FORMATION EVALUATION LOG
WELL : PORT FAIRY-1

Origin energy

Geoservices logging

COMPANY	ORIGIN ENERGY/ ESSENTIAL PETROLEUM	SPUD DATE	10-01-2002 (0700)
RIG	MITCHELL-150	TD DATE	18-01-2002 (1830)
AREA	OTWAY BASIN, PEP-152	TD DRILLER	1550m
STATE/COUNTRY	VICTORIA/AUSTRALIA	TD WIRELINE	1521m
LOCATION (GDA 94)	38° 21' 38.40" S 142° 12" 49.03" E	LOGGED FROM	68m
GROUND LVL	7.7m	LOGGED TO	1521m
KB HEIGHT	12.1m	STATUS	CASED & SUSPENDED
DEPTH REF	DRILL FLOOR	RIG RELEASED	25-01-2002 (1200)

WELL CONFIGURATION

BIT SIZE (mm)	HOLE DEPTH (m)	CASING SIZE (mm)	CASING DEPTH (m)
445mm (17.5")	78m	340mm (13.375")	67.4m
311mm (12.25")	821m	244.5m (9.625")	812m
216mm (8.5")	1550m		

LOGGING ENGINEERS

STEVEN OADES
SCOTT HEALEY

DEPTH SCALE 1/ 200

SYMBOLS

- NEW BIT RUN
- NEW CORE BIT RUN
- CASING SHOE
- LINER HANGER
- DEVIATION SURVEY
- Recovered SIDEWALL CORES
- Not Recovered
- CORED INTERVAL
- DST INTERVAL

