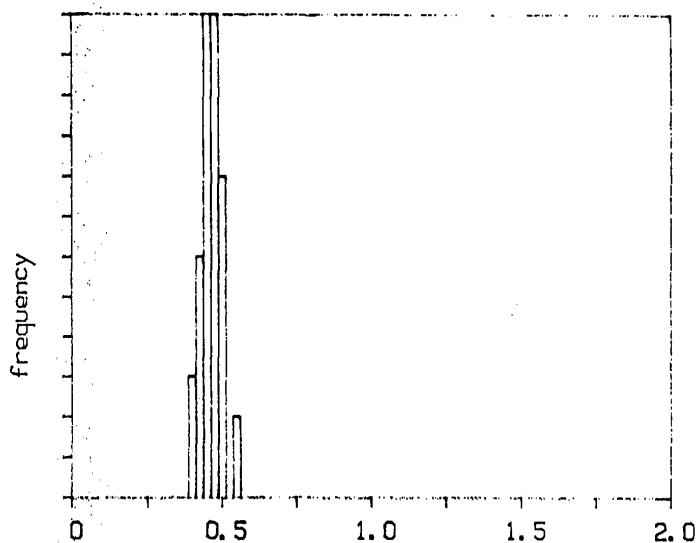
T. A. EDISON
 335 FLORIDA ST.
 VALLEJO, CA 94590
 (707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
 ALASKA

DEPTH: 4520-4610 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .42 | .42 | .42 | .43 | .43 | .44 | .44 |
| .44 | .44 | .45 | .45 | .45 | .45 | .46 |
| .46 | .46 | .46 | .46 | .46 | .46 | .46 |
| .47 | .47 | .47 | .47 | .47 | .47 | .48 |
| .48 | .48 | .48 | .48 | .48 | .48 | .48 |
| .49 | .49 | .49 | .49 | .50 | .50 | .50 |
| .50 | .50 | .51 | .51 | .52 | .55 | .56 |

TAI:
 FLUORESCENCE! RARE TO COMMON; DARK ORANGE
 SPORINITE AND LIPTO DETRINITE, YELLOW-ORANGE
 OIL DROPLETS.

OXIDATION RMS! RARE

NO OF MEAS. = 49
 AVG. REFL. = .47
 STD. DEV. = .03
 COMMENTS:

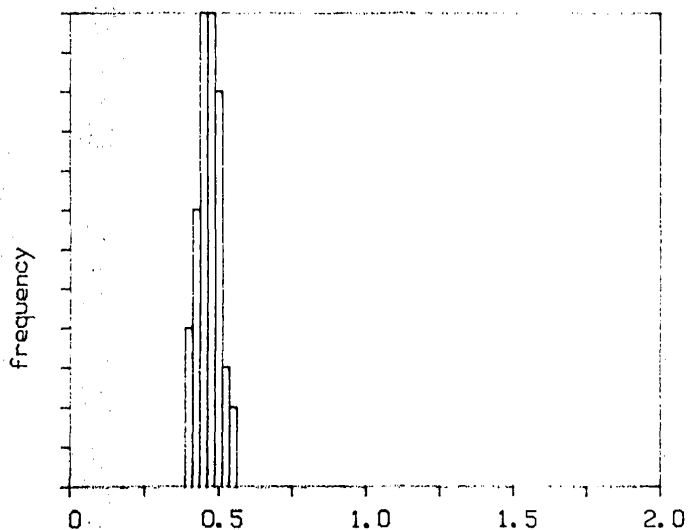
T. A. EDISON
 335 FLORIDA ST.
 VALLEJO, CA 94590
 (707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
 ALASKA

DEPTH: 4790-4880 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .40 | .40 | .41 | .42 | .43 | .43 | .43 |
| .44 | .44 | .44 | .44 | .45 | .45 | .45 |
| .45 | .46 | .46 | .46 | .46 | .46 | .47 |
| .47 | .47 | .48 | .48 | .48 | .48 | .48 |
| .49 | .49 | .49 | .49 | .49 | .49 | .49 |
| .50 | .50 | .50 | .50 | .51 | .51 | .51 |
| .52 | .52 | .52 | .53 | .53 | .54 | .56 |
| .57 | | | | | | |

TAI;
 FLUORESCENCE! RARE; DARK ORANGE SPORINITE
 AND LIPTODETRINITE; YELLOW SOLIDIFIED
 BITUMEN.

OXIDATION RIMS: RARE TO COMMON

NO OF MEAS. = 50

AVG. REFL. = .48

STD. DEV. = .04

COMMENTS:

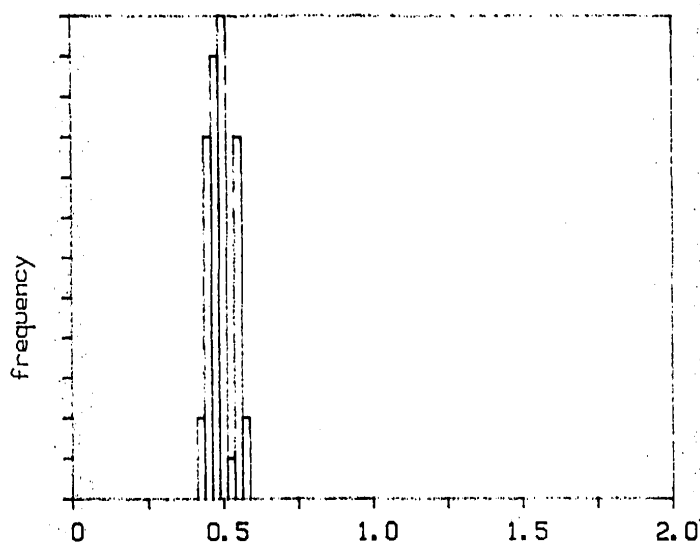
T. A. EDISON
835 FLORIDA ST.
VALLEJO, CA 9459
(707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 5060-5150 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .43 | .44 | .45 | .45 | .45 | .45 | .47 |
| .47 | .47 | .47 | .47 | .48 | .48 | .48 |
| .48 | .48 | .48 | .48 | .49 | .49 | .49 |
| .49 | .50 | .50 | .50 | .50 | .50 | .50 |
| .50 | .51 | .51 | .51 | .51 | .52 | .53 |
| .55 | .56 | .56 | .56 | .57 | .57 | .57 |
| .57 | .57 | .58 | .59 | | | |

TAD!

