# APPENDIX 10.

# VITRINITE REFLECTANCE.

## PINE LODGE-1

W1034

P5758

KEIRAVILLE KONSULTANTS
PTY. LTD.

7 DALLAS STREET,
KEIRAVILLE, N.S.W.
AUSTRALIA, 2500

TELEPHONE: (042) 29 9843
INTERNATIONAL: 61-42-299843
TELEX: PUBTLX AA29262 - NBR WG083



To

Gas and Fuel Exploration N.L.
Box 1841Q, G.P.O.
MELBOURNE 3001
Victoria

INVOICE NO. 1742

PURCHASE ORDER NO. 00339

30.10.90

| DESCRIPTION | AMOUNT |
|---|---|
| Vitrinite Reflectance Results:<br><br>17 samples from Pine Lodge No. 1<br>@ $85.00 per sample<br>v3010-v3026 | $1445.00 |

TERMS: NETT 14 DAYS

AMOUNT DUE

$1445.00

| K.K. No. | Depth (m) | $\bar{R}_v$max | Range | N | Description Including Liptinite (Exinite) Fluorescence |
|---|---|---|---|---|---|
| v3010 | 740 SWC | 0.36 | 0.29-0.44 | 26 | Sparse liptodetrinite, yellow to orange, rare resinite and sporinite, yellow to orange, rare cutinite, orange. (Siltstone, partly calcareous. Dom abundant, V>>L>I. Vitrinite abundant, inertinite and liptinite sparse. Bitumen rare, orange. Mineral fluorescence pervasive, faint green. Fossil fragments sparse. Iron oxide abundant. Pyrite common.) |
| v3011 | 1030 SWC | 0.37 | 0.30-0.44 | 27 | Sparse liptodetrinite and phytoplankton, yellow to orange, rare cutinite, sporinite and resinite, yellow to orange. (Calcareous siltstone>claystone. Dom common, V>L=I. Vitrinite common, inertinite and liptinite sparse. Bitumen rare, yellow to orange. Mineral fluorescence pervasive, faint green. Fossil fragments sparse. Iron oxide and pyrite abundant.) |
| v3012 | 1070 SWC | 0.45 | 0.35-0.57 | 26 | Sparse liptodetrinite, yellow to orange, rare phytoplankton, yellow to orange, rare cutinite and sporinite, orange, rare bituminite, brown to nonfluorescent. (Pyritic siltstone>pyritic sandstone. Dom common, I>L=V. All maceral groups sparse. Mineral fluorescence pervasive, faint green. Fossil fragments rare. Iron oxide sparse. Pyrite major.) |
| v3013 | 1123.5 SWC | 0.37 | 0.29-0.49 | 27 | Sparse liptodetrinite and sporinite, yellow to orange, rare phytoplankton, yellow, rare cutinite, orange, rare bituminite, brown to nonfluorescent. (Siltstone, partly calcareous. Dom abundant, V>I>>L. Vitrinite abundant, inertinite common, liptinite sparse. Mineral fluorescence pervasive, faint green. Fossil fragments rare. Iron oxide abundant. Pyrite common.) |
| v3014 | 1300 SWC | 0.45 | 0.36-0.59 | 28 | Rare liptodetrinite and resinite, yellow to orange, rare phytoplankton, yellow, rare cutinite and sporinite, orange. (Siltstone, partly calcareous. Dom common, I>V>L. Inertinite common, vitrinite and liptinite sparse. Bitumen rare, orange. Oil drops rare, yellow. Mineral fluorescence pervasive, faint green. Fossil fragments rare. Iron oxide abundant. Pyrite common.) |
| v3015 | 1624 SWC | 0.44 | 0.34-0.55 | 26 | Sparse cutinite and sporinite, orange, sparse liptodetrinite, yellow to orange, rare resinite and phytoplankton, yellow. (Siltstone, partly calcareous>> claystone. Dom abundant, V>I>L. Inertinite abundant, vitrinite common, liptinite sparse. Mineral fluorescence pervasive, faint green. Fossil fragments rare. Iron oxide and pyrite common.) |

| K.K. No. | Depth (m) | $\bar{R}_v$ max | Range | N | Description Including Liptinite (Exinite) Fluorescence |
|---|---|---|---|---|---|
| v3016 | 1787 SWC | 0.47 | 0.40-0.56 | 27 | Sparse liptodetrinite, yellow to orange, sparse sporinite, orange, rare cutinite, orange, rare resinite and phytoplankton, yellow. (Siltstone, partly calcareous. Dom abundant, I>V>L. Inertinite abundant, vitrinite common, liptinite sparse. Oil drops rare, yellow. Bitumen rare, dull orange to brown. Mineral fluorescence pervasive, faint green. Fossil fragments sparse. Iron oxide common. Pyrite abundant.) |
| v3017 | 1815 SWC | 0.45 | 0.35-0.54 | 28 | Sparse liptodetrinite, yellow to orange, rare resinite, yellow to orange, rare cutinite and sporinite, orange, rare phytoplankton, yellow. (Calcareous siltstone. Dom abundant, I>V>L. Inertinite abundant, vitrinite and liptinite sparse. Oil drops rare, yellow. Mineral fluorescence pervasive, faint green. fossil fragments rare. Iron oxide and pyrite common.) |
| v3018 | 1898 SWC | 0.54 | 0.40-0.68 | 27 | Sparse phytoplankton, yellow, sparse liptodetrinite, yellow to orange, rare resinite, yellow to orange, rare cutinite and sporinite, orange, rare suberinite, brown to nonfluorescent. (Calcareous siltstone. Dom abundant, I>V>L. Inertinite abundant, vitrinite common, liptinite sparse. Oil drops rare, yellow. Mineral fluorescence pervasive, faint green. Fossil fragments sparse. Iron oxide abundant. Pyrite common.) |
| v3019 | 1931 SWC | 0.53 | 0.41-0.64 | 27 | Rare cutinite and sporinite, orange, rare liptodetrinite and resinite, yellow to orange, rare phytoplankton, yellow. (Calcareous siltstone>carbonate. Dom abundant, I>V>L. Inertinite abundant, vitrinite common, liptinite sparse. Oil drops rare, yellow. Fossil fragments rare. Iron oxide and pyrite common.) |
| v3020 | 2007 SWC | 0.50 | 0.44-0.55 | 27 | Rare liptodetrinite and phytoplankton, yellow to orange, rare cutinite, orange to dull orange, rare resinite, yellow, rare sporinite, orange. (Carbonate>calcareous siltstone. Dom abundant, V>L>I. Vitrinite and inertinite common, liptinite sparse. Oil drops rare, yellow. Bitumen rare. dull ornage to brown. Mineral fluorescence pervasive, faint green. Fossil fragments rare. Iron oxide abundant. Pyrite common.) |

| K.K. No. | Depth (m) | $\bar{R}_v$max | Range | N | Description Including Liptinite (Exinite) Fluorescence |
|---|---|---|---|---|---|
| v3021 | 2030 SWC | 0.57 | 0.45-0.63 | 27 | Sparse liptodetrinite, yellow to orange, sparse sporinite, orange to dull orange, rare cutinite, orange to dull orange, rare resinite and phytoplankton, yellow to orange. (Siltstone, partly calcareous. Dom abundant, V>I>L. Vitrinite and inertinite common, liptinite sparse. Bitumen rare, green to orange. Mineral fluorescence pervasive, faint green. Fossil fragments rare. Iron oxide and pyrite abundant.) |
| v3022 | 2052.5 SWC | 0.57 | 0.47-0.69 | 27 | Rare resinite, liptodetrinite and phytoplankton, yellow to orange, rare cutinite, orange to dull orange, rare sporinite, orange. (Partly calcareous siltstone> sandstone. Dom abundant, I>V>L. Inertinite abundant, vitrinite common, liptinite sparse. Oil drops rare, yellow. Mineral fluorescence pervasive, faint green. Fossil fragments rare. Iron oxide and pyrite abundant.) |
| v3023 | 2076.5 SWC | 0.59 | 0.51-0.68 | 26 | Sparse liptodetrinite, yellow to orange, rare phytoplankton, yellow to orange, rare sporinite and cutinite, orange. (Partly calcareous siltstone> sandstone. Dom abundant, I>V>L. Inertinite abundant, vitrinite common, liptinite sparse. Oil drops rare, yellow. Mineral fluorescence pervasive, faint green. Fossil fragments rare. Iron oxide abundant. Pyrite common.) |
| v3024 | 2091 SWC | 0.63 | 0.48-0.71 | 28 | Sparse liptodetrinite, yellow to orange, rare phytoplankton, yellow to orange, rare resinite, yellow, rare cutinite, orange to dull orange, rare sporinite, orange. (Partly calcareous siltstone. Dom abundant, I>V>L. Inertinite and vitrinite common, liptinite sparse. Bitumen rare, yellow to orange. Oil drops rare, yellow. Fossil fragments rare. Iron oxide abundant. Pyrite common.) |
| v3025 | 2121.5 SWC | 0.47 | 0.38-0.60 | 27 | Major sporinite, yellow to dull orange, major suberinite brown nonfluorescing, abundant resinite, yellow to orange, abundant liptodetrinite yellow to dull orange. (Cannel coal only, L>V>I.<br>Coal maceral group composition, mmf:<br>Vitrinite = 31.0%<br>Inertinite = 9.0%<br>Liptinite = 60.0%<br>Rare pyrolytic carbon. Major fluorescing vitrinite, dull brown. Iron oxide and pyrite sparse.) |

| K.K. No. | Depth (m) | $\bar{R}_v$ max | Range | N | Description Including Liptinite (Exinite) Fluorescence |
|---|---|---|---|---|---|
| v3026 | 2135 SWC | 0.58 | 0.49-0.68 | 27 | Sparse liptodetrinite, yellow to orange, sparse sporinite and rare cutinite, orange, rare resinite and phytoplankton, yellow to orange. (Partly calcareous siltstone. Dom abundant, V>I>L. Vitrinite and inertinite common, liptinite sparse. Bitumen rare, brown to nonfluorescing. Oil drops rare, yellow. Fossil fragments sparse. Iron oxide abundant. Pyrite sparse.) |