FLUORESCENCE: NO SHOW, WEAK SHOW, FAIR SHOW, GOOD SHOW

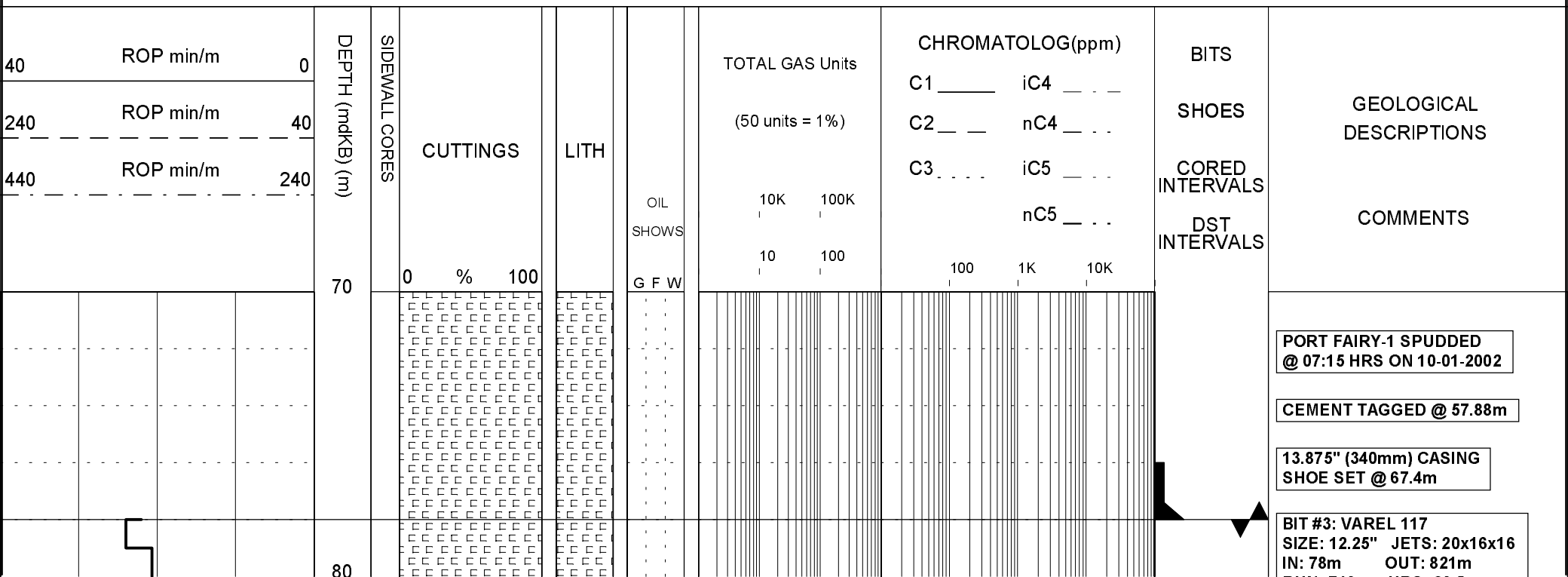
ABBREVIATIONS

NB	NEW BIT	DS	DIRECTIONAL SURVEY
NCB	NEW CORE BIT	WT	WIPER TRIP
RRB	RE-RUN BIT	POOH	PULL OUT OF HOLE
CS	CASING SHOE	RIH	RUN IN HOLE
SWC	SIDE WALL CORE	AZI	AZIMUTH
EL	ELECTRIC LOG	INC	INCLINATION
WOB	WEIGHT ON BIT	LCM	LOST CIRCULATION MATERIAL
REV	REVS PER MINUTE	DC	DEPTH CORRECTION
PP	PUMP PRESSURE	DST	DRILL STEM TEST
SPM	STROKES/MINUTE	RMG	REAMING
CR	CIRCULATED RETURNS	ML	MUD LOSSES
PR	POOR RETURNS	FR	FLOW RATE
NR	NO RETURNS	FC	FLOW CHECK
TG	TRIP GAS	BR	BIT RUN
CG	CONNECTION GAS	SG	SWAB GAS
WTG	WIPER TRIP GAS	U	UNITS OF GAS

MUD DATA

MW	MUD WEIGHT	lb/gal
MG	MUD GRADIENT	psi/kft
FV	FLUID VISCOSITY	s/qt
PV	PLASTIC VISCOSITY	Cp
YP	YIELD POINT	lb/cf2
GEL	GEL STRENGTH	lb/cf2
pH	ACIDITY	
F	FILTRATE	cm3/30
Ck	CAKE THICKNESS	in/32
S	SALINITY	kg/m3
SD	SAND CONTENT	%
O	OIL CONTENT	%
WL	WATER LOSS	cm3/30
Sol	SOLIDS CONTENT	%
Cl	CHLORIDES	
Ca	CALCIUM CONTENT	
GYP	GYPSUM CONTENT	lb/bbl

CLAYSTONE, SILTSTONE, CONGLOMERATE, COARSE SST, MEDIUM SST, FINE SANDSTONE, VF SANDSTONE, BRECCIA, LIMESTONE, DOLOMITIC LIMEST, DOLOMITE, COAL, GYPSUM, HALITE, CEMENT, CALCARENITE, TUFF, VOLCANIC ROCK, IGNEOUS ROCK, METAMORPHICS, FERRUGINOUS, FORAMINIFERA, BRYOZOA, FELDSPAR, CALCAREOUS, DOLOMITIC, CARBONACEOUS, CHERTY, GLAUCONITE, MICACEOUS, PYRITE, BROKEN FOSSILS, MICROFOSSILS, FOSSILS, CONCRETIONS, SIDERITE



RUN: 743m HRS: 23.5
COND: 2-2-WT-A-E-I-TD

90

WOB 0.4t
FLOW 280gpm

100

110

120

130

WOB 1.0t
FLOW 400gpm

140

NO GAS

NO GAS

CLAYSTONE:m gy,stky,v sft-washing out,amorph.

CLAYSTONE:m gy,stky,washing out-v sft,amorph.

CALCARENITE:lt gy,f gns,com mar foss,com glauc,sft-frm.

MARL:m-lt gy,v sft,stky,disp, v fossfiliferous i/p,tr pyr,tr glauc,amorph..

NO GAS

150

160

170

WOB 2.0t
FLOW 440gpm

10K 100K

NO GAS

10 100

180

190

200

SURVEY @ 148m: 1.00°

CALCARENITE:wh-lt gy,occ yel/ wh,f-crs,pr srt,foss frags,fri-frm,tr glauc.

MARL:m-lt gy,v sft,stky,disp, foss,tr pyr,tr glauc,amorph.

CALCAREOUS CLAYSTONE:m-lt gy, sft,stky,mnr fossils.

CALCARENITE:lt gy,fn,sft-frm, occ wl cmt,fri,foss,tr glauc.

