


Vitrinite reflectance data for the Union Oil Company of California



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Geologic Materials Center Data Report 77

UNOCAL

LEFFINGWELL NO. 1

SEC. 25, T8N/R22E UBM

API #50-089-2002100

NORTH SLOPE, ALASKA

Filename

Title

LEFF11

UNION LEFFINGWELL #1 2800'-3070'

Date

Time

07-06-1987

09:33:48

Number of readings: 45

<u>Reading #</u>		<u>+0</u>	<u>+1</u>	<u>+2</u>	<u>+3</u>	<u>+4</u>
1	=	.3	.21	.31	.5	.29
6	=	.2	.23	.36	.34	.42
11	=	.31	.44	.3	.38	.33
16	=	.38	.42	.28	.28	.4
21	=	.28	.39	.38	.33	.34
26	=	.32	.3	.39	.27	.31
31	=	.39	.27	.52	.24	.19
36	=	.17	.55	.24	.26	.26
41	=	.42	.24	.43	.38	.17

Filename

Title

LEFF13

UNION LEFFINGWELL #1 3340'-3610'

Date

Time

07-06-1987

10:14:33

Number of readings: 60

Reading #		+0	+1	+2	+3	+4
1	=	.28	.35	.26	.35	.5
6	=	.36	.35	.35	.34	.4
11	=	.46	.54	.3	.55	.25
16	=	.52	.28	.55	.26	.27
21	=	.45	.38	.45	.44	.32
26	=	.41	.38	.34	.4	.31
31	=	.54	.31	.29	.43	.22
36	=	.49	.35	.38	.38	.25
41	=	.39	.41	.51	.35	.47
46	=	.52	.31	.22	.34	.29
51	=	.42	.27	.37	.56	.2
56	=	.3	.24	.27	.29	.37

Filename                    Title  
 LEFF15                    UNION LEFFINGWELL #1 3880'-4150'

Date                        Time  
 07-06-1987                12:33:32

Number of readings: 55

<u>Reading #</u>		<u>+0</u>	<u>+1</u>	<u>+2</u>	<u>+3</u>	<u>+4</u>
1	=	.28	.26	.36	.37	.29
6	=	.32	.3	.53	.34	.43
11	=	.31	.51	.25	.32	.37
16	=	.46	.47	.38	.33	.27
21	=	.45	.28	.36	.42	.27
26	=	.4	.37	.37	.42	.37
31	=	.34	.33	.28	.26	.47
36	=	.27	.28	.48	.37	.47
41	=	.35	.28	.27	.36	.44
46	=	.37	.29	.39	.36	.45
51	=	.23	.48	.34	.34	.23

Filename

Title

LEFF17

UNION LEFFINGWELL #1 4420'-4690'

Date

Time

07-06-1987

12:58:38

Number of readings: 18

Reading #		+0	+1	+2	+3	+4
1	=	.37	.28	.28	.34	.2
6	=	.46	.3	.25	.37	.25
11	=	.33	.33	.46	.55	.24
16	=	.27	.31	.35		

Filename

Title

LEFF19

UNION LEFFINGWELL #1 4960' -5230'

Date

Time

07-06-1987

13:16:45

Number of readings: 51

Reading #		+0	+1	+2	+3	+4
1	=	.33	.32	.39	.27	.29
6	=	.42	.52	.35	.23	.35
11	=	.26	.28	.28	.3	.45
16	=	.33	.47	.43	.37	.25
21	=	.26	.29	.3	.45	.34
26	=	.47	.47	.2	.37	.31
31	=	.26	.55	.32	.32	.48
36	=	.25	.24	.29	.48	.45
41	=	.33	.43	.25	.42	.38
46	=	.27	.3	.38	.27	.29

Filename

Title

LEFF21

UNION LEFFINGWELL #1 5500'-5770'

