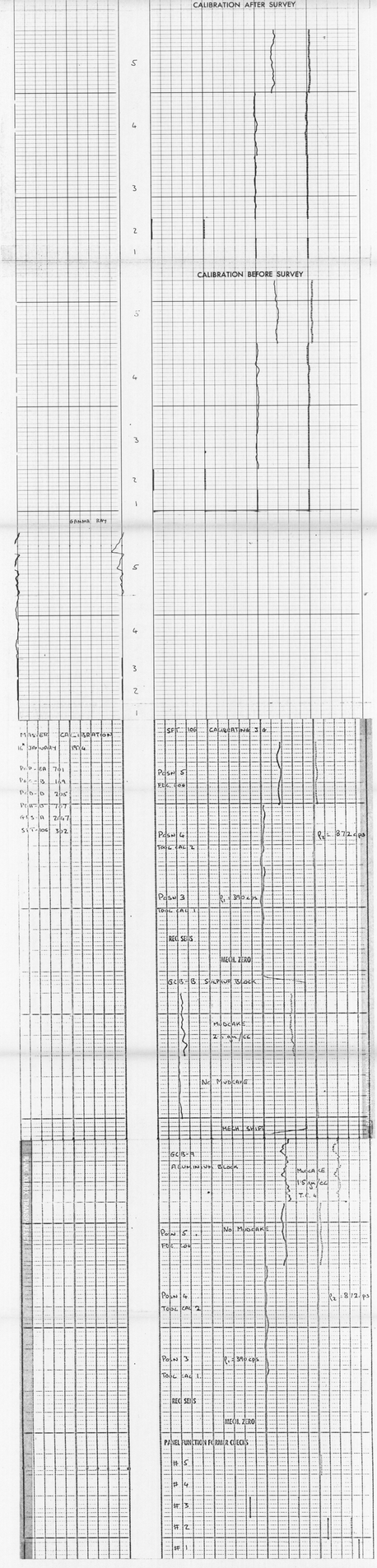

FDC CALIBRATION CODING

		FDC	
1.	. . . . .		MECHANICAL ZERO
2.	. . . . .		RECORDER SENS.
3.	. . . . .		TOOL CAL.#1 P_1=
4.	. . . . .		TOOL CAL.#2 P_2=
5.	. . . . .		LOG POS. ρ = 2.59 GM/CC
			Δρ = .015
6.	. . . . .	CALIPER	MECHANICAL ZERO
7.	. . . . .		8" RING.
8.	. . . . .		12" RING.
9.			
10.			

GR CALIBRATION CODING

1. MECHANICAL ZERO
1A. ELECTRICAL ZERO
2. RECORDER SENS.
3. MEMORISER SENS.
4. BACKGROUND
5. CALIBRATE - SOURCE IN PLACE.

CALIBRATION DATA

COMPANY HEMATITE PETROLEUM PTY LTD
WELL AR00 NO. 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA

Rm 0.76 @ 71 °F
BHT 281 °F

SCHL FR 11,932
SCHL TD 11,983
DRLR TD 11,978
Elev:
KB 32
DF 31
GL -250

5 cm

374139 OR-0339 Enclosure 16

SCHLUMBERGER

CASING COLLAR LOG AND PERFORATING RECORD

COUNTY AUSTRALIA
FIELD or LOCATION WILDCAT
WELL AROO NO. 1
COMPANY HEMATITE

COMPANY HEMATITE PETROLEUM PTY. LTD.
WELL AROO NO. 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA
Location: Sec. 39 47' 30.62" S, Twp. 145 26' 51.08" E, Rge.

Other Services:

Permanent Datum: M.S.L. Elev.: 0'
Log Measured From K.B. 32 Ft. Above Perm. Datum
Drilling Measured From K.B.

Elev.: K.B. 32'
D.F. 31'
G.L. -250'

Date	20/4/74
Depth — Driller	
Depth — Logger	
Run No.	ONE

DEPTHS BELOW RELATE TO: RADIOACTIVITY LOG MEASUREMENTS. ☐
: SCHLUMBERGER LINE MEASUREMENTS. ☒

CASING COLLARS		PERFORATING DATA			
	No. Shots	From	To	Gun Type	Gun Size
2644'	13	2679'	2676'	EXPENDABLE	2 1/8"
2603'					

BORE RECORD		CASING RECORD			
Hole Size	From	To	Size	Type	Weight	From	To
			13 3/8"		66	287	2912
			9 5/8"		47	G.L.	9635

HOLE FLUID TYPE	
Nature:	
P.S.I./1000:	
Viscosity:	
Fluid Level:	SURFACE

Opr. Rig Time:	21 HOURS
Truck No.	2060
Location:	SAL
Recorded By:	MANNINGTON
Witnessed By:	WHITE

FOLD HERE — The well name, location and borehole reference data were furnished by the customer.

