

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, 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-101  
May 27, 2004

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

<sup>1</sup> Operator Name and Address <b>B.C. OPERATING, INC., P.O. Box 50820, Midland, TX 79710</b>		<sup>2</sup> OGRID Number <b>160825</b>
		<sup>3</sup> API Number <b>30 - 025 - 37858</b>
<sup>4</sup> Property Code <b>35625</b>	<sup>5</sup> Property Name <b>Jammer</b>	<sup>6</sup> Well No. <b>1</b>
<sup>9</sup> Proposed Pool 1 <b>Sanmal</b> <del>Kennitz, West (Wolfcamp)</del>		<sup>10</sup> Proposed Pool 2

**7 Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>P</b>	<b>21</b>	<b>16S</b>	<b>33E</b>		<b>660</b>	<b>South</b>	<b>660</b>	<b>East</b>	<b>Lea</b>

**8 Proposed Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

**Additional Well Information**

<sup>11</sup> Work Type Code <b>N</b>	<sup>12</sup> Well Type Code <b>O</b>	<sup>13</sup> Cable/Rotary <b>R</b>	<sup>14</sup> Lease Type Code <b>S</b>	<sup>15</sup> Ground Level Elevation <b>4207'</b>
<sup>16</sup> Multiple <b>N</b>	<sup>17</sup> Proposed Depth <b>10,800'</b>	<sup>18</sup> Formation <b>Wolfcamp</b>	<sup>19</sup> Contractor <b>Adobe</b>	<sup>20</sup> Spud Date <b>7/1/06</b>
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 14 mils thick Clay <input type="checkbox"/> Pit Volume: <b>24000</b> bbls Drilling Method:				
Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**21 Proposed Casing and Cement Program**

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
<b>17"</b>	<b>13-3/8"</b>	<b>48# H-40</b>	<b>440'</b>	<b>440 "C"</b>	<b>Surface</b>
<b>12 1/4"</b>	<b>8-5/8"</b>	<b>32# J-55</b>	<b>4,500'</b>	<b>700 "C"</b>	<b>Surface</b>
<b>7-7/8"</b>	<b>5 1/2"</b>	<b>17# &amp; 20# N-80</b>	<b>10,800'</b>	<b>800 "C"</b>	<b>7,000'</b>

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

**B.C. OPERATING, INC. proposes to drill/test the Morrow formation. Approximately 440' of surface casing will be set/cemented. Intermediate casing will be set at 4,500', cement cir. to surface. If commercial, production casing will be run/cemented, perforate/stimulate as needed for production.**

**MUD PROGRAM:** 0-440'  
440-4500'  
4500-8500'  
8500-TD

**FW/Spud mud**  
**Brine**  
**Cut Brine**  
**Gel/Starch**

**BOPE PROGRAM:** A 5000# BOPE will be installed on the 8-5/8" casing and tested daily.

**Permit Expires 1 Year From Approval Date Unless Drilling Underway**

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: **Kenneth C. Dickeson**  
Title: **Authorized Agent**  
E-mail Address: **kwidner@usaonline.net**  
Date: **5/3/06**

Phone: **(432) 682-4002**

**OIL CONSERVATION DIVISION**

Approved by:

Title: **PETROLEUM ENGINEER**

Approval Date: **MAY 08 2006**

Expiration Date:

Conditions of Approval Attached ☐

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-37858	Pool Code 54530	Pool Name Sanmal Wolfcamp
Property Code 35675	Property Name JAMMER	Well Number 1
OGRID No. 160825	Operator Name BC OPERATING, INC.	Elevation 4207'

### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	21	16 S	33 E		660	SOUTH	660	EAST	LEA

## Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code		Order No.					

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION


**NOTE:**

1) Plane Coordinates shown hereon are Transverse Mercator Grid and Conform to the "New Mexico Coordinate System", New Mexico East Zone, North American Datum of 1927. Distances shown hereon are mean horizontal surface values.

