Introduction

Oceaneering Survey was commissioned by Corpus Christi Oil & Gas to conduct a sonar scan of the sea bottom around the Well #1 in South Timbalier 48 prior to the Keyes 250 rig move from the location. The sonar scan search of the sea bottom was to cover an area of a 150' radius from the well casing.

Methodology

On January 20, 1989 a two man team with a UDI AS360 Scanning Sonar was transported to the Keyes 250 rig in South Timbalier, Block 48. Upon arrival at the rig the unit was set up below the drill floor (see diagram 3.1) and immediately conducted tests on the system prior to deploying the sonar scan head.

The winds were out of the northeast and gusting to 30 mph. The current was also out of the northeast. The first deployment was from point A, adjacent to the casing. Due to the strength of the current the side scan sonar head drifted to point 1A on the sea bottom, and was set on a tripod mount 3.5' high. The initial range setting was 100m while the orientation of the scan head to the rig was determined.

After scanning at point 1 the head was deployed off the starboard bow of the rig at point B. Again wind and current carried the scanning head with tripod to point 1B on the bottom. The point was good enough to cover all acoustically shadowed areas from point #1. After scanning at this point the sector scan was recovered and broken down for shipment.

Equipment

The survey was performed utilizing the UDI AS360 Scanning Sonar System consisting of:

- Underwater Scanning Head
- Surface Control Unit
- 290' Underwater Cable
- Deployment Assembly
- Video Cassette Recorder
**Job Summary**

0500  Pick up sector scan; enroute to Fourchon.
1030  Pick up VCR at Bayou Vista; enroute to Fourchon.
1310  Arrive Fourchon; load gear on crew boat.
1430  Arrive Keyes 250 and mobilize sector scan.
1630  Scanning at location #1.
1700  Recover unit.
1715  Scanning at location #2.
1800  Recover unit, demob.
1900  Load gear on work boat.

**Conclusion**

No debris of any significance was indicated in repeated scans of the locations indicated. Consequently, there is no indication of significant debris within 150' radius of the abandoned well location.

Water depth in South Timbalier Block 48 is 60'.

**Personnel**

D. Pope  Project Supervisor
D. Delcambre  Survey Technician

**Signed:**

[D. Pope, Sr. Surveyor  Oceaneering International, Inc.]
CORPUS CHRISTI OIL & GAS
SOUTH TIMBALIER AREA
BLOCK 48:

JOB DESCRIPTION
Sonar scan of sea floor around abandoned wall
RIG: KEYES 250

JOB No. Scale Date
H-272 01/20/89

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LEGEND

AREA TO BE SURVEYED

AREA SURVEYED

JOB DESCRIPTION

Sonar scan of sea floor around abandoned well
RIG: KEYES 250

CORPUS CHRISTI OIL & GAS

SOUTH TIMBALIER AREA.
BLOCK 48:

JOB No. Scale Date
H-272 1 to 1000 01/20/89

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