MARL:m-lt gy,sft,slty,mnr foss,

WOB 2.2t
FLOW 430gpm

WOB 2.0t
FLOW 440gpm

210

220

230

240

250

260

NO GAS

NO GAS

10K 100K

10 100

NO GAS

vf calcarentitic.

CALCARENTITE:lt gy,sft/disp-frm, glauconitic,com sand size foss gns.

MARL:m-lt gy,sft,stky,occ pyr, mnr foss.

CALCARENITE:wh-gy,mott,f-crs, slty,foss.

MARL:lt gy,sft-disp,frm,com sand size foss gns,glauconitic.

CALCARENITE:pred lt gy,occ bn, vf-crs gns,g/t MARL i/p.

270

280

290

WOB 2.1t
FLOW 453gpm

300

310

320

NO GAS

10K 100K

10 100

MARL:lt gy-frm,foss,glauconitic

CLAYSTONE:m gy,sft,slghty-v calc
slty g/t calc calcisiltite.

CALCARENTITE:pred lt gy,occ bn,
vf-crs gns,g/t MARL i/p.

SURVEY @ 299m: 1.50°

CLAYSTONE:m gy,sft,sl-v calc,
slty g/t MARL.

CALCARENITE:pred lt gy,occ v pl
gy/bn,vf-crs,g/t calcisiltite,
clayey,abdt foss frags.

WOB 5.1t
FLOW 436gpm

330

340

350

360

10K 100K

10 100

WOB 6.2t
FLOW 428gpm

370

380

390

CALCARENITE: pred lt gy,occ v pl gy/bn,vf-crs,g/t Calcisltite & MARL,clayey,abdt foss frags.

CALCISILTITE:lt-m gy,foss g/t vf Calcarenite & MARL.

CALCARENITE: pred lt gy, occ v pl gy/bn, vf-crs, g/t MARL.

CALCARENITE:pred lt gy g/t lt gn/gy,vf gns,clayey,abdt foss, slty g/t Calcisiltite.

CALCISILTITE:lt-m gy,foss,g/t vf Calcarenite.

400

410

WOB 5.0t
FLOW 421gpm

420

430

440

450

10K 100K

10 100

CALCARENITE:off wh,vf gns,mod srt,lam,sft.

MARL:med gy, sft-frm, disp, glauc, g/t CALCARENITE

MARL:m gy,occ lt gy/gn,sft,disp g/t Calcisiltite.

CALCISILTITE:lt-m gy,foss,g/t vf Calcarenite.

SANDSTONE: clr-lt bn, yel bn, f-med qtz, sbang-sbrnd, dom lse, Fe stn, calcite cmt.

SURVEY @ 441m: 1.00°

SANDSTONE:mott,f-crs,pr srt,sa, disp calc arg mtx,com liths & carb frags,fri-sft,pr vis por, no fluor.

WOB 5.0t
FLOW 420gpm

460

470

480

490

500

WOB 5.0t
FLOW 431gpm

510

10K 100K

10 100

SANDSTONE:clr-trnsl, med-v crs, dom v crs, wl srt, sbang-sbrnd, comp grns, dk incl, tr disp arg mtx, tr carb lams, tr COAL, g/t SLTST i/p, no fluor.

SANDSTONE:clr-Fe stnd,gy/bn,f-v crs,sa-sr,lse gns,disp arg mtx pr inf por,no fluor.

SANDSTONE:trnsl-Fe stnd,f-v crs, sa-sr,pr srt,calcite cmt,disp arg mtx,lse gns,carb slty lam, pr inf por,no fluor.

SANDSTONE:clr-trnsl,m-v crs,wl srt,sa-sr,calcite cmt,disp arg mtx,lse gns,tr carb lam,mod pr inf por,no fluor.

SANDSTONE:clr, trnsl, med-v crs dom crs-v crs, mod wl srt, sbang-sbrnd, dom lse rr pyr cmt, tr Fe stns, tr COAL incl, gd vis & inf por, no fluor.

520

530

540

WOB 5.0t
FLOW 426gpm

550

560

WOB 6.1t
FLOW 417gpm

570

10K 100K

10 100

SANDSTONE:lt bn,f-crs,pred m,pr srt,sa-sr,tr lt bn arg mtx,lse gns,mod pr inf por,no fluor.

