

## DEPARTMENT OF MINERALS

400 W. King Street, Suite 106

Carson City, Nevada 89710

(702) 885-5050

Orig - NDUM  
Dup - NBM&G  
Trip - DWR  
Quad - DEP

## REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer Round Mountain Gold Corporation Month of December, 1989Address P.O. Box 480, Round Mountain, NV 89045

Show each injection well separately. File not later than the last day of the month for the preceding month.

| Field and lease name      | Well No.         | Geothermal Fluids Injected |                   | Injection pressure | Reservoir formation | Reservoir depth |
|---------------------------|------------------|----------------------------|-------------------|--------------------|---------------------|-----------------|
|                           |                  | Gallons per day            | Gallons per month |                    |                     |                 |
| Round Mountain<br>N-46200 | 34-25<br>DOM 155 | 1,280,932                  | 39,708,900        |                    |                     |                 |
| N-46200                   | 36-25<br>DOM 156 | 1,131,687                  | 35,082,300        |                    |                     |                 |
| Total:                    |                  | 2,412,619                  | 74,791,200        |                    |                     |                 |

Remarks:

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature

Doug Barto

Position

Doug Barto  
Environmental Engineer

Date

January 15, 1990

STATE OF NEVADA  
**DEPARTMENT OF MINERALS**  
 400 W. King Street, Suite 106  
 Carson City, Nevada 89710  
 (702) 885-5050

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**REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS**

Producer Round Mountain Gold Corporation Month of November, 19 89

Address P.O. Box 480, Round Mountain, NV 89045

Show each injection well separately. File not later than the last day of the month for the preceding month.

| Field and lease name      | Well No.         | Geothermal Fluids Injected |                   | Injection pressure | Reservoir formation | Reservoir depth |
|---------------------------|------------------|----------------------------|-------------------|--------------------|---------------------|-----------------|
|                           |                  | Gallons per day            | Gallons per month |                    |                     |                 |
| Round Mountain<br>N-46200 | 34-25<br>DOM 155 | 1,213,187                  | 36,395,600        |                    |                     |                 |
| N-46200                   | 36-25<br>DOM 156 | 1,168,490                  | 35,054,700        |                    |                     |                 |
| TOTAL:                    |                  | 2,381,677                  | 71,450,300        |                    |                     |                 |

Remarks:

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *Doug Barto*  
 Doug Barto  
 Position Environmental Engineer  
 Date December 5, 1989

**ROUND MOUNTAIN GOLD CORPORATION**  
SMOKY VALLEY COMMON OPERATION  
P. O. BOX 480  
ROUND MOUNTAIN, NEVADA 89045  
(702) 377-2366

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November 17, 1989

Mr. Russell A. Fields  
Department of Minerals  
400 West King Street  
Suite #106  
Carson City, NV 89710

Dear Mr. Fields:

Enclosed are the October 1989 reports for the RMGC geothermal system. The system was started October 27, 1989 and ran the last five days of the month.

As you will note, the production and injection report totals do not match exactly. The difference is 28,600 gallons; this is approximately the amount of water it would take to fill the system.

If you have any questions or need any further information, please contact me at (702) 377-2366, Ext. 248.

Sincerely,

  
Doug Barto  
Environmental Engineer

DB:vt

Encl. (as noted)

cc: Mark Casterson (GDA)  
Rich Hoops (BLM)

STATE OF NEVADA  
**DEPARTMENT OF MINERALS**  
 400 W. King Street, Suite 106  
 Carson City, Nevada 89710  
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**REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS**

Producer Round Mountain Gold Corporation Month of October, 1989

Address P. O. Box 480 Round Mountain, NV 89045

Show each injection well separately. File not later than the last day of the month for the preceding month.

| Field and lease name      | Well No.         | Geothermal Fluids Injected |                   | Injection pressure | Reservoir formation | Reservoir depth |
|---------------------------|------------------|----------------------------|-------------------|--------------------|---------------------|-----------------|
|                           |                  | Gallons per day            | Gallons per month |                    |                     |                 |
| Round Mountain<br>N-46200 | 34-25<br>DOM-155 | 1,147,920<br>@ 5 days      | 5,739,600         |                    |                     |                 |
| N-46200                   | 36-25<br>DOM-156 | 1,111,550<br>@ 2 days      | 2,223,100         |                    |                     |                 |
|                           |                  |                            | 7,962,700         |                    |                     |                 |

Remarks: Started geothermal system 10-27-89

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *Doug Bafto*  
 Doug Bafto  
 Position Environmental Engineer  
 Date November 17, 1989

STATE OF NEVADA  
**DEPARTMENT OF MINERALS**  
 400 W. King Street, Suite 106  
 Carson City, Nevada 89710  
 (702) 885-5050

Orig - NDOM  
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**REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS**

Producer Round Mountain Gold Corporation Month of September, 19 89

Address P.O. Box 480, Round Mountain, NV 89045

Show each injection well separately. File not later than the last day of the month for the preceding month.

| Field and lease name      | Well No.         | Geothermal Fluids Injected |                   | Injection pressure | Reservoir formation | Reservoir depth |
|---------------------------|------------------|----------------------------|-------------------|--------------------|---------------------|-----------------|
|                           |                  | Gallons per day            | Gallons per month |                    |                     |                 |
| Round Mountain<br>N-46200 | 34-25<br>DOM 155 | -0-                        | -0-               |                    |                     |                 |
| N-46200                   | 36-25<br>DOM 156 | -0-                        | -0-               |                    |                     |                 |

Remarks: Geothermal system did not operate during the month of September.

