

**2000 ANNUAL REPORT**

**UTAHAMERICAN ENERGY, INC.**

**HORSE CANYON MINE**

**ACT/007/013**

Submitted as Requested By

State of Utah  
Division of Oil, Gas and Mining

March 8, 2001

File in:

Confidential

Shelf

Expandable

Refer to Record No. 0031 Date 3082001

In 00070013 2001 Utah Mining

For additional information



**GENERAL INFORMATION**

1. Permit Number	ACT/007/013
2. Mine Name	Horse Canyon Mine
3. Permittee Name	UtahAmerican Energy, Inc.
4. Operator Name (if other than Permittee)	
5. Permit Expiration Date	
6. Company Representative, Title	Clyde Borrell, President
7. Phone Number	740-926-1351
8. Fax Number	740-926-1615
9. Mailing Address	P.O. Box 187
	Clairsville, Ohio 84950
10. Resident Agent, Title	Melvin A. Coonrod, Resident Agent
Mailing Address	31 North Main Street
	Helper, Utah 84526

**IDENTIFICATION OF OTHER PERMITS**

Identify other permits which are required in conjunction with mining and reclamation activities.

Permit Type	ID Number	Description	Expires on
1. MSHA Mine ID(s)	1	42-00100	
	2	42-00100	
2. MSHA Impoundment(s)	1	N/A	
	2	N/A	
3. NPDES/UPDES Permit(s) (water)	1	UTG0-40013-001A	04/30/03
	2	UTG0-40013-002A	04/30/03
4. PSD (Air ) Permit(s)	DAQE-702-99	Approval Order Coal Mine	N/A
6.			

**CERTIFIED REPORTS**

List the certified inspection reports as required by the rules and under the approved plan which must be periodically submitted to the Division. Specify whether the information is included as APPENDIX A to this Annual Report or currently ON FILE with the Division.

Certified Reports:	Reports Required?		INCLUDED or ON FILE w/DOGM?			Comments
	YES	NO	YES	NO	ON FILE	
1. Excess Spoil Piles		XX				
2. Refuse Piles		XX			XXXXXX	Not required. Not an MSHA pile. Last report.
3. Impoundments	XX				XXXXXX	Sent to UDOGM on 12/18/2000.
4.						
5.						

**REPORTING OF OTHER TECHNICAL DATA**

List other technical data and information as required under the approved plan which must be periodically submitted to the Division. Specify whether the information is included as APPENDIX B to this Annual Report or currently ON FILE with the Division.

Technical Data:	Reports Required?		INCLUDED or ON FILE w/DOGM?			Comments
	YES	NO	YES	NO	ON FILE	
1. Climatological Data		XX				
Subsidence Monitoring Data		XX				Last required report filed on 07/19/92
3. Vegetation Monitoring Data		XX				Last required report filed on 10/11/96
4. Raptor Data		XX				No mining since 1982
5. Soils Monitoring Data		XX				
6. Water Monitoring Data	XX				XXXXXX	Sent with quarterly reports.
First Quarter Report					XXXXXX	03/09/2000
Second Quarter Report					XXXXXX	04/27/2000
Third Quarter Report					XXXXXX	07/27/2000
Fourth Quarter Report					XXXXXX	10/09/2000
7. Geological/Geophysical Data		XX				
8. Engineering Data		XX				
9. Other Data						
Raptor Survey	XX				XXXXXX	Found in Appendix 3-5 of the PAP.



# **APPENDIX A**

## **Certified Reports**

Excess Spoil Piles  
Refuse Piles  
Impoundments

as required under R645-301-514

## **CONTENTS**

**ON FILE WITH UDOGM**

# **APPENDIX B**

## **Reporting of Technical Data**

including monitoring data, reports, maps, and other information  
as required under the approved plan  
or as required by the Division

in accordance with the requirements of R645-301-130 and R645-301-140.

## **CONTENTS**

**ON FILE WITH UDOGM**

# **APPENDIX C**

**Legal, Financial, Compliance and Related Information**

**Annual Report of Officers**  
as submitted to the Utah Department of Commerce

and other changes in ownership and control information  
as required under R645-301-110.

## **CONTENTS**

**N/A SEE PAGE 3 OF ANNUAL REPORT**

# **APPENDIX D**

Mine Maps

as required under R645-301-525.270.