SANDSTONE:clr-trnsl,med-v crs, dom crs-v crs,mod wl srt,sbang-sbrnd,rr-tr pyr cmt,tr Fe stn, rr COAL,dom lse,no fluor.

SANDSTONE:clr,trnsl,med-v crs, mod srt,sbang-sbrnd,rr-tr pyr cmt,lse cln gns,no fluor.

SANDSTONE:lt bn-trnsl,f-crs,pred m,pr srt,ang-sr,tr slty mtx washing out,lse gns,tr carb spks pr inf por,no fluor.

580

590

600

610

WOB 6.4t
FLOW 420gpm

620

630

10K 100K

10 100

SANDSTONE:clr-frstd,med-v crs,
pred crs,mod wl srt,sbrnd,rr
COAL incl,no fluor.

SANDSTONE:lt bn-trnsl,f-crs,pred
m,pr srt,ang-sr,tr slty mtx
washing out,tr carb spks,lse gns
pr inf por,no fluor.

SANDSTONE:clr-trnsl,med-crs,dom
v crs,mod wl srt,sbang-sbrnd,rr-
tr pyr cmt,tr Fe stn,rr COAL,
dom lse,no fluor.

SANDSTONE:clr-wh,occ lt gy,crs-
v crs,wl srt,sa,lse polished gns
tr carb SLTST,pr inf por,no
fluor.

SANDSTONE:clr-trnsl,m-v crs gns,
quartzose,mod wl srt,sa,lse gns,
v sl-tr calc cmt,tr carb SLTST,

640

650

660

670

680

690

700

WOB 6.6t
FLOW 446gpm

WOB 6.0t
FLOW 403gpm

10K 100K

10 100

pr inf por,no fluor.

SANDSTONE:clr-trnsl,m-v crs,pred crs,mod wl srt,sa-sr,lse gns,tr pyr,pr inf por,no fluor.

SANDSTONE:frstd/bn-trnsl,crs-v crs,mod srt,sa-sr,tr slty mtx washing out,lse gns,tr carb spks fr inf por,no fluor.

SANDSTONE:clr-frstd,m-v crs,pred crs,pred crs,mod wl srt,sa-sr, lse cln gns,mod pr inf por,no fluor.

710

720

730

WOB 2.9t
FLOW 423gpm

740

750

760

10K 100K

10 100

SANDSTONE:clr-frstd,m-v crs,pred
crs,pred crs,mod wl srt,pred sr,
occ sa,lse gns,mod pr inf por,
no fluor.

SANDSTONE:clr, trnsl,wh,m-v crs,
sa-sr, pr-mod srt, tr pyr, tr
lt brn disp Cly mtx, tr carb
mat, gd vis & inf por, no fluor

SANDSTONE:trnsl-frstd,m-v crs,
mod pr srt,sa-sr,dom lse grns,
mnr lt brn disp Cly mtx, tr
carb mat, tr mica, tr Coal,
gd inf & vis por, no fluor.

SANDSTONE:clr-frstd,m-crs,pred
crs,mod wl srt,sa-sr,lse cln gns
mod-pr inf por,no fluor.

SANDSTONE:frstd-trnsl,m-crs,mod

770

780

790

800

810

820

WOB 5.1t
FLOW 433gpm

MW 9.25
FV 40
PV 8
YP 11
Gel 5
WL 18
CK:
pH 9.0
Sol 6.8
Cl 1k

WOB 3.4t
FLOW 433gpm

10K 100K

10 100

wl srt,sr,lse gns,fr inf por,no fluor.

SANDSTONE:clr-frstd,m-v crs,mod wl srt,sr,lse gns,fr inf por, no fluor.

SANDSTONE:clr-trnsl,m-crs,pred crs,mod wl srt,sa-sr,lse cln gns tr pyr,rr carb SLTST,pr inf por, no fluor.

SANDSTONE:clr-frstd,occ frstd/bn m-v crs,pred crs-v crs,mod wl srt,sr,lse gns,pr inf por,no fluor.