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *Doug Barto*  
 Doug Barto  
 Position Environmental Engineer  
 Date October 10, 1989

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 Carson City, Nevada 89710  
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**REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS**

Producer Round Mountain Gold Corporation Month of August, 19 89

Address P.O. Box 480, Round Mountain, NV 89045

Show each injection well separately. File not later than the last day of the month for the preceding month.

| Field and lease name      | Well No.        | Geothermal Fluids Injected |                   | Injection pressure | Reservoir formation | Reservoir depth |
|---------------------------|-----------------|----------------------------|-------------------|--------------------|---------------------|-----------------|
|                           |                 | Gallons per day            | Gallons per month |                    |                     |                 |
| Round Mountain<br>N-46200 | 34-25<br>DOM155 | -0-                        | -0-               |                    |                     |                 |
| N-46200                   | 36-25<br>DOM156 | -0-                        | -0-               |                    |                     |                 |

Remarks: Geothermal System did not run during the month of August.

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *Doug Barto*  
 Doug Barto  
 Position Environmental Engineer  
 Date September 1, 1989

STATE OF NEVADA  
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**REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS**

Producer Round Mountain Gold Corporation Month of July, 19 89

Address P.O. Box 480, Round Mountain, NV 89045

Show each injection well separately. File not later than the last day of the month for the preceding month.

| Field and lease name      | Well No.         | Geothermal Fluids Injected |                   | Injection pressure | Reservoir formation | Reservoir depth |
|---------------------------|------------------|----------------------------|-------------------|--------------------|---------------------|-----------------|
|                           |                  | Gallons per day            | Gallons per month |                    |                     |                 |
| Round Mountain<br>N-46200 | 34-25<br>DOM 155 | -0-                        | -0-               |                    |                     |                 |
| N-46200                   | 36-25<br>DOM 156 | -0-                        | -0-               |                    |                     |                 |

Remarks: System did not operate during July.

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *Doug Barto*  
 Doug Barto  
 Position Environmental Engineer  
 Date August 1, 1989

STATE OF NEVADA  
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 400 W. King Street, Suite 106  
 Carson City, Nevada 89710  
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**REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS**

Producer Round Mountain Gold Corporation Month of June, 19 89

Address P. O. Box 480, Round Mountain, NV 89045

Show each injection well separately. File not later than the last day of the month for the preceding month.

| Field and lease name      | Well No.         | Geothermal Fluids Injected |                   | Injection pressure | Reservoir formation | Reservoir depth |
|---------------------------|------------------|----------------------------|-------------------|--------------------|---------------------|-----------------|
|                           |                  | Gallons per day            | Gallons per month |                    |                     |                 |
| Round Mountain<br>N-46200 | 34-25<br>DOM 155 | -0-                        | -0-               |                    |                     |                 |
| N-46200                   | 36-25<br>DOM 156 | -0-                        | -0-               |                    |                     |                 |

Remarks: System did not operate during June.

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *Doug Barto*  
 Position Environmental Engineer  
 Date July 3, 1989



STATE OF NEVADA  
 DEPARTMENT OF MINERALS  
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REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer Round Mountain Gold Corporation Month of May, 19 89

Address P.O. Box 480 Round Mtn. Nevada 89045

Show each injection well separately. File not later than the last day of the month for the preceding month.

| Field and lease name                         | Well No.         | Geothermal Fluids Injected |                   | Injection pressure | Reservoir formation | Reservoir depth |
|--|------------------|----------------------------|-------------------|--------------------|---------------------|-----------------|
|  |                  | Gallons per day            | Gallons per month |                    |                     |                 |
| Round Mountain<br>N-46200                    | 34-25<br>DOM 155 | 0                          | 0                 |                    |                     |                 |
| N-46200                                      | 36-25<br>DOM 156 | 0                          | 0                 |                    |                     |                 |
| Geothermal System did not operate during May |                  |                            |                   |                    |                     |                 |

Remarks:

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature Doug Barto Doug Barto  
 Position Environmental Engineer  
 Date June 5, 1989

