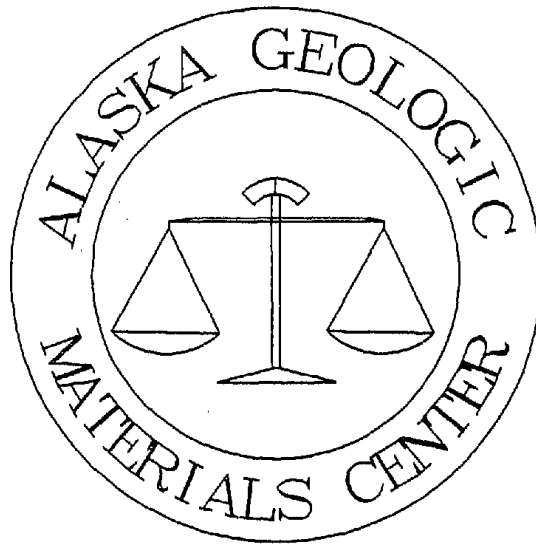


Vitrinite reflectance data of cuttings (750' - 9,650') from the ARCO Alaska Inc. OCS Y-0267-1 (Fireweed No. 1) well.



Received 1 July 1994

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Filename            Title  
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FWEED01            ARCO OCS Y-0267 #1 (FIREWEED)        750-840'

Number of readings: 20

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 0.13 | 0.15 | 0.16 | 0.17 | 0.18 | 0.20 |
| 0.20 | 0.20 | 0.20 | 0.21 | 0.22 | 0.23 |
| 0.23 | 0.23 | 0.23 | 0.23 | 0.25 | 0.26 |
| 0.31 | 0.32 |      |      |      |      |

Filename            Title  
-----  
FWEED02            ARCO OCS Y-0267 #1 (FIREWEED)        1300-1390'

Number of readings: 20

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 0.20 | 0.21 | 0.22 | 0.22 | 0.29 | 0.30 |
| 0.30 | 0.31 | 0.31 | 0.32 | 0.39 | 0.40 |
| 0.43 | 0.50 | 0.54 | 0.55 | 0.60 | 0.76 |
| 0.83 | 0.84 |      |      |      |      |

Filename            Title  
-----  
FWEED03            ARCO OCS Y-0267 #1 (FIREWEED)        1840-1930'

Number of readings: 30

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 0.19 | 0.22 | 0.26 | 0.27 | 0.30 | 0.30 |
| 0.33 | 0.34 | 0.35 | 0.36 | 0.36 | 0.38 |
| 0.40 | 0.41 | 0.42 | 0.43 | 0.45 | 0.46 |
| 0.46 | 0.48 | 0.49 | 0.50 | 0.54 | 0.55 |
| 0.55 | 0.58 | 0.59 | 0.61 | 0.64 | 0.69 |

Filename            Title  
-----  
FWEED04            ARCO OCS Y-0267 #1 (FIREWEED)        2380-2470'

Number of readings: 16

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 0.23 | 0.24 | 0.25 | 0.35 | 0.43 | 0.45 |
| 0.46 | 0.47 | 0.49 | 0.62 | 0.62 | 0.62 |
| 0.64 | 0.65 | 0.66 | 0.81 |      |      |

Filename Title  
-----  
FWEED05 ARCO OCS Y-0267 #1 (FIREWEED) 3000-3090'

Number of readings: 13

0.36 0.46 0.47 0.50 0.53 0.54  
0.56 0.61 0.61 0.62 0.63 0.75  
0.76

Filename Title  
-----  
FWEED 07 ARCO OCS Y-0267 #1 (FIREWEED) 4080-4170'

Number of readings: 34

0.27 0.28 0.29 0.30 0.31 0.31  
0.32 0.34 0.36 0.37 0.40 0.40  
0.41 0.45 0.48 0.49 0.50 0.50  
0.50 0.51 0.52 0.52 0.53 0.54  
0.54 0.55 0.57 0.57 0.58 0.59  
0.63 0.64 0.68 0.78

Filename Title  
-----  
FWEED08 ARCO OCS Y-0267 #1 (FIREWEED) 4620-4800'

Number of readings: 38

0.29 0.34 0.35 0.36 0.38 0.39  
0.39 0.39 0.40 0.40 0.40 0.41  
0.43 0.43 0.44 0.44 0.44 0.46  
0.48 0.48 0.49 0.50 0.51 0.52  
0.54 0.55 0.56 0.56 0.57 0.57  
0.60 0.60 0.61 0.69 0.73 0.76  
0.77 0.81

Filename Title  
-----  
FWEED10 ARCO OCS Y-0267 #1 (FIREWEED) 5700-5790'