REMARKS CCL-L 3.5 FT. ABOVE TOP SHOT

CASING COLLAR LOG AFTER PERFORATION	DEPTHS	CASING COLLAR LOG AFTER PERFORATION	RECORDING OF GUN POSITION AFTER PERFORATION
	2700		
	2700		
	2700		BEFORE

CASING COLLAR LOG AFTER PERFORATION	DEPTHS	CASING COLLAR LOG AFTER PERFORATION	RECORDING OF GUN POSITION AFTER PERFORATION

COMPANY HEMATITE PETROLEUM PTY. LTD.
WELL AROO NO. 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA

Rm @ °F

SCHL. TD
DRLR TD

Elev:
KB 32'
DF 31'
GL -250'

3711410

AK-0339

Schlumberger

Synergetic Log Systems

Computer Processed Interpretation

CORIBAND

Analysis of Complex Reservoirs

Using the following Tools

COMPANY: ESSO AUSTRALIA LTD

WELL: ROSS 1

FIELD: WILDCAT

COUNTRY: AUSTRALIA STATE: TASMANIA

DATE PROCESSED: JUNE 28, 74 JOB REFERENCE No. CPI-1067

LOCATION: 39° 07' 30.62" S, 145° 56' 51.08" E

ELEV. KB 32 DF 31 GL -250

FIELD NAME

The well name, location and borehole reference data were furnished by the customer.

This SYNERGETIC LOG presentation was computed using CORIBAND — Analysis of Complex Lithologies

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretation and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, cost, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 7 of our General Terms and Conditions as set out in our current Price Schedule.

Field Recording	Engineer: HANNINGTON	Location: SA	
Office Recording	Comp. Center: CLIC	Program No.: CORIBAND	Analyst: E. FORSTER
Mud Measurements	Rm: 0.76 @ 73 °F	Rmf: 0.52 @ 68 °F	BHT: 261 °F

COMPUTATION PARAMETERS

Depth Interval From	To	Rw	Rmf	Rcl	Δtcl	ØNcl	ρbcl	ρfl	T°
10053	10136	.23	.15	9.6		129.	2.65	1.0	239
10136	10060	.23	.15	13.		26.	2.66	1.0	236
10060	9650	.23	.157	12.		29.	2.65	1.0	232

Remarks: REGARD WITH DISCRETION THOSE RESULTS IN RUGOSE OR CAVED HOLE

Integrated Porosity or Hydrocarbons : Distance between pips is equal to 1 FT of 100 % porosity or hydrocarbons in place.

DEPTH (FT)

FORMATION CHARACTERISTICS
- Secondary Porosity: 0 % 25
- Average Grain Density: 2.5 gm/cc 3.0
- Integrated Porosity
- Integrated Hydrocarbons

WATER SATURATION: 100 % 0

POROSITY AND FLUIDS ANALYSIS BY VOLUME: 50 % 0

FORMATION ANALYSIS BY VOLUME: Hydrocarbon | Water | Clay | Matrix | Porosity; 0 % 100

DIFFERENTIAL CALIPER (Caliper — Bit Size): -4 0 inches 12

5 cm

9700
9800
9900
10000
10100
10200
10300
10400
10500

5 cm

Schlumberger

Synergetic Log Systems

Computer Processed Interpretation

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CORIBAND - Analysis of Complex Lithologies

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COMPUTATION PARAMETERS

Depth Interval	Rw	Rwa	Rxo	Cwb	Bfap	pfap	a/b	M
8700 - 8800	.027	1.0	5	-	1.0	0.125	1.00	2.00
8800 - 9000	.027	1.0	5	-	1.0	0.125	1.00	2.00
9000 - 9200	.027	1.0	5	-	1.0	0.125	1.00	2.00
9200 - 9300	.027	1.0	5	-	1.0	0.125	1.00	2.00

Remarks:

Integrated Porosity or Hydrocarbons Grosses between data is equal to 1.0 psi
Set 0 equals full scale

Secondary Porosity	Gas	Oil	Water
Average Grain Density			
Integrated Porosity			
Integrated Hydrocarbons			

DIFFERENTIAL CALIPER
(Hole - Bit Size)

$$\frac{\text{Hole} - \text{Bit Size}}{\text{Bit Size}} = \frac{\Delta \text{Hole}}{\text{Bit Size}}$$

1:200

Schlumberger

Synergetic Log Systems

Computer Processed Interpretation

Run No.	Date	Depth Driller	Depth Logger	Bottom Logged Interval	Top Logged Interval	Type Fluid in Hole	Salinity, PPM Cl	Density	Level	Max. Rec. Temp. Deg. F.	Equipment Number	Location
ONE	26	07	79									

Time Since Circulation:

Time Logger on Bottom:

Max. Rec. Temperature:

Equipment:

Recorded By:

Witnessed By:

This well name, license and location information was furnished by the customer

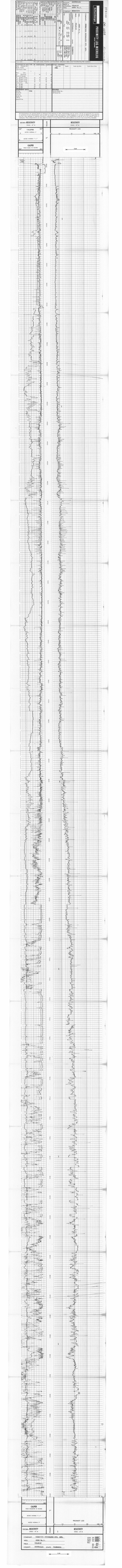
This **SYNERGETIC LOG** presentation was composed using

CORIBANO = Analysis of Complex Lithologies

All interpretations, we express, base our interpretive Opinions (which in the performance of our services, and not to guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs or damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers or employees. These interpretations are also subject to Clause 7 of our Standard Terms and Conditions as set out in our current Price Schedule.