# VITRINITE REFLECTANCE WORKSHEET

GAS & FUEL

WELL NAME. PINE LODGE-1 SAMPLE NO. V3010 DEPTH. 750 M TYPE. SWC

FGV = First Generation Vitrinite I = Inertinite

| Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .10 | | | | .46 | | | | .82 | | | | 1.18 | | | | 1.54 | | | | 1.90 | | | |
| .11 | | | | .47 | | | | .83 | | | | 1.19 | | | | 1.55 | | | | 1.91 | | | |
| .12 | | | | .48 | | | | .84 | | | | 1.20 | | | | 1.56 | | | | 1.92 | | | |
| .13 | | | | .49 | | | | .85 | | | | 1.21 | | | | 1.57 | | | | 1.93 | | | |
| .14 | | | | .50 | | | | .86 | | | | 1.22 | | | | 1.58 | | | | 1.94 | | | |
| .15 | | | | .51 | | | | .87 | | | | 1.23 | | | | 1.59 | | | | 1.95 | | | |
| .16 | | | | .52 | | | | .88 | | | | 1.24 | | | | 1.60 | | | | 1.96 | | | |
| .17 | | | | .53 | | | | .89 | | | | 1.25 | | | | 1.61 | | | | 1.97 | | | |
| .18 | | | | .54 | | | | .90 | | | | 1.26 | | | | 1.62 | | | | 1.98 | | | |
| .19 | | | | .55 | | | | .91 | | | | 1.27 | | | | 1.63 | | | | 1.99 | | | |
| .20 | | | | .56 | | | | .92 | | | | 1.28 | | | | 1.64 | | | | 2.00 | | | |
| .21 | | | | .57 | | | | .93 | | | | 1.29 | | | | 1.65 | | | | 2.01 | | | |
| .22 | | | | .58 | | | | .94 | | | | 1.30 | | | | 1.66 | | | | 2.02 | | | |
| .23 | | | | .59 | | | | .95 | | | | 1.31 | | | | 1.67 | | | | 2.03 | | | |
| .24 | | | | .60 | | | | .96 | | | | 1.32 | | | | 1.68 | | | | 2.04 | | | |
| .25 | | | | .61 | | | | .97 | | | | 1.33 | | | | 1.69 | | | | 2.05 | | | |
| .26 | | | | .62 | | | | .98 | | | | 1.34 | | | | 1.70 | | | | 2.06 | | | |
| .27 | | | | .63 | | | | .99 | | | | 1.35 | | | | 1.71 | | | | 2.07 | | | |
| .28 | | | | .64 | | | | 1.00 | | | | 1.36 | | | | 1.72 | | | | 2.08 | | | |
| .29 | 1 | | | .65 | | | | 1.01 | | | | 1.37 | | | | 1.73 | | | | 2.09 | | | |
| .30 | | | | .66 | | | | 1.02 | | | | 1.38 | | | | 1.74 | | | | 2.10 | | | |
| .31 | 1 | | | .67 | | | | 1.03 | | | | 1.39 | | | | 1.75 | | | | 2.11 | | | |
| .32 | | | | .68 | | | | 1.04 | | | | 1.40 | | | | 1.76 | | | | 2.12 | | | |
| .33 | 6 | | | .69 | | | | 1.05 | | | | 1.41 | | | | 1.77 | | | | 2.13 | | | |
| .34 | 4 | | | .70 | | | | 1.06 | | | | 1.42 | | | | 1.78 | | | | 2.14 | | | |
| .35 | 3 | | | .71 | | | | 1.07 | | | | 1.43 | | | | 1.79 | | | | 2.15 | | | |
| .36 | 4 | | FGV | .72 | | | | 1.08 | | | | 1.44 | | | | 1.80 | | | | | | | |
| .37 | | | | .73 | | | | 1.09 | | | | 1.45 | | | | 1.81 | | | | | | | |
| .38 | 1 | | | .74 | | | | 1.10 | | | | 1.46 | | | | 1.82 | | | | | | | |
| .39 | | | | .75 | | | | 1.11 | | | | 1.47 | | | | 1.83 | | | | | | | |
| .40 | 3 | | | .76 | | | | 1.12 | | | | 1.48 | | | | 1.84 | | | | | | | |
| .41 | | | | .77 | | | | 1.13 | | | | 1.49 | | | | 1.85 | | | | | | | |
| .42 | 2 | | | .78 | | | | 1.14 | | | | 1.50 | | | | 1.86 | | | | | | | |
| .43 | | | | .79 | | | | 1.15 | | | | 1.51 | | | | 1.87 | | | | | | | |
| .44 | 1 | | | .80 | | | | 1.16 | | | | 1.52 | | | | 1.88 | | | | | | | |
| .45 | | | | .81 | | | | 1.17 | | | | 1.53 | | | | 1.89 | | | | | | | |

Organic matter Comp.(%)

| Exinite | Alginite |
|---|---|
| 0.4 | |

| Vitrinite | Inertinite |
|---|---|
| 3.0 | 0.2 |

Kelraville Konsultants Pty Ltd.

# VITRINITE REFLECTANCE WORKSHEET

GAS & FUEL

WELL NAME. PINE LODGE-1 SAMPLE NO. V3011 DEPTH 1030 M TYPE SWC

FGV = First Generation Vitrinite I = Inertinite

| Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .10 | | | | .46 | | | | .82 | | | | 1.18 | | | | 1.54 | | | | 1.90 | | | |
| .11 | | | | .47 | | | | .83 | | | | 1.19 | | | | 1.55 | | | | 1.91 | | | |
| .12 | | | | .48 | | | | .84 | | | | 1.20 | | | | 1.56 | | | | 1.92 | | | |
| .13 | | | | .49 | | | | .85 | | | | 1.21 | | | | 1.57 | | | | 1.93 | | | |
| .14 | | | | .50 | | | | .86 | | | | 1.22 | | | | 1.58 | | | | 1.94 | | | |
| .15 | | | | .51 | | | | .87 | | | | 1.23 | | | | 1.59 | | | | 1.95 | | | |
| .16 | | | | .52 | | | | .88 | | | | 1.24 | | | | 1.60 | | | | 1.96 | | | |
| .17 | | | | .53 | | | | .89 | | | | 1.25 | | | | 1.61 | | | | 1.97 | | | |
| .18 | | | | .54 | | | | .90 | | | | 1.26 | | | | 1.62 | | | | 1.98 | | | |
| .19 | | | | .55 | | | | .91 | | | | 1.27 | | | | 1.63 | | | | 1.99 | | | |
| .20 | | | | .56 | | | | .92 | | | | 1.28 | | | | 1.64 | | | | 2.00 | | | |
| .21 | | | | .57 | | | | .93 | | | | 1.29 | | | | 1.65 | | | | 2.01 | | | |
| .22 | | | | .58 | | | | .94 | | | | 1.30 | | | | 1.66 | | | | 2.02 | | | |
| .23 | | | | .59 | | | | .95 | | | | 1.31 | | | | 1.67 | | | | 2.03 | | | |
| .24 | | | | .60 | | | | .96 | | | | 1.32 | | | | 1.68 | | | | 2.04 | | | |
| .25 | | | | .61 | | | | .97 | | | | 1.33 | | | | 1.69 | | | | 2.05 | | | |
| .26 | | | | .62 | | | | .98 | | | | 1.34 | | | | 1.70 | | | | 2.06 | | | |
| .27 | | | | .63 | | | | .99 | | | | 1.35 | | | | 1.71 | | | | 2.07 | | | |
| .28 | | | | .64 | | | | 1.00 | | | | 1.36 | | | | 1.72 | | | | 2.08 | | | |
| .29 | | | | .65 | | | | 1.01 | | | | 1.37 | | | | 1.73 | | | | 2.09 | | | |
| .30 | 1 | ↑ | | .66 | | | | 1.02 | | | | 1.38 | | | | 1.74 | | | | 2.10 | | | |
| .31 | | | | .67 | | | | 1.03 | | | | 1.39 | | | | 1.75 | | | | 2.11 | | | |
| .32 | 2 | | | .68 | | | | 1.04 | | | | 1.40 | | | | 1.76 | | | | 2.12 | | | |
| .33 | 4 | | | .69 | | | | 1.05 | | | | 1.41 | | | | 1.77 | | | | 2.13 | | | |
| .34 | 2 | | | .70 | | | | 1.06 | | | | 1.42 | | | | 1.78 | | | | 2.14 | | | |
| .35 | 1 | | | .71 | | | | 1.07 | | | | 1.43 | | | | 1.79 | | | | 2.15 | | | |
| .36 | ~~1~~ | | | .72 | | | | 1.08 | | | | 1.44 | | | | 1.80 | | | | | | | |
| .37 | 1 | | FGV | .73 | | | | 1.09 | | | | 1.45 | | | | 1.81 | | | | | | | |
| .38 | 2 | | | .74 | | | | 1.10 | | | | 1.46 | | | | 1.82 | | | | | | | |
| .39 | | | | .75 | | | | 1.11 | | | | 1.47 | | | | 1.83 | | | | | | | |
| .40 | 1 | | | .76 | | | | 1.12 | | | | 1.48 | | | | 1.84 | | | | | | | |
| .41 | 3 | | | .77 | | | | 1.13 | | | | 1.49 | | | | 1.85 | | | | | | | |
| .42 | 2 | | | .78 | | | | 1.14 | | | | 1.50 | | | | 1.86 | | | | | | | |
| .43 | 2 | | | .79 | | | | 1.15 | | | | 1.51 | | | | 1.87 | | | | | | | |
| .44 | 2 | ↓ | | .80 | | | | 1.16 | | | | 1.52 | | | | 1.88 | | | | | | | |
| .45 | | | | .81 | | | | 1.17 | | | | 1.53 | | | | 1.89 | | | | | | | |

Organic matter Comp.(%)

| Exinite | Alginite |
|---|---|
| 0.2 | |

| Vitrinite | Inertinite |
|---|---|
| 1.0 | 0.2 |

Kelraville Konsultants Pty Ltd.

# VITRINITE REFLECTANCE WORKSHEET

GAS & FUEL

WELL NAME PINE LODGE-1 SAMPLE NO. V3012 DEPTH 1070 M TYPE SWC

FGV = First Generation Vitrinite I = Inertinite

| Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .10 | | | | .46 | | | | .82 | | | | 1.18 | | | | 1.54 | | | | 1.90 | | | |
| .11 | | | | .47 | 9 | | | .83 | | | | 1.19 | | | | 1.55 | | | | 1.91 | | | |
| .12 | | | | .48 | 4 | | | .84 | | | | 1.20 | | | | 1.56 | | | | 1.92 | | | |
| .13 | | | | .49 | 2 | | | .85 | | | | 1.21 | | | | 1.57 | | | | 1.93 | | | |
| .14 | | | | .50 | | | | .86 | | | | 1.22 | | | | 1.58 | | | | 1.94 | | | |
| .15 | | | | .51 | 2 | | | .87 | | | | 1.23 | | | | 1.59 | | | | 1.95 | | | |
| .16 | | | | .52 | 1 | | | .88 | | | | 1.24 | | | | 1.60 | | | | 1.96 | | | |
| .17 | | | | .53 | | | | .89 | | | | 1.25 | | | | 1.61 | | | | 1.97 | | | |
| .18 | | | | .54 | 1 | | | .90 | | | | 1.26 | | | | 1.62 | | | | 1.98 | | | |
| .19 | | | | .55 | | | | .91 | | | | 1.27 | | | | 1.63 | | | | 1.99 | | | |
| .20 | | | | .56 | | | | .92 | | | | 1.28 | | | | 1.64 | | | | 2.00 | | | |
| .21 | | | | .57 | 1 | ↓ | | .93 | | | | 1.29 | | | | 1.65 | | | | 2.01 | | | |
| .22 | | | | .58 | | | | .94 | | | | 1.30 | | | | 1.66 | | | | 2.02 | | | |
| .23 | | | | .59 | | | | .95 | | | | 1.31 | | | | 1.67 | | | | 2.03 | | | |
| .24 | | | | .60 | | | | .96 | | | | 1.32 | | | | 1.68 | | | | 2.04 | | | |
| .25 | | | | .61 | | | | .97 | | | | 1.33 | | | | 1.69 | | | | 2.05 | | | |
| .26 | | | | .62 | | | | .98 | | | | 1.34 | | | | 1.70 | | | | 2.06 | | | |
| .27 | | | | .63 | | | | .99 | | | | 1.35 | | | | 1.71 | | | | 2.07 | | | |
| .28 | | | | .64 | | | | 1.00 | | | | 1.36 | | | | 1.72 | | | | 2.08 | | | |
| .29 | | | | .65 | | | | 1.01 | | | | 1.37 | | | | 1.73 | | | | 2.09 | | | |
| .30 | | | | .66 | | | | 1.02 | | | | 1.38 | | | | 1.74 | | | | 2.10 | | | |
| .31 | | | | .67 | | | | 1.03 | | | | 1.39 | | | | 1.75 | | | | 2.11 | | | |
| .32 | | | | .68 | | | | 1.04 | | | | 1.40 | | | | 1.76 | | | | 2.12 | | | |
| .33 | | | | .69 | | | | 1.05 | | | | 1.41 | | | | 1.77 | | | | 2.13 | | | |
| .34 | | | | .70 | | | | 1.06 | | | | 1.42 | | | | 1.78 | | | | 2.14 | | | |
| .35 | 3 | ↑ | | .71 | | | | 1.07 | | | | 1.43 | | | | 1.79 | | | | 2.15 | | | |
| .36 | 2 | | | .72 | | | | 1.08 | | | | 1.44 | | | | 1.80 | | | | | | | |
| .37 | | | | .73 | | | | 1.09 | | | | 1.45 | | | | 1.81 | | | | | | | |
| .38 | 1 | | | .74 | | | | 1.10 | | | | 1.46 | | | | 1.82 | | | | | | | |
| .39 | | | | .75 | | | | 1.11 | | | | 1.47 | | | | 1.83 | | | | | | | |
| .40 | | | | .76 | | | | 1.12 | | | | 1.48 | | | | 1.84 | | | | | | | |
| .41 | 1 | | | .77 | | | | 1.13 | | | | 1.49 | | | | 1.85 | | | | | | | |
| .42 | 3 | | | .78 | | | | 1.14 | | | | 1.50 | | | | 1.86 | | | | | | | |
| .43 | 1 | | | .79 | | | | 1.15 | | | | 1.51 | | | | 1.87 | | | | | | | |
| .44 | 2 | | | .80 | | | | 1.16 | | | | 1.52 | | | | 1.88 | | | | | | | |
| .45 | | | FGV | .81 | | | | 1.17 | | | | 1.53 | | | | 1.89 | | | | | | | |

Organic matter Comp. (%)

| Exinite | Alginite |
|---|---|
| 0.1 | — |

| Vitrinite | Inertinite |
|---|---|
| 0.1 | 0.4 |

Kelraville Konsultants Pty Ltd.

