

ENERGYLOG

LITHOLOGY SYMBOLS

SECONDARY MINERALS

COMPANY U. of U. Research Institute
 WELL "Ascension" No. 1
 FIELD South Atlantic Mid Ocean Ridge
 LOCATION Ascension Island
 7°57'06" S 14°22'30" W
 COUNTY STATE
 ELEVATION 573'(GL), 596'(KB)
 API WELL INDEX NO.
 SPUD DATE August 3, 1986 TIME 4:00PM
 TD DATE June 1, 1987 TIME 11:45PM
 TOTAL DEPTH: MD 10172' TVD 9612'
 BOTTOM HOLE LOC. N-495', W-2235'
 MUD DRILLING 50'-1760'
 AIR DRILLING Surface-50', 1760'-10172'
 AERATED DRILLING
 CO. GEOLOGIST Dennis Nielson
 CO. ENGINEER Otis Day
 CO. PUSHER
 ENERGYLOG UNIT Lanai
 LOGGING GEOLOGISTS Mark Jerpbak, Fred Pulka

MUD DATA
 w WEIGHT
 v VISCOSITY
 f FILTRATE
 fc FILTER CAKE
 sd SAND % VOL
 sol SOLIDS % VOL
 s SALINITY ppm Cl
 ca CALCIUM ppm
 T TEMPERATURE °F
 Rm RESISTIVITY OF MUD AT 75°F
 RI RESISTIVITY OF MUD FILTRATE AT 75°F

DRILLING DATA
 NB NEW BIT
 RRB RERUN BIT
 RTB RETIP BIT
 RBB REBUILT BIT

DRILLING DATA (cont)
 CB CORE BIT
 WOB WEIGHT ON BIT (lbs)
 RPM ROTARY REV/SMIN
 Pp PUMP PRESSURE (psi)
 SPM PUMP STROKES/MIN
 CFM CUBIC FT/MIN

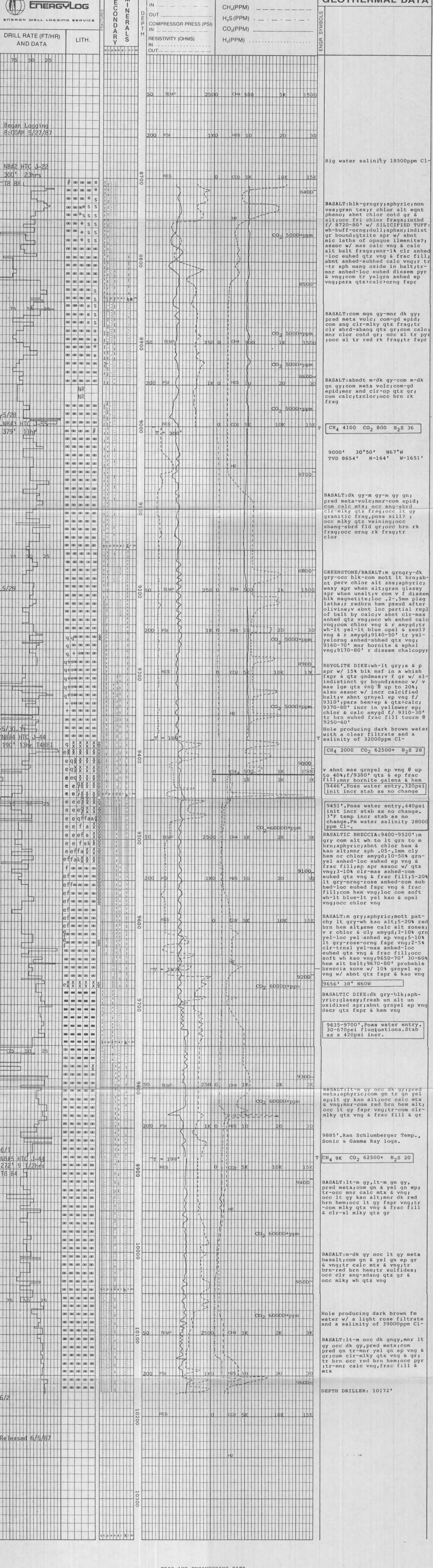
OTHER DATA
 TG TRIP GAS
 STG SHORT TRIP GAS
 SVG SURVEY GAS
 CG CONNECTION GAS
 CR CIRCULATED RETURNS
 NR NO RETURNS
 LAT LOGGED AFTER TRIP
 C CARBIDE TEST
 DST DRILL STEM TEST

ENGINEERING SYMBOLS
 L CASING POINT
 C CORED INTERVAL
 I DST INTERVAL
 L LOST CIRCULATION ZONE
 D DIRECTIONAL DRILLING
 P CEMENT PLUG
 T TRIP
 W WATER ENTRY
 V STEAM ENTRY
 V ORIFICE FLOW TEST
 LIVE OIL IN MUD OR CUTTINGS
 S SLIGHT TRACE
 ... TRACE
 ... FAIR
 ... GOOD
 ... EXCELLENT

WELL LOGGING SERVICE

HOLE SIZE		CASING SIZE		REMARKS
20"	TO 173'	16"	TO 167'	
14 3/4"	TO 1760'	11 3/4"	TO 1706'	
10 5/8"	TO 4605'	7 5/8"	TO 4548'	
6 3/4"	TO 10172'			
	TO			
	TO			

OIL based on live oil in unwashed cuttings, mud, and % staining of washed cuttings.
 GAS detector calibration records 100 units with a mixture of 2% (20,000 ppm) by volume methane in air.
 CHROMATOGRAPH values at parts per million (ppm).
 DEPTHS derived from drillers pipe measurements at kelly bushing.



TRIP AND ENGINEERING DATA

8706' (5/20-27). Bottom circulation after pumping approximately 520 barrels of sea water. Ran to bottom with a slick assembly. Reamed to bottom with a stiff assembly. Carbon Dioxide less than 2000ppm while drilling with sea water. Set a 150 sack cement plug from 7500-8706'. Tagged the top of the plug at 8297'. Unloaded hole with air. Carbon Dioxide out of range at greater than 5000ppm while circulating with air.

9000' (5/27-28). Blooey line temperature of 200°F two and a half hours after breaking off circulation. New bit number three. Unload hole from 5500'. Stack in hole a half hour in an undergauged hole. Ream 8690-9000'. Twenty three hours.

9380' (5/29-30). Change out bottom hole assembly except for drill collars. New bit number four. Unload hole from 5535'. Ream 9350-9380'. Nineteen hours.

9885' (5/30-6/1). Depth Schlumberger 9906'. New bit number five. Unload hole from 4548'. Ream 9854-9885'. Forty three and a half hours.