

# WELL LOGS

K Z

|             |              |           |                      |
|-------------|--------------|-----------|----------------------|
| API number: | 30-025-39076 |           |                      |
| OGRID:      |              | Operator: | VANGUARD PERMIAN LLC |
|             |              | Property: | ANGELL # 2           |

|         |        |   |     |     |      |     |     |
|---------|--------|---|-----|-----|------|-----|-----|
| surface | ULSTR: | B | 11  | T   | 17S  | R   | 36E |
|         |        |   | 330 | FNL | 1650 | FEL |     |

|        |        |   |     |     |      |     |     |
|--------|--------|---|-----|-----|------|-----|-----|
| BH Loc | ULSTR: | B | 11  | T   | 17S  | R   | 36E |
|        |        |   | 330 | FNL | 1650 | FEL |     |

|               |          |     |          |     |          |  |
|---------------|----------|-----|----------|-----|----------|--|
| Ground Level: | **Conf** | DF: | **Conf** | KB: | **Conf** |  |
| Datum:        | KB       |     |          | TD: | 6500     |  |

Land: STATE

Completion Date: (1) 11/21/2008

Date Logs Received: 12/3/2008

Date Logs Due in: (2) 12/11/2008

|               |     |  |           |          |
|---------------|-----|--|-----------|----------|
| Confidential: | YES |  | Date out: | 3/3/2008 |
|---------------|-----|--|-----------|----------|

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  | **Conf**       | **Conf** | Spectral Density Dual Spaced Neutron |
| DLL/MGRD | **Conf**       | **Conf** | Dual Laterolog Micro Guard Log       |
|          |                |          |                                      |
|          |                |          |                                      |
|          |                |          |                                      |
|          |                |          |                                      |
|          |                |          |                                      |

K Z

## OCD TOPS

|              |          |        |  |  |
|--------------|----------|--------|--|--|
| Rustler      | **Conf** | Strawn |  |  |
| Tansill      | **Conf** | Atoka  |  |  |
| Yates        | **Conf** | Morrow |  |  |
| 7R           | **Conf** |        |  |  |
| T. Bowers Sd | **Conf** |        |  |  |
| B. Bowers Sd | **Conf** |        |  |  |
| Queen        | **Conf** |        |  |  |
| Penrose      | **Conf** |        |  |  |
| Grayburg     | **Conf** |        |  |  |
| San Andres   | **Conf** |        |  |  |
| Glorieta     | **Conf** |        |  |  |
| Paddock      | **Conf** |        |  |  |
| Tubb         |          |        |  |  |
| Drinkard     |          |        |  |  |
| Abo          |          |        |  |  |
| Wolfcamp     |          |        |  |  |
|              |          |        |  |  |
|              |          |        |  |  |
|              |          |        |  |  |

OPERATOR  
WELL/LEASE  
COUNTY

VANGUARD PERMIAN, LLC  
ANGELL 2  
LEA

RIG 54

RECEIVED

DEC 03, 2008

STATE OF NEW MEXICO  
DEVIATION REPORT

HOBBS OCL

|       |      |
|-------|------|
| 238   | 0.75 |
| 728   | 1.00 |
| 1,205 | 1.00 |
| 1,649 | 0.25 |
| 2,399 | 0.50 |
| 2,899 | 1.00 |
| 3,351 | 1.00 |
| 3,826 | 1.50 |
| 4,302 | 1.25 |
| 4,745 | 1.25 |
| 5,221 | 1.50 |
| 5,760 | 0.50 |
| 6,205 | 0.75 |
| 6,500 | 1.00 |

B-11-175-36e  
330/N & 1650/E  
30-025-39076

STATE OF TEXAS

COUNTY OF MIDLAND

BY: Steve Moore

The foregoing instrument was acknowledged before me on  
Moore on behalf of Patterson-UTI Drilling Company LLC.

Joni D. Hodges  
Notary Public for Midland County, Texas  
My Commission Expires: 4/11/11

NOVEMBER 10, 2008 , by Steve