# VITRINITE REFLECTANCE WORKSHEET

GAS & FUEL

WELL NAME. PINE LODGE-1 SAMPLE NO. V3013 DEPTH 1123.5 M TYPE SWC

FGV = First Generation Vitrinite I = Inertinite

| Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .10 | | | | .46 | | | | .82 | | | | 1.18 | | | | 1.54 | | | | 1.90 | | | |
| .11 | | | | .47 | 1 | | | .83 | | | | 1.19 | | | | 1.55 | | | | 1.91 | | | |
| .12 | | | | .48 | | | | .84 | | | | 1.20 | | | | 1.56 | | | | 1.92 | | | |
| .13 | | | | .49 | 1 | ↓ | | .85 | | | | 1.21 | | | | 1.57 | | | | 1.93 | | | |
| .14 | | | | .50 | | | | .86 | | | | 1.22 | | | | 1.58 | | | | 1.94 | | | |
| .15 | | | | .51 | | | | .87 | | | | 1.23 | | | | 1.59 | | | | 1.95 | | | |
| .16 | | | | .52 | | | | .88 | | | | 1.24 | | | | 1.60 | | | | 1.96 | | | |
| .17 | | | | .53 | | | | .89 | | | | 1.25 | | | | 1.61 | | | | 1.97 | | | |
| .18 | | | | .54 | | | | .90 | | | | 1.26 | | | | 1.62 | | | | 1.98 | | | |
| .19 | | | | .55 | | | | .91 | | | | 1.27 | | | | 1.63 | | | | 1.99 | | | |
| .20 | | | | .56 | | | | .92 | | | | 1.28 | | | | 1.64 | | | | 2.00 | | | |
| .21 | | | | .57 | | | | .93 | | | | 1.29 | | | | 1.65 | | | | 2.01 | | | |
| .22 | | | | .58 | | | | .94 | | | | 1.30 | | | | 1.66 | | | | 2.02 | | | |
| .23 | | | | .59 | | | | .95 | | | | 1.31 | | | | 1.67 | | | | 2.03 | | | |
| .24 | | | | .60 | | | | .96 | | | | 1.32 | | | | 1.68 | | | | 2.04 | | | |
| .25 | | | | .61 | | | | .97 | | | | 1.33 | | | | 1.69 | | | | 2.05 | | | |
| .26 | | | | .62 | | | | .98 | | | | 1.34 | | | | 1.70 | | | | 2.06 | | | |
| .27 | | | | .63 | | | | .99 | | | | 1.35 | | | | 1.71 | | | | 2.07 | | | |
| .28 | | | | .64 | | | | 1.00 | | | | 1.36 | | | | 1.72 | | | | 2.08 | | | |
| .29 | 1 | ↑ | | .65 | | | | 1.01 | | | | 1.37 | | | | 1.73 | | | | 2.09 | | | |
| .30 | 1 | | | .66 | | | | 1.02 | | | | 1.38 | | | | 1.74 | | | | 2.10 | | | |
| .31 | 2 | | | .67 | | | | 1.03 | | | | 1.39 | | | | 1.75 | | | | 2.11 | | | |
| .32 | 3 | | | .68 | | | | 1.04 | | | | 1.40 | | | | 1.76 | | | | 2.12 | | | |
| .33 | 1 | | | .69 | | | | 1.05 | | | | 1.41 | | | | 1.77 | | | | 2.13 | | | |
| .34 | 3 | | | .70 | | | | 1.06 | | | | 1.42 | | | | 1.78 | | | | 2.14 | | | |
| .35 | 3 | | | .71 | | | | 1.07 | | | | 1.43 | | | | 1.79 | | | | 2.15 | | | |
| .36 | 2 | | | .72 | | | | 1.08 | | | | 1.44 | | | | 1.80 | | | | | | | |
| .37 | 1 | | FGV. | .73 | | | | 1.09 | | | | 1.45 | | | | 1.81 | | | | | | | |
| .38 | 2 | | | .74 | | | | 1.10 | | | | 1.46 | | | | 1.82 | | | | | | | |
| .39 | 1 | | | .75 | | | | 1.11 | | | | 1.47 | | | | 1.83 | | | | | | | |
| .40 | 1 | | | .76 | | | | 1.12 | | | | 1.48 | | | | 1.84 | | | | | | | |
| .41 | 1 | | | .77 | | | | 1.13 | | | | 1.49 | | | | 1.85 | | | | | | | |
| .42 | | | | .78 | | | | 1.14 | | | | 1.50 | | | | 1.86 | | | | | | | |
| .43 | | | | .79 | | | | 1.15 | | | | 1.51 | | | | 1.87 | | | | | | | |
| .44 | 3 | | | .80 | | | | 1.16 | | | | 1.52 | | | | 1.88 | | | | | | | |
| .45 | | | | .81 | | | | 1.17 | | | | 1.53 | | | | 1.89 | | | | | | | |

Organic matter Comp. (%)

| Exinite | Alginite |
|---|---|
| 0.4 | — |

| Vitrinite | Inertinite |
|---|---|
| 4.0 | 1.8 |

Kelraville Konsultants Pty Ltd.

GAS & FUEL

# VITRINITE REFLECTANCE WORKSHEET

WELL NAME. PINE LODGE-1 SAMPLE NO. V3014 DEPTH 1300 M TYPE SWC

FGV = First Generation Vitrinite I = Inertinite

| Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .10 | | | | .46 | 2 | | | .82 | | | | 1.18 | | | | 1.54 | | | | 1.90 | | | |
| .11 | | | | .47 | | | | .83 | | | | 1.19 | | | | 1.55 | | | | 1.91 | | | |
| .12 | | | | .48 | 1 | | | .84 | | | | 1.20 | | | | 1.56 | | | | 1.92 | | | |
| .13 | | | | .49 | 1 | | | .85 | | | | 1.21 | | | | 1.57 | | | | 1.93 | | | |
| .14 | | | | .50 | | | | .86 | | | | 1.22 | | | | 1.58 | | | | 1.94 | | | |
| .15 | | | | .51 | 2 | | | .87 | | | | 1.23 | | | | 1.59 | | | | 1.95 | | | |
| .16 | | | | .52 | 1 | | | .88 | | | | 1.24 | | | | 1.60 | | | | 1.96 | | | |
| .17 | | | | .53 | | | | .89 | | | | 1.25 | | | | 1.61 | | | | 1.97 | | | |
| .18 | | | | .54 | 2 | | | .90 | | | | 1.26 | | | | 1.62 | | | | 1.98 | | | |
| .19 | | | | .55 | 1 | | | .91 | | | | 1.27 | | | | 1.63 | | | | 1.99 | | | |
| .20 | | | | .56 | 1 | | | .92 | | | | 1.28 | | | | 1.64 | | | | 2.00 | | | |
| .21 | | | | .57 | | | | .93 | | | | 1.29 | | | | 1.65 | | | | 2.01 | | | |
| .22 | | | | .58 | | | | .94 | | | | 1.30 | | | | 1.66 | | | | 2.02 | | | |
| .23 | | | | .59 | 1 | ↓ | | .95 | | | | 1.31 | | | | 1.67 | | | | 2.03 | | | |
| .24 | | | | .60 | | | | .96 | | | | 1.32 | | | | 1.68 | | | | 2.04 | | | |
| .25 | | | | .61 | | | | .97 | | | | 1.33 | | | | 1.69 | | | | 2.05 | | | |
| .26 | | | | .62 | | | | .98 | | | | 1.34 | | | | 1.70 | | | | 2.06 | | | |
| .27 | | | | .63 | | | | .99 | | | | 1.35 | | | | 1.71 | | | | 2.07 | | | |
| .28 | | | | .64 | | | | 1.00 | | | | 1.36 | | | | 1.72 | | | | 2.08 | | | |
| .29 | | | | .65 | | | | 1.01 | | | | 1.37 | | | | 1.73 | | | | 2.09 | | | |
| .30 | | | | .66 | | | | 1.02 | | | | 1.38 | | | | 1.74 | | | | 2.10 | | | |
| .31 | | | | .67 | | | | 1.03 | | | | 1.39 | | | | 1.75 | | | | 2.11 | | | |
| .32 | | | | .68 | | | | 1.04 | | | | 1.40 | | | | 1.76 | | | | 2.12 | | | |
| .33 | | | | .69 | | | | 1.05 | | | | 1.41 | | | | 1.77 | | | | 2.13 | | | |
| .34 | | | | .70 | | | | 1.06 | | | | 1.42 | | | | 1.78 | | | | 2.14 | | | |
| .35 | | | | .71 | | | | 1.07 | | | | 1.43 | | | | 1.79 | | | | 2.15 | | | |
| .36 | 1 | ↑ | | .72 | | | | 1.08 | | | | 1.44 | | | | 1.80 | | | | | | | |
| .37 | 3 | | | .73 | | | | 1.09 | | | | 1.45 | | | | 1.81 | | | | | | | |
| .38 | 2 | | | .74 | | | | 1.10 | | | | 1.46 | | | | 1.82 | | | | | | | |
| .39 | 2 | | | .75 | | | | 1.11 | | | | 1.47 | | | | 1.83 | | | | | | | |
| .40 | 1 | | | .76 | | | | 1.12 | | | | 1.48 | | | | 1.84 | | | | | | | |
| .41 | 1 | | | .77 | | | | 1.13 | | | | 1.49 | | | | 1.85 | | | | | | | |
| .42 | 1 | | | .78 | | | | 1.14 | | | | 1.50 | | | | 1.86 | | | | | | | |
| .43 | | | | .79 | | | | 1.15 | | | | 1.51 | | | | 1.87 | | | | | | | |
| .44 | 2 | | | .80 | | | | 1.16 | | | | 1.52 | | | | 1.88 | | | | | | | |
| .45 | 2 | | FGV | .81 | | | | 1.17 | | | | 1.53 | | | | 1.89 | | | | | | | |

Organic matter Comp. (%)

| Exinite | Alginite |
|---|---|
| 0.2 | — |

| Vitrinite | Inertinite |
|---|---|
| 0.4 | 1.5 |

Kelraville Konsultants Pty Ltd.

