

# WELL LOGS

K Z

|             |              |           |                                |
|-------------|--------------|-----------|--------------------------------|
| API number: | 30-025-40187 |           |                                |
| OGRID:      |              | Operator: | CIMAREX ENERGY CO of COLORADO  |
|             |              | Property: | NORTH MADURO FEDERAL UNIT # 5H |

|         |        |   |     |     |     |     |     |
|---------|--------|---|-----|-----|-----|-----|-----|
| surface | ULSTR: | P | 20  | T   | 19S | R   | 33E |
|         |        |   | 660 | FSL |     | 330 | FEL |

|        |        |   |     |     |     |     |     |
|--------|--------|---|-----|-----|-----|-----|-----|
| BH Loc | ULSTR: | M | 20  | T   | 19S | R   | 33E |
|        |        |   | 627 | FSL |     | 340 | FWL |

|               |      |     |      |     |       |      |      |
|---------------|------|-----|------|-----|-------|------|------|
| Ground Level: | 3608 | DF: | 3627 | KB: | 3628  |      |      |
| Datum:        | KB   |     |      | MD: | 14573 | TVD: | 9846 |

Land: **FEDERAL**

Completion Date: (1) 12/15/2011  
 Date Logs Received: 2/8/2012 \*\*\*LATE\*\*\*  
 Date C105 Received: 2/8/2012 \*\*\*LATE\*\*\*  
 Date Logs/C105 Due in: (2) 1/4/2012

|               |    |  |  |           |  |  |
|---------------|----|--|--|-----------|--|--|
| 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  | 200            | 9678 | Spectral Density Dual Spaced Neutron |
| DLL/MGRD | 5095           | 9700 | Dual Laterolog Micro Guard Log       |
|          |                |      |                                      |
|          |                |      |                                      |
|          |                |      |                                      |
|          |                |      |                                      |
|          |                |      |                                      |

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## OCD TOPS

|              |      |             |      |  |  |
|--------------|------|-------------|------|--|--|
| Rustler      | 1250 | Bone Spring | 7837 |  |  |
| Tansill      |      | 1st Sd      | 9065 |  |  |
| Yates        | 3115 | 2nd Carb    | 9337 |  |  |
| 7 rvrs       | 3445 | 2nd Sd      | 9593 |  |  |
|              | 3896 | 3rd Carb    |      |  |  |
|              | 3996 | 3rd Sd      |      |  |  |
| Queen        | 4290 | Wolfcamp    |      |  |  |
| Penrose      |      |             |      |  |  |
| Grayburg     |      | Strawn      |      |  |  |
| San Andres   |      | Atoka       |      |  |  |
| Glorieta     |      | Morrow      |      |  |  |
| Yeso         |      |             |      |  |  |
| Abo          |      |             |      |  |  |
|              |      | Barnett Sh  |      |  |  |
| Capitan Reef |      | Miss Lime   |      |  |  |
| Getaway Bank |      |             |      |  |  |
| Delaware Sd  | 5526 |             |      |  |  |
|              |      |             |      |  |  |
|              |      |             |      |  |  |

FEB 21 2012