

# WELL LOGS

K Z

|             |              |           |                   |
|-------------|--------------|-----------|-------------------|
| API number: | 30-025-39857 |           |                   |
| OGRID:      |              | Operator: | COG OPERATING LLC |
|             |              | Property: | BC FEDERAL # 63   |

|         |        |   |      |     |     |     |     |
|---------|--------|---|------|-----|-----|-----|-----|
| surface | ULSTR: | H | 20   | T   | 17S | R   | 32E |
|         |        |   | 2310 | FNL | 990 | FEL |     |

|        |        |   |      |     |     |     |     |
|--------|--------|---|------|-----|-----|-----|-----|
| BH Loc | ULSTR: | H | 20   | T   | 17S | R   | 32E |
|        |        |   | 2310 | FNL | 990 | FEL |     |

|               |      |     |      |     |      |  |
|---------------|------|-----|------|-----|------|--|
| Ground Level: | 4008 | DF: | 4024 | KB: | 4025 |  |
| Datum:        | KB   |     |      | TD: | 7037 |  |

Land: **FEDERAL**

Completion Date: (1) **6/17/2011**

Date Logs Received: **7/1/2011**

Date C105 Received: **7/1/2011**

Date Logs/C105 Due in: (2) **7/7/2011**

|               |    |  |  |           |  |  |
|---------------|----|--|--|-----------|--|--|
| 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 |      |                     |
|------|----------------|------|---------------------|
| CNL  | 100            | 6957 | Compensated Neutron |
|      |                |      |                     |
|      |                |      |                     |
|      |                |      |                     |
|      |                |      |                     |
|      |                |      |                     |
|      |                |      |                     |
|      |                |      |                     |

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## OCD TOPS

|              |      |              |  |  |
|--------------|------|--------------|--|--|
| Rustler      | 738  | Strawn       |  |  |
| Tansill      |      | Atoka        |  |  |
| Yates        | 2068 | Morrow       |  |  |
| 7 rvs        | 2429 |              |  |  |
| T. Bowers Sd | 2784 | Austin       |  |  |
| B. Bowers Sd | 2857 | Chester      |  |  |
| Queen        | 3039 | Miss Lime    |  |  |
| Penrose      |      | Woodford     |  |  |
| Grayburg     | 3414 | Devonian     |  |  |
| San Andres   | 3790 | Silurian     |  |  |
| Glorieta     | 5302 | Fussleman    |  |  |
| Yeso         | 5357 | Montoya      |  |  |
| Blinberry    |      | Simpson      |  |  |
| Tubb         |      | Mckee        |  |  |
| Drinkard     |      | Ellenburger  |  |  |
| Abo          |      | Granite Wash |  |  |
| Wolfcamp     |      | preCambrian  |  |  |
|              |      |              |  |  |
|              |      |              |  |  |

JUL 07 2011