## **CONTENTS**

**N/A SEE PAGE 3 OF ANNUAL REPORT**

# **APPENDIX E**

Other Information

in accordance with the requirements of R645-301 and R645-302.

## **CONTENTS**

**ON FILE WITH UDOGM**

## **Introduction**

This 2000 Annual Hydrologic Monitoring Report for the UtahAmerican Energy, Inc. (UEI) Horse Canyon Mine, Carbon County, Utah Permit no. ACT/007/013 is submitted to the Division for their records and as a reference document. Included in this report is a brief discussion concerning the monitoring results from each sample site and the two UPDES discharge locations. Included are bar graphs illustrating flow, conductivity, hardness, pH, total iron, and TDS.

Each surface and groundwater site was monitored on a quarterly basis while the UPDES discharge points are monitored on a monthly basis.

### **Monitoring Site B-1**

This site is located in Horse Canyon Creek downstream of the mine area. This site was visited quarterly. Surface water flow was not observed at this location in 2000.

### **Monitoring Site HC-1**

This site is located upstream of the mine site area on Horse Canyon Creek. Surface water flow was not observed at this location.

### **Monitoring Site RF-1**

This site is located upstream of the point where the Little Horse Canyon Road crosses the Right Fork of Horse Canyon. Flows varied between a high of 8.6 gpm in April to no flow in March and July. TDS concentrations ranged from a low of 800 mg/l in October to high of 860 in April.

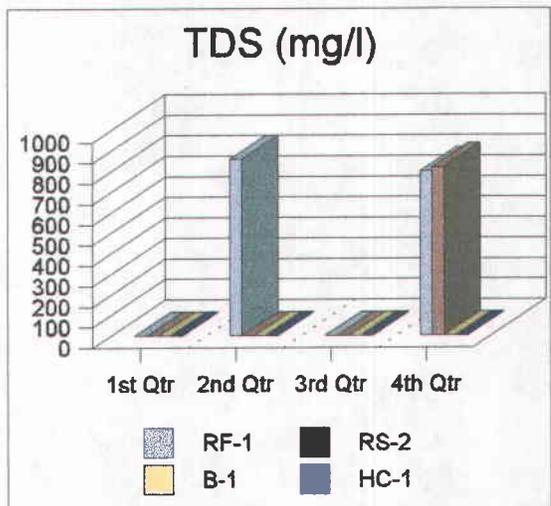
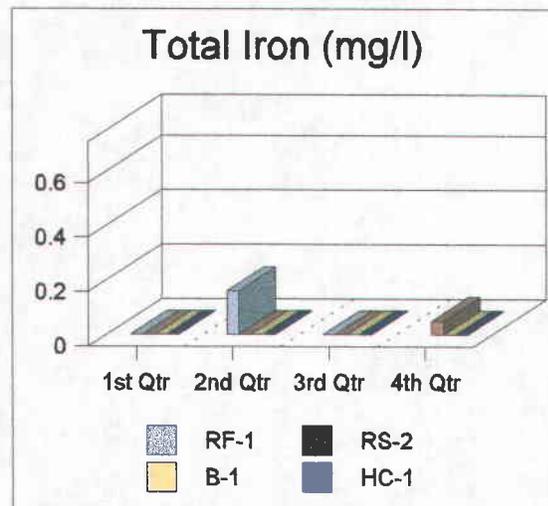
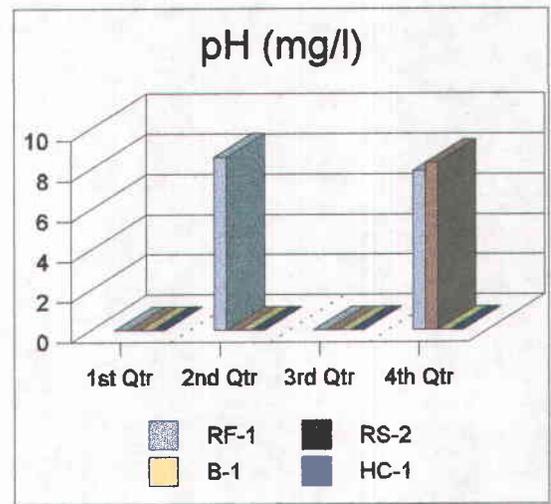
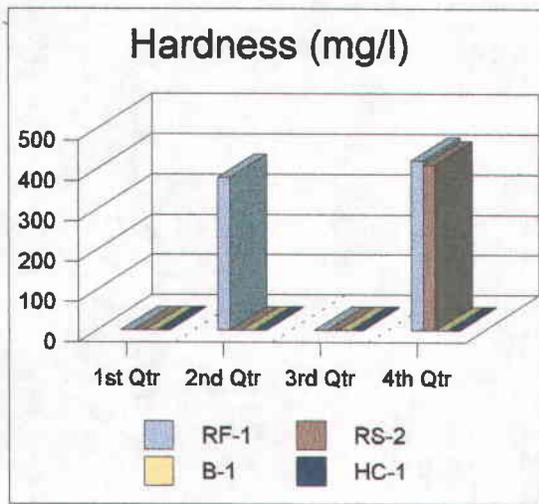
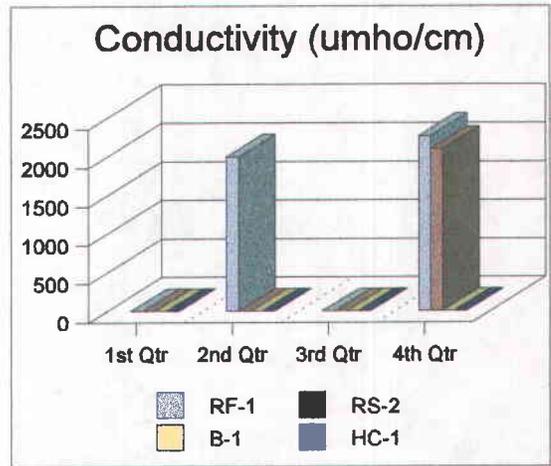
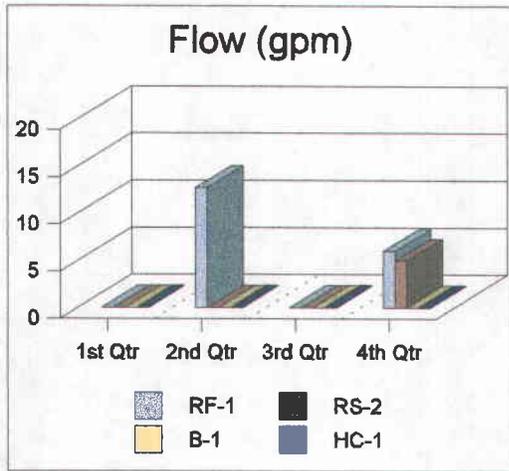
The pH of the water samples from RF-1 was measured in the field and had a range from 7.90 in October to 8.60 in April.

