

# WELL LOGS

K Z

|             |              |           |             |
|-------------|--------------|-----------|-------------|
| API number: | 30-025-38700 |           |             |
| OGRID:      |              | Operator: | APACHE CORP |
|             |              | Property: | MELOT # 2   |

|         |        |   |     |     |      |     |     |
|---------|--------|---|-----|-----|------|-----|-----|
| surface | ULSTR: | C | 11  | T   | 20S  | R   | 38E |
|         |        |   | 330 | FNL | 1690 | FWL |     |

|        |        |   |     |     |      |     |     |
|--------|--------|---|-----|-----|------|-----|-----|
| BH Loc | ULSTR: | C | 11  | T   | 20S  | R   | 38E |
|        |        |   | 332 | FNL | 2328 | FWL |     |

|               |      |     |      |     |      |
|---------------|------|-----|------|-----|------|
| Ground Level: | 3580 | DF: | 3590 | KB: | 3591 |
| Datum:        | KB   |     |      | TD: | 7339 |

Land: FEE

Completion Date: (1) 7/17/2008

Date Logs Received: 7/3/2008

Date Logs Due in: (2)

|               |    |  |  |           |  |
|---------------|----|--|--|-----------|--|
| 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 |      |                                      |
|---------|----------------|------|--------------------------------------|
| MPD/MDN | 200            | 7292 | Compensated Neutron Photo Density GR |
| MLE/MMR | 2500           | 7309 | Dual Laterolog Micro Laterolog       |
| MSS     | 2500           | 7333 | Compensated Sonic Gamma Ray Log      |
| SGS     | 2500           | 7268 | Spectral Gamma Ray Log               |
|         |                |      |                                      |
|         |                |      |                                      |
|         |                |      |                                      |

K Z

## OCD TOPS

|              |      |        |  |  |
|--------------|------|--------|--|--|
| Rustler      | 1563 | Strawn |  |  |
| Tansill      | 2754 | Atoka  |  |  |
| Yates        | 2920 | Morrow |  |  |
| 7R           | 3149 |        |  |  |
| T. Bowers Sd | 3476 |        |  |  |
| B. Bowers Sd | 3552 |        |  |  |
| Queen        | 3727 |        |  |  |
| Penrose      |      |        |  |  |
| Grayburg     | 4050 |        |  |  |
| San Andres   | 4335 |        |  |  |
| Glorieta     | 6550 |        |  |  |
|              | 6091 |        |  |  |
| Tubb         | 6599 |        |  |  |
| Drinkard     | 6907 |        |  |  |
| Abo          | 7184 |        |  |  |
| Wolfcamp     |      |        |  |  |
|              |      |        |  |  |
|              |      |        |  |  |
|              |      |        |  |  |

## Results of Directional Survey

HOUSE;BLINEBRY COMPLETION

|             |                     |           |                    |
|-------------|---------------------|-----------|--------------------|
| API number: | <b>30-025-38700</b> |           |                    |
| OGRID:      |                     | Operator: | <b>APACHE CORP</b> |
|             |                     | Property: | <b>MELOT</b> # 2   |

surface

|        |          |            |            |             |            |            |
|--------|----------|------------|------------|-------------|------------|------------|
| ULSTR: | <b>C</b> | <b>11</b>  | <b>T</b>   | <b>20S</b>  | <b>R</b>   | <b>38E</b> |
|        |          | <b>330</b> | <b>FNL</b> | <b>1690</b> | <b>FWL</b> |            |

BH Loc

|        |          |            |            |             |            |            |
|--------|----------|------------|------------|-------------|------------|------------|
| ULSTR: | <b>C</b> | <b>11</b>  | <b>T</b>   | <b>20S</b>  | <b>R</b>   | <b>38E</b> |
|        |          | <b>332</b> | <b>FNL</b> | <b>2328</b> | <b>FWL</b> |            |