STATE OF NEVADA  
 DEPARTMENT OF MINERALS  
 400 W. King Street, Suite 106  
 Carson City, Nevada 89710  
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REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer Round Mountain Gold Corporation Month of April, 19 89

Address P.O. Box 480 Round Mountain, Nevada 89045

Show each injection well separately. File not later than the last day of the month for the preceding month.

| Field and lease name                            | Well No.         | Geothermal Fluids Injected |                   | Injection pressure | Reservoir formation | Reservoir depth |
|---|------------------|----------------------------|-------------------|--------------------|---------------------|-----------------|
|   |                  | Gallons per day            | Gallons per month |                    |                     |                 |
| Round Mountain<br>N-46200                       | 34-25<br>DOM 155 | 0                          | 0                 |                    |                     |                 |
| N-46200   | 36-25<br>DOM 156 | 0                          | 0                 |                    |                     |                 |
| Geothermal System did not operate during April. |                  |                            |                   |                    |                     |                 |

Remarks:

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *Davey Berto*  
 Position Environmental Engineer  
 Date May 9, 1989

STATE OF NEVADA  
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**REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS**

DEPT OF MINERALS

Producer Round Mountain Gold Corporation Month of March, 19 89

Address P.O. Box 480, Round Mountain, NV 89045

Show each injection well separately. File not later than the last day of the month for the preceding month.

| Field and lease name      | Well No.        | Geothermal Fluids Injected |                   | Injection pressure | Reservoir formation | Reservoir depth |
|---------------------------|-----------------|----------------------------|-------------------|--------------------|---------------------|-----------------|
|                           |                 | Gallons per day            | Gallons per month |                    |                     |                 |
| Round Mountain<br>N-46200 | 34-25<br>DOM155 | 993,146<br>for 13 days     | 12,910,900        |                    |                     |                 |
| N-46200                   | 36-25<br>DOM156 | 121,900<br>for 12 days     | 1,462,800         |                    |                     |                 |
|                           |                 |                            | 14,373,700        |                    |                     |                 |

Remarks:

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *Doug Barto*  
 Doug Barto  
 Position Environmental Engineer  
 Date April 28, 1989

STATE OF NEVADA  
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 400 W. King Street, Suite 106  
 Carson City, Nevada 89710  
 (702) 885-5050

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REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

DEPT OF MINERALS

Producer Round Mountain Gold Corporation Month of February, 19 89

Address P. O. Box 480 Round Mountain, NV 89045

Show each injection well separately. File not later than the last day of the month for the preceding month.

| Field and lease name      | Well No.         | Geothermal Fluids Injected |                   | Injection pressure   | Reservoir formation         | Reservoir depth                |
|---------------------------|------------------|----------------------------|-------------------|--|-----------------------------|--------------------------------|
|                           |                  | Gallons per day            | Gallons per month |  |                             |                                |
| Round Mountain<br>N-46200 | 34-25<br>DOM 155 | 1,261,863<br>for 11 days   | 13,880,500        | 4-15 psi   | Bedrock<br>Ash Flow<br>Tuff | 1,120 ft.<br>Bottom of<br>hole |
| N-46200                   | 36-25<br>DOM 156 | 1,917,988<br>for 17 days   | 32,605,800        | System<br>Pressure:<br>5-14 psi<br><br>Vacuum<br>9-20 in.<br>Mercury | Bedrock<br>Ash Flow<br>Tuff | 1,300 ft.<br>Bottom of<br>hole |

Remarks:

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature *Doug Barto*  
 Position Doug Barto  
Environmental Engineer  
 Date March 7, 1989

STATE OF NEVADA  
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 Carson City, Nevada 89710  
 (702) 885-5050

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REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

DEPT OF MINERALS

Producer Round Mountain Gold Corporation Month of January, 19 89


Address P. O. Box 480 Round Mountain, NV 89045

Show each injection well separately. File not later than the last day of the month for the preceding month.

| Field and lease name      | Well No.         | Geothermal Fluids Injected |                   | Injection pressure            | Reservoir formation         | Reservoir depth                |
|---------------------------|------------------|----------------------------|-------------------|-------------------------------|-----------------------------|--------------------------------|
|                           |                  | Gallons per day            | Gallons per month |                               |                             |                                |
| Round Mountain<br>N-46200 | 34-25<br>DOM 155 | 1,173,133<br>@ 3 days      | 3,519,400         | 5-10 psi                      | Bedrock<br>Ash Flow<br>Tuff | 1,120 ft.<br>Bottom of<br>Hole |
| N-46200                   | 36-25<br>DOM 156 | 1,993,419<br>@ 31 days     | 61,796,000        | Vacuum<br>9-12 in.<br>Mercury | Bedrock<br>Ash Flow<br>Tuff | 1,300 ft.<br>Bottom of<br>Hole |
|                           |                  |                            | 65,315,400        |                               |                             |                                |

Remarks:

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature   
 Position Environmental Engineer  
 Date 3-3-89