

|             |              |                                 |
|-------------|--------------|---------------------------------|
| API number: | 30-025-39010 |                                 |
| OGRID:      |              | Operator: SAMSON RESOURCES CO   |
|             |              | Property: LEA FEDERAL UNIT # 22 |

|         |          |          |         |       |
|---------|----------|----------|---------|-------|
| surface | ULSTR: H | 12       | T 20S   | R 34E |
|         |          | 1980 FNL | 980 FEL |       |

|        |          |          |         |       |
|--------|----------|----------|---------|-------|
| BH Loc | ULSTR: H | 12       | T 20S   | R 34E |
|        |          | 1980 FNL | 980 FEL |       |

|               |      |     |      |     |       |
|---------------|------|-----|------|-----|-------|
| Ground Level: | 3673 | DF: | 3690 | KB: | 3691  |
| Datum:        | KB   |     |      | TD: | 11495 |

|       |     |                       |            |            |
|-------|-----|-----------------------|------------|------------|
| Land: | FEE | Completion Date: (1)  | 11/1/2008  |            |
|       |     | Date Logs Received:   | 12/11/2008 | ***LATE*** |
|       |     | Date Logs Due in: (2) | 11/21/2008 |            |

|               |    |  |  |           |  |
|---------------|----|--|--|-----------|--|
| 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 |       |                                      |
|----------|----------------|-------|--------------------------------------|
| DSN/SDL  | 200            | 11153 | Spectral Density Dual Spaced Neutron |
| DLL/MGRD | 5595           | 11208 | Dual Laterolog Micro Guard Log       |
| BHPT     | 200            | 11172 | Bore Hole Temperature Plot           |
|          |                |       |                                      |
|          |                |       |                                      |
|          |                |       |                                      |
|          |                |       |                                      |
|          |                |       |                                      |
|          |                |       |                                      |
|          |                |       |                                      |

# K<sub>z</sub> OCD TOPS

|              |       |           |  |  |
|--------------|-------|-----------|--|--|
| Rustler      | 1737  | Strawn    |  |  |
| Tansill      |       | Atoka     |  |  |
| Yates        |       | Morrow    |  |  |
| 7R           |       |           |  |  |
| T. Bowers Sd |       | Austin    |  |  |
| B. Bowers Sd |       | Chester   |  |  |
| Queen        |       | Miss Lime |  |  |
| Penrose      |       |           |  |  |
| Grayburg     |       |           |  |  |
| Getaway Bank |       |           |  |  |
|              |       |           |  |  |
| Delaware Sd  | 5772  |           |  |  |
| Bone Spring  | 8220  |           |  |  |
| 1st Sd       | 9534  |           |  |  |
| 2nd Carb     | 9830  |           |  |  |
| 2nd Sd       | 10100 |           |  |  |
| 3rd Carb     | 10595 |           |  |  |
| 3rd Sd       | 10870 |           |  |  |
| Wolfcamp     | 10993 |           |  |  |

**McVAY DRILLING COMPANY**

P.O. Box 2450  
Hobbs, New Mexico 88241  
(575) 397-3311  
FAX: 39-DRILL

Well Name and Num: <sup>Federal</sup> Lea Unit #22 Unit #4 30-025-39010  
Location: Sec 12, T20S, R34E 1980/W & 980/E  
Operator: Samson Resources  
Drilling Contractor: McVay Drilling Company

The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

| <u>Degrees @</u> | <u>Depth</u> | <u>Degrees @</u> | <u>Depth</u> |
|------------------|--------------|------------------|--------------|
| 2.80             | 610          | 0.37             | 6042         |
| 0.69             | 866          | 0.22             | 6548         |
| 1.35             | 1249         | 0.60             | 7025         |
| 0.25             | 1662         | 0.27             | 7533         |
| 0.19             | 2171         | 0.58             | 7852         |
| 0.73             | 2648         | 0.65             | 8107         |
| 2.00             | 3125         | 1.06             | 8362         |
| 3.40             | 3408         | 0.95             | 8618         |
| 3.97             | 3951         | 0.85             | 8903         |
| 3.54             | 4142         | 1.73             | 9191         |
| 2.16             | 4301         | 2.04             | 9478         |
| 1.46             | 4491         | 1.23             | 9968         |
| 1.08             | 4682         | 3.34             | 10436        |
| 0.52             | 4870         | 1.46             | 11200        |
| 0.12             | 5092         |                  |              |
| 0.42             | 5560         |                  |              |

Drilling Contractor: McVay Drilling Company

By: H.H. [Signature]

Subscribed and sworn to before me this 30th day of September, 2008

[Signature]  
Notary Public

My Commission Expires: 8-16-09 Lea County, New Mexico

KZ

REFERENCE SHEET FOR  
UNDESIGNATED WELLS

|         | Fm | Pm | N | Pc |
|---------|----|----|---|----|
| 17-21 C | XX | XX |   | XX |
|         |    |    |   |    |
|         |    |    |   |    |
|         |    |    |   |    |

|                  |            |
|------------------|------------|
| 1. Date:         | 12/12/2008 |
| 2. Type of Well: |            |
| Oil:             | XX         |
| Gas:             |            |
| 3. County:       | LEA        |

paragraph

|                                     |                                          |          |                                                         |               |                  |
|-------------------------------------|------------------------------------------|----------|---------------------------------------------------------|---------------|------------------|
| 4 Operator                          | SAMSON RESOURCES CO                      |          |                                                         | API NUMBER    | 30 - 025 - 38451 |
| 5 Address of Operator               | TWO WEST SECOND STREET<br>TULSA OK 74103 |          |                                                         |               |                  |
| 6 Lease name or Unit Agreement Name | LEA FEDERAL UNIT                         |          |                                                         | 7 Well Number | # - 22           |
| 8 Well Location                     |                                          |          |                                                         |               |                  |
| Unit Letter                         | H                                        | 1980     | feet from the                                           | N             | line and         |
| Section                             | 12                                       | Township | 20S                                                     | Range         | 34E              |
| 9 Completion Date                   | 11/1/2008                                |          | 11 Perfs                                                | Top           | Bottom           |
|                                     |                                          |          |                                                         | 9544          | 10976            |
| 10 Name of Producing Formation(s)   | BONE SPRING                              |          | 12 Open Hole Casing shoe                                | Bottom        | TD               |
|                                     |                                          |          |                                                         |               | 11495            |
| 13 C-123 Filed                      | Date                                     | 15       | Name of Pool Requested or temporary Wildcat designation | Pool ID num   |                  |
| Y                                   | N                                        | XX       | LEA;BONE SPRING                                         | 37570         |                  |
| 16 Remarks                          | EXTEND                                   |          |                                                         |               |                  |

TO BE COMPLETED BY DISTRICT GEOLOGIST

|                                                              |                 |             |
|--------------------------------------------------------------|-----------------|-------------|
| 17 Action taken                                              | 18 Pool Name    | Pool ID num |
| EXTEND                                                       | LEA;BONE SPRING | 37570       |
| <p>T 20 S, R 34 E</p> <p>SEC 2: SW/4</p> <p>SEC 12: NE/4</p> |                 |             |

|                                          |                    |
|------------------------------------------|--------------------|
| 19 Advertised for HEARING                | 20 Case Number     |
| 21 Name of pool for which was advertised | Pool ID num        |
| LEA;BONE SPRING                          | 37570              |
| 22 Placed in Pool                        | 23 By order number |
|                                          | R-                 |