|              |             |       |        |         |
|--------------|-------------|-------|--------|---------|
|              | MD          | N/S   | E/W    | VD      |
|              | 6090        | -4.60 | 629.93 | 6040.11 |
| TOP PERFS/OH | <b>6102</b> | -4.60 | 630.70 | 6052.09 |
|              | 6153        | -4.59 | 633.99 | 6102.98 |
|              | 6311        | -4.76 | 638.41 | 6260.90 |
| BOT PERFS/OH | <b>6399</b> | -4.78 | 638.92 | 6348.90 |
|              | 6405        | -4.78 | 638.95 | 6354.90 |

|              |             |       |        |         |
|--------------|-------------|-------|--------|---------|
| NEXT TO LAST | 7223        | -2.70 | 638.56 | 7172.89 |
| LAST READING | 7288        | -2.14 | 638.29 | 7237.89 |
| TD           | <b>7339</b> | -1.70 | 638.08 | 7288.89 |

|                  |     |    |      |    |
|------------------|-----|----|------|----|
| Surface Location | 330 | FN | 1690 | FW |
| Projected BHL    | 332 | FN | 2328 | FW |
| Location of      |     |    |      |    |
| Top Perfs/OH     | 335 | FN | 2321 | FW |
| Bottom Perfs/OH  | 335 | FN | 2329 | FW |

### SUMMARY of Subsurface Locations

|                  |              |     |    |      |    |             |
|------------------|--------------|-----|----|------|----|-------------|
| Surface Location | C-11-20S-38E | 330 | FN | 1690 | FW | Vert. Depth |
| Top Perfs/OH     | C-11-20S-38E | 335 | FN | 2321 | FW | 6052.09     |
| Bottom Perfs/OH  | C-11-20S-38E | 335 | FN | 2329 | FW | 6348.90     |
| Projected TD     | C-11-20S-38E | 332 | FN | 2328 | FW | 7288.89     |

## Results of Directional Survey

HOUSE;DRINKARD COMPLETION

|             |              |           |             |
|-------------|--------------|-----------|-------------|
| API number: | 30-025-38700 |           |             |
| OGRID:      |              | Operator: | APACHE CORP |
|             |              | Property: | MELOT # 2   |

surface

|        |   |         |          |       |
|--------|---|---------|----------|-------|
| ULSTR: | C | 11      | T 20S    | R 38E |
|        |   | 330 FNL | 1690 FWL |       |

BH Loc

|        |   |         |          |       |
|--------|---|---------|----------|-------|
| ULSTR: | C | 11      | T 20S    | R 38E |
|        |   | 332 FNL | 2328 FWL |       |

|              |      |       |        |         |
|--------------|------|-------|--------|---------|
|              | MD   | N/S   | E/W    | VD      |
|              | 6971 | -4.03 | 639.03 | 6920.89 |
| TOP PERFS/OH | 7028 | -3.77 | 639.03 | 6977.89 |
|              | 7097 | -3.45 | 639.03 | 7046.89 |
|              | 7097 | -3.45 | 639.03 | 7046.89 |
| BOT PERFS/OH | 7139 | -3.20 | 638.87 | 7088.89 |
|              | 7223 | -2.70 | 638.56 | 7172.89 |

|              |      |       |        |         |
|--------------|------|-------|--------|---------|
| NEXT TO LAST | 7223 | -2.70 | 638.56 | 7172.89 |
| LAST READING | 7288 | -2.14 | 638.29 | 7237.89 |
| TD           | 7339 | -1.70 | 638.08 | 7288.89 |

|                  |     |    |      |    |
|------------------|-----|----|------|----|
| Surface Location | 330 | FN | 1690 | FW |
| Projected BHL    | 332 | FN | 2328 | FW |
| Location of      |     |    |      |    |
| Top Perfs/OH     | 334 | FN | 2329 | FW |
| Bottom Perfs/OH  | 333 | FN | 2329 | FW |

### SUMMARY of Subsurface Locations

|                  |              |     |    |      |    |             |
|------------------|--------------|-----|----|------|----|-------------|
| Surface Location | C-11-20S-38E | 330 | FN | 1690 | FW | Vert. Depth |
| Top Perfs/OH     | C-11-20S-38E | 334 | FN | 2329 | FW | 6977.89     |
| Bottom Perfs/OH  | C-11-20S-38E | 333 | FN | 2329 | FW | 7088.89     |
| Projected TD     | C-11-20S-38E | 332 | FN | 2328 | FW | 7288.89     |