Date

Time

07-06-1987

14:35:26

Number of readings: 52

Reading #		+0	+1	+2	+3	+4
1	=	.34	.29	.36	.31	.47
6	=	.33	.34	.26	.3	.31
11	=	.37	.26	.24	.26	.25
16	=	.29	.28	.45	.29	.26
21	=	.49	.26	.39	.38	.27
26	=	.3	.33	.39	.51	.35
31	=	.36	.22	.37	.32	.32
36	=	.24	.28	.29	.29	.27
41	=	.28	.23	.26	.36	.29
46	=	.28	.35	.44	.27	.31



Filename

Title

LEFF23

UNION LEFFINGWELL #1 6040'-6310'

Date

Time

07-06-1987

15:14:38

Number of readings: 60

Reading #		+0	+1	+2	+3	+4
1	=	.3	.2	.28	.32	.34
6	=	.39	.4	.23	.28	.57
11	=	.34	.23	.31	.43	.3
16	=	.28	.3	.44	.25	.32
21	=	.49	.31	.32	.47	.37
26	=	.19	.25	.44	.28	.5
31	=	.29	.28	.29	.28	.31
36	=	.31	.3	.32	.24	.21
41	=	.39	.41	.31	.5	.36
46	=	.37	.29	.5	.37	.28
51	=	.26	.26	.28	.37	.31
56	=	.34	.41	.41	.5	.43

Filename

Title

LEFF26

UNION LEFFINGWELL #1 6850'-7120'

Date

Time

07-06-1987

15:37:08

Number of readings: 42

Reading #		+0	+1	+2	+3	+4
1	=	.44	.33	.4	.3	.5
6	=	.32	.32	.34	.47	.61
11	=	.65	.42	.32	.4	.3
16	=	.45	.45	.39	.32	.52
21	=	.49	.42	.46	.34	.37
26	=	.58	.31	.48	.42	.26
31	=	.3	.38	.38	.21	.57
36	=	.55	.27	.44	.42	.3

Filename

Title

LEFF28

UNION LEFFINGWELL #1 7390'-7660'

Date

Time

07-07-1987

07:26:41

Number of readings: 62

Reading #		+0	+1	+2	+3	+4
1	=	.56	.46	.44	.51	.23
6	=	.48	.55	.43	.6	.37
11	=	.37	.42	.34	.47	.49
16	=	.55	.27	.49	.44	.5
21	=	.54	.47	.57	.4	.48
26	=	.24	.41	.26	.4	.26
31	=	.26	.39	.28	.27	.21
36	=	.43	.37	.63	.43	.61
41	=	.48	.4	.43	.37	.54
46	=	.37	.4	.33	.21	.5
51	=	.36	.37	.55	.27	.47
56	=	.4	.63	.26	.51	.44

Filename            Title  
-----  
LEFF30            UNION LEFFINGWELL #1 7930'-8200'

Date                Time  
-----  
07-07-1987        08:00:31

Number of readings: 45

Reading #		+0	+1	+2	+3	+4
-----		-----	-----	-----	-----	-----
1	=	.38	.47	.35	.36	.54
6	=	.37	.33	.46	.42	.44
11	=	.35	.51	.5	.55	.41
16	=	.65	.39	.41	.37	.57
21	=	.51	.36	.37	.54	.3
26	=	.45	.34	.65	.36	.34
31	=	.58	.45	.51	.4	.32
36	=	.47	.43	.37	.29	.3
41	=	.28	.29	.43	.29	.54

Filename

Title

LEFF32

UNION LEFFINGWELL #1 8470'-8740'

Date

Time

07-07-1987

08:29:26

Number of readings: 50

Reading #		+0	+1	+2	+3	+4
1	=	.44	.36	.48	.52	.47
6	=	.37	.39	.39	.35	.42
11	=	.32	.52	.3	.32	.38
16	=	.4	.38	.36	.4	.48
21	=	.54	.54	.33	.35	.38
26	=	.41	.5	.36	.44	.54
31	=	.39	.39	.38	.31	.52
36	=	.41	.24	.42	.47	.51
41	=	.36	.58	.48	.34	.32
46	=	.34	.31	.48	.41	.33

