

**2004 ANNUAL REPORT
TO THE
UTAH DIVISION OF OIL, GAS AND MINING**

**DUGOUT CANYON MINE
C/007/039**

Canyon Fuel Company, LLC
P.O. Box 1029
Wellington, UT 84542

File in:
 Confidential
 Shelf
 Expandable
Refer to Record No. 0032 Date 03232005
In C 0070039 Income & Confidential
For additional information

To enter text, click in the box and type your response. If a box already contains an entry select the entry and type the replacement. You can use the **tab** key to move from one field to the next. To select a check box, click in the box or type an x.

GENERAL INFORMATION

Permitte Name	Canyon Fuel Company, LLC
Mine Name	Dugout Canyon Mine
Operator Name (If other then permittee)	
Permit Expiration Date	March 16, 2008
Permit Number	C/007/039
Authorized Representative Title	Erwin Sass
Phone Number	(435) 637-6360
Fax Number	(435) 636-2897
E-mail Address	esass@archcoal.com
Mailing Address	PO Box 1029, Wellington, UT 84542
Designated Representative	
Resident Agent	C.T. Corporation Systems
Resident Agent Mailing Address	50 West Broadway, Salt Lake City, UT 84104
Number of Binders Submitted	(1) Binder, Two Copies

IDENTIFICATION OF OTHER PERMITS

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

Permit Type	ID Number	Description	Expiration Date
MSHA Mine ID(s)	42-01890	Rock Canyon Seam	N/A
	42-01888	Gilson Seam	N/A
MSHA Impoundment(s)	N/A		
NPDES/UPDES Permit(s)	UT0025593	UPDES Discharge Permit & Storm Water Discharge Permit	Nov.30, 2009
PSD Permit(s) (Air)	DAQE-001-1999	Air Quality Permit	N/A
Other			
MSHA Mine ID(s)	1211-UT-09-01890-01	Refuse Pile	N/A

CERTIFIED REPORTS

List the certified inspection reports as required by the rules and under the approved plan that must be periodically submitted to the Division. Specify whether the information is included as Appendix A to this report or currently on file with the Division.

Certified Reports:	Required		Included or on file with DOGM		Comments
	Yes	No	Included	On File	
Excess Spoil Piles	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Refuse Piles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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 report or currently on file with the Division.

Technical Data:	Required		Included or on file with DOGM		Comments
	Yes	No	Included	On file	
Climatological	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Subsidence Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Vegetation Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Raptor Survey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Soils Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Water Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
First quarter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Second quarter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Third quarter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Fourth quarter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Geological / Geophysical	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Engineering	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Non Coal Waste / Abandoned Underground Equipment*	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Other Data					
SNOTEL Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Saw-Whet Owl	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Reminder: If equipment has been abandoned during 2004, an amendment must be submitted that includes a map showing its location, a description of what was abandoned, whether there were any hazardous or toxic materials and any revision to the PHC as necessary.

APPENDIX A

Certified Reports

Excess Spoil Piles
Refuse Piles
Impoundments

As required under R645-301-514

CONTENTS

CERTIFIED IMPOUNDMENT REPORTS
CERTIFIED REFUSE PILE REPORT

To enter text, click in the box and type your response. If a box already contains an entry select the entry and type the replacement. You can use the tab key to move from one field to the next. To select a check box, click in the box or type an x.

GENERAL INFORMATION

Report Date February 1, 2005
Permit Number C/007/039
Company Name Canyon Fuel Company, LLC - Dugout Canyon Mine

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name Dugout Canyon Mine Refuse Pile
Pile Number 1211-UT-09-01890-01
MSHA ID Number 42-01890

Inspection Date November 13, 2004
Inspected By David G. Spillman
Reason for Inspection Quarterly Inspection & Certification

Attachment to Report? Yes No

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

The foundation preparation was found to be in accordance with the approved plan.

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

All necessary drainage systems were constructed and functional at the time of the inspection.

4. Placement and compaction of fill materials

At the time of the inspection there was no additional refuse being hauled to the site.

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

There was no appearance of instability, structural weakness or other hazardous conditions observed during this inspection.

