

# WELL LOGS

|             |              |           |                     |
|-------------|--------------|-----------|---------------------|
| API number: | 30-025-36903 |           |                     |
| OGRID:      |              | Operator: | COG OPERATING LLC   |
|             |              | Property: | BAGLEY 16 STATE # 1 |

|         |        |   |     |     |     |     |     |
|---------|--------|---|-----|-----|-----|-----|-----|
| surface | ULSTR: | D | 16  | T   | 11S | R   | 33E |
|         |        |   | 660 | FNL | 810 | FWL |     |

|        |        |   |     |     |     |     |     |
|--------|--------|---|-----|-----|-----|-----|-----|
| BH Loc | ULSTR: | D | 16  | T   | 11S | R   | 33E |
|        |        |   | 660 | FNL | 810 | FWL |     |

|               |      |     |      |     |       |  |
|---------------|------|-----|------|-----|-------|--|
| Ground Level: | 4290 | DF: | 4313 | KB: | 4314  |  |
| Datum:        | KB   |     |      | TD: | 11050 |  |

|       |       |                       |           |
|-------|-------|-----------------------|-----------|
| Land: | STATE | Completion Date: (1)  | 8/3/2005  |
|       |       | Date Logs Received:   | 8/18/2005 |
|       |       | Date Logs Due in: (2) | 8/23/2005 |

|               |    |  |  |           |  |
|---------------|----|--|--|-----------|--|
| 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 | 200            | 11048 | Three Detector Litho-Density |
| HRLA        | 3826           | 11025 | High Resolution Laterolog    |
|             |                |       |                              |
|             |                |       |                              |
|             |                |       |                              |
|             |                |       |                              |
|             |                |       |                              |
|             |                |       |                              |

## OCD TOPS

|            |      |           |       |  |
|------------|------|-----------|-------|--|
| Rustler    | 1730 | Strawn    | 10054 |  |
| Tansill    |      | Atoka     | 10692 |  |
| Yates      | 2449 | Morrow    |       |  |
| 7 rvrs     |      |           |       |  |
|            |      | Austin    |       |  |
|            |      | Chester   |       |  |
| Queen      | 3266 | Miss Lime |       |  |
| Penrose    |      |           |       |  |
| Grayburg   |      |           |       |  |
| San Andres | 3710 |           |       |  |
| Glorieta   | 5117 |           |       |  |
| Paddock    |      |           |       |  |
| Blinbry    |      |           |       |  |
| Tubb       | 6543 |           |       |  |
| Drinkard   | 6852 |           |       |  |
| Abo        | 7327 |           |       |  |
| Wolfcamp   | 8546 |           |       |  |
|            |      |           |       |  |
|            |      |           |       |  |

FAUX

OPERATOR COG Operating, LLC  
WELL/LEASE Bagley 16 State #1  
COUNTY Lea, NM

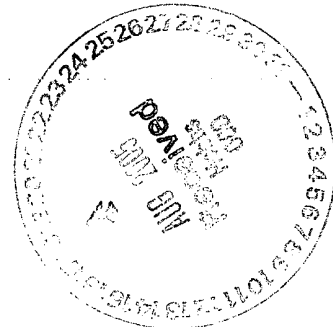
056-0017

STATE OF NEW MEXICO  
DEVIATION REPORT

D-16-115-33e  
660/N & 810/W

30-025-36903

|        |     |
|--------|-----|
| 193    | 1/2 |
| 339    | 1/4 |
| 711    | 3/4 |
| 1,123  | 3/4 |
| 1,505  | 1/4 |
| 1,979  | 1/2 |
| 2,232  | 1/2 |
| 2,612  | 1   |
| 2,958  | 1/4 |
| 3,338  | 3/4 |
| 3,717  | 1   |
| 3,783  | 3/4 |
| 4,171  | 3/4 |
| 4,553  | 1   |
| 4,931  | 3/4 |
| 5,312  | 1/4 |
| 5,692  | 1   |
| 6,090  | 3/4 |
| 6,484  | 1/2 |
| 6,863  | 1/2 |
| 7,241  | 3/4 |
| 7,624  | 1   |
| 7,970  | 1/4 |
| 8,319  | 3/4 |
| 8,724  | 3/4 |
| 9,144  | 1/4 |
| 9,526  | 1/4 |
| 9,904  | 3/4 |
| 10,306 | 1/2 |
| 10,668 | 3/4 |
| 11,002 | 1/2 |



BY: Steve Moore

STATE OF TEXAS  
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on August 15, 2005, by Steve Moore on behalf of Patterson - UTI Drilling Company, LP, LLLP.

J. Robertson  
Notary Public for Midland County, Texas  
My Commission Expires: 8/23/07



J ROBERTSON  
Notary Public, State of Texas  
My Commission Expires:  
August 23, 2007