Plane Coordinate  
X = 706,259.8  
Y = 892,394.3

**OPERATOR CERTIFICATION**

*I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

Signature

5-3-06  
Date

Kenneth C. Dickeson  
Printed Name

**SURVEYOR CERTIFICATION**

*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.*

April 7, 2006

Date of Survey

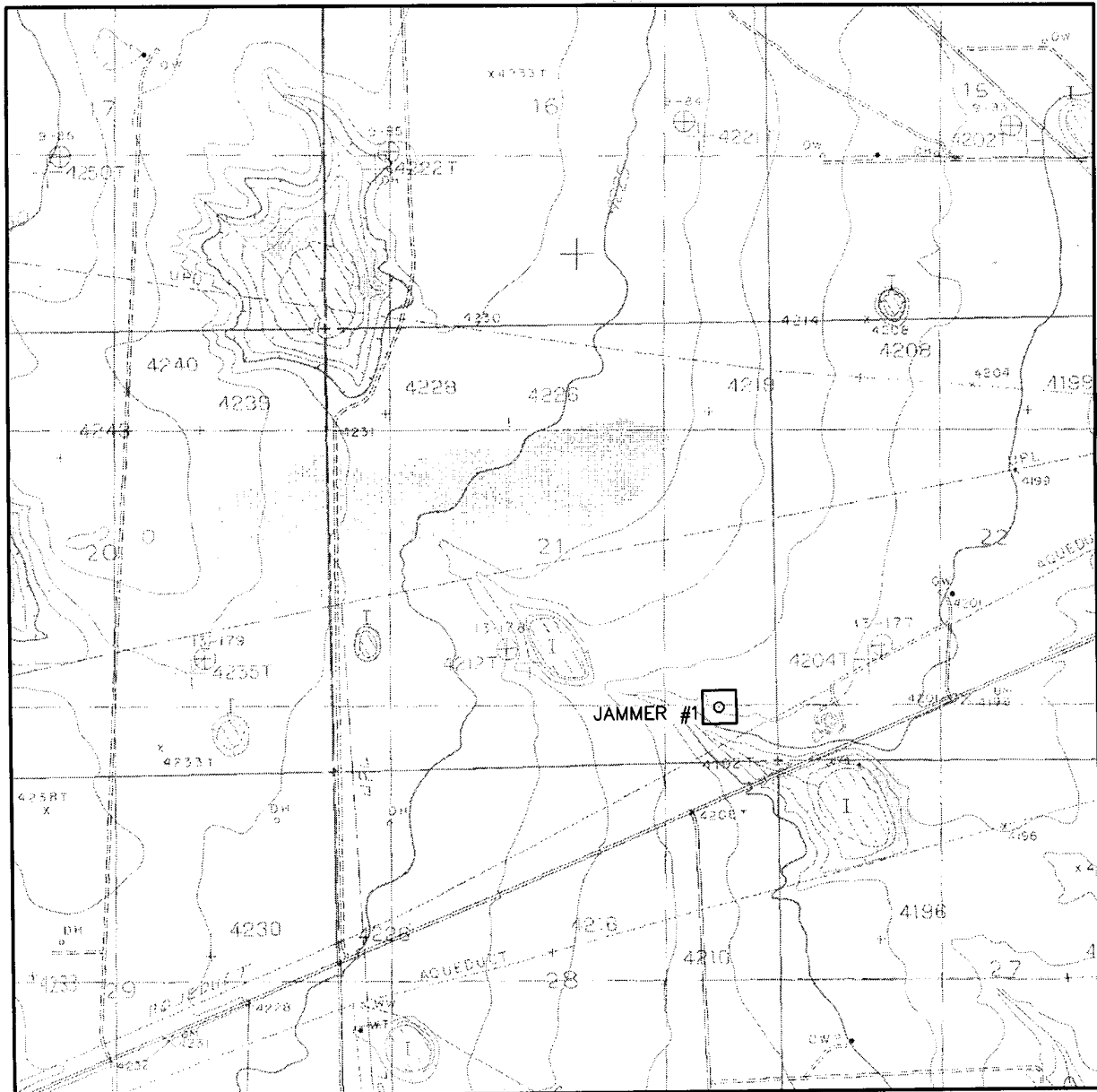
LVA

Signature & Seal of Professional Surveyor

W.O. Num. 2006-0242

Certificate No. MACON McDONALD 12185

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
BUCKEYE NW - 5'

SEC. 21 TWP. 16-S RGE. 33-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 660' FSL & 660' FEL

ELEVATION 4207'

OPERATOR BC OPERATING, INC.