GAS & FUEL

# VITRINITE REFLECTANCE WORKSHEET

WELL NAME PINE LODGE-1 SAMPLE NO V3015 DEPTH 1624 M TYPE SWC

FGV = First Generation Vitrinite I = Inertinite

| Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .10 | | | | .46 | 2 | | | .82 | | | | 1.18 | | | | 1.54 | | | | 1.90 | | | |
| .11 | | | | .47 | 2 | | | .83 | | | | 1.19 | | | | 1.55 | | | | 1.91 | | | |
| .12 | | | | .48 | 1 | | | .84 | | | | 1.20 | | | | 1.56 | | | | 1.92 | | | |
| .13 | | | | .49 | 1 | | | .85 | | | | 1.21 | | | | 1.57 | | | | 1.93 | | | |
| .14 | | | | .50 | 3 | | | .86 | | | | 1.22 | | | | 1.58 | | | | 1.94 | | | |
| .15 | | | | .51 | | | | .87 | | | | 1.23 | | | | 1.59 | | | | 1.95 | | | |
| .16 | | | | .52 | 1 | | | .88 | | | | 1.24 | | | | 1.60 | | | | 1.96 | | | |
| .17 | | | | .53 | 1 | | | .89 | | | | 1.25 | | | | 1.61 | | | | 1.97 | | | |
| .18 | | | | .54 | | | | .90 | | | | 1.26 | | | | 1.62 | | | | 1.98 | | | |
| .19 | | | | .55 | 1 | ↓ | | .91 | | | | 1.27 | | | | 1.63 | | | | 1.99 | | | |
| .20 | | | | .56 | | | | .92 | | | | 1.28 | | | | 1.64 | | | | 2.00 | | | |
| .21 | | | | .57 | | | | .93 | | | | 1.29 | | | | 1.65 | | | | 2.01 | | | |
| .22 | | | | .58 | | | | .94 | | | | 1.30 | | | | 1.66 | | | | 2.02 | | | |
| .23 | | | | .59 | | | | .95 | | | | 1.31 | | | | 1.67 | | | | 2.03 | | | |
| .24 | | | | .60 | | | | .96 | | | | 1.32 | | | | 1.68 | | | | 2.04 | | | |
| .25 | | | | .61 | | | | .97 | | | | 1.33 | | | | 1.69 | | | | 2.05 | | | |
| .26 | | | | .62 | | | | .98 | | | | 1.34 | | | | 1.70 | | | | 2.06 | | | |
| .27 | | | | .63 | | | | .99 | | | | 1.35 | | | | 1.71 | | | | 2.07 | | | |
| .28 | | | | .64 | | | | 1.00 | | | | 1.36 | | | | 1.72 | | | | 2.08 | | | |
| .29 | | | | .65 | | | | 1.01 | | | | 1.37 | | | | 1.73 | | | | 2.09 | | | |
| .30 | | | | .66 | | | | 1.02 | | | | 1.38 | | | | 1.74 | | | | 2.10 | | | |
| .31 | | | | .67 | | | | 1.03 | | | | 1.39 | | | | 1.75 | | | | 2.11 | | | |
| .32 | | | | .68 | | | | 1.04 | | | | 1.40 | | | | 1.76 | | | | 2.12 | | | |
| .33 | | | | .69 | | | | 1.05 | | | | 1.41 | | | | 1.77 | | | | 2.13 | | | |
| .34 | 1 | ↑ | | .70 | | | | 1.06 | | | | 1.42 | | | | 1.78 | | | | 2.14 | | | |
| .35 | | | | .71 | | | | 1.07 | | | | 1.43 | | | | 1.79 | | | | 2.15 | | | |
| .36 | 4 | | | .72 | | | | 1.08 | | | | 1.44 | | | | 1.80 | | | | | | | |
| .37 | | | | .73 | | | | 1.09 | | | | 1.45 | | | | 1.81 | | | | | | | |
| .38 | 3 | | | .74 | | | | 1.10 | | | | 1.46 | | | | 1.82 | | | | | | | |
| .39 | 2 | | | .75 | | | | 1.11 | | | | 1.47 | | | | 1.83 | | | | | | | |
| .40 | | | | .76 | | | | 1.12 | | | | 1.48 | | | | 1.84 | | | | | | | |
| .41 | 2 | | | .77 | | | | 1.13 | | | | 1.49 | | | | 1.85 | | | | | | | |
| .42 | 1 | | | .78 | | | | 1.14 | | | | 1.50 | | | | 1.86 | | | | | | | |
| .43 | | | | .79 | | | | 1.15 | | | | 1.51 | | | | 1.87 | | | | | | | |
| .44 | | | FGV | .80 | | | | 1.16 | | | | 1.52 | | | | 1.88 | | | | | | | |
| .45 | 1 | | | .81 | | | | 1.17 | | | | 1.53 | | | | 1.89 | | | | | | | |

Organic matter Comp.(%)

| Exinite | Alginite |
|---|---|
| 0.3 | — |

| Vitrinite | Inertinite |
|---|---|
| 0.7 | 3.0 |

Kelraville Konsultants Pty Ltd.

# VITRINITE REFLECTANCE WORKSHEET

GAS & FUEL

WELL NAME. PINE LODGE-1 SAMPLE NO. V3016 DEPTH 1787 M TYPE SWC

FGV = First Generation Vitrinite I = Inertinite

| Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .10 | | | | .46 | 2 | | | .82 | | | | 1.18 | | | | 1.54 | | | | 1.90 | | | |
| .11 | | | | .47 | | | FGV | .83 | | | | 1.19 | | | | 1.55 | | | | 1.91 | | | |
| .12 | | | | .48 | | | | .84 | | | | 1.20 | | | | 1.56 | | | | 1.92 | | | |
| .13 | | | | .49 | 2 | | | .85 | | | | 1.21 | | | | 1.57 | | | | 1.93 | | | |
| .14 | | | | .50 | 2 | | | .86 | | | | 1.22 | | | | 1.58 | | | | 1.94 | | | |
| .15 | | | | .51 | 1 | | | .87 | | | | 1.23 | | | | 1.59 | | | | 1.95 | | | |
| .16 | | | | .52 | 1 | | | .88 | | | | 1.24 | | | | 1.60 | | | | 1.96 | | | |
| .17 | | | | .53 | 2 | | | .89 | | | | 1.25 | | | | 1.61 | | | | 1.97 | | | |
| .18 | | | | .54 | 3 | | | .90 | | | | 1.26 | | | | 1.62 | | | | 1.98 | | | |
| .19 | | | | .55 | | ↓ | | .91 | | | | 1.27 | | | | 1.63 | | | | 1.99 | | | |
| .20 | | | | .56 | 2 | | | .92 | | | | 1.28 | | | | 1.64 | | | | 2.00 | | | |
| .21 | | | | .57 | | | | .93 | | | | 1.29 | | | | 1.65 | | | | 2.01 | | | |
| .22 | | | | .58 | | | | .94 | | | | 1.30 | | | | 1.66 | | | | 2.02 | | | |
| .23 | | | | .59 | | | | .95 | | | | 1.31 | | | | 1.67 | | | | 2.03 | | | |
| .24 | | | | .60 | | | | .96 | | | | 1.32 | | | | 1.68 | | | | 2.04 | | | |
| .25 | | | | .61 | | | | .97 | | | | 1.33 | | | | 1.69 | | | | 2.05 | | | |
| .26 | | | | .62 | | | | .98 | | | | 1.34 | | | | 1.70 | | | | 2.06 | | | |
| .27 | | | | .63 | | | | .99 | | | | 1.35 | | | | 1.71 | | | | 2.07 | | | |
| .28 | | | | .64 | | | | 1.00 | | | | 1.36 | | | | 1.72 | | | | 2.08 | | | |
| .29 | | | | .65 | | | | 1.01 | | | | 1.37 | | | | 1.73 | | | | 2.09 | | | |
| .30 | | | | .66 | | | | 1.02 | | | | 1.38 | | | | 1.74 | | | | 2.10 | | | |
| .31 | | | | .67 | | | | 1.03 | | | | 1.39 | | | | 1.75 | | | | 2.11 | | | |
| .32 | | | | .68 | | | | 1.04 | | | | 1.40 | | | | 1.76 | | | | 2.12 | | | |
| .33 | | | | .69 | | | | 1.05 | | | | 1.41 | | | | 1.77 | | | | 2.13 | | | |
| .34 | | | | .70 | | | | 1.06 | | | | 1.42 | | | | 1.78 | | | | 2.14 | | | |
| .35 | | | | .71 | | | | 1.07 | | | | 1.43 | | | | 1.79 | | | | 2.15 | | | |
| .36 | | | | .72 | | | | 1.08 | | | | 1.44 | | | | 1.80 | | | | | | | |
| .37 | | | | .73 | | | | 1.09 | | | | 1.45 | | | | 1.81 | | | | | | | |
| .38 | | | | .74 | | | | 1.10 | | | | 1.46 | | | | 1.82 | | | | | | | |
| .39 | | | | .75 | | | | 1.11 | | | | 1.47 | | | | 1.83 | | | | | | | |
| .40 | 2 | ↑ | | .76 | | | | 1.12 | | | | 1.48 | | | | 1.84 | | | | | | | |
| .41 | 3 | | | .77 | | | | 1.13 | | | | 1.49 | | | | 1.85 | | | | | | | |
| .42 | 1 | | | .78 | | | | 1.14 | | | | 1.50 | | | | 1.86 | | | | | | | |
| .43 | 3 | | | .79 | | | | 1.15 | | | | 1.51 | | | | 1.87 | | | | | | | |
| .44 | | | | .80 | | | | 1.16 | | | | 1.52 | | | | 1.88 | | | | | | | |
| .45 | 3 | | | .81 | | | | 1.17 | | | | 1.53 | | | | 1.89 | | | | | | | |

Organic matter Comp.(%)

| Exinite | Alginite |
|---|---|
| 0.3 | |

| Vitrinite | Inertinite |
|---|---|
| 1.0 | 3.0 |

Keiraville Konsultants Pty Ltd.

# VITRINITE REFLECTANCE WORKSHEET

GAS & FUEL

WELL NAME. PINE LODGE-1 ..... SAMPLE NO. V3017 ... DEPTH ..... 1815 M ..... TYPE. SWC ...