FLUORESCENCE: RARE; ORANGE TO DARK ORANGE
SPORINITE AND LIPTODETRINITE; YELLOW TO
ORANGE OIL DROPLETS; BRIGHT YELLOW
SOLIDIFIED BITUMEN.

OXIDATION RIMS: RARE

NO OF MEAS. = 46

AVG. REFL. = .5

STD. DEV. = .04

COMMENTS: RARE NEWTON RINGS.

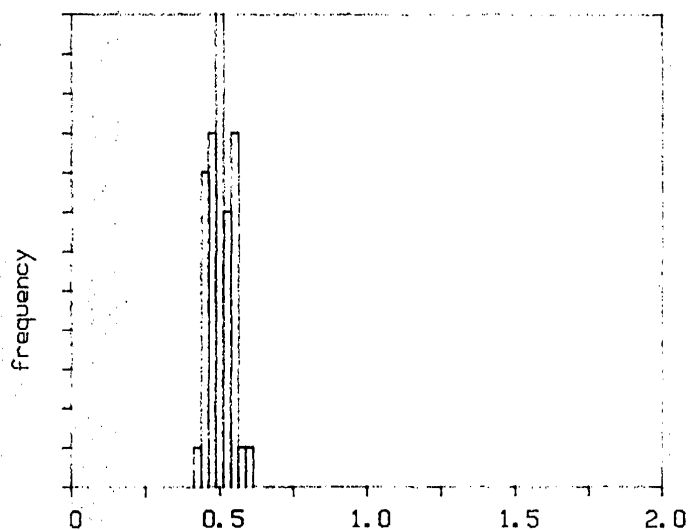
T. A. EDISON
 335 FLORIDA ST.
 VALLEJO, CA 94590
 (707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
 ALASKA

DEPTH: 5330-5420 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .43 | .45 | .45 | .46 | .46 | .47 | .47 |
| .47 | .47 | .48 | .48 | .48 | .48 | .48 |
| .49 | .49 | .49 | .49 | .50 | .50 | .50 |
| .50 | .50 | .50 | .50 | .51 | .51 | .52 |
| .52 | .52 | .52 | .53 | .53 | .53 | .53 |
| .53 | .54 | .54 | .55 | .55 | .55 | .56 |
| .56 | .57 | .57 | .57 | .57 | .58 | .60 |

TAI:

FLUORESCENCE: RARE; YELLOW-ORANGE TO
 DARK ORANGE LIPTODETRINITE AND SPORINITE;
 BRIGHT YELLOW SOLIDIFIED BITUMEN.

OXIDATION RIMS: RARE

NO OF MEAS. = 49
 AVG. REFL. = .51
 STD. DEV. = .04
 COMMENTS:

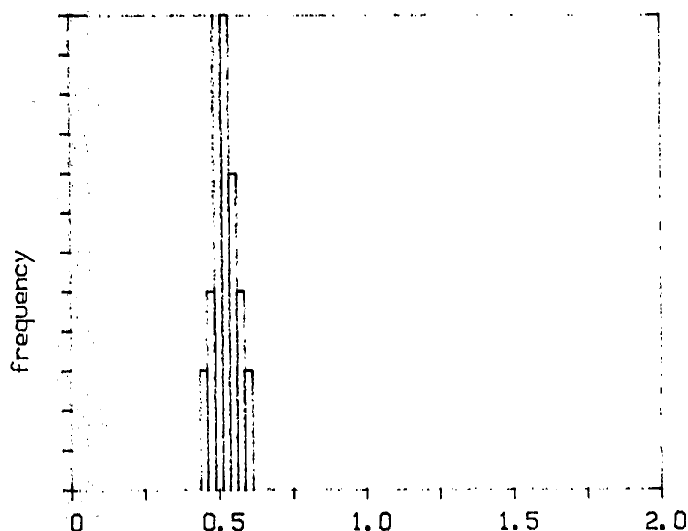
T. A. EDISON
 335 FLORIDA ST.
 VALLEJO, CA 94590
 (707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
 ALASKA

DEPTH: 5600-5690 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .46 | .47 | .47 | .48 | .49 | .49 | .49 |
| .49 | .50 | .50 | .50 | .50 | .50 | .50 |
| .51 | .51 | .51 | .51 | .52 | .52 | .52 |
| .52 | .52 | .52 | .53 | .53 | .53 | .53 |
| .53 | .53 | .53 | .54 | .54 | .54 | .54 |
| .54 | .55 | .55 | .55 | .55 | .56 | .56 |
| .56 | .57 | .58 | .58 | .59 | .59 | .59 |
| .60 | .61 | .62 | | | | |

TAI;
 FLUORESCENCE: RARE TO COMMON; YELLOW TO
 DARK ORANGE SPORINITE AND LIPTODETRINITE;
 YELLOW OIL DROPLETS; BRIGHT YELLOW ? SOLID-
 IFIED BITUMEN

OXIDATION RIMS: RARE

NO OF MEAS. = 52

AVG. REFL. = .53

STD. DEV. = .04

COMMENTS:

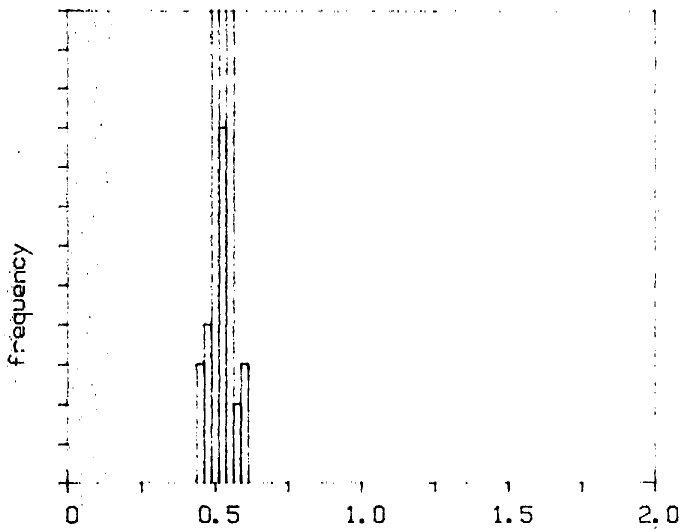
T. A. EDISON
 335 FLORIDA ST.
 VALLEJO, CA 94590
 (707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
 ALASKA

DEPTH: 5870-5960 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .46 | .47 | .47 | .48 | .49 | .49 | .49 |
| .50 | .50 | .50 | .50 | .51 | .51 | .51 |
| .51 | .51 | .51 | .51 | .52 | .52 | .52 |
| .52 | .53 | .53 | .53 | .54 | .54 | .54 |
| .54 | .54 | .54 | .55 | .55 | .55 | .55 |
| .55 | .55 | .55 | .55 | .56 | .56 | .56 |
| .56 | .56 | .57 | .57 | .58 | .59 | .60 |
| .62 | .62 | | | | | |

TAI:
 FLUORESCENCE: RARE; YELLOW-ORANGE
 SPORINITE AND LIPTODETRINITE, ORANGE
 OIL DROPLETS; BRIGHT YELLOW SOLIDIFIED
 BITUMEN.

