

Schlumberger

SIMULTANEOUS  
COMPENSATED NEUTRON-  
LITHO DENSITY

|          |                   |      |
|----------|-------------------|------|
| COUNTY   | LEA               | N.M. |
| FIELD    | LOVINGTON         | NE   |
| LOCATION | BROWN "AEI"       |      |
| WELL     | NO. 1             |      |
| COMPANY  | YATES PETR. CORP. |      |

|                                     |                      |      |       |
|-------------------------------------|----------------------|------|-------|
| COMPANY YATES PETROLEUM CORPORATION |                      |      |       |
| WELL BROWN "AEI" NO. 1              |                      |      |       |
| FIELD LOVINGTON NE                  |                      |      |       |
| COUNTY LEA STATE NEW MEXICO         |                      |      |       |
| LOCATION                            | 1910' FNL & 527' FEL |      |       |
| API SERIAL NO.                      | SEC                  | TWP. | RANGE |
|                                     | 26                   | 16-S | 37-E  |
| Other Services:<br>DLL/MSFL<br>BHC  |                      |      |       |

|                              |  |                                            |
|------------------------------|--|--------------------------------------------|
| Permanent Datum: G.L.        |  | Elev.: 3770                                |
| Log Measured From: K.B.      |  | 20Ft. Above Perm. Datum                    |
| Drilling Measured From: K.B. |  | Elev.: K.B. 3790<br>D.F. 3789<br>G.L. 3770 |

|                     |                       |      |      |
|---------------------|-----------------------|------|------|
| Date                | 3-1-87                |      |      |
| Run No.             | ONE                   |      |      |
| Depth-Driller       | 12192                 |      |      |
| Depth-Logger        | 12187                 |      |      |
| Btm. Log Interval   | 12184                 |      |      |
| Top Log Interval    | SURFACE               |      |      |
| Casing-Driller      | 8 5/8 @ 4300          | @    | @    |
| Casing-Logger       | 4302                  |      |      |
| Bit Size            | 7 7/8                 |      |      |
| Type Fluid in Hole  | CUT BRINE/POLYMER/LCM |      |      |
| Dens.               | 8.8                   | 38   |      |
| pH                  | 9.5                   | NC   | ml   |
| Fluid Loss          |                       |      | ml   |
| Source of Sample    | CIRCULATED            |      |      |
| Rm @ Meas. Temp.    | .298 @ 64 °F          | @ °F | @ °F |
| Rmf @ Meas. Temp.   | .275 @ 72 °F          | @ °F | @ °F |
| Rmc @ Meas. Temp.   | @ °F                  | @ °F | @ °F |
| Source: Rmf         | Rmc                   |      |      |
| Rm @ BHT            | .131 @ 154 °F         | @ °F | @ °F |
| Circulation Stopped | 2030                  | 2-28 |      |
| Logger on Bottom    | 0415                  | 3-1  |      |
| Max. Rec. Temp.     | 154 °F                | °F   | °F   |
| Equip.              | 8502                  | RSWL |      |
| Location            |                       |      |      |
| Recorded By         | MILLER                |      |      |
| Witnessed By        | REMPE                 |      |      |

The well name, location and borehole reference data were furnished by the customer.

FOLD HERE

RECEIVED  
JUN 22 1997  
OCD  
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