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

It is estimated that the total volume of refuse stored on site is 43,987 cubic yards. This volume is based on a areial volumetric survey completed by Olympus Aerial Surveys, Inc., on August 12, 2004. No additional refuse has been hauled into the sight from the date of the aerial over flight to the date of this inspection.

CERTIFICATION STATEMENT

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meet or exceed the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By David G. Spillman, Technical Services Manager
Full Name and Title

Signature David G. Spillman Date 2/1/05

P.E. Number and State No. 151610, State of Utah

[Cert. Stamp]



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 2
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Permit Number	ACT/007/039	Report Date	11/01/04
Mine Name	Dugout Canyon Mine		
Company Name	Canyon Fuel Company, LLC		
Impoundment Identification	Impoundment Name	Refuse Pile Sedimentation Pond	
	Impoundment Number	None	
	UPDES Permit Number	UTG040020	
	MSHA ID Number	Impoundment - None (Refuse Pile 1211-UT-09-01890-01)	

IMPOUNDMENT INSPECTION

Inspection Date	10/03/04		
Inspected By	Dave Spillman		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Quarterly Inspection / Certification		

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

Construction of the Refuse Pile Sedimentation Pond has been completed in accordance with the approved plan. There were no signs of instability, structural weakness or other hazardous conditions observed during this inspection.

Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p><i>Sediment Storage Capacity (as designed) - 100% = 0.78 acre-feet @ an elevation of 5,895.9 feet</i> <i>- 60% = 0.47 acre-feet @ an elevation of 5,894.7 feet</i></p>
	<p>3. Principle and emergency spillway elevations.</p> <p><i>Emergency Spillway Elevation (as designed) - 5,902 feet</i></p>

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on out slopes of embankments, etc.

Impounded water appeared to be approximately 1 to 1.5 feet in depth at the time of the inspection. The accumulation of sediment appeared to be well below the allowed 60% level.

This pond has never discharged.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: _____ Date: _____

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)

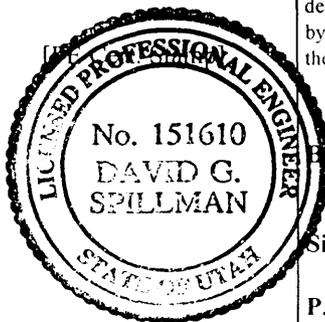
	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	X	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	X	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	X	

COMMENTS AND OTHER INFORMATION

Installation of the sediment cleanout markers was completed on October 13, 2003.

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.



By: David G. Spillman, Technical Services Manager
(Full Name and Title)

Signature: David G. Spillman Date: 11/01/04

P.E. Number & State: No. 151610, State of Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 2
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Permit Number	ACT/007/039	Report Date	11/01/04
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Mine Name	Dugout Canyon Mine		
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Company Name	Canyon Fuel Company, LLC		
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Impoundment Identification	Impoundment Name	Surface Facility Sedimentation Pond	
	Impoundment Number	None	
	UPDES Permit Number	UTG040020	
	MSHA ID Number	Impoundment - None (Mine - 42-01890)	

IMPOUNDMENT INSPECTION			
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Inspection Date	10/13/04		
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Inspected By	Dave Spillman		
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Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Routine Quarterly Inspection and Annual Certification		
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1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

There were no signs of instability, structural weakness or other hazardous conditions observed during this inspection.

Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p><i>Sediment Storage Capacity - 100% = 0.34 acre-feet @ an elevation of 6,953.56 feet</i></p> <p style="padding-left: 40px;"><i>- 60% = 0.20 acre-feet @ an elevation of 6,951.66 feet</i></p>		
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	<p>3. Principle and emergency spillway elevations.</p> <p><i>Principal Spillway Elevation (as designed) - 6,964.44 feet</i></p> <p><i>Emergency Spillway Elevation (as designed) - 6,964.5 feet</i></p>		
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4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on out slopes of embankments, etc.