FGV = First Generation Vitrinite  I = Inertinite

| Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .10 | | | | .46 | 2 | | | .82 | | | | 1.18 | | | | 1.54 | | | | 1.90 | | | |
| .11 | | | | .47 | 1 | | | .83 | | | | 1.19 | | | | 1.55 | | | | 1.91 | | | |
| .12 | | | | .48 | 2 | | | .84 | | | | 1.20 | | | | 1.56 | | | | 1.92 | | | |
| .13 | | | | .49 | 3 | | | .85 | | | | 1.21 | | | | 1.57 | | | | 1.93 | | | |
| .14 | | | | .50 | 3 | | | .86 | | | | 1.22 | | | | 1.58 | | | | 1.94 | | | |
| .15 | | | | .51 | 1 | | | .87 | | | | 1.23 | | | | 1.59 | | | | 1.95 | | | |
| .16 | | | | .52 | 1 | | | .88 | | | | 1.24 | | | | 1.60 | | | | 1.96 | | | |
| .17 | | | | .53 | | | | .89 | | | | 1.25 | | | | 1.61 | | | | 1.97 | | | |
| .18 | | | | .54 | 2 | ↓ | | .90 | | | | 1.26 | | | | 1.62 | | | | 1.98 | | | |
| .19 | | | | .55 | | | | .91 | | | | 1.27 | | | | 1.63 | | | | 1.99 | | | |
| .20 | | | | .56 | | | | .92 | | | | 1.28 | | | | 1.64 | | | | 2.00 | | | |
| .21 | | | | .57 | | | | .93 | | | | 1.29 | | | | 1.65 | | | | 2.01 | | | |
| .22 | | | | .58 | | | | .94 | | | | 1.30 | | | | 1.66 | | | | 2.02 | | | |
| .23 | | | | .59 | | | | .95 | | | | 1.31 | | | | 1.67 | | | | 2.03 | | | |
| .24 | | | | .60 | | | | .96 | | | | 1.32 | | | | 1.68 | | | | 2.04 | | | |
| .25 | | | | .61 | | | | .97 | | | | 1.33 | | | | 1.69 | | | | 2.05 | | | |
| .26 | | | | .62 | | | | .98 | | | | 1.34 | | | | 1.70 | | | | 2.06 | | | |
| .27 | | | | .63 | | | | .99 | | | | 1.35 | | | | 1.71 | | | | 2.07 | | | |
| .28 | | | | .64 | | | | 1.00 | | | | 1.36 | | | | 1.72 | | | | 2.08 | | | |
| .29 | | | | .65 | | | | 1.01 | | | | 1.37 | | | | 1.73 | | | | 2.09 | | | |
| .30 | | | | .66 | | | | 1.02 | | | | 1.38 | | | | 1.74 | | | | 2.10 | | | |
| .31 | | | | .67 | | | | 1.03 | | | | 1.39 | | | | 1.75 | | | | 2.11 | | | |
| .32 | | | | .68 | | | | 1.04 | | | | 1.40 | | | | 1.76 | | | | 2.12 | | | |
| .33 | | | | .69 | | | | 1.05 | | | | 1.41 | | | | 1.77 | | | | 2.13 | | | |
| .34 | | | | .70 | | | | 1.06 | | | | 1.42 | | | | 1.78 | | | | 2.14 | | | |
| .35 | 2 | ↑ | | .71 | | | | 1.07 | | | | 1.43 | | | | 1.79 | | | | 2.15 | | | |
| .36 | 1 | | | .72 | | | | 1.08 | | | | 1.44 | | | | 1.80 | | | | | | | |
| .37 | 1 | | | .73 | | | | 1.09 | | | | 1.45 | | | | 1.81 | | | | | | | |
| .38 | 1 | | | .74 | | | | 1.10 | | | | 1.46 | | | | 1.82 | | | | | | | |
| .39 | 2 | | | .75 | | | | 1.11 | | | | 1.47 | | | | 1.83 | | | | | | | |
| .40 | 2 | | | .76 | | | | 1.12 | | | | 1.48 | | | | 1.84 | | | | | | | |
| .41 | | | | .77 | | | | 1.13 | | | | 1.49 | | | | 1.85 | | | | | | | |
| .42 | | | | .78 | | | | 1.14 | | | | 1.50 | | | | 1.86 | | | | | | | |
| .43 | 1 | | | .79 | | | | 1.15 | | | | 1.51 | | | | 1.87 | | | | | | | |
| .44 | 1 | | | .80 | | | | 1.16 | | | | 1.52 | | | | 1.88 | | | | | | | |
| .45 | 2 | | FGV | .81 | | | | 1.17 | | | | 1.53 | | | | 1.89 | | | | | | | |

Organic matter Comp.(%)

| Exinite | Alginite |
|---|---|
| 0.2 | — |

| Vitrinite | Inertinite |
|---|---|
| 0.3 | 2.5 |

Keiraville Konsultants Pty Ltd.

# VITRINITE REFLECTANCE WORKSHEET

GAS & FUEL

WELL NAME PINE LODGE-1 SAMPLE NO V3018 DEPTH 1898 M TYPE SWC

FGV = First Generation Vitrinite I = Inertinite

| Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .10 | | | | .46 | | | | .82 | | | | 1.18 | | | | 1.54 | | | | 1.90 | | | |
| .11 | | | | .47 | | | | .83 | | | | 1.19 | | | | 1.55 | | | | 1.91 | | | |
| .12 | | | | .48 | 3 | | | .84 | | | | 1.20 | | | | 1.56 | | | | 1.92 | | | |
| .13 | | | | .49 | | | | .85 | | | | 1.21 | | | | 1.57 | | | | 1.93 | | | |
| .14 | | | | .50 | | | | .86 | | | | 1.22 | | | | 1.58 | | | | 1.94 | | | |
| .15 | | | | .51 | 3 | | | .87 | | | | 1.23 | | | | 1.59 | | | | 1.95 | | | |
| .16 | | | | .52 | 2 | | | .88 | | | | 1.24 | | | | 1.60 | | | | 1.96 | | | |
| .17 | | | | .53 | 1 | | | .89 | | | | 1.25 | | | | 1.61 | | | | 1.97 | | | |
| .18 | | | | .54 | 1 | | FGV | .90 | | | | 1.26 | | | | 1.62 | | | | 1.98 | | | |
| .19 | | | | .55 | 1 | | | .91 | | | | 1.27 | | | | 1.63 | | | | 1.99 | | | |
| .20 | | | | .56 | 2 | | | .92 | | | | 1.28 | | | | 1.64 | | | | 2.00 | | | |
| .21 | | | | .57 | 1 | | | .93 | | | | 1.29 | | | | 1.65 | | | | 2.01 | | | |
| .22 | | | | .58 | 1 | | | .94 | | | | 1.30 | | | | 1.66 | | | | 2.02 | | | |
| .23 | | | | .59 | | | | .95 | | | | 1.31 | | | | 1.67 | | | | 2.03 | | | |
| .24 | | | | .60 | 1 | | | .96 | | | | 1.32 | | | | 1.68 | | | | 2.04 | | | |
| .25 | | | | .61 | 1 | | | .97 | | | | 1.33 | | | | 1.69 | | | | 2.05 | | | |
| .26 | | | | .62 | 1 | | | .98 | | | | 1.34 | | | | 1.70 | | | | 2.06 | | | |
| .27 | | | | .63 | | | | .99 | | | | 1.35 | | | | 1.71 | | | | 2.07 | | | |
| .28 | | | | .64 | 1 | | | 1.00 | | | | 1.36 | | | | 1.72 | | | | 2.08 | | | |
| .29 | | | | .65 | 1 | | | 1.01 | | | | 1.37 | | | | 1.73 | | | | 2.09 | | | |
| .30 | | | | .66 | | | | 1.02 | | | | 1.38 | | | | 1.74 | | | | 2.10 | | | |
| .31 | | | | .67 | | | | 1.03 | | | | 1.39 | | | | 1.75 | | | | 2.11 | | | |
| .32 | | | | .68 | 1 | | | 1.04 | | | | 1.40 | | | | 1.76 | | | | 2.12 | | | |
| .33 | | | | .69 | | | | 1.05 | | | | 1.41 | | | | 1.77 | | | | 2.13 | | | |
| .34 | | | | .70 | | | | 1.06 | | | | 1.42 | | | | 1.78 | | | | 2.14 | | | |
| .35 | | | | .71 | | | | 1.07 | | | | 1.43 | | | | 1.79 | | | | 2.15 | | | |
| .36 | | | | .72 | | | | 1.08 | | | | 1.44 | | | | 1.80 | | | | | | | |
| .37 | | | | .73 | | | | 1.09 | | | | 1.45 | | | | 1.81 | | | | | | | |
| .38 | | | | .74 | | | | 1.10 | | | | 1.46 | | | | 1.82 | | | | | | | |
| .39 | | | | .75 | | | | 1.11 | | | | 1.47 | | | | 1.83 | | | | | | | |
| .40 | 1 | | | .76 | | | | 1.12 | | | | 1.48 | | | | 1.84 | | | | | | | |
| .41 | | | | .77 | | | | 1.13 | | | | 1.49 | | | | 1.85 | | | | | | | |
| .42 | | | | .78 | | | | 1.14 | | | | 1.50 | | | | 1.86 | | | | | | | |
| .43 | 1 | | | .79 | | | | 1.15 | | | | 1.51 | | | | 1.87 | | | | | | | |
| .44 | 1 | | | .80 | | | | 1.16 | | | | 1.52 | | | | 1.88 | | | | | | | |
| .45 | 1 | | | .81 | | | | 1.17 | | | | 1.53 | | | | 1.89 | | | | | | | |

| Organic matter Comp. (%) | |
|---|---|
| Exinite | Alginite |
| 0.3 | — |
| Vitrinite | Inertinite |
| 0.6 | 3.0 |

Kelraville Konsultants Pty Ltd.

GAS & FUEL

# VITRINITE REFLECTANCE WORKSHEET

WELL NAME. PINE LODGE-1 SAMPLE NO. V3019 DEPTH. 1931 M TYPE. SWC

FGV = First Generation Vitrinite I = Inertinite

| Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .10 | | | | .46 | | | | .82 | | | | 1.18 | | | | 1.54 | | | | 1.90 | | | |
| .11 | | | | .47 | 1 | | | .83 | | | | 1.19 | | | | 1.55 | | | | 1.91 | | | |
| .12 | | | | .48 | | | | .84 | | | | 1.20 | | | | 1.56 | | | | 1.92 | | | |
| .13 | | | | .49 | 4 | | | .85 | | | | 1.21 | | | | 1.57 | | | | 1.93 | | | |
| .14 | | | | .50 | 1 | | | .86 | | | | 1.22 | | | | 1.58 | | | | 1.94 | | | |
| .15 | | | | .51 | 2 | | | .87 | | | | 1.23 | | | | 1.59 | | | | 1.95 | | | |
| .16 | | | | .52 | 3 | | | .88 | | | | 1.24 | | | | 1.60 | | | | 1.96 | | | |
| .17 | | | | .53 | 1 | | FGV | .89 | | | | 1.25 | | | | 1.61 | | | | 1.97 | | | |
| .18 | | | | .54 | 1 | | | .90 | | | | 1.26 | | | | 1.62 | | | | 1.98 | | | |
| .19 | | | | .55 | | | | .91 | | | | 1.27 | | | | 1.63 | | | | 1.99 | | | |
| .20 | | | | .56 | | | | .92 | | | | 1.28 | | | | 1.64 | | | | 2.00 | | | |
| .21 | | | | .57 | 3 | | | .93 | | | | 1.29 | | | | 1.65 | | | | 2.01 | | | |
| .22 | | | | .58 | 3 | | | .94 | | | | 1.30 | | | | 1.66 | | | | 2.02 | | | |
| .23 | | | | .59 | | | | .95 | | | | 1.31 | | | | 1.67 | | | | 2.03 | | | |
| .24 | | | | .60 | 1 | | | .96 | | | | 1.32 | | | | 1.68 | | | | 2.04 | | | |
| .25 | | | | .61 | 1 | | | .97 | | | | 1.33 | | | | 1.69 | | | | 2.05 | | | |
| .26 | | | | .62 | | | | .98 | | | | 1.34 | | | | 1.70 | | | | 2.06 | | | |
| .27 | | | | .63 | 1 | | | .99 | | | | 1.35 | | | | 1.71 | | | | 2.07 | | | |
| .28 | | | | .64 | 1 | ↓ | | 1.00 | | | | 1.36 | | | | 1.72 | | | | 2.08 | | | |
| .29 | | | | .65 | | | | 1.01 | | | | 1.37 | | | | 1.73 | | | | 2.09 | | | |
| .30 | | | | .66 | | | | 1.02 | | | | 1.38 | | | | 1.74 | | | | 2.10 | | | |
| .31 | | | | .67 | | | | 1.03 | | | | 1.39 | | | | 1.75 | | | | 2.11 | | | |
| .32 | | | | .68 | | | | 1.04 | | | | 1.40 | | | | 1.76 | | | | 2.12 | | | |
| .33 | | | | .69 | | | | 1.05 | | | | 1.41 | | | | 1.77 | | | | 2.13 | | | |
| .34 | | | | .70 | | | | 1.06 | | | | 1.42 | | | | 1.78 | | | | 2.14 | | | |
| .35 | | | | .71 | | | | 1.07 | | | | 1.43 | | | | 1.79 | | | | 2.15 | | | |
| .36 | | | | .72 | | | | 1.08 | | | | 1.44 | | | | 1.80 | | | | | | | |
| .37 | | | | .73 | | | | 1.09 | | | | 1.45 | | | | 1.81 | | | | | | | |
| .38 | | | | .74 | | | | 1.10 | | | | 1.46 | | | | 1.82 | | | | | | | |
| .39 | | | | .75 | | | | 1.11 | | | | 1.47 | | | | 1.83 | | | | | | | |
| .40 | | | | .76 | | | | 1.12 | | | | 1.48 | | | | 1.84 | | | | | | | |
| .41 | 1 | ↑ | | .77 | | | | 1.13 | | | | 1.49 | | | | 1.85 | | | | | | | |
| .42 | 1 | | | .78 | | | | 1.14 | | | | 1.50 | | | | 1.86 | | | | | | | |
| .43 | | | | .79 | | | | 1.15 | | | | 1.51 | | | | 1.87 | | | | | | | |
| .44 | 1 | | | .80 | | | | 1.16 | | | | 1.52 | | | | 1.88 | | | | | | | |
| .45 | 1 | | | .81 | | | | 1.17 | | | | 1.53 | | | | 1.89 | | | | | | | |

Organic matter Comp.(%)

| Exinite | Alginite |
|---|---|
| 0.1 | |

| Vitrinite | Inertinite |
|---|---|
| 0.6 | 2.5 |

Kelraville Konsultants Pty Ltd.

