

# WELL LOGS

K Z

|             |              |           |                     |
|-------------|--------------|-----------|---------------------|
| API number: | 30-025-40694 |           |                     |
| OGRID:      |              | Operator: | CIMAREX ENERGY CO.  |
|             |              | Property: | CHIEF 30 STATE # 2H |

|         |        |   |      |     |     |     |     |
|---------|--------|---|------|-----|-----|-----|-----|
| surface | ULSTR: | L | 30   | T   | 20S | R   | 35E |
|         |        |   | 1880 | FSL | 300 | FWL |     |

|        |        |   |      |     |     |     |     |
|--------|--------|---|------|-----|-----|-----|-----|
| BH Loc | ULSTR: | I | 30   | T   | 20S | R   | 35E |
|        |        |   | 2247 | FSL | 432 | FEL |     |

|               |      |     |      |     |       |      |       |
|---------------|------|-----|------|-----|-------|------|-------|
| Ground Level: | 3746 | DF: | 3772 | KB: | 3773  |      |       |
| Datum:        | KB   |     |      | MD: | 15200 | TVD: | 10796 |

Land: STATE

Completion Date: (1) 10/26/2012  
 Date Logs Received: 12/18/2012  
 Date C105 Received: 12/18/2012  
 Date Logs/C105 Due in: (2) 11/15/2012

|               |    |  |  |           |  |  |
|---------------|----|--|--|-----------|--|--|
| 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 |       |                                      |
|----------|----------------|-------|--------------------------------------|
| DSN/SDL  | 190            | 11661 | Spectral Density Dual Spaced Neutron |
| DLL/MGRD | 5698           | 11709 | Dual Laterolog Micro Guard Log       |
|          |                |       |                                      |
|          |                |       |                                      |
|          |                |       |                                      |
|          |                |       |                                      |
|          |                |       |                                      |

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## OCD TOPS

|              |      |             |       |  |  |
|--------------|------|-------------|-------|--|--|
| Rustler      | 1834 | Bone Spring | 8584  |  |  |
| Tansill      |      | 1st Sd      | 9760  |  |  |
| Yates        | 3807 | 2nd Carb    | 10028 |  |  |
| 7 rvs        |      | 2nd Sd      | 10394 |  |  |
|              |      | 3rd Carb    | 10895 |  |  |
|              |      | 3rd Sd      | 11320 |  |  |
| Queen        |      | Wolfcamp    | 11500 |  |  |
| Penrose      |      |             |       |  |  |
| Grayburg     |      | Strawn      |       |  |  |
| San Andres   |      | Atoka       |       |  |  |
| Glorieta     |      | Morrow      |       |  |  |
| Yeso         |      |             |       |  |  |
| Abo          |      |             |       |  |  |
|              |      | Barnett Sh  |       |  |  |
| Capitan Reef | 4282 | Miss Lime   |       |  |  |
| Getaway Bank |      |             |       |  |  |
| Delaware Sd  | 5750 |             |       |  |  |
|              |      |             |       |  |  |
|              |      |             |       |  |  |