At the time of the inspection, there had been no discharge from the pond during October.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

At the time of inspection, the water elevation was approximately 9 feet below the top of the primary spillway. There was no indication of any significant sediment accumulation, within the pond, since the July 2004 clean-out operation.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: _____ **Date:** _____

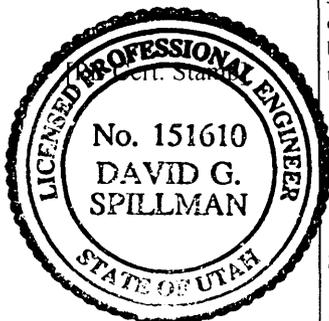
CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	X	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	X	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	X	

COMMENTS AND OTHER INFORMATION

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.



By: David G. Spillman, Technical Services Manager
(Full Name and Title)

Signature: David G. Spillman **Date:** 11/01/04

P.E. Number & State: No. 151610, State of Utah

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 requirement of R645-310-130 and R645-301-140

CONTENTS

2004 DUGOUT CANYON SUBSIDENCE MONITORING STATIONS MAP
RAPTOR SURVEY INFORMATION
SNOTEL REPORT
NORTHERN SAW-WHET OWL MITIGATION PROJECT REPORT

Attributes of Dugout_out.shp

Nest_no	X_utm27	Y_utm27	Species	Type	Status_04	Eggs	Yrng	Age	Comments_0	Status_03	Status02	Status01	Status00	Status99	Status98	Elevation	Company	Quad
3	539128	4390906	Golden Eagle	Cliff	inactive	not surveyed				not surveyed	inactive	Active	Not surveyed	Inactive	Tended	7600	Dugout	Pine Cany
4	539885	4390920	Red-tailed Hawk	Cliff	active	active		4	14 Hen on nest	active	Not Found	Active	Not surveyed	Not Found	Inactive	7700	Dugout	Pine Cany
6	538469	4390223	Prairie Falcon	Cliff	inactive	not surveyed				not surveyed	inactive	Active	Not surveyed	Not Found	Active	7700	Dugout	Pine Cany
7	540367	4390585	Golden Eagle	Cliff	active	active				not surveyed	inactive	Not surveyed	Not surveyed	Not Found	Tended	7400	Dugout	Pine Cany
8	540358	4390542	Golden Eagle	Cliff	inactive	not surveyed				not surveyed	inactive	Not surveyed	Not surveyed	Not Found	Tended	7711	Dugout	Pine Cany
9	540581	4391528	Unknown	Cliff	inactive	not found			two nests, one above other	not found	Not Found	Not surveyed	Not surveyed	Not surveyed	Tended	7700	Dugout	Pine Cany
10	540231	4390885	Golden Eagle	Cliff	inactive	not found				not found	Not Found	Not surveyed	Not surveyed	Not surveyed	Active	7300	Dugout	Pine Cany
11	540972	4390651	Golden Eagle	Cliff	inactive	not surveyed				inactive	inactive	Not surveyed	Not surveyed	Not surveyed	Inactive	7300	Dugout	Pine Cany
12	541029	4390525	Golden Eagle	Cliff	inactive	not surveyed				inactive	Not Found	Not surveyed	Not surveyed	Not Found	Inactive	7300	Dugout	Pine Cany
13	541457	4390716	Raven	Cliff	not surveyed	not surveyed				inactive	Not Found	Not surveyed	Not surveyed	Not Found	Inactive		Dugout	Pine Cany
14	541465	4390700	Raven	Cliff	not surveyed	not surveyed				inactive	Not Found	Not surveyed	Not surveyed	Not Found	Inactive		Dugout	Pine Cany
17	538851	4391728	Golden Eagle	Cliff	inactive	not surveyed				not surveyed	Tended	7506	Dugout	Pine Cany				
18	538660	4390531	Golden Eagle	Cliff	inactive	not surveyed				not surveyed	Displaciated	7227	Dugout	Pine Cany				
19	533191	4392838	Golden Eagle	Cliff	inactive	not surveyed				not surveyed	Inactive	7228	Dugout	Pine Cany				
20	533192	4392835	Golden Eagle	Cliff	inactive	not surveyed				not surveyed	Tended	7011	Dugout	Pine Cany				