GAS & FUEL

# VITRINITE REFLECTANCE WORKSHEET

WELL NAME PINE LODGE-1 SAMPLE NO. V3020 DEPTH 2007 M TYPE SWC

FGV = First Generation Vitrinite I = Inertinite

| Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .10 | | | | .46 | 1 | | | .82 | | | | 1.18 | | | | 1.54 | | | | 1.90 | | | |
| .11 | | | | .47 | 3 | | | .83 | | | | 1.19 | | | | 1.55 | | | | 1.91 | | | |
| .12 | | | | .48 | 9 | | | .84 | | | | 1.20 | | | | 1.56 | | | | 1.92 | | | |
| .13 | | | | .49 | 2 | | | .85 | | | | 1.21 | | | | 1.57 | | | | 1.93 | | | |
| .14 | | | | .50 | 6 | | FGV | .86 | | | | 1.22 | | | | 1.58 | | | | 1.94 | | | |
| .15 | | | | .51 | 3 | | | .87 | | | | 1.23 | | | | 1.59 | | | | 1.95 | | | |
| .16 | | | | .52 | 5 | | | .88 | | | | 1.24 | | | | 1.60 | | | | 1.96 | | | |
| .17 | | | | .53 | 1 | | | .89 | | | | 1.25 | | | | 1.61 | | | | 1.97 | | | |
| .18 | | | | .54 | 1 | V | | .90 | | | | 1.26 | | | | 1.62 | | | | 1.98 | | | |
| .19 | | | | .55 | 1 | V | | .91 | | | | 1.27 | | | | 1.63 | | | | 1.99 | | | |
| .20 | | | | .56 | | | | .92 | | | | 1.28 | | | | 1.64 | | | | 2.00 | | | |
| .21 | | | | .57 | | | | .93 | | | | 1.29 | | | | 1.65 | | | | 2.01 | | | |
| .22 | | | | .58 | | | | .94 | | | | 1.30 | | | | 1.66 | | | | 2.02 | | | |
| .23 | | | | .59 | | | | .95 | | | | 1.31 | | | | 1.67 | | | | 2.03 | | | |
| .24 | | | | .60 | | | | .96 | | | | 1.32 | | | | 1.68 | | | | 2.04 | | | |
| .25 | | | | .61 | | | | .97 | | | | 1.33 | | | | 1.69 | | | | 2.05 | | | |
| .26 | | | | .62 | | | | .98 | | | | 1.34 | | | | 1.70 | | | | 2.06 | | | |
| .27 | | | | .63 | | | | .99 | | | | 1.35 | | | | 1.71 | | | | 2.07 | | | |
| .28 | | | | .64 | | | | 1.00 | | | | 1.36 | | | | 1.72 | | | | 2.08 | | | |
| .29 | | | | .65 | | | | 1.01 | | | | 1.37 | | | | 1.73 | | | | 2.09 | | | |
| .30 | | | | .66 | | | | 1.02 | | | | 1.38 | | | | 1.74 | | | | 2.10 | | | |
| .31 | | | | .67 | | | | 1.03 | | | | 1.39 | | | | 1.75 | | | | 2.11 | | | |
| .32 | | | | .68 | | | | 1.04 | | | | 1.40 | | | | 1.76 | | | | 2.12 | | | |
| .33 | | | | .69 | | | | 1.05 | | | | 1.41 | | | | 1.77 | | | | 2.13 | | | |
| .34 | | | | .70 | | | | 1.06 | | | | 1.42 | | | | 1.78 | | | | 2.14 | | | |
| .35 | | | | .71 | | | | 1.07 | | | | 1.43 | | | | 1.79 | | | | 2.15 | | | |
| .36 | | | | .72 | | | | 1.08 | | | | 1.44 | | | | 1.80 | | | | | | | |
| .37 | | | | .73 | | | | 1.09 | | | | 1.45 | | | | 1.81 | | | | | | | |
| .38 | | | | .74 | | | | 1.10 | | | | 1.46 | | | | 1.82 | | | | | | | |
| .39 | | | | .75 | | | | 1.11 | | | | 1.47 | | | | 1.83 | | | | | | | |
| .40 | | | | .76 | | | | 1.12 | | | | 1.48 | | | | 1.84 | | | | | | | |
| .41 | | | | .77 | | | | 1.13 | | | | 1.49 | | | | 1.85 | | | | | | | |
| .42 | | | | .78 | | | | 1.14 | | | | 1.50 | | | | 1.86 | | | | | | | |
| .43 | | | | .79 | | | | 1.15 | | | | 1.51 | | | | 1.87 | | | | | | | |
| .44 | 2 | ↑ | | .80 | | | | 1.16 | | | | 1.52 | | | | 1.88 | | | | | | | |
| .45 | | | | .81 | | | | 1.17 | | | | 1.53 | | | | 1.89 | | | | | | | |

| Organic matter Comp. (%) | |
|---|---|
| Exinite | Alginite |
| 0.1 | — |
| Vitrinite | Inertinite |
| 1.4 | 0.8 |

Kelraville Konsultants Pty Ltd.

GAS & FUEL

# VITRINITE REFLECTANCE WORKSHEET

WELL NAME. PINE LODGE-1 SAMPLE NO. V3021 DEPTH. 2030 M TYPE. SWC

FGV = First Generation Vitrinite I = Inertinite

| Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .10 | | | | .46 | | | | .82 | | | | 1.18 | | | | 1.54 | | | | 1.90 | | | |
| .11 | | | | .47 | 1 | | | .83 | | | | 1.19 | | | | 1.55 | | | | 1.91 | | | |
| .12 | | | | .48 | | | | .84 | | | | 1.20 | | | | 1.56 | | | | 1.92 | | | |
| .13 | | | | .49 | | | | .85 | | | | 1.21 | | | | 1.57 | | | | 1.93 | | | |
| .14 | | | | .50 | 1 | | | .86 | | | | 1.22 | | | | 1.58 | | | | 1.94 | | | |
| .15 | | | | .51 | 2 | | | .87 | | | | 1.23 | | | | 1.59 | | | | 1.95 | | | |
| .16 | | | | .52 | | | | .88 | | | | 1.24 | | | | 1.60 | | | | 1.96 | | | |
| .17 | | | | .53 | 1 | | | .89 | | | | 1.25 | | | | 1.61 | | | | 1.97 | | | |
| .18 | | | | .54 | 1 | | | .90 | | | | 1.26 | | | | 1.62 | | | | 1.98 | | | |
| .19 | | | | .55 | | | | .91 | | | | 1.27 | | | | 1.63 | | | | 1.99 | | | |
| .20 | | | | .56 | 2 | | | .92 | | | | 1.28 | | | | 1.64 | | | | 2.00 | | | |
| .21 | | | | .57 | 2 | | FGV | .93 | | | | 1.29 | | | | 1.65 | | | | 2.01 | | | |
| .22 | | | | .58 | 3 | | | .94 | | | | 1.30 | | | | 1.66 | | | | 2.02 | | | |
| .23 | | | | .59 | 3 | | | .95 | | | | 1.31 | | | | 1.67 | | | | 2.03 | | | |
| .24 | | | | .60 | 5 | | | .96 | | | | 1.32 | | | | 1.68 | | | | 2.04 | | | |
| .25 | | | | .61 | 2 | | | .97 | | | | 1.33 | | | | 1.69 | | | | 2.05 | | | |
| .26 | | | | .62 | 2 | | | .98 | | | | 1.34 | | | | 1.70 | | | | 2.06 | | | |
| .27 | | | | .63 | 1 | ↓ | | .99 | | | | 1.35 | | | | 1.71 | | | | 2.07 | | | |
| .28 | | | | .64 | | | | 1.00 | | | | 1.36 | | | | 1.72 | | | | 2.08 | | | |
| .29 | | | | .65 | | | | 1.01 | | | | 1.37 | | | | 1.73 | | | | 2.09 | | | |
| .30 | | | | .66 | | | | 1.02 | | | | 1.38 | | | | 1.74 | | | | 2.10 | | | |
| .31 | | | | .67 | | | | 1.03 | | | | 1.39 | | | | 1.75 | | | | 2.11 | | | |
| .32 | | | | .68 | | | | 1.04 | | | | 1.40 | | | | 1.76 | | | | 2.12 | | | |
| .33 | | | | .69 | | | | 1.05 | | | | 1.41 | | | | 1.77 | | | | 2.13 | | | |
| .34 | | | | .70 | | | | 1.06 | | | | 1.42 | | | | 1.78 | | | | 2.14 | | | |
| .35 | | | | .71 | | | | 1.07 | | | | 1.43 | | | | 1.79 | | | | 2.15 | | | |
| .36 | | | | .72 | | | | 1.08 | | | | 1.44 | | | | 1.80 | | | | | | | |
| .37 | | | | .73 | | | | 1.09 | | | | 1.45 | | | | 1.81 | | | | | | | |
| .38 | | | | .74 | | | | 1.10 | | | | 1.46 | | | | 1.82 | | | | | | | |
| .39 | | | | .75 | | | | 1.11 | | | | 1.47 | | | | 1.83 | | | | | | | |
| .40 | | | | .76 | | | | 1.12 | | | | 1.48 | | | | 1.84 | | | | | | | |
| .41 | | | | .77 | | | | 1.13 | | | | 1.49 | | | | 1.85 | | | | | | | |
| .42 | | | | .78 | | | | 1.14 | | | | 1.50 | | | | 1.86 | | | | | | | |
| .43 | | | | .79 | | | | 1.15 | | | | 1.51 | | | | 1.87 | | | | | | | |
| .44 | | | | .80 | | | | 1.16 | | | | 1.52 | | | | 1.88 | | | | | | | |
| .45 | 1 | ↑ | | .81 | | | | 1.17 | | | | 1.53 | | | | 1.89 | | | | | | | |

Organic matter Comp.(%)

| Exinite | Alginite |
|---|---|
| 0.3 | — |

| Vitrinite | Inertinite |
|---|---|
| 1.8 | 1.5 |

Kelraville Konsultants Pty Ltd.

