COMPENSATED SONIC GAMMA RAY CALIPER 1:500

LAKES OIL LIMITED
WELL SOUTH CARAMUT #1
FIELD WILDCAT
PROVINCE/COUNTRY VICTORIA
COUNTRY/STATE AUSTRALIA

LOGGING DATE	17 OCT 90		
RUN NUMBER	ONE	TWO	THREE
TD DRILLER	1.500		
TD LOGGER	1.500		
BOTTOM LOG INTERVAL	1.500		
TOP LOG INTERVAL	0.0		
CASING DRILLER	9.5/8 @ 0.0		
CASING LOGGER	9.5/8 @ 0.0		
BIT SIZE	8.1/2		
TYPE FLUID IN HOLE	WATER		
DENSITY	1.0		
VISCOSITY	0.0		
PH	0.0		
FLUID LOSS	0.0		
SOURCE OF SAMPLE	PIT		
RM @ MEASURED TEMP	0.0 @ 0.0		
RMF @ MEASURED TEMP	0.0 @ 0.0		
RMC @ MEASURED TEMP	0.0 @ 0.0		
SOURCE RMF & RMC	M		
RM @ BHT	0.0 @ 0.0		
MAX REC. TEMP.	0.0		
EQUIPMENT LOCATION	CAMP		
RECORDED BY	R. SMITH		
WITNESSED BY	N.A.		

BOREHOLE RECORD

BUN	BIT	FROM	TO
ONE	8.1/2 INS	CRC. NACE	T.D.

CASING RECORD

SIZE	WEIGHT	FROM	TO
9.5/8 INS	47.0LB/FT	SURFACE	CRC. SHOE

EQUIPMENT	RUN 1	RUN 2	RUN 3	RUN 4
LNU	008			

REMARKS

COMPENSATED SONIC GAMMA RAY CALIPER 1:500

WELL CORRELATES FOR 2.5M CORRELATION SONICS AT 213.5M.MRK

LATITUDE 32.20C.B.BCTL.LING 142.28' 44.7"

MEASURING WHEEL CALIBRATION 1.0:1000

SENSOR CONFIGURATION DATES: LOGGED ON.FIR.90 PROCESSED ..... PLOTTED ON.FIR.90

ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, ON THE BASIS OF OUR SERVICES, WARRANT THE ACCURACY OR PERFORMANCE, OR WE SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE ARISING FROM OPERATIONS BASED ON OUR INTERPRETATIONS. WE ARE LIKEWISE NOT LIABLE FOR ANY DECISIONS MADE OR SUGGESTIONS MADE BY US WHICH DAMAGE OR ADVERSELY AFFECT THE OPERATION, YIELD AND ECONOMICS OF ANY OIL AND GAS RESERVOIR. WE ARE ALSO NOT RESPONSIBLE FOR ANY DAMAGE BY ERROR AND ABSTENTION, AS WELL AS ANY ALBEIT REASONABLE ERROR IN INTERPRETATION.

AFTER SURVEY CALIBRATION

MICRO-LATERALOG CHECK
BEFORE(OHMM): 10.0 AFTER(OHMM): 10.0 — METERS SURVEY CHECK 12:00:0-90 18:00

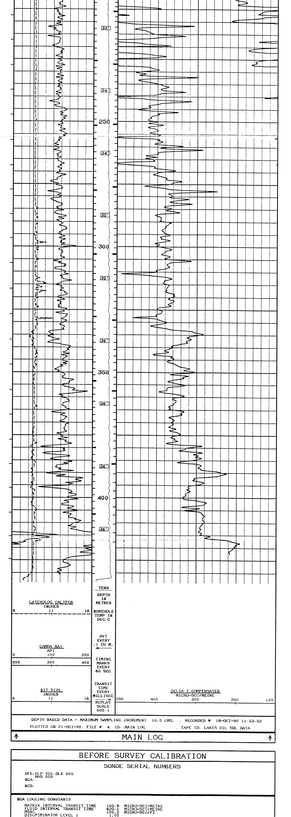
DUAL LATERALOG CHECK
SHALLOW(OHMM): BEFORE 12.0 AFTER 12.0 — DEEP(OHMM): BEFORE 42.0 AFTER 42.0 — METERS SURVEY CHECK 12:00:0-90 18:00 — ATTENUATION(DB/M): BEFORE 42.0 AFTER 42.0

