

SCIENTIFIC DRILLING INT'L.  
MIDLAND, TEXAS

JOB NUMBER: 132G0388014

DATE: 03/21/88

## INRUN SURVEY

BY

## THE RADIUS OF CURVATURE

| MTAS.<br>DEPTH | VERT.<br>DEPTH | VERT.<br>SECT. | COURSE<br>DEG. | INC<br>D M | BEARING<br>D N | COORDINATES<br>LATITUDE DEPARTURE | D-LEG<br>PER 100 |
|----------------|----------------|----------------|----------------|------------|----------------|-----------------------------------|------------------|
| 5996.00        | 5984.06        | 103.73         | 20.35          | 12-30      | N 13- 0 E      | 114.29 N 69.65 W                  | .23              |
| 6069.00        | 6073.97        | 127.26         | 23.67          | 17- 0      | N 15- 0 E      | 137.26 N 63.92 W                  | 4.87             |
| 6183.00        | 6162.97        | 157.03         | 30.21          | 20-30      | N 20- 0 E      | 166.06 N 54.84 W                  | 4.09             |
| 6276.00        | 6248.87        | 192.05         | 35.58          | 24-30      | N 16- 0 E      | 199.89 N 43.85 W                  | 4.60             |
| 6370.00        | 6334.75        | 229.94         | 38.23          | 23-30      | N 15- 0 E      | 236.74 N 33.63 W                  | 1.15             |
| 6463.00        | 6420.51        | 265.54         | 35.96          | 27- 0      | N 17- 0 E      | 271.30 N 23.72 W                  | 1.81             |
| 6557.00        | 6507.96        | 299.55         | 34.45          | 21- 0      | N 17- 0 E      | 304.25 N 13.64 W                  | 1.06             |
| 6651.00        | 6596.15        | 331.67         | 32.53          | 19-30      | N 17- 0 E      | 335.36 N 4.13 W                   | 1.60             |
| 6744.00        | 6683.95        | 362.08         | 30.66          | 19- 0      | N 13- 0 E      | 364.97 N 3.80 E                   | 1.52             |
| 6838.00        | 6772.96        | 392.20         | 30.22          | 18-30      | N 12- 0 E      | 394.47 N 10.34 E                  | .63              |
| 6931.00        | 6860.49        | 423.59         | 31.42          | 21- 0      | N 8- 0 E       | 425.41 N 15.80 E                  | 3.05             |
| 7025.00        | 6947.94        | 458.04         | 34.45          | 22- 0      | N 6- 0 E       | 459.60 N 19.99 E                  | 1.32             |
| 7118.00        | 7033.38        | 494.70         | 36.71          | 24-30      | N 4- 0 E       | 496.17 N 23.19 E                  | 2.82             |
| 7212.00        | 7118.92        | 533.59         | 38.98          | 24-30      | N 4- 0 E       | 535.06 N 25.91 E                  | .00              |
| 7305.00        | 7203.38        | 572.39         | 38.94          | 25- 0      | N 2- 0 E       | 573.94 N 27.95 E                  | 1.05             |

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