GAS & FUEL

# VITRINITE REFLECTANCE WORKSHEET

WELL NAME. PINE LODGE-1 SAMPLE NO. V3022 DEPTH 2052.5 M TYPE SWC

FGV = First Generation Vitrinite I = Inertinite

| Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .10 | | | | .46 | | | | .82 | | | | 1.18 | | | | 1.54 | | | | 1.90 | | | |
| .11 | | | | .47 | 1 | | | .83 | | | | 1.19 | | | | 1.55 | | | | 1.91 | | | |
| .12 | | | | .48 | | | | .84 | | | | 1.20 | | | | 1.56 | | | | 1.92 | | | |
| .13 | | | | .49 | | | | .85 | | | | 1.21 | | | | 1.57 | | | | 1.93 | | | |
| .14 | | | | .50 | 1 | | | .86 | | | | 1.22 | | | | 1.58 | | | | 1.94 | | | |
| .15 | | | | .51 | 1 | | | .87 | | | | 1.23 | | | | 1.59 | | | | 1.95 | | | |
| .16 | | | | .52 | 3 | | | .88 | | | | 1.24 | | | | 1.60 | | | | 1.96 | | | |
| .17 | | | | .53 | 2 | | | .89 | | | | 1.25 | | | | 1.61 | | | | 1.97 | | | |
| .18 | | | | .54 | 3 | | | .90 | | | | 1.26 | | | | 1.62 | | | | 1.98 | | | |
| .19 | | | | .55 | | | | .91 | | | | 1.27 | | | | 1.63 | | | | 1.99 | | | |
| .20 | | | | .56 | 3 | | | .92 | | | | 1.28 | | | | 1.64 | | | | 2.00 | | | |
| .21 | | | | .57 | 2 | | FGV | .93 | | | | 1.29 | | | | 1.65 | | | | 2.01 | | | |
| .22 | | | | .58 | 1 | | | .94 | | | | 1.30 | | | | 1.66 | | | | 2.02 | | | |
| .23 | | | | .59 | 1 | | | .95 | | | | 1.31 | | | | 1.67 | | | | 2.03 | | | |
| .24 | | | | .60 | 3 | | | .96 | | | | 1.32 | | | | 1.68 | | | | 2.04 | | | |
| .25 | | | | .61 | | | | .97 | | | | 1.33 | | | | 1.69 | | | | 2.05 | | | |
| .26 | | | | .62 | 1 | | | .98 | | | | 1.34 | | | | 1.70 | | | | 2.06 | | | |
| .27 | | | | .63 | | | | .99 | | | | 1.35 | | | | 1.71 | | | | 2.07 | | | |
| .28 | | | | .64 | | | | 1.00 | | | | 1.36 | | | | 1.72 | | | | 2.08 | | | |
| .29 | | | | .65 | | | | 1.01 | | | | 1.37 | | | | 1.73 | | | | 2.09 | | | |
| .30 | | | | .66 | 2 | | | 1.02 | | | | 1.38 | | | | 1.74 | | | | 2.10 | | | |
| .31 | | | | .67 | 1 | | | 1.03 | | | | 1.39 | | | | 1.75 | | | | 2.11 | | | |
| .32 | | | | .68 | 1 | | | 1.04 | | | | 1.40 | | | | 1.76 | | | | 2.12 | | | |
| .33 | | | | .69 | 1 | | | 1.05 | | | | 1.41 | | | | 1.77 | | | | 2.13 | | | |
| .34 | | | | .70 | | | | 1.06 | | | | 1.42 | | | | 1.78 | | | | 2.14 | | | |
| .35 | | | | .71 | | | | 1.07 | | | | 1.43 | | | | 1.79 | | | | 2.15 | | | |
| .36 | | | | .72 | | | | 1.08 | | | | 1.44 | | | | 1.80 | | | | | | | |
| .37 | | | | .73 | | | | 1.09 | | | | 1.45 | | | | 1.81 | | | | | | | |
| .38 | | | | .74 | | | | 1.10 | | | | 1.46 | | | | 1.82 | | | | | | | |
| .39 | | | | .75 | | | | 1.11 | | | | 1.47 | | | | 1.83 | | | | | | | |
| .40 | | | | .76 | | | | 1.12 | | | | 1.48 | | | | 1.84 | | | | | | | |
| .41 | | | | .77 | | | | 1.13 | | | | 1.49 | | | | 1.85 | | | | | | | |
| .42 | | | | .78 | | | | 1.14 | | | | 1.50 | | | | 1.86 | | | | | | | |
| .43 | | | | .79 | | | | 1.15 | | | | 1.51 | | | | 1.87 | | | | | | | |
| .44 | | | | .80 | | | | 1.16 | | | | 1.52 | | | | 1.88 | | | | | | | |
| .45 | | | | .81 | | | | 1.17 | | | | 1.53 | | | | 1.89 | | | | | | | |

Organic matter Comp.(%)

| Exinite | Alginite |
|---|---|
| 0.1 | — |

| Vitrinite | Inertinite |
|---|---|
| 0.6 | 3.0 |

Kelraville Konsultants Pty Ltd.

GAS & FUEL

# VITRINITE REFLECTANCE WORKSHEET

WELL NAME PINE LODGE-1 SAMPLE NO. V3023 DEPTH 2076.5 M TYPE SWC

FGV = First Generation Vitrinite I = Inertinite

| Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .10 | | | | .46 | | | | .82 | | | | 1.18 | | | | 1.54 | | | | 1.90 | | | |
| .11 | | | | .47 | | | | .83 | | | | 1.19 | | | | 1.55 | | | | 1.91 | | | |
| .12 | | | | .48 | | | | .84 | | | | 1.20 | | | | 1.56 | | | | 1.92 | | | |
| .13 | | | | .49 | | | | .85 | | | | 1.21 | | | | 1.57 | | | | 1.93 | | | |
| .14 | | | | .50 | | | | .86 | | | | 1.22 | | | | 1.58 | | | | 1.94 | | | |
| .15 | | | | .51 | 1 | | | .87 | | | | 1.23 | | | | 1.59 | | | | 1.95 | | | |
| .16 | | | | .52 | 1 | | | .88 | | | | 1.24 | | | | 1.60 | | | | 1.96 | | | |
| .17 | | | | .53 | 1 | | | .89 | | | | 1.25 | | | | 1.61 | | | | 1.97 | | | |
| .18 | | | | .54 | 2 | | | .90 | | | | 1.26 | | | | 1.62 | | | | 1.98 | | | |
| .19 | | | | .55 | 1 | | | .91 | | | | 1.27 | | | | 1.63 | | | | 1.99 | | | |
| .20 | | | | .56 | 2 | | | .92 | | | | 1.28 | | | | 1.64 | | | | 2.00 | | | |
| .21 | | | | .57 | | | | .93 | | | | 1.29 | | | | 1.65 | | | | 2.01 | | | |
| .22 | | | | .58 | 3 | | | .94 | | | | 1.30 | | | | 1.66 | | | | 2.02 | | | |
| .23 | | | | .59 | 1 | | FGV | .95 | | | | 1.31 | | | | 1.67 | | | | 2.03 | | | |
| .24 | | | | .60 | 1 | | | .96 | | | | 1.32 | | | | 1.68 | | | | 2.04 | | | |
| .25 | | | | .61 | 3 | | | .97 | | | | 1.33 | | | | 1.69 | | | | 2.05 | | | |
| .26 | | | | .62 | 5 | | | .98 | | | | 1.34 | | | | 1.70 | | | | 2.06 | | | |
| .27 | | | | .63 | 2 | | | .99 | | | | 1.35 | | | | 1.71 | | | | 2.07 | | | |
| .28 | | | | .64 | | | | 1.00 | | | | 1.36 | | | | 1.72 | | | | 2.08 | | | |
| .29 | | | | .65 | 1 | | | 1.01 | | | | 1.37 | | | | 1.73 | | | | 2.09 | | | |
| .30 | | | | .66 | 1 | | | 1.02 | | | | 1.38 | | | | 1.74 | | | | 2.10 | | | |
| .31 | | | | .67 | | | | 1.03 | | | | 1.39 | | | | 1.75 | | | | 2.11 | | | |
| .32 | | | | .68 | 1 | | | 1.04 | | | | 1.40 | | | | 1.76 | | | | 2.12 | | | |
| .33 | | | | .69 | | | | 1.05 | | | | 1.41 | | | | 1.77 | | | | 2.13 | | | |
| .34 | | | | .70 | | | | 1.06 | | | | 1.42 | | | | 1.78 | | | | 2.14 | | | |
| .35 | | | | .71 | | | | 1.07 | | | | 1.43 | | | | 1.79 | | | | 2.15 | | | |
| .36 | | | | .72 | | | | 1.08 | | | | 1.44 | | | | 1.80 | | | | | | | |
| .37 | | | | .73 | | | | 1.09 | | | | 1.45 | | | | 1.81 | | | | | | | |
| .38 | | | | .74 | | | | 1.10 | | | | 1.46 | | | | 1.82 | | | | | | | |
| .39 | | | | .75 | | | | 1.11 | | | | 1.47 | | | | 1.83 | | | | | | | |
| .40 | | | | .76 | | | | 1.12 | | | | 1.48 | | | | 1.84 | | | | | | | |
| .41 | | | | .77 | | | | 1.13 | | | | 1.49 | | | | 1.85 | | | | | | | |
| .42 | | | | .78 | | | | 1.14 | | | | 1.50 | | | | 1.86 | | | | | | | |
| .43 | | | | .79 | | | | 1.15 | | | | 1.51 | | | | 1.87 | | | | | | | |
| .44 | | | | .80 | | | | 1.16 | | | | 1.52 | | | | 1.88 | | | | | | | |
| .45 | | | | .81 | | | | 1.17 | | | | 1.53 | | | | 1.89 | | | | | | | |

Organic matter Comp. (%)

| Exinite | Alginite |
|---|---|
| 0.3 | — |

| Vitrinite | Inertinite |
|---|---|
| 0.6 | 2.2 |

Kelraville Konsultants Pty Ltd.

# VITRINITE REFLECTANCE WORKSHEET

GAS & FUEL

WELL NAME. PINE LODGE-1 ..... SAMPLE NO. V3024 ..... DEPTH ..... 2091 ..... M ..... TYPE. SWC ....

FGV = First Generation Vitrinite  I = Inertinite

| Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .10 | | | | .46 | | | | .82 | | | | 1.18 | | | | 1.54 | | | | 1.90 | | | |
| .11 | | | | .47 | | | | .83 | | | | 1.19 | | | | 1.55 | | | | 1.91 | | | |
| .12 | | | | .48 | 1 | | | .84 | | | | 1.20 | | | | 1.56 | | | | 1.92 | | | |
| .13 | | | | .49 | | | | .85 | | | | 1.21 | | | | 1.57 | | | | 1.93 | | | |
| .14 | | | | .50 | | | | .86 | | | | 1.22 | | | | 1.58 | | | | 1.94 | | | |
| .15 | | | | .51 | | | | .87 | | | | 1.23 | | | | 1.59 | | | | 1.95 | | | |
| .16 | | | | .52 | | | | .88 | | | | 1.24 | | | | 1.60 | | | | 1.96 | | | |
| .17 | | | | .53 | | | | .89 | | | | 1.25 | | | | 1.61 | | | | 1.97 | | | |
| .18 | | | | .54 | 1 | | | .90 | | | | 1.26 | | | | 1.62 | | | | 1.98 | | | |
| .19 | | | | .55 | | | | .91 | | | | 1.27 | | | | 1.63 | | | | 1.99 | | | |
| .20 | | | | .56 | 2 | | | .92 | | | | 1.28 | | | | 1.64 | | | | 2.00 | | | |
| .21 | | | | .57 | | | | .93 | | | | 1.29 | | | | 1.65 | | | | 2.01 | | | |
| .22 | | | | .58 | 3 | | | .94 | | | | 1.30 | | | | 1.66 | | | | 2.02 | | | |
| .23 | | | | .59 | 2 | | | .95 | | | | 1.31 | | | | 1.67 | | | | 2.03 | | | |
| .24 | | | | .60 | 1 | | | .96 | | | | 1.32 | | | | 1.68 | | | | 2.04 | | | |
| .25 | | | | .61 | 1 | | | .97 | | | | 1.33 | | | | 1.69 | | | | 2.05 | | | |
| .26 | | | | .62 | 1 | | | .98 | | | | 1.34 | | | | 1.70 | | | | 2.06 | | | |
| .27 | | | | .63 | 1 | | FGV | .99 | | | | 1.35 | | | | 1.71 | | | | 2.07 | | | |
| .28 | | | | .64 | 4 | | | 1.00 | | | | 1.36 | | | | 1.72 | | | | 2.08 | | | |
| .29 | | | | .65 | 2 | | | 1.01 | | | | 1.37 | | | | 1.73 | | | | 2.09 | | | |
| .30 | | | | .66 | 2 | | | 1.02 | | | | 1.38 | | | | 1.74 | | | | 2.10 | | | |
| .31 | | | | .67 | 1 | | | 1.03 | | | | 1.39 | | | | 1.75 | | | | 2.11 | | | |
| .32 | | | | .68 | 2 | | | 1.04 | | | | 1.40 | | | | 1.76 | | | | 2.12 | | | |
| .33 | | | | .69 | 3 | | | 1.05 | | | | 1.41 | | | | 1.77 | | | | 2.13 | | | |
| .34 | | | | .70 | | | | 1.06 | | | | 1.42 | | | | 1.78 | | | | 2.14 | | | |
| .35 | | | | .71 | 1 | | | 1.07 | | | | 1.43 | | | | 1.79 | | | | 2.15 | | | |
| .36 | | | | .72 | | | | 1.08 | | | | 1.44 | | | | 1.80 | | | | | | | |
| .37 | | | | .73 | | | | 1.09 | | | | 1.45 | | | | 1.81 | | | | | | | |
| .38 | | | | .74 | | | | 1.10 | | | | 1.46 | | | | 1.82 | | | | | | | |
| .39 | | | | .75 | | | | 1.11 | | | | 1.47 | | | | 1.83 | | | | | | | |
| .40 | | | | .76 | | | | 1.12 | | | | 1.48 | | | | 1.84 | | | | | | | |
| .41 | | | | .77 | | | | 1.13 | | | | 1.49 | | | | 1.85 | | | | | | | |
| .42 | | | | .78 | | | | 1.14 | | | | 1.50 | | | | 1.86 | | | | | | | |
| .43 | | | | .79 | | | | 1.15 | | | | 1.51 | | | | 1.87 | | | | | | | |
| .44 | | | | .80 | | | | 1.16 | | | | 1.52 | | | | 1.88 | | | | | | | |
| .45 | | | | .81 | | | | 1.17 | | | | 1.53 | | | | 1.89 | | | | | | | |