OXIDATION RIMS: RARE

NO OF MEAS. = 51
 AVG. REFL. = .53
 STD. DEV. = .04
 COMMENTS:

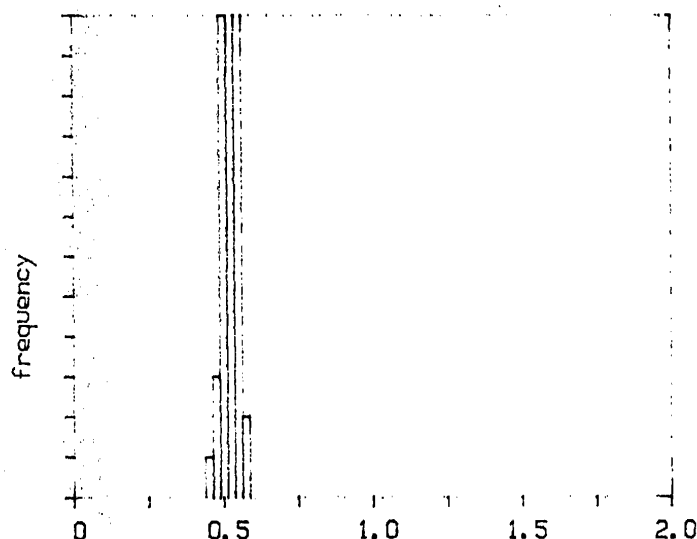
T. A. EDISON
835 FLORIDA ST.
VALLEJO, CA 94590
(707) 554-8587

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 6140-6230 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .46 | .48 | .49 | .49 | .50 | .50 | .50 |
| .50 | .51 | .51 | .52 | .52 | .52 | .52 |
| .52 | .52 | .53 | .53 | .53 | .53 | .53 |
| .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 | .58 | | | | | |

TAI.
FLUORESCENCE: COMMON; YELLOW TO DARK
ORANGE SPORINITE AND LIPTODETRINITE; YELLOW
OIL DROPLETS; BRIGHT YELLOW SOLIDIFIED
BITUMEN.

OXIDATION RIMS: RARE

NO OF MEAS. = 51

AVG. REFL. = .53

STD. DEV. = .03

COMMENTS: FEW NEWTON RINGS; RARE "PSEUDO-GRAPHITE"

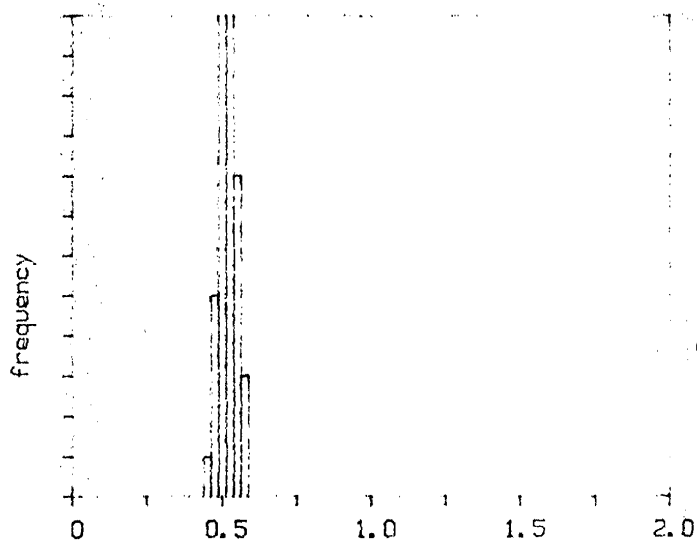
T. A. EDISON
 335 FLORIDA ST.
 VALLEJO, CA 9459
 (707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
 ALASKA

DEPTH: 6410-6500 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .47 | .48 | .48 | .48 | .49 | .49 | .50 |
| .50 | .50 | .51 | .51 | .51 | .52 | .52 |
| .52 | .52 | .52 | .52 | .52 | .53 | .53 |
| .53 | .53 | .53 | .53 | .53 | .54 | .54 |
| .54 | .54 | .54 | .54 | .54 | .54 | .54 |
| .54 | .55 | .55 | .55 | .55 | .55 | .56 |
| .56 | .57 | .58 | .58 | .58 | | |

TAI!
 FLUORESCENCE: RARE; YELLOW TO ORANGE
 SPORINITE AND LIPTODETRINITE; ORANGE OIL
 DROPLETS; YELLOW SOLIDIFIED BITUMEN,

OXIDATION RIMS: RARE

NO OF MEAS. = 47
 AVG. REFL. = .53
 STD. DEV. = .03
 COMMENTS:

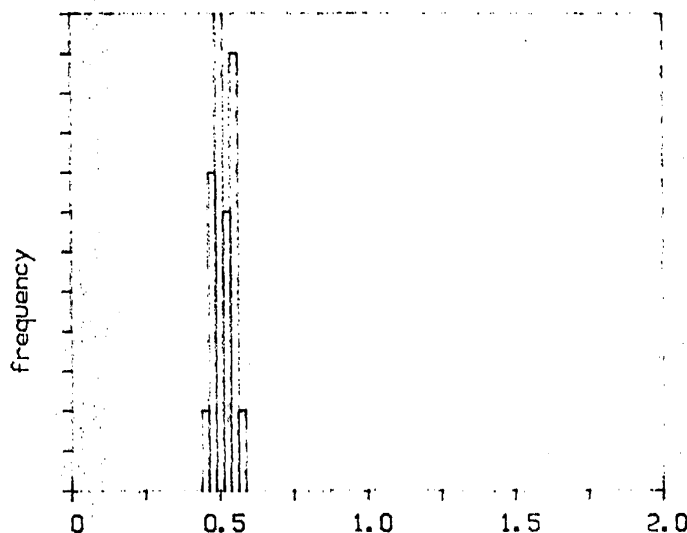
T. A. EDISON
 935 FLORIDA ST.
 VALLEJO, CA 94590
 (707) 554-8887

