

# WELL LOGS

|             |                     |           |                         |
|-------------|---------------------|-----------|-------------------------|
| API number: | <b>30-025-37131</b> |           |                         |
| OGRID:      |                     | Operator: | <b>MACK ENERGY CORP</b> |
|             |                     | Property: | <b>PIKE STATE</b> # 1   |

|         |        |          |            |            |            |            |            |
|---------|--------|----------|------------|------------|------------|------------|------------|
| surface | ULSTR: | <b>X</b> | <b>4</b>   | <b>T</b>   | <b>16S</b> | <b>R</b>   | <b>32E</b> |
|         |        |          | <b>330</b> | <b>FSL</b> | <b>330</b> | <b>FEL</b> |            |

|        |        |          |            |            |            |            |            |
|--------|--------|----------|------------|------------|------------|------------|------------|
| BH Loc | ULSTR: | <b>X</b> | <b>4</b>   | <b>T</b>   | <b>16S</b> | <b>R</b>   | <b>32E</b> |
|        |        |          | <b>330</b> | <b>FSL</b> | <b>330</b> | <b>FEL</b> |            |

|               |             |     |             |     |             |  |
|---------------|-------------|-----|-------------|-----|-------------|--|
| Ground Level: | <b>4319</b> | DF: | <b>4330</b> | KB: | <b>4331</b> |  |
| Datum:        | <b>KB</b>   |     |             | TD: | <b>4250</b> |  |

|       |              |                       |                 |
|-------|--------------|-----------------------|-----------------|
| Land: | <b>STATE</b> | Completion Date: (1)  | <b>5/3/2005</b> |
|       |              | Date Logs Received:   | <b>5/5/2005</b> |
|       |              | Date Logs Due in: (2) |                 |

|               |           |  |  |           |  |  |
|---------------|-----------|--|--|-----------|--|--|
| Confidential: | <b>NO</b> |  |  | Date out: |  |  |
|---------------|-----------|--|--|-----------|--|--|

Confidential period: 90 Days for State & Fee, 1 Year for federal

Date Due In: (1) is equal to Completion Date (1) + 20 days

| Logs               | Depth interval |             |                              |
|--------------------|----------------|-------------|------------------------------|
| <b>TD LD CN/GR</b> | <b>200</b>     | <b>4237</b> | Three Detector Litho-Density |
| <b>HRLA</b>        | <b>1234</b>    | <b>4247</b> | High Resolution Laterolog    |
|                    |                |             |                              |
|                    |                |             |                              |
|                    |                |             |                              |
|                    |                |             |                              |
|                    |                |             |                              |
|                    |                |             |                              |

## OCD TOPS

|            |      |           |  |  |  |
|------------|------|-----------|--|--|--|
|            |      |           |  |  |  |
| Rustler    | 1244 | Strawn    |  |  |  |
| Tansill    | 2312 | Atoka     |  |  |  |
| Yates      | 2464 | Morrow    |  |  |  |
| 7 rvs      | 2760 |           |  |  |  |
|            | 3097 | Austin    |  |  |  |
|            | 3177 | Chester   |  |  |  |
| Queen      | 3346 | Miss Lime |  |  |  |
| Penrose    |      |           |  |  |  |
| Grayburg   | 3767 |           |  |  |  |
| San Andres | 4156 |           |  |  |  |
| Glorieta   |      |           |  |  |  |
| Paddock    |      |           |  |  |  |
| Blinbry    |      |           |  |  |  |
| Tubb       |      |           |  |  |  |
| Drinkard   |      |           |  |  |  |
| Abo        |      |           |  |  |  |
| Wolfcamp   |      |           |  |  |  |
|            |      |           |  |  |  |
|            |      |           |  |  |  |