Organic matter Comp.(%)

| Exinite | Alginite |
|---|---|
| 6.2 | — |

| Vitrinite | Inertinite |
|---|---|
| 1.0 | 1.6 |

Keiraville Konsultants Pty Ltd.

# VITRINITE REFLECTANCE WORKSHEET

GAS & FUEL

WELL NAME. PINE LODGE-1 SAMPLE NO. V3025 DEPTH. 2121.5 M TYPE. SWC

FGV = First Generation Vitrinite I = Inertinite

| Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .10 | | | | .46 | 3 | | | .82 | | | | 1.18 | | | | 1.54 | | | | 1.90 | | | |
| .11 | | | | .47 | 2 | | FGV | .83 | | | | 1.19 | | | | 1.55 | | | | 1.91 | | | |
| .12 | | | | .48 | 1 | | | .84 | | | | 1.20 | | | | 1.56 | | | | 1.92 | | | |
| .13 | | | | .49 | 4 | | | .85 | | | | 1.21 | | | | 1.57 | | | | 1.93 | | | |
| .14 | | | | .50 | 5 | | | .86 | | | | 1.22 | | | | 1.58 | | | | 1.94 | | | |
| .15 | | | | .51 | 2 | | | .87 | | | | 1.23 | | | | 1.59 | | | | 1.95 | | | |
| .16 | | | | .52 | | | | .88 | | | | 1.24 | | | | 1.60 | | | | 1.96 | | | |
| .17 | | | | .53 | 1 | | | .89 | | | | 1.25 | | | | 1.61 | | | | 1.97 | | | |
| .18 | | | | .54 | | | | .90 | | | | 1.26 | | | | 1.62 | | | | 1.98 | | | |
| .19 | | | | .55 | | | | .91 | | | | 1.27 | | | | 1.63 | | | | 1.99 | | | |
| .20 | | | | .56 | | | | .92 | | | | 1.28 | | | | 1.64 | | | | 2.00 | | | |
| .21 | | | | .57 | | | | .93 | | | | 1.29 | | | | 1.65 | | | | 2.01 | | | |
| .22 | | | | .58 | | | | .94 | | | | 1.30 | | | | 1.66 | | | | 2.02 | | | |
| .23 | | | | .59 | | | | .95 | | | | 1.31 | | | | 1.67 | | | | 2.03 | | | |
| .24 | | | | .60 | 1 | ↓ | | .96 | | | | 1.32 | | | | 1.68 | | | | 2.04 | | | |
| .25 | | | | .61 | | | | .97 | | | | 1.33 | | | | 1.69 | | | | 2.05 | | | |
| .26 | | | | .62 | | | | .98 | | | | 1.34 | | | | 1.70 | | | | 2.06 | | | |
| .27 | | | | .63 | | | | .99 | | | | 1.35 | | | | 1.71 | | | | 2.07 | | | |
| .28 | | | | .64 | | | | 1.00 | | | | 1.36 | | | | 1.72 | | | | 2.08 | | | |
| .29 | | | | .65 | | | | 1.01 | | | | 1.37 | | | | 1.73 | | | | 2.09 | | | |
| .30 | | | | .66 | | | | 1.02 | | | | 1.38 | | | | 1.74 | | | | 2.10 | | | |
| .31 | | | | .67 | | | | 1.03 | | | | 1.39 | | | | 1.75 | | | | 2.11 | | | |
| .32 | | | | .68 | | | | 1.04 | | | | 1.40 | | | | 1.76 | | | | 2.12 | | | |
| .33 | | | | .69 | | | | 1.05 | | | | 1.41 | | | | 1.77 | | | | 2.13 | | | |
| .34 | | | | .70 | | | | 1.06 | | | | 1.42 | | | | 1.78 | | | | 2.14 | | | |
| .35 | | | | .71 | | | | 1.07 | | | | 1.43 | | | | 1.79 | | | | 2.15 | | | |
| .36 | | | | .72 | | | | 1.08 | | | | 1.44 | | | | 1.80 | | | | | | | |
| .37 | | | | .73 | | | | 1.09 | | | | 1.45 | | | | 1.81 | | | | | | | |
| .38 | 9 | ↑ | | .74 | | | | 1.10 | | | | 1.46 | | | | 1.82 | | | | | | | |
| .39 | 2 | | | .75 | | | | 1.11 | | | | 1.47 | | | | 1.83 | | | | | | | |
| .40 | | | | .76 | | | | 1.12 | | | | 1.48 | | | | 1.84 | | | | | | | |
| .41 | 1 | | | .77 | | | | 1.13 | | | | 1.49 | | | | 1.85 | | | | | | | |
| .42 | 1 | | | .78 | | | | 1.14 | | | | 1.50 | | | | 1.86 | | | | | | | |
| .43 | | | | .79 | | | | 1.15 | | | | 1.51 | | | | 1.87 | | | | | | | |
| .44 | 9 | | | .80 | | | | 1.16 | | | | 1.52 | | | | 1.88 | | | | | | | |
| .45 | | | | .81 | | | | 1.17 | | | | 1.53 | | | | 1.89 | | | | | | | |

Organic matter Comp. (%)

| Exinite | Alginite |
|---|---|
| 60. | — |

| Vitrinite | Inertinite |
|---|---|
| 31 | 9 |

Kelraville Konsultants Pty Ltd.

# VITRINITE REFLECTANCE WORKSHEET

GAS & FUEL

WELL NAME. PINE LODGE-1 ..... SAMPLE NO. V3026 ... DEPTH ..... 2135 M ..... TYPE. SWC ....

FGV = First Generation Vitrinite  I = Inertinite

| Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | NO. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type | Ro % | No. Read | Pop Rnge | Pop Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .10 | | | | .46 | | | | .82 | | | | 1.18 | | | | 1.54 | | | | 1.90 | | | |
| .11 | | | | .47 | | | | .83 | | | | 1.19 | | | | 1.55 | | | | 1.91 | | | |
| .12 | | | | .48 | | | | .84 | | | | 1.20 | | | | 1.56 | | | | 1.92 | | | |
| .13 | | | | .49 | 1 | | | .85 | | | | 1.21 | | | | 1.57 | | | | 1.93 | | | |
| .14 | | | | .50 | 2 | | | .86 | | | | 1.22 | | | | 1.58 | | | | 1.94 | | | |
| .15 | | | | .51 | 2 | | | .87 | | | | 1.23 | | | | 1.59 | | | | 1.95 | | | |
| .16 | | | | .52 | 2 | | | .88 | | | | 1.24 | | | | 1.60 | | | | 1.96 | | | |
| .17 | | | | .53 | 1 | | | .89 | | | | 1.25 | | | | 1.61 | | | | 1.97 | | | |
| .18 | | | | .54 | 2 | | | .90 | | | | 1.26 | | | | 1.62 | | | | 1.98 | | | |
| .19 | | | | .55 | | | | .91 | | | | 1.27 | | | | 1.63 | | | | 1.99 | | | |
| .20 | | | | .56 | 1 | | | .92 | | | | 1.28 | | | | 1.64 | | | | 2.00 | | | |
| .21 | | | | .57 | 3 | | | .93 | | | | 1.29 | | | | 1.65 | | | | 2.01 | | | |
| .22 | | | | .58 | | | FGV | .94 | | | | 1.30 | | | | 1.66 | | | | 2.02 | | | |
| .23 | | | | .59 | 2 | | | .95 | | | | 1.31 | | | | 1.67 | | | | 2.03 | | | |
| .24 | | | | .60 | 1 | | | .96 | | | | 1.32 | | | | 1.68 | | | | 2.04 | | | |
| .25 | | | | .61 | 1 | | | .97 | | | | 1.33 | | | | 1.69 | | | | 2.05 | | | |
| .26 | | | | .62 | 1 | | | .98 | | | | 1.34 | | | | 1.70 | | | | 2.06 | | | |
| .27 | | | | .63 | 3 | | | .99 | | | | 1.35 | | | | 1.71 | | | | 2.07 | | | |
| .28 | | | | .64 | 2 | | | 1.00 | | | | 1.36 | | | | 1.72 | | | | 2.08 | | | |
| .29 | | | | .65 | | | | 1.01 | | | | 1.37 | | | | 1.73 | | | | 2.09 | | | |
| .30 | | | | .66 | 2 | | | 1.02 | | | | 1.38 | | | | 1.74 | | | | 2.10 | | | |
| .31 | | | | .67 | | | | 1.03 | | | | 1.39 | | | | 1.75 | | | | 2.11 | | | |
| .32 | | | | .68 | 1 | | | 1.04 | | | | 1.40 | | | | 1.76 | | | | 2.12 | | | |
| .33 | | | | .69 | | | | 1.05 | | | | 1.41 | | | | 1.77 | | | | 2.13 | | | |
| .34 | | | | .70 | | | | 1.06 | | | | 1.42 | | | | 1.78 | | | | 2.14 | | | |
| .35 | | | | .71 | | | | 1.07 | | | | 1.43 | | | | 1.79 | | | | 2.15 | | | |
| .36 | | | | .72 | | | | 1.08 | | | | 1.44 | | | | 1.80 | | | | | | | |
| .37 | | | | .73 | | | | 1.09 | | | | 1.45 | | | | 1.81 | | | | | | | |
| .38 | | | | .74 | | | | 1.10 | | | | 1.46 | | | | 1.82 | | | | | | | |
| .39 | | | | .75 | | | | 1.11 | | | | 1.47 | | | | 1.83 | | | | | | | |
| .40 | | | | .76 | | | | 1.12 | | | | 1.48 | | | | 1.84 | | | | | | | |
| .41 | | | | .77 | | | | 1.13 | | | | 1.49 | | | | 1.85 | | | | | | | |
| .42 | | | | .78 | | | | 1.14 | | | | 1.50 | | | | 1.86 | | | | | | | |
| .43 | | | | .79 | | | | 1.15 | | | | 1.51 | | | | 1.87 | | | | | | | |
| .44 | | | | .80 | | | | 1.16 | | | | 1.52 | | | | 1.88 | | | | | | | |
| .45 | | | | .81 | | | | 1.17 | | | | 1.53 | | | | 1.89 | | | | | | | |

Organic matter Comp.(%)

| Exinite | Alginite |
|---|---|
| 0.4 | — |

| Vitrinite | Inertinite |
|---|---|
| 1.8 | 0.6 |

Kelraville Konsultants Pty Ltd.