

GEOSSERVICES ON-LINE TDC BIT RUN INITIALIZATION

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\* 24/ 8/02 CAPE CORRELL # 1  
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\* BIT # 31 SEQ NDR: 6 \*  
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\* STARTING DEPTH 10055.10 FEET \*

\* BIT DATA SIZE 8.50 \*  
\* ----- INSERT SMITH F3 \*  
\* NOZZLES 13 13 13 @ 95 % EFFICIENCY \*

| * DRILL STRING*<br>* SECTION * | TYPE           | * NDR * | * LENGTH *<br>* FEET * | * ID *<br>* INCHES * | OD   | * NOMINAL LINEAR *<br>* WEIGHT (LB/F) * |
|--------------------------------|----------------|---------|------------------------|----------------------|------|---|
| * 1                            | * DRILL PIPE   | * 109 * | * 30.00 *              | * 3.50               | 5.00 | * 23.24 *                               |
| * 2                            | * DRILL PIPE   | * 217 * | * 30.00 *              | * 3.50               | 5.00 | * 20.99 *                               |
| * 3                            | * HEAVY WGT DP | * 1 *   | * 457.67 *             | * 3.00               | 5.00 | * 49.30 *                               |
| * 4                            | * DRILL COLLAR | * 1 *   | * 574.20 *             | * 2.25               | 6.25 | * 90.50 *                               |

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\* HOLE \* ID \* DEPTH ( FEET ) \*  
\* \* INCHES \* TOP BOTTOM \*

|               |           |         |          |
|---------------|-----------|---------|----------|
| * RISER       | * 17.37 * | .00     | 301.00   |
| * CASING      | * 8.75 *  | 301.00  | 7002.00  |
| * OPEN HOLE 1 | * 8.50 *  | 9002.00 | 10055.10 |

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\* COST DATA BIT COST 4451 \$ RIG COST 3646 \$/HR \*  
\* ----- TRIP TIME 8.00 HRS \*  
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\* WEIGHTS HOOK LOAD OFF BOTTOM 341.4 KLBS \*  
\* ----- STRING WEIGHT IN AIR 207.2 KLBS \*  
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\* VOLUMES ANNULUS 611.8BBL IN PIPES 123.7BBL \*  
\* ----- \*  
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\* DEVIATION .5 DEG .803FT / 100FT \*  
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\* HYDRAULICS NOMINAL ANNULUS PRESSURE LOSSES AT 10 DBL/MN : 177 PSI \*  
\* ----- \*  
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\* BIT WEAR TYPE EXPONENT .3 \*  
\* ----- EXPECTED: RUN LENGTH 250 FEET TEETH WEAR 4 /0TH \*  
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