STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 8, 1985

Mr. Richard Blubaugh
Atlas Minerals
Big Indian Mines
LaSal, Utah 84530

Dear Mr. Blubaugh:

RE: Annual Report MR-3, Calliham & Sage Mines, ACT/037/023, San Juan County, Utah

Please complete the enclosed Annual Operations and Progress Report (MR-3) and return it to the Division no later than March 31, 1985. I realize this form is being used by a wide range of operations and there may be an item that does not apply to your mining operation. If this is the case, please indicate on the form.

Your prompt attention in this matter is appreciated. If you have any questions, please call Pamela Grubaugh-Littig or myself.

Thank you.

Respectfully,

Ronald W Daniels

Ronald W. Daniels
Acting Administrator
Mineral Resource Development
and Reclamation Program

PGL/btb
Enclosure
cc: Dianne Nielson
Pam Grubaugh-Littig
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MR Form 3
(Revised 1984)

ANNUAL OPERATIONS AND PROGRESS REPORT

From Month/Year January 1985
to Month/Year January 1986

(To be submitted for each mining operation at the end of each calendar year to the Division at this address:)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
(801) 538-5340

OPERATOR: Atlas Minerals MINE NAME: Calliham and Sage

ADDRESS: 743 Horizon Drive, Suite 105
Grand Junction, Colorado 81506

PERMIT NUMBER AND DATE OF PERMIT: ACT/037/023 1/27/84

REPRESENTATIVE: Richard E. Blubaugh

SECTION(S): 33 - 34 TOWNSHIP(S): 32S RANGE(S): 26E

MINERAL(S) MINED: Uranium/Vanadium

STATE AND/OR FEDERAL MINERAL LEASE NUMBERS:
None

SPECIAL USE PERMITS AND/OR RIGHTS-OF-WAY:
None

Section 40-8-15 and Rule M-8 of the Utah Mined Land Reclamation Act, requires each operator to include with this report an up-dated map and plan prepared in accordance with Rule M-3, as outlined in the requirements for annual report maps in Appendix I, providing a detailed status of all mining and reclamation activities which have occurred during the past year.

The report should include:

MINING:

(a) Tabulation of acreage disturbed (by pits, roads, facilities, etc.) during the report period with illustration on a current map.

Disturbance	Acreage
Pit	
Roads	
Facilities	None
Waste Dumps	
Other	

(b) Tabulation of acreage affected to date (by years).

Date by Year	Acreage (Total
1975	
1976	
1977	35.8
1978	
1979	
1980	
1981	8.8
1982	
1983	

(c) Tabulation of all topsoil (new) stockpile volumes (see chart below) and date of stockpiling. None

SOIL TABULATION CHART

Area Affected (in mining sequence) (If more space is needed, please attach.)	Area 1	2	3	etc.
Acreage of Area				
Depth of Topsoil Removal (inches)				
Depth of Topsoil Replacement (inches)*				
Estimate of Topsoil Volume Salvaged (yd^3 or ac ft)				
Volume Actually Salvaged (yd^3 or ac ft)				
Volume Required for Reclamation (yd^3 or ac ft)				
Surplus or Deficit Volume (yd^3 or ac ft)				
Storage Status (short- or long-term)				

Soil Tabulation Chart (continued)

Area Affected (in mining sequence) None	Area 1	2	3	etc.
Storage Location				
Area Where Soil Has Been Used (if not stored)				
Running Total (all stockpiles) (yd^3 or ac ft)				
Short-term				
Long-term				

*Of previously stripped area recently reclaimed.

(d) Tabulation of all (newly removed) out-of-pit spoil volumes, date of placement and illustration on a map. None

Area	Date	Acreage

(e) Tabulation of quantity of commodity mined.

	Commodity	Tonnage
(Mined)	None	
(Milled)		

(f) Description of any new construction during the report period with illustration on a map, including, but not limited to: None

1. Buildings and support facilities.

2. Roads.

3. Diversion ditches, collector ditches, interceptor ditches, etc.
None

4. Culverts.
None

5. Sediment ponds, containment ponds.
None

6. Monitoring sites (vegetative, air quality, surface subsidence, surface water or ground water, etc.).
None

7. Topsoil stockpiles.
None

(g) Description of any environmental problem areas with a proposed plan for mitigation and illustration on a map, including, but not limited to: None

1. Pit stability problems.

2. Subsidence.

3. Accidental water discharge, dam failure, etc. None

4. Slumping, sliding or erosion. None

5. Revegetation problem areas. None

6. Existence and location of unsuitable (toxic) overburden. None

RECLAMATION:

(a) Tabulation of the acreage reclaimed during the report period with illustration on a map, distinguishing between: None

1. Backfilled, graded and contoured areas.

Area	Acreage

2. Topsoiled areas.

Area	Acreage

3. Seeded areas.

Area	Acreage

4. Reseeded areas (areas previously seeded, then seeded again).

Area	Acreage

(b) Tabulation of total acreage reclaimed (seeded with permanent seed mix) to date by years with illustration on an updated map: None

Year	Acreage
1975	
1976	
1977	
1978	
1979	
1980	
1981	
1982	
1983	
1984	

(c) Description of the reclamation procedures used during the report period, including: None

1. Average depth of topsoil applied.

2. Type of seed (species) used for seeding during the report period.

3. Date of seeding during the report period.

Spring _____

_____

_____

Fall _____

_____

_____

4. Seeding procedures used.

(Hand broadcast or drilled or any other).

_____

_____

_____

_____

5. Rate of seed application.

Pounds Per Acre of Pure Live Seed (PLS) (if varied, please explain)

_____

_____

_____

_____

6. Type and rate of fertilizer applied.

_____

_____

_____

_____

7. Type and rate of mulch applied.

_____

_____

_____

_____

8. Rate of irrigation water applied, if any. Please describe any type of sprinkling, or water applied (water truck, etc.).

_____

_____

_____

_____

9. Revegetation test plot information.

(Cover, density, productivity, etc.)

_____

_____

_____

_____

10. Soil analysis results.

(d) Description of results of previous revegetation efforts, including: (This should be done as applicable.) None

1. Types (species) of seed that have germinated and are growing.

2. Types (species) of seed that are not growing successfully.

3. Areas experiencing problems with weeds and weed types.

4. Significant erosional problems.

5. Areas of unsuitable overburden on the surface as related to revegetation failure.

6. Procedures used or proposed to correct these problems.

7. Acreage and dates of release (upon inspection by the State) of revegetated areas.

Area	Date	Acreage

8. Results of soil analysis.

_____
_____
_____
_____

(e) Summarization of the reclamation costs incurred during the report period, including itemized costs for each operation (i.e., grading, topsoil replacement, seeding, etc.) and for each type of disturbance (i.e., spoil, haul roads, facilities removal, etc.) on a per acre basis. None

	Acres	Cost/Acre
1. Grading		
2. Backfilling		
3. Contouring		
4. Topsoil Replacement		
5. Seeding		
A. Seedbed Preparation		
B. Mulch		
C. Fertilizer		
D. Seed		
6. Other		

BOND INFORMATION:

A. An updated bond estimate should be included, if required in the Division's approval of the Mining and Reclamation Plan (MRP) or if changes to the MRP have occurred, including a detailed itemization of actual/estimated reclamation costs as outlined in the RECLAMATION section above. The date of the release of revegetated areas from further responsibility for a partial bond release, if applicable, should also be included.

	Amount	Type	Date Posted
Present Bond	99,335	Contract	1/27/84

Increased disturbance, if any: None

Increased Bond Amount (attached reclamation estimate). None

B. Bond release.

Acres	Bond Amount Released	Date

ADDITIONAL INFORMATION:

Supply any additional information as requested by the Division related to: None

(a) Permit stipulations (status).
(b) Other special conditions (status).

APPENDIX I

ANNUAL REPORT MAPS

1. Maps must be clear and legible contour maps or recent aerial photos. The scale should be 1 inch = 500 feet to adequately show topographic features.

2. Map sheets should be of a reasonable size, not to exceed 48 inches on a side.

3. Maps must have a title block with:

   A. Map title.
   B. Name and address of permittee.
   C. Permit and amendment numbers.
   D. Annual report period.
   E. Scale, north arrow, contour interval, date of photography, etc.

4. All maps must show:

   A. Legal subdivisions.
   B. Permit area boundary clearly shown and labelled.
   C. Amendment areas clearly shown and labelled.
   D. Contour features.

5. The following features should all be clearly identified:

   A. Topsoil stockpiles (numbered and with volumes).
   B. Settling ponds and sediment control structures.
   C. Haul roads.
   D. Pits identified by location, name, number, etc.
   E. Ramps (numbered).
   F. Out-of-pit spoil dumps.
   G. All waste disposal sites including, but not limited to:
      1. Landfill sites.
      2. Carbonaceous waste dumps.
   H. Diversion ditches.
   I. Monitoring sites.

6. All areas to be affected by mining and reclamation in the coming year should be outlined and labelled.