

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

|   |
|---|
| WELL API NO.<br>30-025-09408  |
| 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.  |
| 7. Lease Name or Unit Agreement Name:<br>STATE A A/C 1  |
| 8. Well Number<br>051   |
| 9. OGRID Number<br>148381   |
| 10. Pool name or Wildcat<br>LANGLIE MATTIX 7 RVRS-QUEEN-GB  |

Pit or Below-grade Tank Application ☐ or Closure ☐  
Pit type n/a Depth to Groundwater 149' Distance from nearest fresh water well 1000' + Distance from nearest surface water 1000' +  
Pit Liner Thickness: n/a mil Below-Grade Tank: Volume        bbls; Construction Material       

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

|   |   |
|---|---|
| 1. Type of Well:<br>Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> | 2. Name of Operator<br>MISSION RESOURCES CORPORATION  |
| 3. Address of Operator<br>1100 LOUISIANA, SUITE 4400, HOUSTON, TX 77002   | 4. Well Location<br>Unit Letter <u>N</u> : <u>660</u> feet from the <u>SOUTH</u> line and <u>1980</u> feet from the <u>WEST</u> line<br>Section <u>24</u> Township <u>23S</u> Range <u>36E</u> NMPM County <u>LEA</u> |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3358' KB  |   |

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO:                        |  | SUBSEQUENT REPORT OF:                               |   |
|--|--|---|---|
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input checked="" type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/>              | ALTERING CASING <input type="checkbox"/>      |
| TEMPORARILY ABANDON <input type="checkbox"/>   | CHANGE PLANS <input type="checkbox"/>                | COMMENCE DRILLING OPNS. <input type="checkbox"/>    | PLUG AND ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/>  | MULTIPLE COMPLETION <input type="checkbox"/>         | CASING TEST AND CEMENT JOB <input type="checkbox"/> |   |
| OTHER: <input type="checkbox"/>                |  | OTHER: <input type="checkbox"/>                     |   |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

PLEASE SEE ATTACHED PLUG AND ABANDONMENT PROCEDURE WITH WELLBORE SCHEMATIC.

**THE OIL CONSERVATION DIVISION MUST  
BE NOTIFIED 24 HOURS PRIOR TO THE  
BEGINNING OF PLUGGING OPERATIONS.**



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCAD guidelines ☐ , a general permit ☒ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Nancy K. Gatti TITLE Regulatory Manager DATE 11/02/05  
E-mail address: ngatti@petrohawk.com  
Type or print name Nancy K. Gatti Telephone No. 832-369-2126

For State Use Only

APPROVED BY Larry W. Wink TITLE DE FIELD REPRESENTATIVE II/STAFF MANAGER DATE NOV 07 2005  
Conditions of Approval, if any

**Mission Resources Corp.**  
**State A A/C-1 #51**  
**Jalmat Field**  
**Lea County, NM**  
**November 1, 2005**

**Plugging and Abandonment Procedure**

1. MIRU work over rig. Dump bail 35' of cement on top of CIBP @ 3450'.
2. TIH with workstring. Load hole with gelled 10# brine.
3. Mix and spot 200' cement plug from 2650-2850' (base of salt).
4. Mix and spot 200' cement plug from 1340-1540' (top of salt).
5. Perforate 5-1/2" casing at 345'.
6. Squeeze perfs @ 345' and circulate to surface with 150 sxs cement.
7. Cut off wellhead – weld on P&A marker.
8. Clean off location for OCD inspection.