## Results of Directional Survey

HOUSE;TUBB COMPLETION

|             |                     |           |                    |
|-------------|---------------------|-----------|--------------------|
| API number: | <b>30-025-38700</b> |           |                    |
| OGRID:      |                     | Operator: | <b>APACHE CORP</b> |
|             |                     | Property: | <b>MELOT</b> # 2   |

|         |        |          |            |            |             |            |            |
|---------|--------|----------|------------|------------|-------------|------------|------------|
| surface | ULSTR: | <b>C</b> | <b>11</b>  | <b>T</b>   | <b>20S</b>  | <b>R</b>   | <b>38E</b> |
|         |        |          | <b>330</b> | <b>FNL</b> | <b>1690</b> | <b>FWL</b> |            |

|        |        |          |            |            |             |            |            |
|--------|--------|----------|------------|------------|-------------|------------|------------|
| BH Loc | ULSTR: | <b>C</b> | <b>11</b>  | <b>T</b>   | <b>20S</b>  | <b>R</b>   | <b>38E</b> |
|        |        |          | <b>332</b> | <b>FNL</b> | <b>2328</b> | <b>FWL</b> |            |

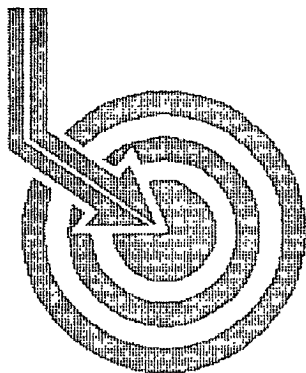
|              |             |       |        |         |
|--------------|-------------|-------|--------|---------|
|              | MD          | N/S   | E/W    | VD      |
|              | 6656        | -4.59 | 639.89 | 6040.11 |
| TOP PERFS/OH | <b>6676</b> | -4.54 | 639.93 | 6239.73 |
|              | 6719        | -4.44 | 640.01 | 6668.90 |
|              | 6845        | -4.36 | 639.91 | 6794.90 |
| BOT PERFS/OH | <b>6880</b> | -4.27 | 639.67 | 6829.90 |
|              | 6971        | -4.03 | 639.03 | 6920.89 |

|              |             |       |        |         |
|--------------|-------------|-------|--------|---------|
| NEXT TO LAST | 7223        | -2.70 | 638.56 | 7172.89 |
| LAST READING | 7288        | -2.14 | 638.29 | 7237.89 |
| TD           | <b>7339</b> | -1.70 | 638.08 | 7288.89 |

|                  |     |    |      |    |
|------------------|-----|----|------|----|
| Surface Location | 330 | FN | 1690 | FW |
| Projected BHL    | 332 | FN | 2328 | FW |
| Location of      |     |    |      |    |
| Top Perfs/OH     | 335 | FN | 2330 | FW |
| Bottom Perfs/OH  | 334 | FN | 2330 | FW |

### SUMMARY of Subsurface Locations

|                         |              |     |    |      |    |             |
|-------------------------|--------------|-----|----|------|----|-------------|
| <b>Surface Location</b> | C-11-20S-38E | 330 | FN | 1690 | FW | Vert. Depth |
| <b>Top Perfs/OH</b>     | C-11-20S-38E | 335 | FN | 2330 | FW | 6239.73     |
| <b>Bottom Perfs/OH</b>  | C-11-20S-38E | 334 | FN | 2330 | FW | 6829.90     |
| <b>Projected TD</b>     | C-11-20S-38E | 332 | FN | 2328 | FW | 7288.89     |



# Scientific Drilling

SUR: C-11-20s-38e, 330/N & 1690/W  
BHL: C-11-20s-38e, 332/N & 2328/W  
API # 30-025-38700

## APACHE CORPORATION

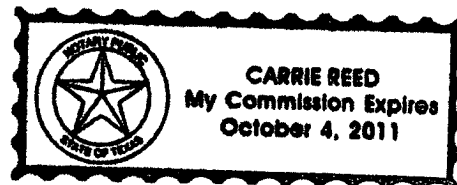
Field: House  
Site: Lea County, NM  
Well: Melot #2  
Wellpath: DH - Job #32D0508399  
Survey: 05/30/08-06/11/08

This survey is correct to the best of my knowledge  
and is supported by actual field data.