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
 ALASKA

DEPTH: 6680-6770 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .45 | .46 | .48 | .48 | .48 | .48 | .48 |
| .48 | .49 | .49 | .50 | .50 | .50 | .50 |
| .50 | .50 | .51 | .51 | .51 | .51 | .51 |
| .51 | .52 | .52 | .52 | .52 | .52 | .53 |
| .53 | .53 | .53 | .54 | .54 | .54 | .55 |
| .55 | .55 | .55 | .55 | .55 | .55 | .56 |
| .56 | .56 | .56 | .58 | .59 | | |

TAI;
 FLUORESCENCE: RARE TO COMMON; YELLOW TO
 ORANGE SPORINITE AND LIPTODETRINITE;
 YELLOW TO ORANGE OIL DROPLETS; BRIGHT
 YELLOW SOLIDIFIED BITUMEN.

OXIDATION RIMS; RARE TO COMMON

NO OF MEAS. = 47
 AVG. REFL. = .52
 STD. DEV. = .03
 COMMENTS:

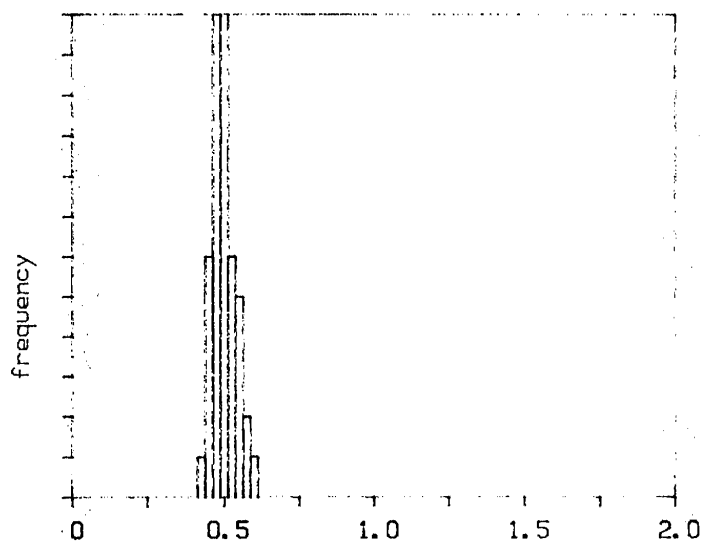
T. A. EDISON
335 FLORIDA ST.
VALLEJO, CA 94591
(707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 6950-7040 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .44 | .45 | .45 | .46 | .46 | .47 | .47 |
| .48 | .48 | .48 | .48 | .49 | .49 | .49 |
| .49 | .49 | .49 | .49 | .49 | .50 | .50 |
| .50 | .51 | .51 | .51 | .51 | .51 | .51 |
| .51 | .51 | .51 | .52 | .52 | .52 | .52 |
| .52 | .52 | .53 | .53 | .53 | .54 | .54 |
| .54 | .55 | .55 | .56 | .56 | .56 | .58 |
| .59 | .61 | | | | | |

TAT:

FLUORESCENCE: RARE TO COMMON; YELLOW
TO DARK ORANGE SPORINITE AND LIPTODETRINITE
BRIGHT YELLOW SOLIDIFIED BITUMEN.

OXIDATION RIMS: RARE

NO OF MEAS. = 51

AVG. REFL. = .51

STD. DEV. = .04

COMMENTS: RARE NEWTON RINGS

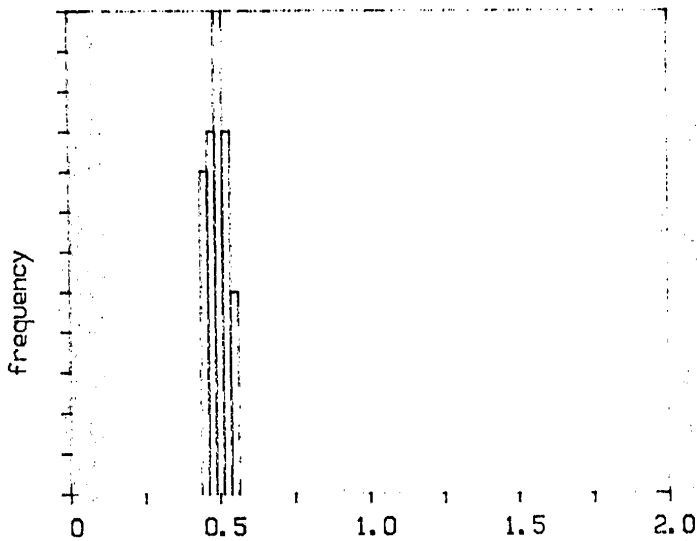
T. A. EDISON
 335 FLORIDA ST.
 VALLEJO, CA 94591
 (707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
 ALASKA

DEPTH: 7220-7310 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .45 | .45 | .46 | .46 | .46 | .47 | .47 |
| .47 | .48 | .48 | .48 | .48 | .49 | .49 |
| .49 | .49 | .49 | .50 | .50 | .50 | .50 |
| .50 | .50 | .50 | .51 | .51 | .52 | .52 |
| .52 | .52 | .52 | .52 | .52 | .52 | .53 |
| .53 | .53 | .53 | .53 | .54 | .54 | .54 |
| .54 | .55 | .55 | .56 | .57 | .57 | |

TAI:

FLUORESCENCE: COMMON; YELLOW TO ORANGE
 SPORINITE AND LIPTODETRINITE; BRIGHT YELLOW
 OIL DROPLETS; BRIGHT YELLOW SOLIDIFIED
 BITUMEN.

