



LITHOLOGICAL DESCRIPTIONS
 and
 REMARKS
 Depth From (m): 3120 To: 3273
 Scale: 1: 200
BLACKBACK A-1A

RATE OF PENETRATION
 metres/hour

DEPTH (m) (TVD)

CUTTINGS LITHOLOGY
 %

TOTAL GAS & CHROMATOGRAPH DATA
 C1 --- C2 --- C3 ---
 IC4 --- nC4 --- IC5 ---
 nC5 --- TG ---
 Total Gas in Units Chromatograph in Percent

DIRECT FLUOR
 OUT FLUOR

CALCIMETRY
 %
 CALCITE
 DOLOMITE

WOB: 10 kibs
RPM: 170
SFP: 4280 psi
Flow: 630 gpm

MW 10.6 ppg
FV 86
PV 36
YP 35
Gels 19/40
O/W 68.0/17.5

BIT #4, 9 7/8"
HC ARC425
TFA: 1.57 in²
In: 3172 m
Out: 3199.4 m
Hrs: 2.9
core bit
not graded

BIT #2RR4, 12 1/4"
Geo. M42PX
Jets: 7x20
In: 3199 m
Out: 3213 m
Hrs: 13.0
2-3-WT-N-X
4-CT-PR

BIT #5, 12 1/4"
Sec. ERA22D
Jets: 3x28, 1x20
In: 3213 m
Out: 3272 m
Hrs: 13.6
1-2-WT-G-2
1/16-NO-TD

WOB: 35 kibs
RPM: 120
SFP: 4190 psi
Flow: 846 gpm

MW 10.6 ppg
FV 81
PV 38
YP 32
Gels 19/39
O/W 67/17.5

9 5/8" CASING SHOE at 3161.99 m

WIRELINE LOGS
Depth = 3275 m
1. PEX(AIT)-DSI-HNGS
2. C SAT

TD BLACKBACK A-1A at 21:00 on 22-6-99

Calcimetry readings stopped at 3120 m

CONN. @ 3169 m
TORQ= 22K ft*lbs
P/U= 385 klbs
S/O= 265 klbs

Circulate samples up at 3166 m & 3172 m

CORE #1 3172-3199.4 m
CUT 27.4 m REC 100%

CONN. @ 3227 m
TORQ= 16K ft*lbs
P/U= 395 klbs
S/O= 260 klbs

20-6-99

21-6-99

22-6-99

28.29°incl
116.29°az

26.05°incl
116.45°az

25.52°incl
117.24°az

25.50°incl
117.00°az

25.43°incl
116.57°az