.....Richard.....Company Representative

Notorized this date 4th of August, 2008.

Carrie Reed  
Notary Signature  
County of Midland  
State of Texas





Scientific  
Drilling

# Scientific Drilling International Survey Report

|                                       |                                   |                                         |                   |
|---------------------------------------|-----------------------------------|-----------------------------------------|-------------------|
| <b>Company:</b> APACHE CORPORATION    | <b>Date:</b> 07/31/2008           | <b>Time:</b> 21:36:17                   | <b>Page:</b> 1    |
| <b>Field:</b> House                   | <b>Co-ordinate(NE) Reference:</b> | <b>Site:</b> Lea County, NM, Grid North |                   |
| <b>Site:</b> Lea County, NM           | <b>Vertical (TVD) Reference:</b>  | <b>SITE</b> 0.0                         |                   |
| <b>Well:</b> Melot #2                 | <b>Section (VS) Reference:</b>    | <b>Well</b> (0.00N,0.00E,89.39Azi)      |                   |
| <b>Wellpath:</b> VH - Job #32K0508406 | <b>Survey Calculation Method:</b> | <b>Minimum Curvature</b>                | <b>Db:</b> Sybase |

|                                                |                    |                    |
|------------------------------------------------|--------------------|--------------------|
| <b>Survey:</b> 05/31/08                        | <b>Start Date:</b> | 05/31/2008         |
| KSRG 0'-1574'                                  | <b>Engineer:</b>   | Melendez w/Geogyro |
| <b>Company:</b> Scientific Drilling Internatio | <b>Tied-to:</b>    | From Surface       |
| <b>Tool:</b> Keeper;Keeper Gyro                |                    |                    |

## Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | ClsD<br>ft | ClsA<br>deg |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 0.00     | 0.00        | 359.35      | 0.00      | 0.00     | 0.00      | 0.00      | 0.00             | 0.00       | 0.00        |
| 100.00   | 0.95        | 158.90      | 100.00    | 0.29     | -0.77     | 0.30      | 0.95             | 0.83       | 158.90      |
| 200.00   | 0.48        | 149.97      | 199.99    | 0.79     | -1.91     | 0.81      | 0.48             | 2.07       | 157.10      |
| 300.00   | 0.20        | 232.21      | 299.99    | 0.85     | -2.38     | 0.88      | 0.49             | 2.54       | 159.74      |
| 400.00   | 0.42        | 254.42      | 399.98    | 0.36     | -2.58     | 0.39      | 0.25             | 2.61       | 171.48      |
| 500.00   | 0.54        | 274.23      | 499.98    | -0.46    | -2.65     | -0.44     | 0.20             | 2.68       | 189.34      |
| 600.00   | 0.48        | 265.82      | 599.98    | -1.35    | -2.64     | -1.32     | 0.10             | 2.96       | 206.59      |
| 700.00   | 0.50        | 272.22      | 699.97    | -2.21    | -2.66     | -2.18     | 0.06             | 3.44       | 219.33      |
| 800.00   | 0.44        | 304.88      | 799.97    | -2.95    | -2.42     | -2.93     | 0.27             | 3.80       | 230.42      |
| 900.00   | 0.88        | 319.87      | 899.96    | -3.76    | -1.61     | -3.74     | 0.47             | 4.07       | 246.64      |
| 1000.00  | 0.98        | 324.59      | 999.95    | -4.73    | -0.33     | -4.73     | 0.13             | 4.74       | 266.00      |
| 1100.00  | 1.01        | 324.91      | 1099.94   | -5.72    | 1.09      | -5.73     | 0.03             | 5.83       | 280.75      |
| 1200.00  | 0.64        | 330.47      | 1199.92   | -6.49    | 2.30      | -6.51     | 0.38             | 6.91       | 289.41      |
| 1300.00  | 0.39        | 326.95      | 1299.92   | -6.94    | 3.07      | -6.97     | 0.25             | 7.62       | 293.73      |
| 1400.00  | 0.34        | 355.75      | 1399.92   | -7.14    | 3.65      | -7.18     | 0.19             | 8.05       | 296.93      |
| 1500.00  | 0.36        | 35.53       | 1499.92   | -6.98    | 4.20      | -7.02     | 0.24             | 8.18       | 300.88      |
| 1574.00  | 0.36        | 93.84       | 1573.92   | -6.61    | 4.37      | -6.65     | 0.47             | 7.96       | 303.31      |