21	529832	4392991	Golden Eagle	Cliff	inactive	not surveyed				not surveyed	Tended	7325	Dugout	Pine Cany				
23	538142	4392948	Golden Eagle	Cliff	inactive	not found				not found	Not Found	Not surveyed	Not surveyed	Not surveyed	Tended	7325	Dugout	Pine Cany
24	538192	4391988	Golden Eagle	Cliff	inactive	not found				not found	Not Found	Not surveyed	Not surveyed	Not surveyed	Tended	7200	Dugout	Pine Cany
25	538549	4392101	Golden Eagle	Cliff	inactive	not surveyed				inactive	inactive	Not surveyed	Not surveyed	Not surveyed	Displaciated	7475	Dugout	Pine Cany
27	537539	4393224	Golden Eagle	Cliff	inactive	not surveyed			greeny	inactive	inactive	Not surveyed	Not surveyed	Not surveyed	Inactive	7600	Dugout	Pine Cany
28	535648	4393312	Golden Eagle	Cliff	inactive	not surveyed			poor condition, little material left	inactive	inactive	Not surveyed	Not surveyed	Not surveyed	Inactive	7600	Dugout	Pine Cany
29	534477	4391915	Raven	Cliff	inactive	not surveyed			2 nests 15 m apart	inactive	inactive	Not surveyed	Not surveyed	Not surveyed	Tended	7600	Dugout	Pine Cany
30	533090	4392304	Golden Eagle	Cliff	displaciated	not surveyed				not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Active		Dugout	Pine Cany
31	533200	4392211	Golden Eagle	Cliff	displaciated	not surveyed				not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Tended		Dugout	Pine Cany
32	533255	4392135	Golden Eagle	Cliff	displaciated	not surveyed				not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Tended		Dugout	Pine Cany
34	534548	4391984	Unknown	Cliff	displaciated	not surveyed				not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Displaciated		Dugout	Pine Cany
35	531775	4393441	Unknown	Cliff	inactive	not found				not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Active		Dugout	Pine Cany
36	532363	4393566	Golden Eagle	Cliff	inactive	not surveyed			fresh whitewash	not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Displaciated	7028	Dugout	DeadmanC
37	531849	4395047	Golden Eagle	Cliff	inactive	not surveyed				not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Inactive	7510	Dugout	DeadmanC
38	531570	4395255	Unknown	Cliff	not surveyed	not surveyed				not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Inactive	7502	Dugout	DeadmanC
39	531787	4395807	Golden Eagle	Cliff	inactive	not surveyed				not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Tended		Dugout	DeadmanC
40	531593	4395844	Golden Eagle	Cliff	tended	not surveyed			much fresh whitewash	not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Tended		Dugout	DeadmanC
41	530581	4392851	Golden Eagle	Cliff	inactive	not surveyed				not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Inactive		Dugout	DeadmanC
48	537593	4397311	Golden Eagle	Cliff	inactive	not surveyed				not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Tended		Dugout	DeadmanC
42	543494	4393789	Golden Eagle	Cliff	inactive	not surveyed				not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Tended		Dugout	DeadmanC
45	541948	4398550	Golden Eagle	Cliff	inactive	not surveyed				not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Active		Dugout	DeadmanC
426	542787	4390104	Golden Eagle	Cliff	inactive	not surveyed				not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Active		Dugout	DeadmanC
427	544876	4395373	Falcon	Cliff	inactive	not surveyed				not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Displaciated	7400	Dugout	WestRidge
