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YATES PETROLEUM CORPORATION  
GAZELLE FEDERAL COMB NO. 1  
LT-S3195

AUG 17 1 48 PM '90

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| MEASURED | INCL. | HOLE      | CORRESE | VERTICAL | RECTANGULAR | CLOSURE    | REVERSE   | PRO-LEG            |          |
|----------|-------|-----------|---------|----------|-------------|------------|-----------|--------------------|----------|
| DEPTH    | ANGLE | DIRECTION | LENGTH  | DEPTH    | SECTION     | COORDINATE | DISTANCE  | DIRECTION          | SEVERITY |
| FEET     | DEGS. | DEGS.     | FEET    | FEET     | FEET        | N/E        | FEET      | DEGS.              | DE/100FT |
| 073.00   | 1.00  | S 35.00 E | 91.00   | 11149.38 | 2292.05     | 1159.24 S  | 1965.97 E | 2292.45' S 59.47 E | .55      |
| 11765.00 | 1.00  | S 29.00 E | 92.00   | 11241.37 | 2293.49     | 1160.50 S  | 1966.82 E | 2293.87' S 59.45 E | .11      |
| 11956.00 | 1.25  | S 35.00 E | 91.00   | 11332.35 | 2285.07     | 1162.41 S  | 1967.77 E | 2295.46' S 57.43 E | .30      |
| 11945.00 | 1.25  | S 36.00 E | 92.00   | 11424.36 | 2286.94     | 1164.84 S  | 1968.94 E | 2287.29' S 59.41 E | .02      |
| 12041.00 | 1.50  | S 48.00 E | 92.00   | 11516.38 | 2289.01     | 1165.79 S  | 1971.30 E | 2289.35' S 59.39 E | .29      |
| 12131.00 | 1.25  | S 41.00 E | 91.00   | 11606.97 | 2291.09     | 1167.44 S  | 1972.71 E | 2291.41' S 59.37 E | .28      |
| 12223.00 | 1.00  | S 45.00 E | 92.00   | 11698.44 | 2292.55     | 1168.77 S  | 1972.95 E | 2293.15' S 59.36 E | .28      |
| 12314.00 | 1.00  | S 49.00 E | 91.00   | 11789.34 | 2294.38     | 1169.55 S  | 1974.11 E | 2294.78' S 59.35 E | .98      |
| 12406.00 | 1.25  | S 46.00 E | 92.00   | 11881.32 | 2296.18     | 1171.42 S  | 1975.44 E | 2296.47' S 59.34 E | .28      |
| 12467.00 | 1.00  | S 50.00 E | 61.00   | 11942.31 | 2297.33     | 1172.47 S  | 1976.33 E | 2297.64' S 59.33 E | .43      |
| 12529.00 | 1.00  | S 50.00 E | 52.00   | 11995.90 | 2298.25     | 1172.46 S  | 1977.04 E | 2298.55' S 59.33 E | 0.00     |

PROJECTED TO 12529' MD USING PREVIOUS STATION DATA  
CLOSURE DISTANCE = 2298.55 FEET.  
CLOSURE DIRECTION = S 59.33 E