Filename

Title

LEFF34

UNION LEFFINGWELL #1 9010'-9280'

Date

Time

07-07-1987

09:00:32

Number of readings: 60

Reading #		+0	+1	+2	+3	+4
1	=	.38	.46	.45	.44	.37
6	=	.33	.43	.44	.52	.51
11	=	.4	.4	.41	.31	.48
16	=	.48	.42	.54	.61	.42
21	=	.45	.5	.54	.37	.38
26	=	.41	.4	.37	.43	.55
31	=	.37	.46	.31	.32	.41
36	=	.43	.41	.41	.33	.53
41	=	.43	.4	.42	.27	.47
46	=	.29	.41	.41	.44	.47
51	=	.37	.46	.39	.39	.42
56	=	.4	.4	.49	.45	.49

Filename

Title

LEFF36

UNION LEFFINGWELL #1 9550'-9820'

Date

Time

07-07-1987

09:30:04

Number of readings: 50

Reading #		+0	+1	+2	+3	+4
1	=	.47	.45	.33	.44	.43
6	=	.32	.31	.38	.39	.22
11	=	.38	.42	.47	.42	.35
16	=	.42	.32	.47	.38	.41
21	=	.32	.36	.37	.51	.57
26	=	.42	.55	.49	.37	.42
31	=	.38	.41	.38	.43	.34
36	=	.36	.43	.41	.45	.28
41	=	.5	.37	.35	.38	.41
46	=	.35	.34	.27	.38	.29

Filename

Title

LEFF38

UNION LEFFINGWELL #1 10090'-10360'

Date

Time

07-07-1987

10:04:34

Number of readings: 60

Reading #		+0	+1	+2	+3	+4
1	=	.57	.37	.44	.45	.41
6	=	.51	.33	.43	.45	.36
11	=	.31	.45	.28	.43	.39
16	=	.35	.48	.35	.41	.42
21	=	.37	.36	.62	.58	.3
26	=	.41	.53	.39	.45	.34
31	=	.28	.6	.43	.51	.29
36	=	.37	.37	.48	.4	.53
41	=	.28	.43	.24	.45	.34
46	=	.48	.33	.36	.33	.48
51	=	.48	.45	.31	.43	.21
56	=	.55	.32	.47	.43	.34



Filename                    Title  
 -----  
 LEFF40                    UNION LEFFINGWELL #1 10630'-10900'

Date                        Time  
 -----  
 07-07-1987            10:30:14

Number of readings: 48

<u>Reading #</u>		<u>+0</u>	<u>+1</u>	<u>+2</u>	<u>+3</u>	<u>+4</u>
1	=	.58	.37	.57	.28	.55
6	=	.38	.4	.37	.52	.4
11	=	.41	.38	.43	.42	.43
16	=	.4	.33	.3	.37	.37
21	=	.44	.41	.39	.27	.38
26	=	.27	.26	.38	.27	.24
31	=	.41	.37	.44	.3	.37
36	=	.39	.25	.47	.23	.38
41	=	.3	.5	.28	.31	.35
46	=	.31	.36	.25		

Filename

Title

LEFF42

UNION LEFFINGWELL #1 11170'-11440'

Date

Time

07-07-1987

10:59:20

Number of readings: 55

Reading #		+0	+1	+2	+3	+4
1	=	.54	.37	.38	.45	.55
6	=	.39	.44	.68	.43	.55
11	=	.54	.54	.47	.51	.5
16	=	.5	.56	.49	.35	.34
21	=	.45	.54	.57	.54	.41
26	=	.48	.56	.39	.46	.3
31	=	.56	.44	.33	.48	.4
36	=	.49	.5	.46	.53	.54
41	=	.57	.55	.46	.24	.48
46	=	.5	.48	.41	.5	.53
51	=	.54	.4	.45	.32	.4

