

# WELL LOGS

K Z

40882

|             |              |           |                  |
|-------------|--------------|-----------|------------------|
| API number: | 30-025-40796 |           |                  |
| OGRID:      |              | Operator: | MACK ENERGY CORP |
|             |              | Property: | OREGON STATE # 1 |

|         |        |   |     |     |     |     |     |
|---------|--------|---|-----|-----|-----|-----|-----|
| surface | ULSTR: | M | 18  | T   | 18S | R   | 37E |
|         |        |   | 330 | FSL |     | 330 | FWL |

|        |        |   |     |     |     |     |     |
|--------|--------|---|-----|-----|-----|-----|-----|
| BH Loc | ULSTR: | M | 18  | T   | 18S | R   | 37E |
|        |        |   | 330 | FSL |     | 330 | FWL |

|               |      |     |      |     |      |  |
|---------------|------|-----|------|-----|------|--|
| Ground Level: | 3758 | DF: | 3774 | KB: | 3775 |  |
| Datum:        | KB   |     |      | TD: | 5630 |  |

Land: STATE

Completion Date: (1) 7/23/2013  
 Date Logs Received: 8/16/2013 \*\*\*LATE\*\*\*  
 Date C105 Received: 8/16/2013 \*\*\*LATE\*\*\*  
 Date Logs/C105 Due in: (2) 8/12/2013

|               |    |  |  |           |  |  |
|---------------|----|--|--|-----------|--|--|
| Confidential: | NO |  |  | 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 |      |                              |
|-------------|----------------|------|------------------------------|
| TD LD CN/GR | 1697           | 5624 | Three Detector Litho-Density |
| HRLA        | 1697           | 5595 | High Resolution Laterolog    |
|             |                |      |                              |
|             |                |      |                              |
|             |                |      |                              |
|             |                |      |                              |
|             |                |      |                              |

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## OCD TOPS

|              |      |             |  |  |
|--------------|------|-------------|--|--|
| Rustler      | 1720 | Bone Spring |  |  |
| Tansill      | 2900 | 1st Sd      |  |  |
| Yates        | 3052 | 2nd Carb    |  |  |
| 7 rvs        | 3381 | 2nd Sd      |  |  |
|              | 3725 | 3rd Carb    |  |  |
|              | 3802 | 3rd Sd      |  |  |
| Queen        | 3998 | Wolfcamp    |  |  |
| Penrose      |      |             |  |  |
| Grayburg     | 4420 | Strawn      |  |  |
| San Andres   | 4837 | Atoka       |  |  |
| Glorieta     |      | Morrow      |  |  |
| Yeso         |      |             |  |  |
| Abo          |      |             |  |  |
|              |      | Barnett Sh  |  |  |
| Capitan Reef |      | Miss Lime   |  |  |
| Getaway Bank |      |             |  |  |
| Delaware Sd  | 5470 |             |  |  |
|              |      |             |  |  |
|              |      |             |  |  |

AUG 26 2013