LITHOLOGICAL DESCRIPTIONS
and
REMARKS

Depth (m) From: 2640 To: 2952

Scale 1:200

Halibut A-1A

CALCAREOUS CLAYSTONE:lt gry-lt

olv gry i/p,sli-mod calc,sli

slty lams,tr foram,tr dissem pyr

i/p,sft-pred frm,amor-sbblky,

sbifss-fiss i/p.

SANDSTONE(tr):yelsh gry,f-med,

mod srt,com strng sil cmt,mnr

dol & pyr cmt i/p,com arg mtx,hd

aggs,ti vis por,50% brt yelsh

wht min fluor.

SANDSTONE:clr-trnsl,m-v crs,qtz

grn,pred crs,mod srt,wk sil cmt,

sa-ang,wk sil cmt,pred lse,occ

mod hd agg,pr vis por,fr inf por

no fluor.

SILTSTONE:bnsh gy-olv gy,g/t

slty CLST,tr calc,tr-mnr dissem

vf carb mat,tr-rr micmic,frm-occ

mod hd,disp,amor-sbfiss.

SANDSTONE:clr-trnsl,m-v crs qtz

grn,pred crs,mod srt,wk sil cmt,

sa-ang,lse,occ mod hd agg,pr vis

por,fr inf por.

FLUOR:2705.0m-2730.0m;40%,mod bri,evn,blush wh fluor,slw diff dir cut,inst diff c/c,fnt thn r/r.

SANDSTONE:clr-trnsl,frst,pred f-

crs,v crs,mod pr srt,sa-sr,occ

sr-rnd,pyr cmt,cln-tr slty mtx,

lse,fr-pr inf por.

SILTSTONE:lt olv gry-bnsh gry,

non calc,30% CLYST,g/t SLTY

CLYST,tr micmic,tr vf carb mat,

tr coal microlams,sft-frm,sbblky

com wshng out.

SANDSTONE:trnsl,m-crs,pred crs-v

crs,pr srt,sa-a,com frac clasts,

tr wk sil cmt,tr arg/slty mtx,

lse grn,pr vis & inf por.

FLUOR:2730.0m-2781.0m;
Tr to 30%, a/a.

SILTSTONE:lt brnsh gry-pa yelsh

brn,non calc,30% cly,g/t SLTY

CLYST,tr micmic,tr dissem vf

carb mat,sft,amor-sbblky,com

wshng out.

POOH For Bit & BHA Change @ 2781.0m

SANDSTONE:clr-pred trnsl,pred m-

crs,occ v crs,mod srt,sa-a,

sbsph-sbelon,tr wk sil cmt,tr

arg/slty mtx,rr qtz ov/grths,lse

grn,fr vis & inf por.

FLUOR:2781.0m-2860.0m;20%-Tr, mod bri,evn,blush wh fluor,slw diff dir cut,inst diff c/c,fnt thn r/r.

SANDSTONE:gen a/a,pred crs,fr

vis & inf por.

SILTSTONE:med lt gry-pred lt

brnsh gry,15-20% cly,mnr

micmic & carb mat,non calc,frm,

sbfiss-fiss

SANDSTONE:pred trnsl,m-v crs,

pred crs,mod srt,sa-a,com frac

clasts,tr sil cmt,tr arg/slty

2836
(2409.9)
2840
(2411.8)
2844
(2413.7)
2848
(2415.6)
2852
(2417.4)
2856
(2419.2)
2860
(2421)
2864
(2422.8)
2868
(2424.6)
2872
(2426.5)
2876
(2428.3)
2880
(2430.1)
2884
WOB:3-6
RPM:100
MM RPM:180
SPP:3330
FLW:600
MW:9.80
FV:66
PV:22
YP:43
Gel:11/17
pH:9.0
Cl:37.5k
KCl:24.1ppb
23 / 8 / 23 / 43 / 3
Survey:2850.98mMD(2417.0mTVD)
62.46°incl 2.43°az
Survey:2879.95mMD(2430.0mTVD)
63.96°incl 2.62°az
26 / 8 / 21 / 42 / 3
mtx,lse grn,fr-gd inf & vis por
SANDSTONE:gen a/a,m-v crs,pred
crs,fr-gd inf por.
SANDSTONE:clr-pred trnsl grn,m-
v crs,pred crs-v crs,mod srt,sa-
a,com frac grn,tr sil cmt,tr-
arg/slty mtx,lse grn,fri,fr-gd
inf por.
FLUOR:2860.0m-2880.0m;Tr,dim-mod
bri,ptchy evn blu wh fluor,tr slw diff
dir cut,mod fst diff c/c,fnt thn r/r.
SANDSTONE:clr-pred trnsl grn,m-
v crs,pred crs-v crs,mod srt,sa-
a,com frac grans,tr sil cmt,tr

pyr cmt i/p,tr arg/slty mtx,lse

grn,fr-gd inf por.

SANDSTONE:clr-pred trnsl,m-v crs

pred crs,mod srt,sa-a,com frac

grans,tr sil & pyr cmt,tr arg/

slty mtx,lse grn,fr-gd inf por.

SANDSTONE:clr-pred trnsl grn,m-

grans,pred v crs,mod srt,rnd-sr,

sa i/p,com frac grans,tr sil &

pyr cmt,mnr qtz ov/grths,tr arg/

slty mtx,pred lse,mnr fri aggs,

fr-gd inf & vis por,no fluor.

CLAYSTONE:med lt gry-lt olv gry

MW:9.75
FV:58
PV:22
YP:40
Gel:9/14
pH:9.5
Cl:35.5k
KCl:24.9ppb
2936
(2453.4)
2940
(2455)
2944
(2456.7)
2948
(2458.3)
2952
(2459.9)
2956
50 / 17 / 18 / 15
66.14°incl 2.47°az
7.0" Production Liner @ 2944.5m MDRT
i/p,15% slt,tr calc i/p,tr
micmic,com stky,sft-amor,com
wshng out.
SILTSTONE:med lt gry-pred lt brn
brnsh gry,mod yelsh brn i/p,15%-
20% cly,tr micmic & f carb mat,
frm,sbfiss-fiss.
Halibut A-1A Reached TD @
2952.0m MDRT (2459.9m TVDRT)
@ 05:00 Hrs on 30-11-2003
Reeves Shuttled Conveyed
Memory Logs
Run #1:
MCG-MDN-MPD-MDL-MSS-MAI