

SCIENTIFIC DRILLING INTERNATIONAL  
MIDLAND, TEXAS

JOB NUMBER: 132M0488031

DATE: 04/17/88

## INRUN SURVEY

BY

## THE RADIUS OF CURVATURE

| MEAS.<br>DEPTH | VERT.<br>DEPTH | VERT.<br>SECT. | COURSE<br>DEV. | INC<br>D M | BEARING<br>D M | COORDINATES<br>LATITUDE DEPARTURE | D-LEG<br>PER 100 |
|----------------|----------------|----------------|----------------|------------|----------------|-----------------------------------|------------------|
| 2802.00        | 2774.34        | 217.43         | 26.41          | 16-30      | N 86- 0 E      | 13.77 N 218.35 E                  | .00              |
| 2895.00        | 2863.45        | 243.89         | 26.61          | 16-45      | N 86- 0 E      | 15.63 N 244.90 E                  | .27              |
| 2988.00        | 2952.56        | 270.38         | 26.61          | 16-30      | N 85- 0 E      | 17.71 N 271.42 E                  | .41              |
| 3081.00        | 3041.90        | 296.06         | 26.83          | 15-45      | N 87- 0 E      | 19.52 N 297.19 E                  | 1.00             |
| 3174.00        | 3131.41        | 321.12         | 26.24          | 15-45      | N 87- 0 E      | 20.84 N 322.40 E                  | .00              |
| 3267.00        | 3220.97        | 345.95         | 26.05          | 15-30      | N 88- 0 E      | 21.93 N 347.42 E                  | .40              |
| 3360.00        | 3310.64        | 370.40         | 24.66          | 15-15      | N 87- 0 E      | 23.01 N 372.06 E                  | .39              |
| 3453.00        | 3400.53        | 394.16         | 23.87          | 14-30      | N 84- 0 E      | 24.88 N 395.85 E                  | 1.16             |
| 3546.00        | 3490.76        | 416.55         | 22.50          | 13-30      | N 87- 0 E      | 26.64 N 418.28 E                  | 1.33             |
| 3639.00        | 3581.29        | 437.63         | 21.32          | 13- 0      | N 90- 0 E      | 27.20 N 439.59 E                  | .91              |
| 3732.00        | 3671.86        | 458.36         | 21.12          | 13-15      | S 88- 0 E      | 26.83 N 460.70 E                  | .56              |
| 3825.00        | 3762.43        | 479.06         | 21.12          | 13- 0      | S 89- 0 E      | 26.28 N 481.81 E                  | .36              |
| 3918.00        | 3853.04        | 499.63         | 20.92          | 13- 0      | N 90- 0 E      | 26.10 N 502.73 E                  | .24              |
| 4011.00        | 3943.66        | 520.34         | 20.92          | 13- 0      | N 86- 0 E      | 26.83 N 523.63 E                  | .97              |
| 4104.00        | 4034.28        | 541.10         | 20.92          | 13- 0      | N 88- 0 E      | 27.92 N 544.53 E                  | .48              |