

**PHOENIX DAILY REPORT; JOB NO. 173166**

#1-Aug-97

REPORT #12

OPERATOR: **TEXACO EXPLORATION & PRODUCTION**  
WELL: **NORTH VACUUM ABO UNIT #31**

LOCATION: **LEA COUNTY, NEW MEXICO**  
RIG: **YALE E K 119**

| DAILY TOTALS  |                        |                |       | SHA #07 TOTALS      |                         | TODAY PREVIOUS TOTAL % |                    |       |      |     |
|---------------|------------------------|----------------|-------|---------------------|-------------------------|------------------------|--------------------|-------|------|-----|
| M             | END DEPTH.....         | 10516          | FT    | SLIDING ROP         | SLIDE FOOTAGE.....      | 12.0                   | 0.0                | 12.0  | 5%   |     |
|               | START DEPTH.....       | 10282          | FT    | 5.3                 | SLIDE HOURS.....        | 2.25                   | 0.00               | 2.25  |      |     |
| O             | DAILY FOOTAGE.....     | 234            | FT ** | ROTATING ROP        | ROTATE FOOTAGE.....     | 222.0                  | 0.0                | 222.0 | 95%  |     |
| T             | VERTICAL SECTION.....  |                | FT    | 10.7                | ROTATE HOURS.....       | 20.75                  | 0.00               | 20.75 |      |     |
| O             | SLIDE FOOTAGE.....     | 5%             | 12    | OVERALL             | CIRC. & REAM HOURS..... | 0.00                   | 0.00               | 0.00  |      |     |
| R             | SLIDE HOURS.....       | 2.25           | HRS   | 10.2                | CUM MTR HRS.....        | 23.00                  | 0.00               | 23.00 |      |     |
|               | SLIDE ROP.....         | 5.3            | FPH   | DRILLING PARAMETERS |                         |                        |                    |       |      |     |
| O             | ROTATE FOOTAGE...      | 95%            | 222   | MUD TYPE:           | WATER                   |                        | WOB:               | 10    | LBS  |     |
| N             | ROTATE HOURS.....      | 20.75          | HRS   | MUD WEIGHT:         | 8.4                     | #/GAL                  | ROTARY:            | 20    | RPM  |     |
| L             | ROTATE ROP.....        | 10.7           | FPH   | VISCOSITY:          | 28                      | "/QT                   | MOTOR:             | 223   | RPM  |     |
| Y             | REAMING HOURS.....     | 0.00           | HRS   | TEMPERATURE         | 136                     | F                      | TORQUE:            | 2800  | FT#  |     |
|               | CIRCULATE HOURS.....   | 0.00           | HRS   | PUMPSTROKES:        | 76                      | SPM                    | SPP OFF:           | 2200  | PSI  |     |
|               | DAILY MOTOR HOURS..... | 23.00          | HRS   | VOLUME MUD:         | 136                     | GPM                    | SPP ON:            | 2400  | PSI  |     |
| BH NUMBER 100 |                        | FORMATION DESC |       | GAS                 |                         | U                      | TARGET INFORMATION |       |      |     |
| IFTYPE        | MF37P                  |                |       | TRIP GAS            |                         |                        | MD                 | 0     | 8771 | TVD |
| SERIAL #      | LN2469                 |                |       | CONNECTION GAS      |                         |                        | AZM                | 224.8 | 1431 | VS  |
| DEPTHIN       | 10282                  |                |       | BACKGROUND GAS      |                         |                        | INC                | 80.2  | 80.2 | ANG |

| TIME  | HOURS | FTS | DAILY ACTIVITY       | DRILLING DEPTHS | FROM | TO    | TO  | TRD |
|-------|-------|-----|----------------------|-----------------|------|-------|-----|-----|
| 5.00  | 24.00 | 234 |                      |                 |      |       |     |     |
| 6.00  | 1.00  |     | RIH                  |                 |      |       |     |     |
| 10.00 | 4.00  | 44  | ROTARY DRILLING FROM | 10282           | to   | 10326 |     |     |
| 10.75 | 0.75  | 5   | SLIDE DRILLING FROM  | 10326           | to   | 10331 | 180 |     |
| 23.00 | 12.25 | 143 | ROTARY DRILLING FROM | 10331           | to   | 10474 |     |     |
| 24.00 | 1.00  | 4   | SLIDE DRILLING FROM  | 10474           | to   | 10478 | 20L |     |
| 0.50  | 0.50  | 3   | SLIDE DRILLING FROM  | 10478           | to   | 10481 | 20L |     |
| 5.00  | 4.50  | 35  | ROTARY DRILLING FROM | 10481           | to   | 10516 |     |     |

*13, 14*

TORQUE 3,000  
P/U WT. 99,000  
S/O WT. 88,000  
ROTATE WT 89,000

**BILLING COSTS AND TIMES**

PHOENIX DRILLING DAY NUMBER

#12

DAILY COSTS:

\$6,500.00

COSTS REFLECT FIELD ESTIMATES.  
ACTUAL COSTS AS PER AGREEMENT,  
WITH TEXACO ALLIANCE.

\*\*PHOENIX DAILY COSTS: \$6,500.00

\*\*PHOENIX CUMMULATIVE COSTS: \$78,000.00

PHOENIX'S SUPERVISOR  
BUBBA RUBESH, JIMMY RIOS.

TEXACO'S SUPERVISOR  
KIRBY LOCKLEAR