Engineer	Logging Unit
Assisted By	Operating Time

Input Group Prefix	No.	Input	No.	Unit	Matrix	Value	Unit	Fluid	Value	Unit



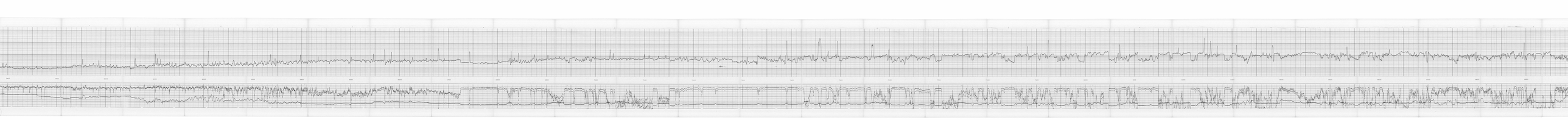
HALLIBURTON

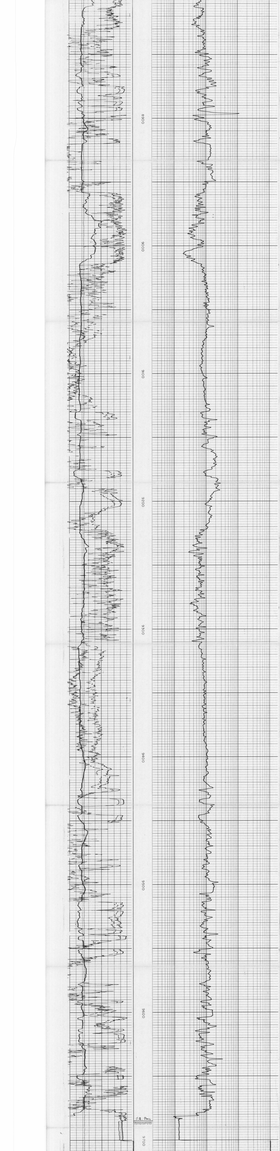
WIRELINE LOG HEADER

Company	CONOCOPHILLIPS
Well	SBHD 42
Field	SOUTH BEACH
County	HASKELL
State	TEXAS
Location	API # 42-207-32...
Permanent Datum	GROUND LEVEL
Elevation	1,600 FT
Log Measured From	KELLY BUSHING
Drilling Measured From	KELLY BUSHING
Date	10-Jan-2012
Run Number	ONE
Depth Driller	5,800 FT
Depth Logger	5,800 FT
Bottom Logged Interval	5,800 FT
Top Logged Interval	1,600 FT
Type Fluid in Hole	FRESH WATER
Salinity, PPM Cl	1,000
Density, LB/GAL	8.4
Viscosity, SEC	28
Fluid Loss, CC	8.0
Source of Sample	FLOWLINE
Rm @ Meas. Temp.	0.68 @ 70
Rmf @ Meas. Temp.	0.52 @ 70
Rmc @ Meas. Temp.	0.85 @ 70
Rm @ BHT	0.38 @ 120
Time Since Circ.	6 HRS
Max. Rec. Temp.	120
Equip. Location	3-3
Recorded By	J. SMITH
Witnessed By	M. JONES

Run	Service Order	Bit	From	To
ONE	1234567	7 7/8	1,600	5,800

Run	Tool	Serial No.	OD	Weight	Max Rec Temp	Equip. Location
ONE	GAMMA RAY	4521	3.625	28	120	3-3
	NEUTRON	4521	3.625	28	120	3-3
	DENSITY	4521	3.625	28	120	3-3
	RESISTIVITY	4521	3.625	28	120	3-3




CALIPER
HOLE DIAMETER IN INCHES
MICRO INVERSE 1" x 1"
MICRO NORMAL 2"
RESISTIVITY
OHMS - M²/M
PROXIMITY LOG
RESISTIVITY
OHMS - M²/M
COMPANY SERVICES PETROLEUM PTY. LTD.
WELL 1000 No.1.
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA
SON. 10. 9980
SON. TO. 20565
DAT. TO. 20565
CALIBRATION DATA
REPEAT SECTION
MAIN LOG
DOWN HOLE CALIBRATION AFTER SURVEY
DOWN HOLE CALIBRATION BEFORE SURVEY
Caliper
Mechanical 1pm
1000 Ohms CALIBRATION
1000 Ohm 1.5m spac
2 m.m Calibrate
CALIBRATION DATA
COMPANY SERVICES PETROLEUM PTY. LTD.
WELL 1000 No.1.
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA
SON. 10. 9980
SON. TO. 20565
DAT. TO. 20565
5 cm