Scientific  
Drilling

# Scientific Drilling International Survey Report

|                                       |                                   |                                         |                   |
|---------------------------------------|-----------------------------------|-----------------------------------------|-------------------|
| <b>Company:</b> APACHE CORPORATION    | <b>Date:</b> 08/04/2008           | <b>Time:</b> 16:08:44                   | <b>Page:</b> 1    |
| <b>Field:</b> House                   | <b>Co-ordinate(NE) Reference:</b> | <b>Site:</b> Lea County, NM, Grid North |                   |
| <b>Site:</b> Lea County, NM           | <b>Vertical (TVD) Reference:</b>  | <b>SITE</b> 0.0                         |                   |
| <b>Well:</b> Melot #2                 | <b>Section (VS) Reference:</b>    | <b>Well</b> (0.00N,0.00E,89.39Azi)      |                   |
| <b>Wellpath:</b> DH - Job #32D0508399 | <b>Survey Calculation Method:</b> | <b>Minimum Curvature</b>                | <b>Db:</b> Sybase |

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| <b>Survey:</b> 05/30/08-06/11/08               | <b>Start Date:</b> 05/30/2008         |
| MWD 1650'-7288'                                |                                       |
| <b>Company:</b> Scientific Drilling Internatio | <b>Engineer:</b> Hernandez/Ramirez    |
| <b>Tool:</b> MWD;MWD                           | <b>Tied-to:</b> From: Definitive Path |

## Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | ClsD<br>ft | ClsA<br>deg |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 1574.00  | 0.36        | 93.84       | 1573.92   | -6.61    | 4.37      | -6.65     | 0.00             | 7.96       | 303.31      |
| 1650.00  | 0.60        | 88.93       | 1649.91   | -5.97    | 4.36      | -6.02     | 0.32             | 7.43       | 305.95      |
| 1745.00  | 0.99        | 142.64      | 1744.90   | -4.98    | 3.72      | -5.02     | 0.84             | 6.25       | 306.54      |
| 1839.00  | 3.71        | 111.70      | 1838.82   | -1.68    | 1.95      | -1.70     | 3.09             | 2.59       | 318.88      |
| 1933.00  | 5.44        | 118.25      | 1932.52   | 5.03     | -1.28     | 5.05      | 1.92             | 5.21       | 104.26      |
|          |             |             |           |          |           |           |                  |            |             |
| 2028.00  | 7.90        | 115.86      | 2026.87   | 14.82    | -6.26     | 14.89     | 2.61             | 16.15      | 112.81      |
| 2124.00  | 9.80        | 108.78      | 2121.72   | 28.44    | -11.77    | 28.56     | 2.28             | 30.90      | 112.40      |
| 2219.00  | 11.33       | 105.18      | 2215.11   | 45.05    | -16.82    | 45.23     | 1.75             | 48.25      | 110.40      |
| 2344.00  | 11.78       | 96.44       | 2337.59   | 69.53    | -21.46    | 69.76     | 1.44             | 72.99      | 107.10      |
| 2470.00  | 12.01       | 88.38       | 2460.89   | 95.40    | -22.54    | 95.64     | 1.33             | 98.26      | 103.26      |
|          |             |             |           |          |           |           |                  |            |             |
| 2533.00  | 10.92       | 89.57       | 2522.63   | 107.92   | -22.31    | 108.16    | 1.77             | 110.44     | 101.65      |
| 2658.00  | 10.66       | 87.33       | 2645.42   | 131.31   | -21.68    | 131.55    | 0.39             | 133.33     | 99.36       |
| 2784.00  | 10.80       | 86.26       | 2769.22   | 154.75   | -20.37    | 154.97    | 0.19             | 156.31     | 97.49       |
| 2910.00  | 9.12        | 88.93       | 2893.32   | 176.52   | -19.41    | 176.74    | 1.38             | 177.80     | 96.27       |
| 3036.00  | 8.64        | 86.46       | 3017.81   | 195.96   | -18.64    | 196.17    | 0.49             | 197.05     | 95.43       |
|          |             |             |           |          |           |           |                  |            |             |
| 3162.00  | 8.08        | 85.96       | 3142.47   | 214.25   | -17.43    | 214.45    | 0.45             | 215.16     | 94.65       |
| 3288.00  | 7.73        | 85.03       | 3267.27   | 231.54   | -16.07    | 231.72    | 0.30             | 232.28     | 93.97       |
| 3414.00  | 7.73        | 93.71       | 3392.13   | 248.44   | -15.89    | 248.62    | 0.93             | 249.13     | 93.66       |
| 3540.00  | 6.86        | 95.82       | 3517.11   | 264.37   | -17.20    | 264.56    | 0.72             | 265.12     | 93.72       |
| 3633.00  | 7.10        | 87.19       | 3609.42   | 275.63   | -17.48    | 275.83    | 1.16             | 276.38     | 93.63       |
|          |             |             |           |          |           |           |                  |            |             |
| 3726.00  | 7.37        | 87.26       | 3701.68   | 287.33   | -16.91    | 287.53    | 0.29             | 288.03     | 93.37       |
| 3824.00  | 8.46        | 85.69       | 3798.74   | 300.81   | -16.07    | 301.00    | 1.13             | 301.43     | 93.06       |
| 3950.00  | 9.63        | 85.71       | 3923.18   | 320.58   | -14.59    | 320.75    | 0.93             | 321.08     | 92.60       |
| 4076.00  | 9.14        | 86.38       | 4047.49   | 341.09   | -13.17    | 341.25    | 0.40             | 341.50     | 92.21       |
| 4203.00  | 8.48        | 88.46       | 4172.99   | 360.52   | -12.28    | 360.67    | 0.58             | 360.88     | 91.95       |
|          |             |             |           |          |           |           |                  |            |             |
| 4327.00  | 8.14        | 84.66       | 4295.69   | 378.41   | -11.21    | 378.55    | 0.52             | 378.72     | 91.70       |
| 4454.00  | 9.84        | 85.98       | 4421.12   | 398.21   | -9.62     | 398.33    | 1.35             | 398.45     | 91.38       |
| 4579.00  | 9.63        | 87.23       | 4544.32   | 419.32   | -8.36     | 419.43    | 0.24             | 419.51     | 91.14       |
| 4705.00  | 9.31        | 88.72       | 4668.61   | 440.04   | -7.63     | 440.15    | 0.32             | 440.21     | 90.99       |
| 4829.00  | 9.05        | 87.94       | 4791.02   | 459.82   | -7.05     | 459.92    | 0.23             | 459.98     | 90.88       |
|          |             |             |           |          |           |           |                  |            |             |
| 4955.00  | 8.97        | 89.74       | 4915.46   | 479.55   | -6.65     | 479.65    | 0.23             | 479.69     | 90.79       |
| 5112.00  | 9.16        | 91.65       | 5070.50   | 504.28   | -6.95     | 504.38    | 0.23             | 504.43     | 90.79       |
| 5238.00  | 8.73        | 88.81       | 5194.97   | 523.86   | -7.04     | 523.96    | 0.49             | 524.01     | 90.77       |
| 5316.00  | 8.46        | 89.14       | 5272.10   | 535.51   | -6.84     | 535.62    | 0.35             | 535.66     | 90.73       |
| 5490.00  | 8.23        | 88.88       | 5444.25   | 560.77   | -6.40     | 560.87    | 0.13             | 560.90     | 90.65       |
|          |             |             |           |          |           |           |                  |            |             |
| 5585.00  | 8.15        | 88.65       | 5538.28   | 574.30   | -6.11     | 574.40    | 0.09             | 574.43     | 90.61       |
| 5680.00  | 7.63        | 89.45       | 5632.39   | 587.34   | -5.89     | 587.44    | 0.56             | 587.47     | 90.57       |
| 5743.00  | 7.34        | 86.53       | 5694.85   | 595.54   | -5.61     | 595.64    | 0.76             | 595.66     | 90.54       |
| 5837.00  | 5.83        | 87.35       | 5788.23   | 606.31   | -5.02     | 606.40    | 1.61             | 606.42     | 90.47       |
| 5901.00  | 5.99        | 89.41       | 5851.89   | 612.90   | -4.84     | 612.98    | 0.42             | 613.00     | 90.45       |
|          |             |             |           |          |           |           |                  |            |             |
| 5995.00  | 5.30        | 90.00       | 5945.43   | 622.14   | -4.79     | 622.23    | 0.74             | 622.25     | 90.44       |
| 6090.00  | 4.00        | 86.84       | 6040.11   | 629.84   | -4.60     | 629.93    | 1.39             | 629.94     | 90.42       |
| 6153.00  | 3.40        | 93.18       | 6102.98   | 633.90   | -4.59     | 633.99    | 1.15             | 634.00     | 90.41       |
| 6184.00  | 2.69        | 94.35       | 6133.94   | 635.54   | -4.69     | 635.63    | 2.30             | 635.65     | 90.42       |
| 6247.00  | 0.98        | 89.74       | 6196.90   | 637.56   | -4.80     | 637.64    | 2.72             | 637.66     | 90.43       |
|          |             |             |           |          |           |           |                  |            |             |
| 6311.00  | 0.40        | 79.20       | 6260.90   | 638.32   | -4.76     | 638.41    | 0.92             | 638.43     | 90.43       |
| 6405.00  | 0.29        | 111.71      | 6354.90   | 638.87   | -4.78     | 638.95    | 0.23             | 638.97     | 90.43       |
| 6531.00  | 0.22        | 81.21       | 6480.90   | 639.40   | -4.87     | 639.49    | 0.12             | 639.51     | 90.44       |
| 6656.00  | 0.27        | 34.61       | 6605.90   | 639.81   | -4.59     | 639.89    | 0.16             | 639.91     | 90.41       |



