

CORE LABORATORIES

Company : RELIABLE ENERGY LTD.

Field : KIRKELLA

File No. : 52131-09-0077

Well : RELIABLE SOUTH KIRKELLA PROV. 6-10-11-29

Formation : BAKKEN

Date : 06-06-2009

Location : LSD 00/06-10-011-29 W1M/0

Coring Equip : DIAMOND

Analysts : DJB

Province : MANITOBA

Coring Fluid : WATER BASE MUD

Core Dia : 89 mm

CORE ANALYSIS RESULTS

| SAMPLE NUMBER | DEPTH m | INTVL REP m | PERMEABILITY | CAPACITY | POROSITY | CAPACITY | BULK | GRAIN | SATURATION | | DESCRIPTION |
|---|----------------|-------------------|-------------------------|---------------------------|----------------------|-----------------|------------------|------------------|------------------------------|---------------|----------------------|
| | | | (MAXIMUM) Kair mD | (MAXIMUM) Kair mD-m | (HELIUM) fraction | (HELIUM) ø-m | DENSITY kg/m3 | DENSITY kg/m3 | (PORE VOLUME) OIL frac | WATER frac | |
| CORE NO.1 838.40 - 850.40 m (CORE RECEIVED 11.75 m) (9 BOXES) | | | | | | | | | | | |
| - | 838.40- 839.05 | 0.65 | | | | | | | | | sh |
| - | 839.05- 840.56 | 1.51 | | | | | | | | | ss shy |
| PSP 1 | 840.56- 840.89 | 0.33 | 1.45 | 0.479 | 0.197 | 0.065 | 2210 | 2750 | TRACE | 0.675 | ss vf f dol carb pyr |
| NA | 840.89- 842.48 | 1.59 | | | | | | | | | ss sshy |
| PSP 2 | 842.48- 842.66 | 0.18 | 0.66 | 0.119 | 0.167 | 0.030 | 2280 | 2730 | 0.113 | 0.626 | ss vf f dol pyr |
| PSP 3 | 842.66- 842.79 | 0.13 | 0.70 | 0.091 | 0.167 | 0.022 | 2260 | 2710 | 0.178 | 0.529 | ss vf f dol pyr |
| PSP 4 | 842.79- 843.06 | 0.27 | 1.55 | 0.419 | 0.164 | 0.044 | 2320 | 2780 | 0.153 | 0.561 | ss vf f dol carb pyr |
| PSP 5 | 843.06- 843.41 | 0.35 | 0.39 | 0.136 | 0.156 | 0.055 | 2240 | 2660 | 0.242 | 0.525 | ss vf f dol pyr |
| PSP 6 | 843.41- 843.89 | 0.48 | 0.38 | 0.182 | 0.147 | 0.071 | 2290 | 2680 | 0.197 | 0.440 | ss vf f dol pyr |
| PSP 7 | 843.89- 844.01 | 0.12 | 17.3 | 2.076 | 0.179 | 0.021 | 2220 | 2710 | 0.201 | 0.522 | ss vf f dol pyr |
| PSP 8 | 844.01- 844.39 | 0.38 | 2.19 | 0.832 | 0.173 | 0.066 | 2270 | 2740 | 0.178 | 0.492 | ss vf f dol pyr |
| PSP 9 | 844.39- 844.64 | 0.25 | 1.04 | 0.260 | 0.181 | 0.045 | 2280 | 2780 | 0.119 | 0.508 | dol i stly sdy pyr |
| PSP 10 | 844.64- 844.78 | 0.14 | 1.23 | 0.172 | 0.131 | 0.018 | 2430 | 2790 | 0.117 | 0.340 | dol i stly sdy pyr |
| PSP 11 | 844.78- 845.14 | 0.36 | 3.72 | 1.339 | 0.150 | 0.054 | 2370 | 2790 | 0.073 | 0.522 | dol i stly sdy pyr |
| PSP 12 | 845.14- 845.29 | 0.15 | 1.98 | 0.297 | 0.156 | 0.023 | 2350 | 2790 | 0.101 | 0.493 | dol i stly sdy pyr |
| - | 845.29- 845.55 | 0.26 | | | | | | | | | sh |
| PSP 13 | 845.55- 845.77 | 0.22 | 8.34 | 1.835 | 0.200 | 0.044 | 2220 | 2770 | 0.177 | 0.405 | dol i stly sdy pyr |
| PSP 14 | 845.77- 846.12 | 0.35 | 0.72 | 0.252 | 0.195 | 0.068 | 2250 | 2790 | 0.000 | 0.764 | dol i stly sdy pyr |
| - | 846.12- 850.15 | 4.03 | | | | | | | | | sh sdy |

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|---------------|----------------|-------------------|---|---------------------------------------|----------------------------------|-----------------------------|--------------------------|---------------------------|-----------------------------|---------------|-------------|
| | | | | | | | | | OIL frac | WATER frac | |
| LC | 850.15- 850.40 | 0.25 | | | | | | | | | Lost core |