| FORM              | TOP     |  |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|-------------------|---------|--|---|--------|-------|-----------|------|---------|----------|--|------|-------------|--------|------|-------------------|-----|------|-------------------|-------|------|--|--|--------|--|--|--|-------|------|--------|--|--------|--|--|--|--|
|                   |         | <div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 80%;"> <b>STATE A A/C-1 #51</b><br/> <b>PROPOSED T&amp;A WELLBORE DIAGRAM</b><br/> <b>MISSION RESOURCES</b> </div>   | <div style="border: 1px solid black; padding: 2px;"> <b>SU-T-R</b> 24N-23S-36E    <b>API #:</b> 30-025-09408<br/> <b>POOL:</b> LANGLEIE MATTIX; 7 RIVERS<br/> <b>CO, ST:</b> LEA, NEW MEXICO    <b>LAND TYPE:</b> STATE<br/> <b>STATUS:</b> IN-ACTIVE    <b>ACREAGE</b> 40.12<br/> <b>LATEST RIG WORKOVER:</b><br/> <b>DIAGRAM REVISED:</b> 11/01/05 by D. McPherson         </div> |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         | <div style="border: 1px solid black; padding: 2px; margin: 0 auto; width: 80%;"> <b>LOG ELEVATION:</b> 3,358' KB<br/> <b>GROUND ELEVATION:</b> 3,347'         </div>   |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         | <div style="border: 1px solid black; padding: 2px; margin: 0 auto; width: 80%;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>CASING</th> <th>LINER</th> <th>TUBING</th> </tr> </thead> <tbody> <tr><td>Hole</td><td>12 1/4"</td><td>7 7/8"</td><td></td></tr> <tr><td>Pipe</td><td>8 5/8"</td><td>5 1/2"</td><td></td></tr> <tr><td>Weight</td><td>24#</td><td>14#</td><td></td></tr> <tr><td>Grade</td><td></td><td></td><td></td></tr> <tr><td>Thread</td><td></td><td></td><td></td></tr> <tr><td>Depth</td><td>334'</td><td>3,674'</td><td></td></tr> <tr><td>Mud wt</td><td></td><td></td><td></td></tr> </tbody> </table> </div> |   | CASING | LINER | TUBING    | Hole | 12 1/4" | 7 7/8"   |  | Pipe | 8 5/8"      | 5 1/2" |      | Weight            | 24# | 14#  |                   | Grade |      |  |  | Thread |  |  |  | Depth | 334' | 3,674' |  | Mud wt |  |  |  |  |
|                   | CASING  | LINER  | TUBING  |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
| Hole              | 12 1/4" | 7 7/8"   |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
| Pipe              | 8 5/8"  | 5 1/2"   |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
| Weight            | 24#     | 14#  |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
| Grade             |         |  |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
| Thread            |         |  |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
| Depth             | 334'    | 3,674'   |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
| Mud wt            |         |  |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         | <div style="border: 1px solid black; padding: 2px; margin: 0 auto; width: 80%;"> <b>LOGS</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td>Sonic</td><td></td><td>1959</td></tr> <tr><td>Gamma Ray</td><td></td><td>1959</td></tr> <tr><td>Laterlog</td><td></td><td>1959</td></tr> <tr><td>Temperature</td><td></td><td>1959</td></tr> <tr><td>Flow Meter Survey</td><td></td><td>1964</td></tr> <tr><td>Ejecto Log Tracer</td><td></td><td>1964</td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> </tbody> </table> </div>  | Sonic   |        | 1959  | Gamma Ray |      | 1959    | Laterlog |  | 1959 | Temperature |        | 1959 | Flow Meter Survey |     | 1964 | Ejecto Log Tracer |       | 1964 |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
| Sonic             |         | 1959   |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
| Gamma Ray         |         | 1959   |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
| Laterlog          |         | 1959   |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
| Temperature       |         | 1959   |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
| Flow Meter Survey |         | 1964   |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
| Ejecto Log Tracer |         | 1964   |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         |  |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         |  |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         |  |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         | <div style="border: 1px solid black; padding: 2px; margin: 0 auto; width: 80%;"> <b>7 RVRS ZONE HISTORY</b> <div style="border: 1px solid black; height: 100px; margin-top: 5px;"></div> </div>  |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         | <div style="border: 1px solid black; padding: 2px; margin: 0 auto; width: 80%;"> <b>OPPORTUNITY</b> <p>Tansill, Yates, 7 Rivers not produced.</p> </div>   |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         | <div style="border: 1px solid black; padding: 2px; margin: 0 auto; width: 80%;"> <b>LANGLIE MATTIX (LWR 7RVRS-QUEEN) HISTORY</b> <p>4/59 Spud. 4/59 Initial Completion.<br/> <b>Perforated</b> 3508-3586'.<br/> <b>SOF</b> 25,000 gal &amp; 50,000# (2) stages<br/> <b>IPF</b> 94 BOPD, 6 BWPD, 1369 MCF<br/> <b>2/64</b> SOF 20,000 gal &amp; 20,000# in (4) stages<br/> <b>Before</b> 5.5 BOPD, 308 MCF, .69 BW<br/> <b>After</b> 17.3 BOPD, 656 MCF, .69 BW<br/> <b>SI</b> 1/89 to 12/93<br/> <b>Produced</b> to 6/97<br/> <b>SI</b> 6/97 to present</p> </div>   |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         | <div style="border: 1px solid black; padding: 2px; margin: 0 auto; width: 80%;"> <b>Well Cored</b><br/>           3,540-3,675'<br/> <b>Detail Log Analysis</b><br/>           3,470-3,660'         </div>  |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         | <div style="border: 1px solid black; padding: 2px; margin: 0 auto; width: 80%;"> <b>200' cement plug from 1340-1540'</b> </div>  |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         | <div style="border: 1px solid black; padding: 2px; margin: 0 auto; width: 80%;"> <b>TOC @ 2,300' by Temp surv.</b> </div>  |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         | <div style="border: 1px solid black; padding: 2px; margin: 0 auto; width: 80%;"> <b>200' cement plug from 2650-2850'</b> </div>  |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         | <div style="border: 1px solid black; padding: 2px; margin: 0 auto; width: 80%;"> <b>Set CIBP @ 3450'</b> </div>  |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         | <div style="border: 1px solid black; padding: 2px; margin: 0 auto; width: 80%;"> <b>Perf 3508-3586' (4 SPF)</b><br/>           3,508-15, 3,519-23, 3,525-29, 3,531-34,<br/>           3,558-62, 3,566-71, 3,574-78, 3,582-86<br/>           5 1/2" @ 3,674' w/250 sx Cmt         </div>  |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         | <div style="border: 1px solid black; padding: 2px; margin: 0 auto; width: 80%;"> <b>PBTD 3,664'</b><br/> <b>TD 3,675'</b> </div>   |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         | <div style="border: 1px solid black; padding: 2px; margin: 0 auto; width: 80%;"> <b>Top of salt @ 1440'</b> </div>   |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         | <div style="border: 1px solid black; padding: 2px; margin: 0 auto; width: 80%;"> <b>Base of salt @ 2750'</b> </div>  |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         | <div style="border: 1px solid black; padding: 2px; margin: 0 auto; width: 80%;"> <b>TANSILL</b> 2,800'<br/>           (file pick)         </div>   |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         | <div style="border: 1px solid black; padding: 2px; margin: 0 auto; width: 80%;"> <b>YATES</b> 2,918'         </div>  |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         | <div style="border: 1px solid black; padding: 2px; margin: 0 auto; width: 80%;"> <b>7 RVRS</b> 3,151'         </div>   |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |
|                   |         | <div style="border: 1px solid black; padding: 2px; margin: 0 auto; width: 80%;"> <b>QUEEN</b> 3,489'         </div>  |   |        |       |           |      |         |          |  |      |             |        |      |                   |     |      |                   |       |      |  |  |        |  |  |  |       |      |        |  |        |  |  |  |  |

☒ Well File

☒ OCD File

Current