774	536293	4391834	Golden Eagle	Cliff	inactive	not surveyed				not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Tended	7400	Dugout	WestRidge
775	536339	4391818	Golden Eagle	Cliff	inactive	not surveyed				not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Displaciated	7400	Dugout	WestRidge
776	539515	4392908	Golden Eagle	Cliff	inactive	not surveyed			Rock fallen on nest. On shoping outcrop, top of mt	not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Displaciated	7160	Dugout	Pine Cany
777	534195	4392117	Golden Eagle	Cliff	inactive	not surveyed			Just around from GE #774	not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Displaciated	7160	Dugout	Pine Cany
778	542872	4395982	Raven	Cliff	not found	not surveyed			possibly misplaced entered as new nest	inactive	inactive	Not surveyed	Not surveyed	Not Found	Active	7600	Dugout	Pine Cany
779	543951	4398915	Golden Eagle	Cliff	inactive	not surveyed				inactive	Not surveyed	Not surveyed	Not surveyed	Not Found	Active		Dugout	Pine Cany
780	543981	4397820	Golden Eagle	Cliff	inactive	not surveyed			Possibly 2 nests here.	not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Active		Dugout	Pine Cany
781	543954	4397824	Golden Eagle	Cliff	not surveyed	not surveyed				not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Displaciated	7500	Dugout	MBantles
782	543958	4397830	Golden Eagle	Cliff	not surveyed	not surveyed				not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Tended		Dugout	MBantles
783	544330	4398023	Golden Eagle	Cliff	not surveyed	not surveyed			4 nests together.	not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Inactive	7500	Dugout	MBantles
788	544330	4398023	Golden Eagle	Cliff	not surveyed	not surveyed				not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Inactive	7500	Dugout	MBantles
1279	538738	4390788	Red-tailed Hawk	Cliff	not found	not found				not surveyed	Not surveyed	Not surveyed	Not surveyed	Not Found	Inactive	8100	Dugout	MBantles
1301	538468	4390946	Golden Eagle	Cliff	active	not found				inactive	Not surveyed	Not surveyed	Not surveyed	Not Found	Inactive	8100	Dugout	MBantles
1302	538423	4390963	Golden Eagle	Cliff	inactive	not found			99 chick fledglings	inactive	Not surveyed	Not surveyed	Not surveyed	Not Found	Active	7600	Dugout	Pine Cany
1303	538582	4390851	Golden Eagle	Cliff	inactive	not found				inactive	Not surveyed	Not surveyed	Not surveyed	Not Found	Active		Dugout	Pine Cany
1304	540287	4393128	Red-tailed Hawk	Cliff	inactive	not found				inactive	Not surveyed	Not surveyed	Not surveyed	Not Found	Active		Dugout	Pine Cany
1305	531103	4392566	Golden Eagle	Tree	not found	not found				inactive	Not surveyed	Not surveyed	Not surveyed	Not Found	Active		Dugout	Pine Cany
1451	533993	4392267	Golden Eagle	Cliff	inactive	not found				inactive	Not surveyed	Not surveyed	Not surveyed	Not Found	Active		Dugout	Pine Cany
1452	537416	4391712	Golden Eagle	Cliff	inactive	not found				inactive	Not surveyed	Not surveyed	Not surveyed	Not Found	Active		Dugout	Pine Cany
1453	537950	4391911	Golden Eagle	Cliff	tended	not found			Greeny	inactive	Not surveyed	Not surveyed	Not surveyed	Not Found	Active		Dugout	Pine Cany
1454	544045	4393559	Red-tailed Hawk	Cliff	active	not found			99 hen on nest	inactive	Not surveyed	Not surveyed	Not surveyed	Not Found	Active		Dugout	Pine Cany
1455	545371	4392501	Golden Eagle	Cliff	inactive	not found				inactive	Not surveyed	Not surveyed	Not surveyed	Not Found	Active		Dugout	SUNNYSIC