OXIDATION RIMS: RARE TO COMMON

NO OF MEAS. = 48

AVG. REFL. = .51

STD. DEV. = .03

COMMENTS: NEWTON RINGS

T. A. EDISON
335 FLORIDA ST.
VALLEJO, CA 94590
(707) 554-8687

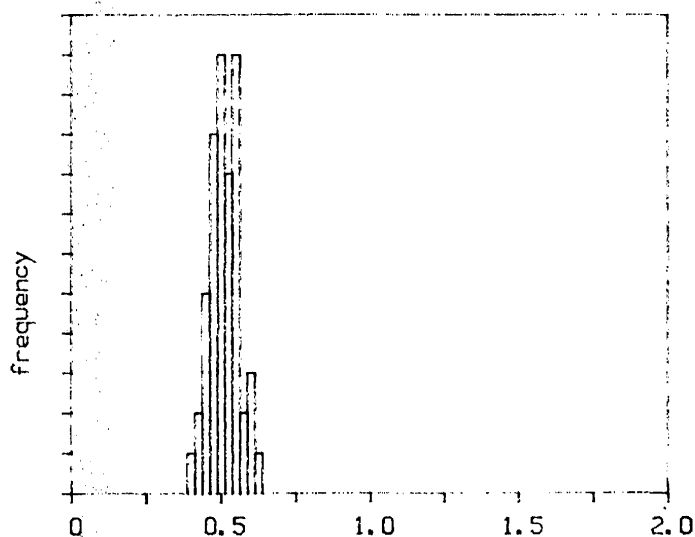
PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1

ALASKA

DEPTH: 7490-7580 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .42 | .44 | .44 | .46 | .46 | .47 | .47 |
| .47 | .48 | .48 | .48 | .49 | .49 | .49 |
| .49 | .49 | .49 | .50 | .50 | .50 | .50 |
| .50 | .50 | .51 | .51 | .51 | .51 | .52 |
| .53 | .53 | .53 | .54 | .54 | .54 | .54 |
| .54 | .55 | .55 | .55 | .55 | .55 | .56 |
| .56 | .56 | .57 | .57 | .57 | .58 | .58 |
| .60 | .61 | .62 | .64 | | | |

TAI:

FLUORESCENCE: COMMON; YELLOW TO ORANGE
SPORINITE AND LIPTODETRINITE; ORANGE
OIL DROPLETS.

OXIDATION RIMS: NONE

NO OF MEAS. = 53

AVG. REFL. = .52

STD. DEV. = .05

COMMENTS: NEWTON RINGS

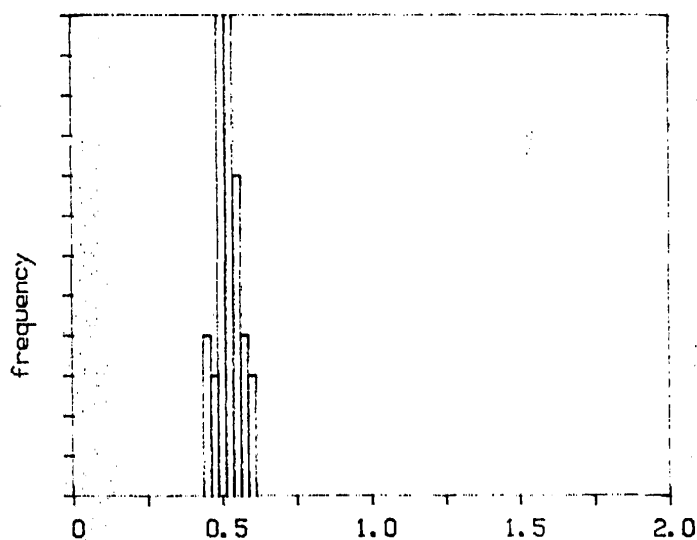
T. A. EDISON
 335 FLORIDA ST.
 VALLEJO, CA 94590
 (707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
 ALASKA

DEPTH: 7760-7850 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .45 | .46 | .47 | .47 | .49 | .49 | .49 |
| .50 | .50 | .50 | .50 | .50 | .51 | .51 |
| .51 | .51 | .51 | .51 | .52 | .52 | .52 |
| .52 | .52 | .52 | .52 | .53 | .53 | .53 |
| .53 | .53 | .53 | .53 | .54 | .54 | .54 |
| .54 | .54 | .54 | .54 | .55 | .55 | .56 |
| .56 | .56 | .57 | .57 | .57 | .58 | .58 |
| .58 | .58 | .61 | .61 | .62 | | |

TAI:
 FLUORESCENCE: COMMON; YELLOW TO DARK
 ORANGE SPORINITE AND LIPTODETRINITE;
 BRIGHT YELLOW SOLIDIFIED BITUMEN;
 YELLOW-ORANGE ? ALGINITE.

OXIDATION RIMS: RARE

NO OF MEAS. = 54
 AVG. REFL. = .53
 STD. DEV. = .04
 COMMENTS:

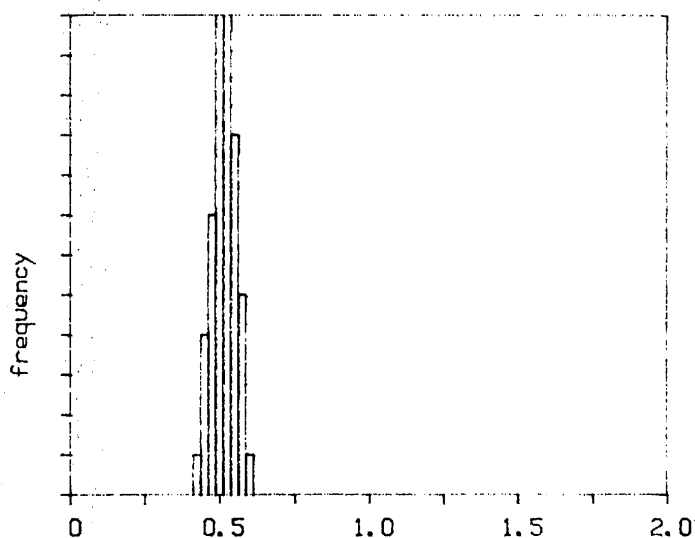
T. A. EDISON
 335 FLORIDA ST.
 VALLEJO, CA 94590
 (707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
 ALASKA

DEPTH: 8030-8120 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .44 | .45 | .46 | .47 | .47 | .48 | .48 |
| .48 | .48 | .48 | .49 | .49 | .50 | .50 |
| .50 | .50 | .50 | .51 | .51 | .51 | .52 |
| .52 | .52 | .52 | .52 | .52 | .53 | .53 |
| .53 | .53 | .53 | .53 | .53 | .53 | .54 |
| .54 | .54 | .54 | .54 | .55 | .55 | .56 |
| .56 | .56 | .56 | .57 | .57 | .57 | .58 |
| .58 | .59 | .59 | .59 | .60 | | |

TAI:

FLUORESCENCE: COMMON; YELLOW TO DARK
 ORANGE SPORINITE AND LIGHT DETRINITE;
 ORANGE OIL DROPLETS; BRIGHT YELLOW
 SOLIDIFIED BITUMEN.