Scientific  
Drilling

# Scientific Drilling International

## Survey Report

Company: APACHE CORPORATION

Field: House

Site: Lea County, NM

Well: Melot #2

Wellpath: DH - Job #32D0508399

Date: 08/04/2008

Time: 16:08:44

Page: 2

Co-ordinate(NE) Reference:

Site: Lea County, NM, Grid North

Vertical (TVD) Reference:

SITE 0.0

Section (VS) Reference:

Well: (0.00N,0.00E,89.39Azi)

Survey Calculation Method:

Minimum Curvature

Db: Sybase

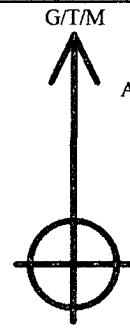
### Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | ClsD<br>ft | ClsA<br>deg |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 6719.00  | 0.08        | 49.28       | 6668.90   | 639.93   | -4.44     | 640.01    | 0.31             | 640.03     | 90.40       |
| 6845.00  | 0.15        | 275.08      | 6794.90   | 639.83   | -4.36     | 639.91    | 0.17             | 639.93     | 90.39       |
| 6971.00  | 0.38        | 319.46      | 6920.89   | 639.40   | -4.03     | 639.48    | 0.23             | 639.49     | 90.36       |
| 7097.00  | 0.29        | 326.27      | 7046.89   | 638.96   | -3.45     | 639.03    | 0.08             | 639.04     | 90.31       |
| 7223.00  | 0.51        | 328.75      | 7172.89   | 638.50   | -2.70     | 638.56    | 0.18             | 638.57     | 90.24       |
| 7288.00  | 0.59        | 339.50      | 7237.89   | 638.23   | -2.14     | 638.29    | 0.20             | 638.30     | 90.19       |



Scientific  
Drilling

Field: House  
Site: Lea County, NM  
Well: Melot #2  
Wellpath: DH - Job #32D0508399  
Survey: 05/30/08-06/11/08



Azimuths to Grid North  
True North: 0.00°  
Magnetic North: 0.00°

Magnetic Field  
Strength: 0nT  
Dip Angle: 0.00°  
Date: 07/31/2008  
Model: igrf2000

