

# WELL LOGS

K Z

|             |              |           |                    |
|-------------|--------------|-----------|--------------------|
| API number: | 30-025-39497 |           |                    |
| OGRID:      |              | Operator: | COG OPERATING, LLC |
|             |              | Property: | BC FEDERAL # 57    |

|         |        |   |     |     |      |     |     |
|---------|--------|---|-----|-----|------|-----|-----|
| surface | ULSTR: | C | 20  | T   | 17S  | R   | 32E |
|         |        |   | 990 | FNL | 1650 | FWL |     |

|        |        |   |     |     |      |     |     |
|--------|--------|---|-----|-----|------|-----|-----|
| BH Loc | ULSTR: | C | 20  | T   | 17S  | R   | 32E |
|        |        |   | 990 | FNL | 1650 | FWL |     |

|               |      |     |      |     |      |  |
|---------------|------|-----|------|-----|------|--|
| Ground Level: | 3981 | DF: | 3997 | KB: | 3998 |  |
| Datum:        | KB   |     |      | TD: | 7026 |  |

|  |                            |           |          |
|--|----------------------------|-----------|----------|
|  | Completion Date: (1)       | 6/9/2011  |          |
|  | Date Logs Received:        | 7/19/2011 | **Late** |
|  | Date C105 Received:        | 7/19/2011 | **Late** |
|  | Date Logs/C105 Due in: (2) | 6/29/2011 |          |

Land: **FEDERAL**

|               |    |  |  |           |  |
|---------------|----|--|--|-----------|--|
| 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  | 200            | 6959 | Compensated Neutron Log |
|      |                |      |                         |
|      |                |      |                         |
|      |                |      |                         |
|      |                |      |                         |
|      |                |      |                         |
|      |                |      |                         |

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## OCD TOPS

|              |      |              |  |  |
|--------------|------|--------------|--|--|
| Rustler      | 696  | Strawn       |  |  |
| Tansill      |      | Atoka        |  |  |
| Yates        | 2031 | Morrow       |  |  |
| 7 rvrs       | 2393 |              |  |  |
| T. Bowers Sd | 2744 | Austin       |  |  |
| B. Bowers Sd | 2820 | Chester      |  |  |
| Queen        | 3001 | Miss Lime    |  |  |
| Penrose      |      | Woodford     |  |  |
| Grayburg     | 3399 | Devonian     |  |  |
| San Andres   | 3787 | Silurian     |  |  |
| Glorieta     | 5278 | Fussleman    |  |  |
| Yeso         | 5340 | Montoya      |  |  |
| Blaine       |      | Simpson      |  |  |
| Tubb         |      | Mckee        |  |  |
| Drinkard     |      | Ellenburger  |  |  |
| Abo          |      | Granite Wash |  |  |
| Wolfcamp     |      | preCambrian  |  |  |
|              |      |              |  |  |
|              |      |              |  |  |