OXIDATION RIMS: NONE

NO OF MEAS. = 54

AVG. REFL. = .52

STD. DEV. = .04

COMMENTS:

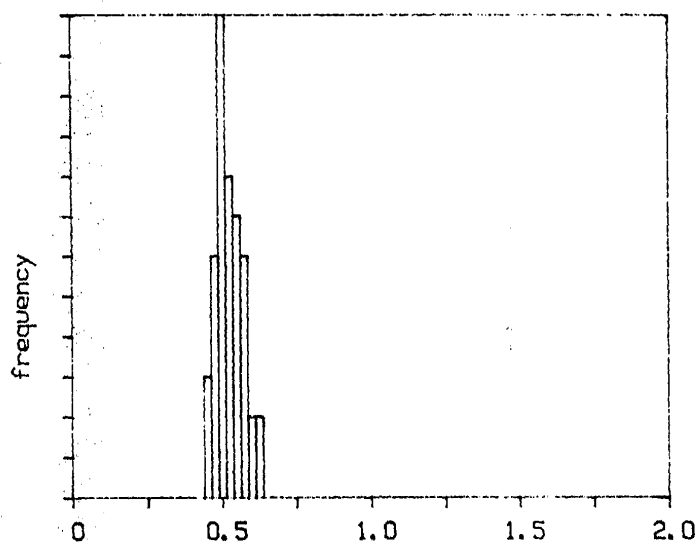
T. A. EDISON
 335 FLORIDA ST.
 VALLEJO, CA 94590
 (707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
 ALASKA

DEPTH: 8300-8390 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .46 | .46 | .46 | .48 | .48 | .48 | .48 |
| .49 | .49 | .50 | .50 | .50 | .50 | .51 |
| .51 | .51 | .51 | .52 | .52 | .52 | .52 |
| .52 | .53 | .53 | .53 | .53 | .54 | .54 |
| .54 | .54 | .55 | .55 | .55 | .56 | .56 |
| .57 | .57 | .58 | .58 | .58 | .59 | .59 |
| .59 | .60 | .62 | .63 | .63 | | |

TAI:
 FLUORESCENCE! COMMON; YELLOW TO DULL
 ORANGE SPORINITE AND LIPTO DETRINITE;
 ORANGE OIL DROPLETS; BRIGHT YELLOW
 SOLIDIFIED BITUMEN.

OXIDATION RIMS! RARE

NO OF MEAS. = 47

AVG. REFL. = .53

STD. DEV. = .04

COMMENTS: NEWTON RINGS

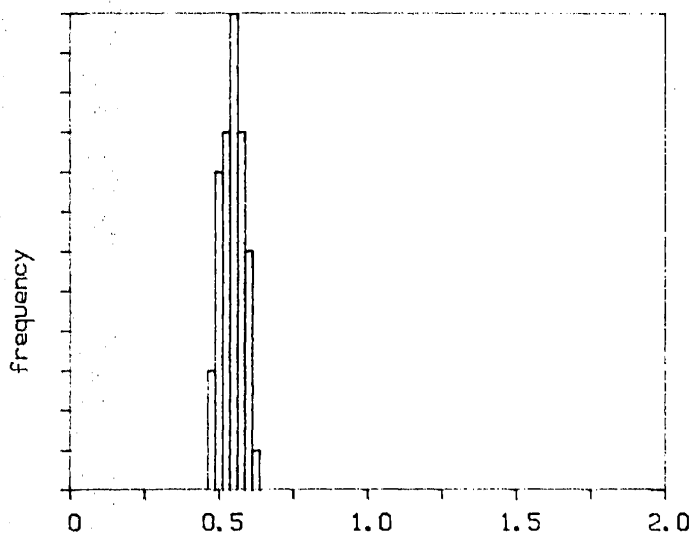
T. A. EDISON
 335 FLORIDA ST.
 VALLEJO, CA 94590
 (707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
 ALASKA

DEPTH: 8570-8660 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .48 | .48 | .49 | .50 | .50 | .50 | .51 |
| .51 | .52 | .52 | .52 | .53 | .53 | .53 |
| .53 | .54 | .54 | .54 | .54 | .54 | .55 |
| .55 | .55 | .55 | .55 | .56 | .56 | .58 |
| .56 | .56 | .57 | .57 | .58 | .58 | .58 |
| .58 | .58 | .58 | .59 | .59 | .59 | .60 |
| .60 | .60 | .60 | .60 | .62 | .63 | |

TAS:
 FLUORESCENCE: COMMON; ORANGE SPORINITE
 AND LIPTODETRINITE, YELLOW OIL DROPLETS,
 YELLOW SOLIDIFIED BITUMEN.

OXIDATION RIMS: RARE

NO OF MEAS. = 48

AVG. REFL. = .55

STD. DEV. = .04

COMMENTS: *NEWTON RINGS*

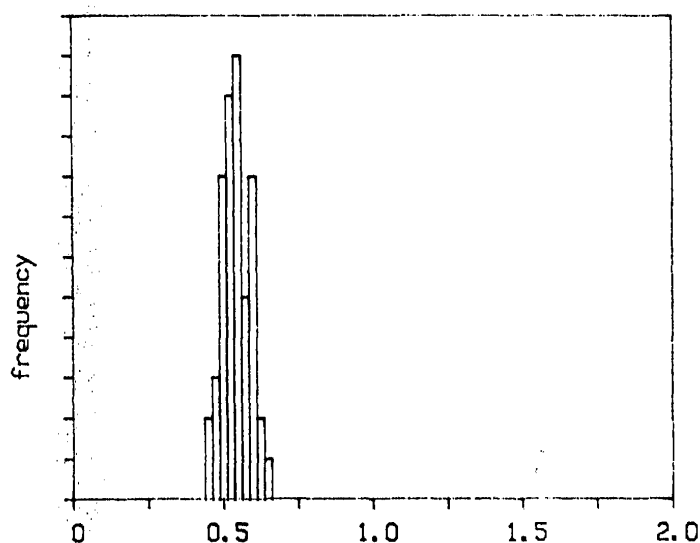
T. A. EDISON
335 FLORIDA ST.
VALLEJO, CA 94590
(707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 8840-8930 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .47 | .47 | .48 | .49 | .49 | .50 | .50 |
| .50 | .51 | .51 | .52 | .52 | .52 | .53 |
| .53 | .53 | .53 | .54 | .54 | .54 | .54 |
| .54 | .54 | .55 | .55 | .56 | .56 | .56 |
| .56 | .56 | .56 | .57 | .57 | .57 | .58 |
| .58 | .59 | .59 | .59 | .61 | .61 | .61 |
| .62 | .62 | .62 | .62 | .62 | .63 | .64 |
| .65 | | | | | | |