9.625" (244.5mm) CASING SHOE SET @ 812m

SURVEY @ 817m: 3.50°

SURVEY @ 820m: 3.50°

BIT #4: DBS PDC
SIZE: 8.5" JETS: 5x14
IN: 821m OUT: 1327m
RUN: 506m HRS: 28.5
COND: 1-1-1-A-X-I-P-R

830

840

850

MW 9.5
FV 43
PV 14
YP 17
Gel 4
WL 6.4
Ck <1
pH 9.0
Sol 6.4
Cl 26k

860

WOB 5.4t
FLOW 326gpm

870

880

10K 100K

10 100

TRACE GAS

3

4

LEAK OFF TEST @ 824m
RESULT: 13.5 EMW
LEAKED OFF @ 600 psi

DISPLACE HOLE TO KCL-PHPA MUD @ 824m

SILTSTONE:med gy-bn gy,aren,com arg,com micmic,com pyr,sft-frm, sbblky.

CLAYSTONE:lt-med gy,tr aren, tr nod pyr,sft,amorph.

SANDSTONE:clr-frstd,m-crs,v crs, mod srt,sa-sr,dom lse,com nod pyr.

SILTSTONE:gy/bn-mott bn/gn,aren, arg,abdt qtz gns,sft-frm, sbblky.

SANDSTONE:m gy/bn,m-v crs,pr srt sa-sr,wk slty cmt,tr lt bn arg mtx,glauc,tr pyr,lse gns,fri aggs,pr vis & inf por,no fluor.

CIRCULATE RETURNS @ 865m

SANDSTONE:(1)m gy/bn,vf-m,wl srt sa-sr,pred lse gns,tr glauc,tr pyr,pr vis & inf por,no fluor. (2)clr-mlky,crs,wl srt,sa,lse gns,tr glauc,tr pyr,fr inf por, no fluor.

DST #3:
860m-868m
MISRUN.
TOOL PLUGGED.

DST #4:
859m-868.9m
MISRUN.
PACKER RUPTURED.

CLAYSTONE:m-dk gy,vf qtz gns, sft-washing out,amorph.

CLAYSTONE:m-dk gy,vf qtz gns, sft-washing out,amorph.

CLAYSTONE:m-dk gy,vf qtz gns, sft-washing out,amorph.

WOB 5.5t
FLOW 317gpm

890

900

910

920

WOB 6.6t
FLOW 322gpm

930

940

10K 100K

10 100

NO GAS

SANDSTONE:clr-v lt gy,crs-v crs, wl srt,sa,wk slty cmt,lt gy arg mtx,pr vis por,no fluor.

CLAYSTONE:m-dk gy,tr aren,tr qtz gns,sft-washing out,amorph.

SANDSTONE:clr-frstd,m-crs,mod srt,sa-sr,wk slty cmt,lt gy/bn arg mtx,com lse gns,occ fri aggs pr vis por,no fluor.

SANDSTONE:clr-frstd,m-crs,pr srt sr,lse cln gns,tr pyr,fr inf por no fluor.

SANDSTONE:clr-frstd,m-crs,v crs i/p,mod-fr srt,sr,lse cln gns,tr pyr,fr inf por,no fluor.

CLAYSTONE:lt-m gy,tr aren,sft-washing out,amorph.

SILTSTONE:m-lt gy,aren,com arg, tr micmic,frm,sbblky.

950

960

970

WOB 5.8t
FLOW 320gpm

980

990

1000

1010

10K 100K

10 100

SANDSTONE:clr-frstd,m-crs,pr srt sr,lse cln gns,tr pyr,fr inf por no fluor.

CLAYSTONE:lt-m gy,tr aren,sft-washing out,amorph.

SANDSTONE:clr-frstd,m-v crs,fr srt,sr,lse gns,tr nod pyr,fr-gd inf por,no fluor.

SANDSTONE:clr-frstd,m-v crs,fr srt,sr,lse gns,com nod pyr,fr-gd inf por,no fluor.

SILTSTONE:m gy-bn/gy,aren,com arg,com micmic,com pyr,sft-frm, sbblky.

SANDSTONE:clr-trnsl,f-v crs,pr srt,sr,lse gns,v com pyr,tr carb spks,fr-gd inf por,no fluor.

SANDSTONE:clr-frstd,vf-v crs, pred m,v pr srt,sr,lse gns,com pyr,fr inf por,no fluor.