GAMMA CALIBRATION — FIELD CALIBRATED ON 17-OCT-90 18:20
BACKGROUND (CPS): BEFORE (API): AFTER (API):
CALIBRATOR (API):

LATERALOG GALIPER CHECK — FIELD CALIBRATED ON 17-OCT-90 18:27
BEFORE (IN.): AFTER (IN.):
BIT: 8.1
PAD: 1

MAIN LOG

DEPTH RANGE DATA - MAXIMUM SAMPLING INCREMENT 10.0 CMS. RECORDED * 18-OCT-90 11:59:32
PLOTTED ON 21-OCT-90. FILE # 4. ID: MAIN LOG TAPE ID: LAKES OIL SDL DATA



DEPTH BASED DATA - MAXIMUM SAMPLING INCREMENT 10.0 CMS. RECORDED * 18-OCT-90 11:59:32
PLOTTED ON 21-OCT-90. FILE # 4. ID: MAIN LOG TAPE ID: LAKES OIL SDL DATA

MAIN LOG

BEFORE SURVEY CALIBRATION

SONDE SERIAL NUMBERS

DPS:SLF DIL DLE 000
MSC 000
BCS:
MCS:

BCS LOGGING CONSTANTS

MATRIX INTERVAL TRANSIT TIME	MICRO-SECONDS/FT
FLUID INTERVAL TRANSIT TIME	MICRO-SECONDS/FT
DT MATRIX	43.5
DT FLUID	189.0
DT/PORSITY INDEX	1.00
SONIC TRANSMITTER SPACING	1.0M
SONIC RECEIVER SPACING	0.5M

DPS LOGGING CONSTANTS

MODEL CONFIGURATION	LATERALOG
SONDE TYPE	1.5 INCH (MICRO.LOG:HNGL, MSFL & MLL)
SONDE CALIBRATED TO SP IN OM	SIMULATED
SP SONDE OFFSET	0.0
SP SONDE GAIN	1.0
TEMPERATURE REGISTER	0.0
MSC A FACTOR	0.0000 DR.
MSC B FACTOR	0.0000
MSC C FACTOR	0.0000
MSC D FACTOR	0.0000
MSC E FACTOR	0.0000

MICRO-LATERALOG CALIBRATION — BASE CALIBRATED ON 19-OCT-90 18:32

BEF.:	MEASURED:	CALIBRATED(OHMM):	
AFT.:	MEASURED:	CALIBRATED(OHMM):	

INTERNAL CALIBRATION AT BASE (OHMM)

INTERNAL FIELD CHECK (OHMM)

DUAL LATERALOG CALIBRATION — BASE CALIBRATED ON 19-OCT-90 18:31

BASE CALIBRATION (OHMM)

BEF.:	MEASURED:	SHALLOW CALIB.(OHMM):	DEEP CALIB.(OHMM):	MEDIUM CALIB.(OHMM):	
AFT.:	MEASURED:	SHALLOW CALIB.(OHMM):	DEEP CALIB.(OHMM):	MEDIUM CALIB.(OHMM):	

INTERNAL CALIBRATION AT BASE

	SHALLOW(OHMM):	DEEP(OHMM):	MEDIUM(OHMM):
INTERNAL FIELD CHECK			
	SHALLOW(OHMM):	DEEP(OHMM):	MEDIUM(OHMM):

SP CALIBRATION — FIELD CALIBRATED ON 20-SEP-90

BEF.:	MEASURED:	CALIBRATED (MV):	
AFT.:	MEASURED:	CALIBRATED (MV):	

GAMMA CALIBRATION — FIELD CALIBRATED ON 17-OCT-90 18:20

BACKGROUND	MEASURED:	CALIBRATED (API):	
CALIBRATOR (API):	1000	1000	
CALIBRATOR (API):	1000	1000	

LATERALOG GALIPER CALIBRATION — FIELD CALIBRATED ON 19-OCT-90 18:31

BOXES CALIBRATION				
PATTERNSTAR TEST (IN.):	8.125	10.000	12.000	14.000
	8.125	10.000	12.000	14.000
FIELD CALIBRATION	MEASURED (IN.):	CALIBRATED (IN.):		
	10.00	10.00		

COMPANY	LAKES OIL LIMITED
WELL	SOUTH CARAMUT #1
FIELD	WILDCAT
PROVINCE/COUNTRY	VICTORIA
COUNTRY/STATE	AUSTRALIA