Number of readings: 35

0.29 0.29 0.31 0.31 0.33 0.35  
0.36 0.37 0.40 0.40 0.40 0.40  
0.42 0.43 0.43 0.44 0.44 0.45  
0.46 0.46 0.46 0.47 0.48 0.48  
0.48 0.52 0.54 0.58 0.58 0.59  
0.69 0.69 0.70 0.76 0.78

Filename Title  
-----  
FWEEED12 ARCO OCS Y-0267 #1 (FIREWEED) 6840-6930'

Number of readings: 30

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 0.31 | 0.31 | 0.39 | 0.40 | 0.42 | 0.44 |
| 0.44 | 0.45 | 0.45 | 0.46 | 0.46 | 0.47 |
| 0.48 | 0.48 | 0.48 | 0.49 | 0.49 | 0.51 |
| 0.51 | 0.52 | 0.52 | 0.53 | 0.54 | 0.54 |
| 0.54 | 0.55 | 0.59 | 0.60 | 0.60 | 0.64 |

Filename Title  
-----  
FWEEED13 ARCO OCS Y-0267 #1 (FIREWEED) 7420-7500'

Number of readings: 33

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 0.29 | 0.31 | 0.42 | 0.43 | 0.45 | 0.46 |
| 0.48 | 0.49 | 0.50 | 0.51 | 0.51 | 0.53 |
| 0.54 | 0.55 | 0.56 | 0.56 | 0.56 | 0.56 |
| 0.56 | 0.56 | 0.56 | 0.57 | 0.60 | 0.60 |
| 0.61 | 0.61 | 0.61 | 0.62 | 0.62 | 0.62 |
| 0.64 | 0.69 | 0.74 |      |      |      |

Filename Title  
-----  
FWEEED15 ARCO OCS Y-0267 #1 (FIREWEED) 8520-8610'

Number of readings: 10

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 0.27 | 0.33 | 0.39 | 0.40 | 0.41 | 0.43 |
| 0.49 | 0.50 | 0.51 | 0.57 |      |      |

Filename Title  
-----  
FWEEED17 ARCO OCS Y-0267 #1 (FIREWEED) 9600-9650'T.D.

Number of readings: 26

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 3.03 | 3.33 | 3.61 | 3.65 | 3.73 | 3.73 |
| 3.91 | 4.05 | 4.11 | 4.13 | 4.19 | 4.20 |
| 4.24 | 4.32 | 4.33 | 4.41 | 4.42 | 4.45 |
| 4.51 | 4.59 | 4.62 | 4.66 | 4.66 | 4.70 |
| 4.71 | 4.81 |      |      |      |      |

SAMPLE LOG SHEET

COMPANY: ARCO OIL WORKED FOR: SAME  
 PROJECT NAME: "FIREWEED" OCS-Y-0267-1 PROJECT NO: 94-102D  
 LOCATION: BEAUFORT SEA, ALASKA SAMPLE TYPE: DITCH

FORAM \_\_\_ THIN SECT \_\_\_ NANNO \_\_\_ DIAT/SILICO \_\_\_ RAD \_\_\_ PALY \_\_\_ TAI x \_\_\_ VR x \_\_\_

=====

NO. ; SAMPLE DEPTH/NUMBER ; REC:INV ; NO. ; SAMPLE DEPTH/NUMBER ; REC:INV

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TAI

VITRINITE

1 480-570  
 2 750-840  
 3 1020-1120  
 4 1300-1390  
 5 1570-1660  
 6 1840-1930  
 7 2110-2200  
 8 2380-2470  
 9 2650-2740  
 10 3000-3090  
 11 3270-3390  
 12 3540-3630  
 13 3810-3900  
 14 4080-4170  
 15 4350-4440  
 16 4620-4800  
 17 4890-4980  
 18 5160-5250  
 19 5430-5520  
 20 5700-5790  
 21 6030-6120  
 22 6300-6390  
 23 6570-6660  
 24 6840-6930  
 25 7180-7260  
 26 7420-7500  
 27 7710-7800  
 28 7980-8070  
 29 8250-8340  
 30 8520-8610  
 31 8790-8880  
 32 9030-9120  
 33 9300-9390  
 34 9600-9650

1- 750-840  
 2- 1300-1390  
 3- 1840-1930  
 4- 2380-2470  
 5- 3000-3090  
 6 ~~3540-3630~~  
 7- 4080-4170  
 8- 4620-4800  
 9 ~~5160-5250~~  
 10- 5700-5790  
 11 ~~6300-6390~~  
 12- 6840-6930  
 13- 7420-7500  
 14 ~~7980-8070~~  
 15- 8520-8610  
 16 ~~9030-9120~~  
 17- 9600-9650

*VR measurements conducted  
 on 12 samples.  
 Others generally poorer quality  
 for vitrinite.*

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