



United States Department of the Interior

GEOLOGICAL SURVEY
San Juan, Puerto Rico

13 September 1983

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83007

CRUISE REPORT 83-2

LOCATION: Northeast coast of Dominican Republic including Bahia de Samana.

DATES: 21 August - 7 September 1983

OBJECTIVES: Identify heavy mineral deposits and shallow gas on the insular shelf of northeastern Dominican Republic

VESSELS: Research Vessel Jean A

PERSONNEL: Rafael W. Rodriguez - Chief Scientist, USGS
Terry Edgar, USGS
Dave Nichols, USGS
Dave Bush, Duke University, USGS
Jose Muniz, DNR
Nelson Espinell, DNR
Juan L. Trias, USGS
Lucy Cruz, DNR

EQUIPMENT: A) Seismics
- Uniboom
- 3.5

B) Sampling
- Shipeck
- piston-corer
- vibra-corer

CRUISE SCHEDULE:

<u>DATE</u>	<u>PLACE</u>
August 21, 1000 hr- Aug. 22, 1000 hr.	San Juan - Samana
Aug. 22 - Sept. 1, 0600 hr.	Samana
Sept. 1	Puerto Escondido (anchor)
Sept. 1 - 2	Punta Arenas (anchor)
Sept. 2 - 3	Punta Arenas (anchor)
Sept. 3 - 4	Punta Cana (anchor)
Sept. 5	Samana
Sept. 6, 0700 - Sept. 7, 0700	Samana, San Juan

RESULTS & COMMENTS:

1. Seismic data indicated the presence of shallow gas near the western end of Bahia de Samana. Dominican geologists later told us gas had been discovered onshore near the area surveyed.
2. Mud diapirs are a common feature in the sediments underlying the western port of Samana Bay.
3. The bay is bounded in the north and south by faults extending parallel to the coasts.

cc:

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Files