TAI:

FLUORESCENCE: COMMON; YELLOW TO ORANGE
SPORINITE AND LIPTO DETRINITE; DARK
ORANGE ? SOLIDIFIED BITUMEN.

OXIDATION RIMS: NONE

NO OF MEAS. = 50

AVG. REFL. = .56

STD. DEV. = .05

COMMENTS: NEWTON RINGS

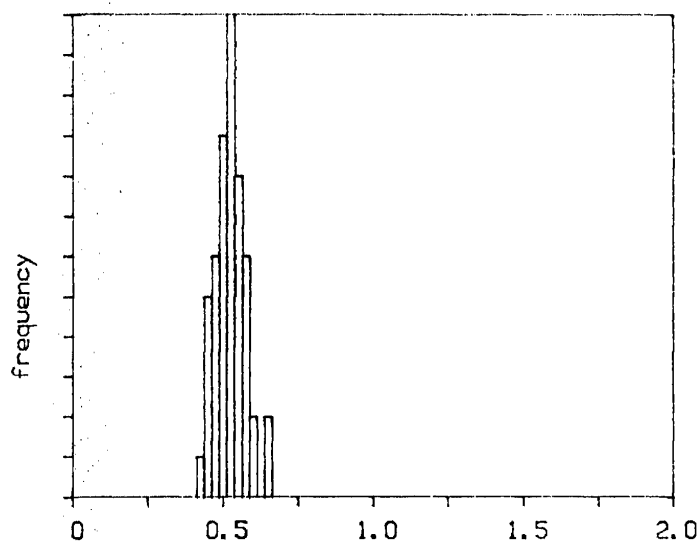
T. A. EDISON
335 FLORIDA ST.
VALLEJO, CA 94590
(707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 9110-9200 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .44 | .45 | .45 | .47 | .47 | .47 | .48 |
| .48 | .48 | .48 | .48 | .49 | .50 | .50 |
| .50 | .50 | .50 | .50 | .51 | .51 | .52 |
| .53 | .53 | .53 | .53 | .53 | .53 | .53 |
| .53 | .54 | .54 | .54 | .54 | .54 | .54 |
| .55 | .55 | .55 | .55 | .56 | .57 | .57 |
| .57 | .58 | .58 | .58 | .58 | .59 | .59 |
| .61 | .61 | .65 | .65 | | | |

TAI:

FLUORESCENCE: COMMON; YELLOW-ORANGE
SPORINITE AND LIPTODETRINITE; BRIGHT
YELLOW TO ORANGE OIL DROPLETS; BRIGHT
YELLOW SOLIDIFIED BITUMEN.

OXIDATION RIMS: RARE-COMMON

NO OF MEAS. = 53
AVG. REFL. = .53
STD. DEV. = .05
COMMENTS:

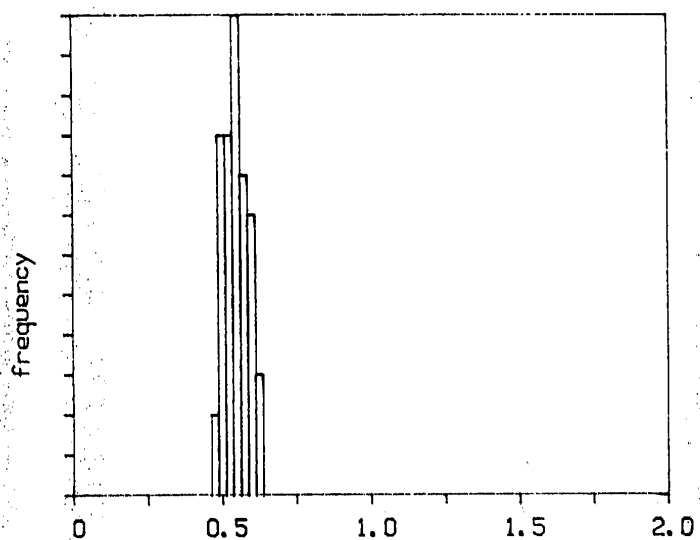
T. A. EDISON
335 FLORIDA ST.
VALLEJO, CA 94590
(707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 9380-9470 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .49 | .49 | .50 | .50 | .50 | .50 | .51 |
| .51 | .51 | .51 | .51 | .53 | .53 | .53 |
| .53 | .53 | .53 | .54 | .54 | .54 | .55 |
| .55 | .55 | .55 | .55 | .55 | .56 | .56 |
| .57 | .57 | .57 | .57 | .58 | .58 | .58 |
| .58 | .59 | .59 | .59 | .59 | .60 | .60 |
| .60 | .60 | .62 | .62 | .62 | .63 | .63 |
| .64 | | | | | | |

TAI:
FLUORESCENCE: COMMON; BRIGHT YELLOW TO
ORANGE SPORINITE AND LIPTODETRINITE;
OXIDATION RIMS; RARE

NO OF MEAS. = 50
AVG. REFL. = .56
STD. DEV. = .04
COMMENTS:

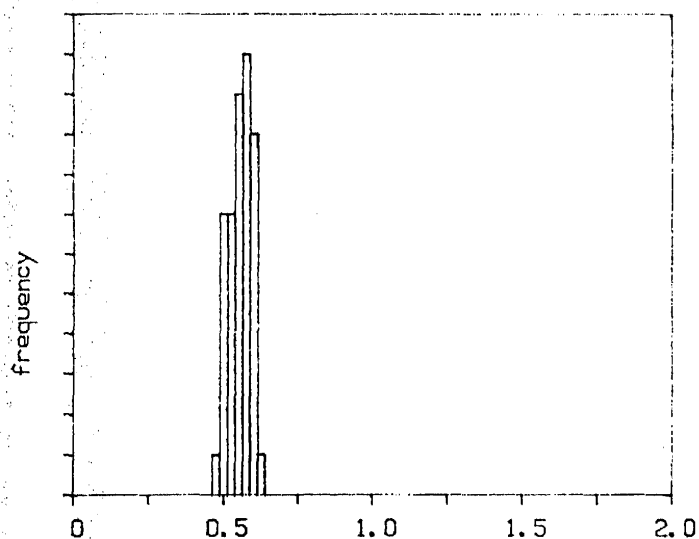
T. A. EDISON
335 FLORIDA ST.
VALLEJO, CA 94590
(707) 554-8687

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 9650-9740 ft

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .49 | .50 | .50 | .51 | .51 | .51 | .52 |
| .52 | .53 | .53 | .54 | .54 | .54 | .54 |
| .54 | .55 | .55 | .55 | .56 | .56 | .56 |
| .56 | .56 | .57 | .57 | .58 | .58 | .58 |
| .58 | .58 | .58 | .58 | .58 | .59 | .59 |
| .59 | .60 | .60 | .60 | .60 | .60 | .61 |
| .61 | .62 | .62 | .63 | | | |

TAI!
FLUORESCENCE: COMMON; BRIGHT TO DULL
ORANGE SPORINITE AND LIPTODETRINITE.
OXIDATION RIMS: RARE TO COMMON

NO OF MEAS. = 46

AVG. REFL. = .56

STD. DEV. = .04

COMMENTS: NEWTON RINGS

T. A. EDISON
335 FLORIDA ST.
VALLEJO, CA 94591
(707) 554-8687

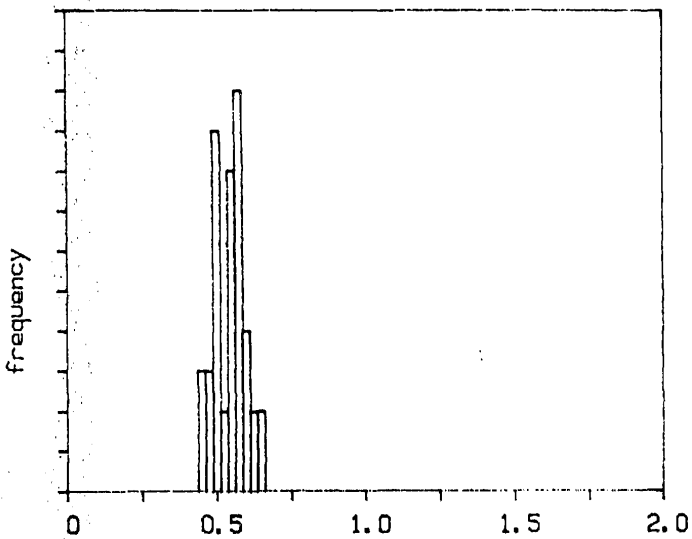
PERCENT REFLECTANCE @ 546 nm

MOBIL MO. QUAWKIE #1

ALASKA

DEPTH: 9940-10030 ft D/S

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .45 | .45 | .47 | .48 | .49 | .49 | .50 |
| .50 | .50 | .51 | .51 | .51 | .52 | .52 |
| .52 | .54 | .54 | .55 | .55 | .55 | .56 |
| .56 | .56 | .56 | .56 | .58 | .58 | .58 |
| .58 | .58 | .59 | .59 | .59 | .59 | .59 |
| .60 | .60 | .61 | .61 | .63 | .64 | .65 |
| .67 | | | | | | |

TAI:

FLUORESCENCE: COMMON; YELLOW TO DARK
ORANGE LIPTODETRINITE AND SPORINITE;
BRIGHT YELLOW TO ORANGE OIL DROPLETS

OXIDATION RIMS; COMMON

NO OF MEAS. = 43

AVG. REFL. = .55

STD. DEV. = .05

COMMENTS: NEWTON RINGS

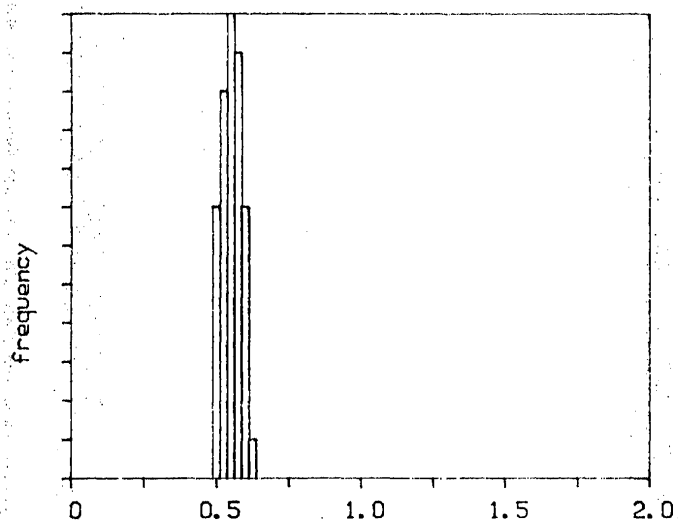
T. A. EDISON
335 FLORIDA ST.
VALLEJO, CA 94590
(707) 554-8887

PERCENT REFLECTANCE @ 546 nm

MOBIL MOQUAWKIE #1
ALASKA

DEPTH: 10446 ft core

REFLECTANCE VALUES



| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| .50 | .50 | .51 | .51 | .51 | .51 | .52 |
| .53 | .53 | .53 | .53 | .53 | .54 | .54 |
| .54 | .54 | .54 | .55 | .55 | .55 | .55 |
| .55 | .56 | .56 | .56 | .56 | .56 | .57 |
| .57 | .57 | .57 | .57 | .57 | .58 | .58 |
| .58 | .58 | .58 | .58 | .59 | .59 | .59 |
| .59 | .59 | .60 | .60 | .61 | .61 | .62 |
| .62 | .62 | .64 | | | | |

TAI:

FLUORESCENCE: COMMON; YELLOW TO YELLOW-ORANGE
LIPTODETRINITE; ORANGE OIL DROPLETS

OXIDATION RIMS: NONE

NO OF MEAS. = 52

AVG. REFL. = .56

STD. DEV. = .03

COMMENTS: NEWTON RINGS; RARE "PSEUDO" GRAPHITE"