Filename

Title

LEFF44

UNION LEFFINGWELL #1 11710'-11980'

Date

Time

07-07-1987

11:23:39

Number of readings: 51

Reading #		+0	+1	+2	+3	+4
1	=	.46	.4	.5	.38	.37
6	=	.41	.49	.35	.53	.45
11	=	.6	.3	.41	.44	.43
16	=	.45	.33	.38	.24	.28
21	=	.4	.5	.33	.47	.48
26	=	.41	.52	.46	.31	.54
31	=	.38	.39	.39	.38	.32
36	=	.34	.33	.38	.54	.36
41	=	.35	.4	.52	.26	.27
46	=	.55	.49	.44	.53	.48

Filename

Title

LEFF47

UNION LEFFINGWELL #1 12520'-12790'

Date

Time

07-07-1987

11:50:40

Number of readings: 52

Reading #		+0	+1	+2	+3	+4
1	=	.64	.29	.37	.44	.25
6	=	.31	.41	.26	.66	.41
11	=	.22	.47	.42	.38	.33
16	=	.39	.32	.41	.39	.43
21	=	.55	.37	.26	.51	.56
26	=	.43	.5	.42	.51	.29
31	=	.43	.56	.51	.47	.46
36	=	.57	.52	.47	.39	.49
41	=	.59	.52	.59	.27	.53
46	=	.61	.42	.46	.42	.43

Filename

Title

LEFF50

UNION LEFFINGWELL #1 13330'-13600'

Date

Time

07-07-1987

12:26:15

Number of readings: 33

Reading #		+0	+1	+2	+3	+4
1	=	.41	.34	.37	.57	.47
6	=	.48	.32	.5	.38	.59
11	=	.48	.26	.44	.35	.37
16	=	.56	.43	.54	.57	.39
21	=	.41	.57	.33	.51	.37
26	=	.4	.39	.4	.53	.52
31	=	.45	.39	.26		

Filename            Title  
 -----            -----  
 LEFF51            UNION LEFFINGWELL #1 13600'-13870'

Date                Time  
 -----            -----  
 07-07-1987        12:49:27

Number of readings: 28

Reading #		+0	+1	+2	+3	+4
-----		-----	-----	-----	-----	-----
1	=	.62	.51	.51	.41	.34
6	=	.5	.56	.55	.38	.45
11	=	.62	.65	.48	.36	.53
16	=	.44	.48	.56	.46	.6
21	=	.5	.47	.36	.52	.41
26	=	.49	.26	.57		

Filename

Title

LEFF53

UNION LEFFINGWELL #1 14200'-14470'

Date

Time

07-07-1987

13:10:41

Number of readings: 65

Reading #		+0	+1	+2	+3	+4
1	=	.69	.55	.25	.58	.53
6	=	.82	.52	.67	.36	.85
11	=	.72	.89	.82	.66	.69
16	=	.88	.53	.90	.82	.51
21	=	.88	.86	.73	.5	.49
26	=	.77	.8	.81	.91	.72
31	=	.6	.89	.97	.78	.63
36	=	.67	.53	.34	.53	.68
41	=	.69	.99	.69	.88	.75
46	=	.88	.95	.81	.83	.62
51	=	.52	.78	.74	.79	.97
56	=	.62	.77	.6	.59	.45
61	=	.90	.77	.34	.57	.98

Filename

Title

LEFFCORE

UNION LEFFINGWELL #1 4296.7'-4593.2' CORE

Date

Time

07-07-1987

13:49:39

Number of readings: 23

Reading #		+0	+1	+2	+3	+4
1	=	.36	.31	.57	.48	.76
6	=	.28	.33	.47	.3	.39
11	=	.42	.71	.36	.34	.43
16	=	.24	.56	.45	.45	.54
21	=	.49	.36	.28		