SANDSTONE:clr-frstd,vf-m,pred m, v pr srt,sr,lse gns,com pyr,pr-fr inf por,no fluor.

WOB 5.2t
FLOW 335gpm

1020

1030

1040

TRACE GAS

10K 100K

SILTSTONE:m gy,gy/bn i/p,arg,com aren,v com pyr,sft-frm,sbblky.

SANDSTONE:clr-frstd,vf-v crs,v pr srt,sr,sa i/p,com pyr,lse gns fr inf por,no fluor.

SANDSTONE:clr-frstd,crs-v crs, wl srt,sr-sa,com qtz gns,tr pyr, rr glauc,lse cln gns,fr inf por, no fluor.

SURVEY @ 1028m: 3.50°

SANDSTONE:clr-frstd,lt gy/bn,vf-v crs,pr srt,sr-sa,strg pyr cmt, lt gy/bn arg mtx,com pyr,tr glauc,com lse,fri aggs,fr inf por,no fluor.

WOB 6.2t
FLOW 332gpm

1050

1060

1070

TRACE GAS

10 100

TRACE GAS

SILTSTONE:m gy-m gy/bn,v com pyr arg g/t CLYST i/p,blky.

CLAYSTONE:lt-m gy,arg,tr aren g/t vf SLTST,sft,com washing out amorph,blky i/p.

SANDSTONE:clr-frstd,f-v crs,pr srt,sr-sa i/p,tr pyr cmt,lt gy/bn arg mtx,com pyr,tr glauc,pred lse gns,fri aggs,fr inf & mod pr vis por,no fluor.

SILTSTONE:m gy-m gy/bn,arg,com

TRACE GAS

1080

1090

WOB 5.6t
FLOW 324gpm

1100

10K 100K

10 100

1110

100% C1

1120

1130

WOB 6.3t
FLOW 323gpm

aren,com pyr,tr carb spks,sbblky

SANDSTONE:clr-frstd,gy i/p,f-m,
pred f,mod wl srt,sr,com pyr cmt
lt gy/bn arg mtx,com pyr,pred
lse gns,fri aggs,pr inf por,pr
vis por,no fluor.

SANDSTONE:clr-frstd,vf-v crs,
pred vf,wl srt,sr,wk pyr cmt,lt
gy/bn arg mtx,tr pyr,com qtz gns
pr vis por,no fluor.

CLAYSTONE:m gy-lt gy,aren i/p,
sft-frm,sbblky.

SANDSTONE:clr-frstd,vf-f,wl srt,
sr,tr wk pyr cmt,tr lt/bn arg
mtx,tr pyr,lse gns,fri aggs,pr
vis por,no fluor.

SILTSTONE:m gy,aren,pred arg,tr
glauc,frm-sft,sbblky.

SANDSTONE:clr-trnsl,lt gy i/p,
vf-f,crs qtz gns,sr-sa,wk sil
cmt,tr lt gy arg mtx,tr pyr,lse
gns,fri aggs,pr vis & inf por,
no fluor.

CARBIDE RUN @ 1130m
THEOR. STKS.: 3968
ACTUAL STKS.: 4013

1140

1150

1160

1170

1180

1190

WOB 3.1t
FLOW 300gpm

100 % C1

95 / 5

10K 100K

10 100

88 / 12

95 / 5

HOLE O.G.: 1.1 %

SILTSTONE:lt gy/bn,aren,com arg, tr pyr,tr glauc,frm-sft,sbblky.

SANDSTONE:clr-trnsl,lt gy i/p,vf -f i/p,crs qtz gns,sr-sa,wk sil cmt,tr lt gy arg mtx,tr pyr,lse gns,fri aggs,pr vis & inf por,no fluor.

SILTSTONE:lt gy/bn,aren,tr pyr, tr glauc,frm-sft,sbblky.

SANDSTONE:clr-trnsl,lt gy i/p, vf-f,crs qtz gns,sr-sa,wk sil cmt,tr lt gy arg mtx,tr pyr,lse gns,fri aggs,pr vis & inf por, no fluor.

SILTSTONE:m gy-gy/bn i/p,aren, com arg,tr glauc,tr pyr,frm-sft i/p,sbblky.

SANDSTONE:lt gy/bn,vf-m,pr srt, sa-sr,wk slty cmt,lt gy/bn arg mtx,com pyr,tr glauc,pr vis & inf por,no fluor.

