#89008

DEBORAH B DEBB 89-1

Knebel Mobile Bay+Miss. Snd.

May 2-4, 1989

SEISMIC LOG/NAV PRINTOUT [redacted]

104686

104686

F-8900892

U.S.G.S.
GEOPHYSICS
LOG

SHIP DEBORAH B

CRUISE NO. DEBB 89-1

DATE May 2-4, 1989

CHIEF SCIENTIST Harley Knebel

Personnel: Ronald Circé - BAMG - Geologist/Curator
Kenneth Parolski - BAMG - E. Tech.
Richard Hummell - GS Alabama - Geologist
Steven Parker - GSA - Geologist

SHIP/CRUISE NO./LEG DEB-89-1 TEST DAY
CHIEF SCIENTIST HJK

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
		890502				GEOPULSE
	0830				LORANC	"
	0912		switch		to 175j	on Geopulse
	0930					
	0932					
	0934					
	0945		change		hydrophone	- eel astern of
	0955		change		hydrophone	- Port Qtr phone
	0956		system		down	
	1015		system		up	
	1021					
	1035					
	1036					
	1107	EOL	TEST		1	
≈	1120	BUBBLE PULSER			in H_2O	w/ DATASONICS phone
	1303		START	DOWN	NAV	RKFOLL 6K
	1330		3.5 in H_2O			
	1340		NAV	UP	NORMAL START	
		USING	FOLLOWING		NSF's	w = 0.4
						y = 0.8
	1610	89/05/02				End seismic survey

AREA Mobile Bay

TIME ZONE CDT

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
	1/2sec line 1/8sec swp		500-5kHz			attempting to find best
			@ 105j			config for boomer ice
5	1/2sec line 1/8 swp		175j	700-3kHz		
	1/4 sec line 1/8 swp					
	500-1500 filter					
	boomer					
10						
	500-1.5kHz 1/2 sec swp			1/4 sec line		175j - port QTR PHone
	300-1.5kHz					
	300-2kHz					
	1/8 sec swp on Channel 1					- 600 PULSE SYST
15	finish test of Geopulse					- running on 12740 line - S→N
	running south on 12750 line					- BP only system on
	3.5kHz @ 1/8 sec swp					
20						
25						

SHIP/CRUISE NO./LEG DER 89-1

CHIEF SCIENTIST HJK

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
	1035	890503	115	2.9	LORAN C	GEOPULSE (CHAN 1) 3.5 (Chan 2)
SOL1	1041					
	1255	EG&G	Power	SUPPLY	on	100J
EOL1	1324	890503				
SOL2	1326	890503	304	3.7	LORAN C	Geopulse (chan 1) 3.5 (chan 2)
	1341	SPD	PICKED	UP		
	1351	CHNG	PULSE	WIDTH on 3.5kHz		to 0.5msec
EOL2	1410	SHUT	DOWN	ALL SYS	TO	Re-GAS Genny
SOL3	1431		240		LORAN C	same
	1500	89/05/03	240		LORAN C	GEOPULSE
EOL3	1645	"	"		"	"

AREA Mobile BAY

TIME ZONE CDT

SWP	GEOPULSE/3.5 PROGRAM / SCALE fine/swp	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
	1/2-1/8 / 1/8-1/16	300 2kHz		1		GEAR in H_2O-47105 line
						same filter, fine & swp settings
	ORE POWER SUPPLY DOWN -					CHANGING. EG: G@ 100J
	EOC1	@1324				
	1/2-1/8 / 1/8-1/16	500-2kHz			steam	W-12850
	1/2-1/8 / 1/8-1/16	500@2kHz			3.5@	0.2msec pulse
		300-2,000 HZ				C/Filter

SHIP/CRUISE NO./LEG DEB 89-1

CHIEF SCIENTIST HJK

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
SOL4	0930	890504	273	4.3	LORAN C	GEOPULSE & 3.5 kHz
	0951	START TAPE 2				
	1019	CHANGE Power increased				to 200 joules
EOL4	1222	End Line 4				
	1512	Arrive at Sea Lab Dock				

CHAN 1 = 3.5kHz
CHAN 2 = GEOPULSE

AREA Mississippi Sound
TIME ZONE CDT

SWP	CHAN 1 PROGRAM fine/swp	CHAN 2 / SCALE fine/swp	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
1	1/8-1/16	1/2-1/8	300-3kHz	GEOPULSE@		100 joule	CHAN 1 = 3.5 ; CHAN 2 = GEOPULSE
5							
10							
15							
20							
25							
30							