LEASE JAMMER

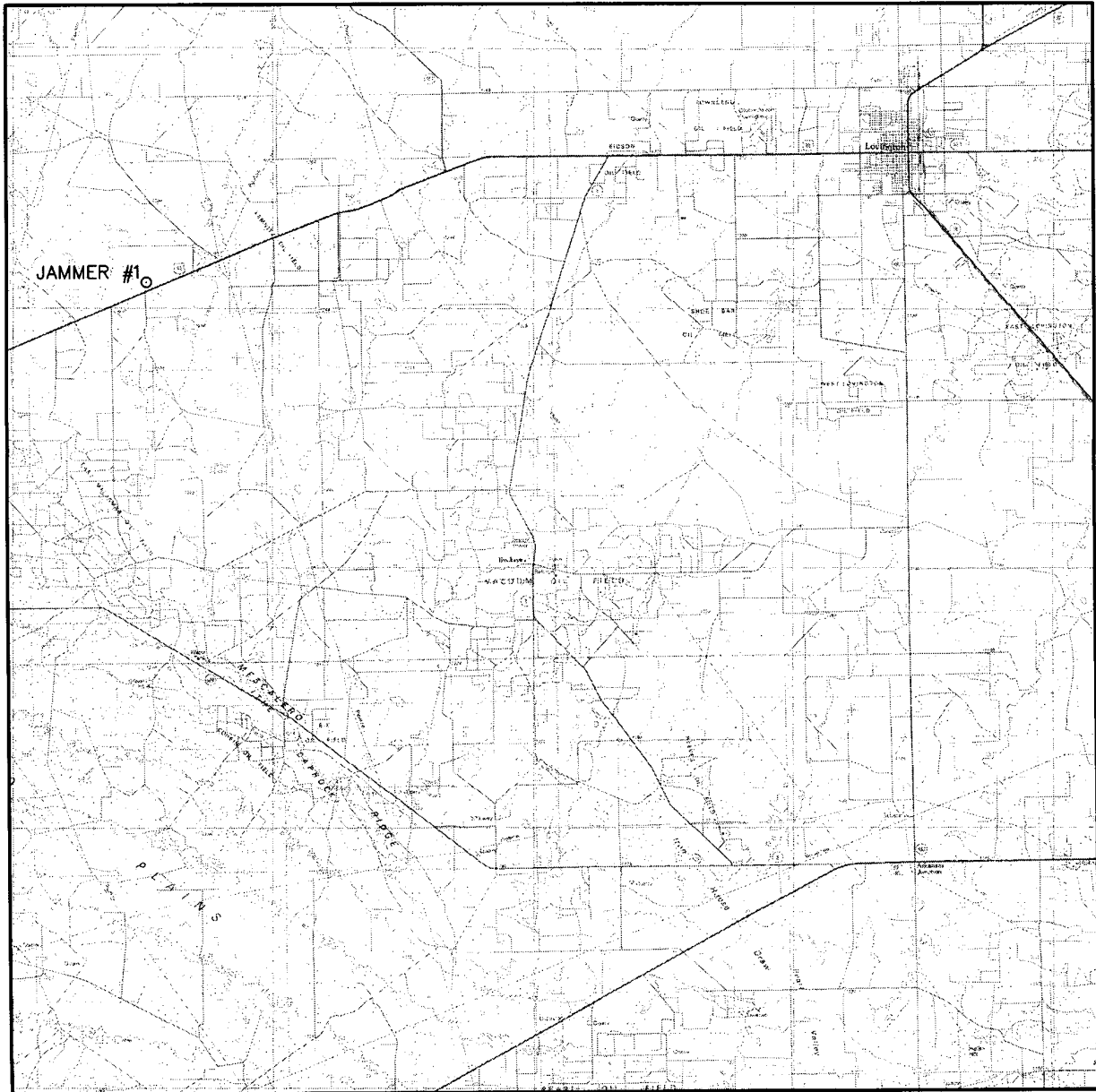
U.S.G.S. TOPOGRAPHIC MAP  
BUCKEYE NW



**WEST  
COMPANY**  
of Midland, Inc.

110 W. LOUISIANA, STE. 110  
MIDLAND TEXAS, 79701  
(432) 687-0865 - (432) 687-0868 FAX

# VICINITY MAP



SCALE: 1" = 4 MILES

SEC. 21 TWP. 16-S RGE. 33-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 660' FSL & 660' FEL

ELEVATION 4207'

OPERATOR BC OPERATING, INC.

LEASE JAMMER



**WEST  
COMPANY**  
of Midland, Inc.

110 W. LOUISIANA, STE. 110  
MIDLAND TEXAS, 79701  
(432) 687-0865 - (432) 687-0868 FAX

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State of New Mexico  
Energy Minerals and Natural Resources

Form C-144  
June 1, 2004

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

For drilling and production facilities, submit to  
appropriate NMOCD District Office.  
For downstream facilities, submit to Santa Fe  
office