SILTSTONE:v lt gy,vf aren,tr carb spks,tr pyr,frm-sft,sbblky

SANDSTONE:lt gy-lt gy/bn,vf-m, slty,pred lse gns,tr pyr,tr glauc,pr inf por,no fluor.

SILTSTONE:m gy,vf aren,tr pyr,tr

glauc,frm,sbblky.

1200

SILTSTONE:m gy/bn,aren g/t vf
SST i/p,tr pyr,tr glauc,sft,blky

SILTSTONE:lt-m gy/bn,aren g/t
vf SST i/p,tr pyr,tr glauc,sft,
blky.

WOB 7.0t
FLOW 323gpm

1210

98 / 2

SANDSTONE:lt gy-lt gy/bn,vf-m,
pr srt,sa-sr,wk slty cmt,tr lt
bn/gy arg mtx,lse gns,fri aggs,
glauconitic,pr vis & inf por,
no fluor.

1220

SILTSTONE:lt-m gy/bn,arg,aren
g/t vf SST i/p,tr glauc,sft,
sbblky.

10K 100K

SANDSTONE:gy/bn,vf-f g/t SLTST
i/p,mod srt,sa-sr,wk slty cmt,
tr lt bn arg mtx,com lse gns,
com fri aggs,glauc,pr vis & inf
por,no fluor.

1230

10 100

SILTSTONE:bn/gy,aren g/t vf SST
i/p,tr glauc,sft-frm,sbblky.

1240

SANDSTONE:lt gy-lt gy/bn,vf-m,
g/t SLTST i/p,mod-pr srt,sa-sr,
wk slty cmt,tr lt bn/gy arg mtx,
com lse gns,com fri aggs,tr
glauc,pr vis & inf por,no fluor

98 / 2

WOB 1.5t
FLOW 312gpm

1250

CLAYSTONE: m-dk gy,aren,micmic,
tr glauc, frm-sft,sbblky.

1260

1270

1280

1290

1300

1310

1320

WOB 5.9t
FLOW 309gpm

MW 9.65
FV 42
PV 14
YP 16
Gel 2
WL 6.5
Ck 1
pH 9.2

98 / 2

10K 100K

98 / 2 / Tr
10 100

93 / 5 / 2

SILTSTONE:m gy-gy/gn,tr glauc,
tr qtz gns,sft,blky.

CLAYSTONE:m bn/gy,slty,sft,
disp,occ stky,sbblky-amorph.

CLAYSTONE:m-dk gy,aren,micmic,
tr glauc,frm-sft,sbblky.

SILTSTONE:m gy-gy bn,arg g/t
CLYST,com glauc,tr qtz gns,
sft.

SILTSTONE:m gy-gy gn,arg,
g/t CLYST,com glauc,tr qtz
grns,sft,blky.

Sol 7.6
Cl 21k

WOB 6.4t
FLOW 304gpm

1330

1340

91 / 5 / 3 / 1

1350

93 / 4 / 2 / 1 / Tr

10K 100K

10 100

1360

90 / 6 / 3 / 1

WOB 8.0t
FLOW 290gpm

1370

88 / 6 / 4 / 2 / Tr

1380

CLAYSTONE:m-dk gy,aren,micmic, tr glauc,sbblky.

BIT #5: HUGHES GT-03
SIZE: 8.5" JETS: 3x13
IN: 1327m OUT: 1550m
RUN: 223m HRS: 11.5
COND: 2-2-WT-A-8-I-TD

SANDSTONE:trnsl-mlky,v crs-crs, wl srt,sr,lse qtz gns,tr glauc, tr carb spks,fr-gd inf por,no fluor.

CLAYSTONE:lt gy/gn,sft-frm, sbblky.

CIRCULATE RETURNS @ 1345m

SILTSTONE:lt-m gy/bn,v arg g/t CLYST i/p,frm-mod hd,sbblky-blky.

CIRCULATE RETURNS @ 1350m

SANDSTONE:trnsl-clr,occ gy/bn-frstd/bn,f-m,occ crs qtz gns,sa, v wk calc cmt,tr bn arg mtx,mod-pr vis por,no fluor.