### **Monitoring Site RS-2**

This monitoring site is Redden Spring. The spring discharges from a sandstone ledge in the bottom of the Right Hand Fork of Horse Canyon. Flow from the spring was measured only during October at 5 gpm. There was no flow measured for the remainder of the year.

### **UPDES Discharge Points 001A and 002A**

Discharge point 001A is located at the outlet structure of Sedimentation Pond 1 and discharge point 002A is located at the outlet structure of Sedimentation Pond 2. No water was discharged at either point in 2000.



# Summary

Sample Point	Flow	pH	Temp	Conduct	Dissolved										Sulfate	TDS
					Oxygen	Bicarbonate	Calcium	Carbonate	Chloride	Hardness	Iron Total	Lead	Magnesium	Manganese		
<b>Sample Point B-1</b>																
03/09/00 First	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04/27/00 Second	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07/27/00 Third	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/09/00 Fourth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Sample Point HC-1</b>																
03/09/00 First	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04/27/00 Second	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07/27/00 Third	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/09/00 Fourth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Sample Point RF-1</b>																
03/09/00 First	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04/27/00 Second	12.70	8.60	20.00	2000.00	6.00	536.00	31.60	4.00	41.00	379.00	0.16	0.00	0.00	72.80	1.90	242.00
07/27/00 Third	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/09/00 Fourth	6.00	7.90	13.60	2270.00	UNK	530.00	47.70	<1.00	78.00	421.00	<0.02	0.00	0.00	73.40	1.50	259.00
<b>Sample Point RS-2</b>																
03/09/00 First	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04/27/00 Second	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07/27/00 Third	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/09/00 Fourth	5.00	8.30	10.61	2100.00	0.00	493.00	39.90	<1.00	79.00	411.00	0.05	0.00	0.00	75.60	2.90	272.00