**Pit or Below-Grade Tank Registration or Closure**

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator: <b>B.C. OPERATING, INC.</b> Telephone: <b>(432) 683-2950</b> e-mail address: <b>kwidner@usaonline.net</b>		
Address: <b>P.O. Box 50820, Midland, TX 79710</b>		
Facility or well name: <b>Jammer #1</b>	API #: <b>30-025-37858</b>	U/L or Qtr/Qtr <b>P</b> Sec <b>21</b> T <b>16S</b> R <b>33E</b>
County: <b>Lea</b>	Latitude <b>706,259.8</b>	Longitude <b>692,394.3</b> NAD: 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>		
<b>Pit</b> Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <b>14</b> mil Clay <input type="checkbox"/> Pit Volume <b>24,000</b> bbl	<b>Below-grade tank</b> Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not: _____	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet <b>100 feet or more</b>	(20 points) (10 points) <b>( 0 points)</b>
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes <b>No</b>	(20 points) <b>( 0 points)</b>
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet <b>200 feet or more, but less than 1000 feet</b> 1000 feet or more	(20 points) <b>(10 points)</b> ( 0 points)
<b>Ranking Score (Total Points)</b>		<b>10 points</b>

**If this is a pit closure:** (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☐ offsite ☐ If offsite, name of facility: \_\_\_\_\_. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface \_\_\_\_\_ ft. and attach sample results.

(5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

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

Date: **5/3/06**

Printed Name/Title **Kenneth C. Dickeson, Authorized Agent** Signature \_\_\_\_\_

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Printed Name/Title \_\_\_\_\_

**PETROLEUM ENGINEER**

Signature \_\_\_\_\_

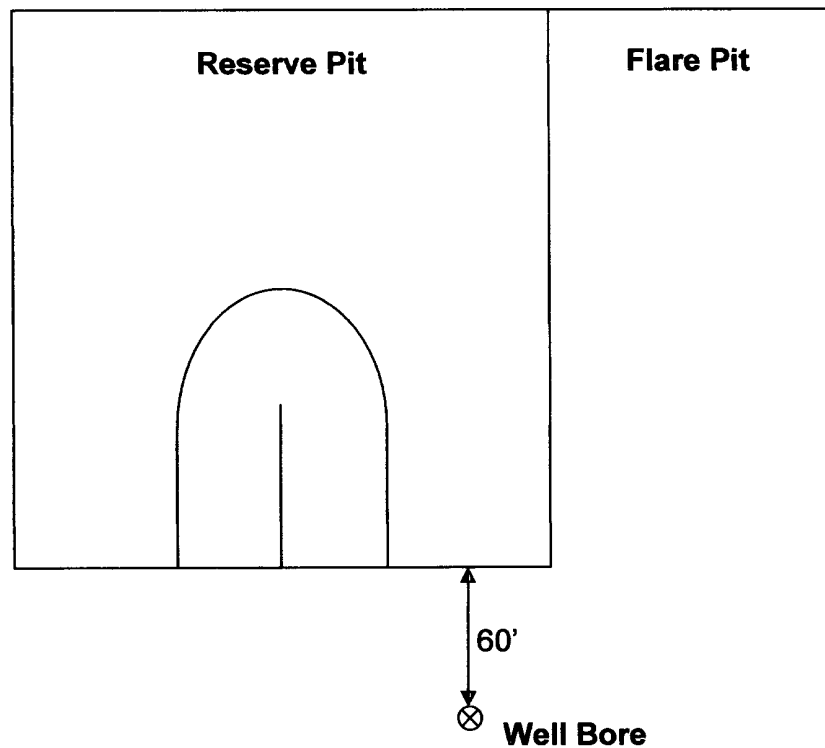
Date: **MAY 08 2006**


## **Jammer #1**

B.C. OPERATING, INC.

*The reserve pit will be to the North. The Southeast corner of the pit will be approximately 60' North of the well bore. The pit will be 150' x 150' and 6' deep with a capacity of 24,000 bbls.*

*Standard reserve pit. All reserve pits that are horse shoe size vary with the depth of the well.*



 The sender of this message has requested a read receipt. [Click here to send a receipt.](#)

**Mull, Donna, EMNRD**

**From:** Phillips, Dorothy, EMNRD  
**To:** Mull, Donna, EMNRD  
**Cc:**  
**Subject:** RE: Financial Assurance Requirement  
**Attachments:**

**Sent:** Mon 5/8/2006 11:16 AM

Apache still has bonds pending on a change of operator that have not been submitted for shut-in wells they are acquiring. All the rest have blanket bonds and do not appear on Jane's list.

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**From:** Mull, Donna, EMNRD  
**Sent:** Monday, May 08, 2006 9:15 AM  
**To:** Phillips, Dorothy, EMNRD  
**Cc:** Macquesten, Gail, EMNRD; Sanchez, Daniel J., EMNRD  
**Subject:** Financial Assurance Requirement

Dorothy,

Is the Financial Assurance Requirement for these Operators OK?

Samson Resources Co ( 20165)  
Apache Corp (873)  
Devon Energy Production Co LP (6137)  
Marbob Energy Corp ( 14049)  
BC Operating Inc (160825)

Please let me know. Thanks and have a nice day. Donna