CLAYSTONE:lt gy/gn,sft-frm,tr pyr,sbblky.

SILTSTONE:lt-med gy bn, v arg, g/t CLYST,frm-mod hd,sbblky.

CLAYSTONE:v lt gy,occ v pl blu/ gy/gn,sft,washing out,amorph.

1390

1400

1410

1420

1430

1440

MW 9.70
FV 48
PV 19
YP 23
Gel 5
WL 6.4
Ck 1.5
pH 9.0
Sol 8.2
Cl 21k

WOB 10.0t
FLOW 300gpm

86 / 6 / 4 / 3 / Tr

86 / 7 / 4 / 2

93 / 3 / 2 / 1 / Tr

10K 100K

10 100

94 / 3 / 2 / 1 / Tr

94 / 3 / 2 / 1 / Tr

2

1

DST #2:
1378m-1400m
MISRUN.
FAILED TO INFLATE.

SANDSTONE:lt gy,f-vf gr,pr srt,sa-sr,tr carb mat,tr feld, com lith,dom lse,com arg mtx, occ v wk calc cmt,tr biotite, tr ti aggs,fr inf&vis por, no fluor.

SILTSTONE:m bn/gy,aren g/t vf SST i/p,tr arg,sft,sbfiss-sbblky

SANDSTONE:lt gy,trnsl,f-vf, mod-pr srt,tr carb mat,tr feld, com lith,dom lse,mnr ti aggs, com arg mtx,occ v wk calc cmt, fr vis por, fr inf por, no fluor.

SILTSTONE:v lt gy,aren,arg,v sft,stky.

CLAYSTONE:pl gn gy,occ lt brn, sft,stky i/p,sbblky-amorph.

SILTSTONE:lt gy,lt gy bn,arg, g/t CLYST.

DST #1:
1429m-1451m
MISRUN.
TOOL PLUGGED.

CLAYSTONE:pl gn/gy,smooth,sndy

WOB 7.2t
FLOW 297gpm

1450

1460

1470

WOB 7.8t
FLOW 302gpm

1480

1490

1500

95 / 3 / 1 / 1 / Tr

10K 100K

95 / 3 / 1 / 1 / Tr

10 100

95 / 3 / 1 / 1

i/p,sbfiss.

SANDSTONE:lt gy,vf-f gr,mod srt,sa-sr,g/t SLTST i/p, dom lse,abdt arg mtx,occ v wk calc mtx,mnr ti aggs,tr biotite, tr felds,tr liths,tr carb mat, fr inf por,fr vis por,no fluor.

CLAYSTONE:pl blu/gy,sft,slty i/p sbfiss.

SILTSTONE:lt gy-gn/bn,aren,com arg,frm,tr qtz,tr liths,sbblky-sbfiss.

SANDSTONE:clr,trnsl,lt gy, vf-f gr,mod srt,sa-sr,g/t SLTST i/p,lse i/p,abdt arg mtx, com ti aggs,tr biotite,tr felds, tr liths,tr carb mat,pr-fr inf por,no fluor.

SILTSTONE:lt gy-gn/bn,aren,com arg,tr qtz gns,tr liths,sbblky-sbfiss.

1510

1520

1530

1540

1550

1560

WOB 7.4t
FLOW 294gpm

95 / 3 / 1 / 1 / T

10K 100K

10 100

95 / 3 / 1 / Tr

SANDSTONE:gy-clr/trnsl,vf-f,wl srt,ang-sr,slty,lse gns,pr inf por,no fluor.

SANDSTONE:gy,vf gns,wl srt,ang, abdt liths,sl-tr calc cmt,clayey mtx washing out,pred lse gns,pr inf por,no fluor.

SANDSTONE:gy,vf gns,wl srt,ang, abdt liths,sl-tr calc cmt,abdt clayey mtx g/t sndy CLYST,pred lse gns,tr fri aggs,pr vis & inf por,no fluor.

PORT FAIRY-1 REACHED TD @ 18:30 HRS ON 18-01-2002

LOGGERS DEPTH: 1521m
(COULD NOT REACH BOTTOM)
DRILLERS DEPTH: 1550m

LOGGING RUNS:
RUN #1: DLL-MSFL-LDL-CNL -SP-CAL-GR-NGT
RUN #2: SONIC-GR