Snotel Narrative

United States
Department of
Agriculture

Natural Resources
Conservation
Service

Water and Climate Center
Portland, Oregon

S N O W - P R E C I P I T A T I O N U P D A T E

Based on Mountain Data from NRCS SNOTEL Sites
As of TUESDAY: MARCH 1 , 2005

STATE RIVER BASIN	Number of Sites	PERCENT OF AVERAGE	
		Snow Water Equivalent	Accum Precip
UTAH			
BEAR RIVER	8 of 9	113	118
WEBER-OGDEN RIVERS	13 of 17	115	120
PROVO R.-UTAH LAKE-JORDAN R.	11 of 15	125	127
TOOELE VALLEY-VERNON CREEK	3 of 3	126	150
GREEN RIVER	5 of 6	116	143
DUCHESNE RIVER	12 of 12	161	157
PRICE-SAN RAFAEL	5 of 5	107	128
DIRTY DEVIL	3 of 3	139	137
SOUTH EASTERN UTAH	2 of 3	219	146
SEVIER RIVER	14 of 15	168	156
BEAVER RIVER	2 of 2	145	154
ESCALANTE RIVER	2 of 3	276	*
VIRGIN RIVER	6 of 9	229	259
WASHINGTON			
PRIEST, COEUR D'ALENE, ST. JOE, SPOKANE, PALOUSE BASINS	12 of 15	44	68
COLUMBIA ABOVE METHOW	4 of 5	41	56
CHELAN, ENTIAT, WENATCHEE	7 of 8	32	64
UPPER YAKIMA	5 of 5	21	57
LOWER YAKIMA	7 of 7	22	52
WALLA WALLA, TOUCHET	2 of 4	27	55
LEWIS, COWLITZ	8 of 10	25	58
WHITE, GREEN, PUYALLUP	4 of 8	27	55
CEDAR, SNOQUALMIE, SKYKOMISH, TOLT	9 of 9	17	66
BAKER, SKAGIT, NOOKSACK	5 of 9	28	73
OLYMPIC	1 of 3	*	*
WYOMING			
SNAKE RIVER	14 of 14	74	72
UPPER YELLOWSTONE-MADISON	13 of 13	70	68
WIND RIVER	9 of 9	94	92
BIGHORN BASIN	16 of 16	65	72
SHOSHONE RIVER	7 of 7	58	67
POWDER-TONGUE	12 of 12	74	82
BELLE FOURCHE	3 of 3	42	61
UPPER N. PLATTE RIVER	11 of 11	96	99
LOWER N. PLATTE - SWEETWATER - LARAMIE	10 of 10	86	90
LITTLE SNAKE RIVER	5 of 5	103	105
UPPER GREEN RIVER	11 of 11	81	84
LOWER GREEN RIVER	7 of 7	99	103
UPPER BEAR RIVER	7 of 7	108	112

The Snow Water Equivalent Percent of Average represents the snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day.

equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day.

The TOTAL PRECIPITATION Percent of Average represents the total precipitation (beginning October 1st) found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day.

Contact your state water supply staff for assistance.

Reference period for average conditions is 1971-2000.

Provisional data, subject to revision.

United States Natural Resources Water and Climate Center
 Department of Conservation Portland, Oregon
 Agriculture Service

S N O W - P R E C I P I T A T I O N U P D A T E

Based on Mountain Data from NRCS SNOTEL Sites
 As of TUESDAY: MARCH 1 , 2005

BASIN Data Site Name	ELEV. (Ft)	SNOW WATER EQUIVALENT			TOTAL PRECIPITATION		
		Current	Average	Avg	Current	Average	Avg

UTAH

BEAR RIVER

TRIAL LAKE	9960	25.7	20.6	125	26.7	20.5	130
HAYDEN FORK	9100	15.4	13.2	117	20.6	17.1	120
LILY LAKE	9050	13.4	10.8	124	15.3	14.3	107
MONTE CRISTO	8960	25.0	24.7	101	24.9	21.1	118
TONY GROVE LAKE	8400	35.9	30.0	120	-M	29.5	*
FRANKLIN BASIN	8170	24.1	23.4	103	26.4	25.4	104
BUG LAKE	7950	18.1	17.1	106	19.9	16.2	123
TEMPLE FORK	7406	16.4	-M	*	20.7	-M	*
LITTLE BEAR	6550	14.3	12.8	112	24.9	20.0	124
Basin wide percent of average				113	118		

WEBER-OGDEN RIVERS

TRIAL LAKE	9960	25.7	20.6	125	26.7	20.5	130
THAYNES CANYON	9200	32.9	19.3	170	-M	20.0	*
CHALK CREEK #1	9100	22.6	19.9	114	23.0	20.8	111
MONTE CRISTO	8960	25.0	24.7	101	24.9	21.1	118
DRY BREAD POND	8350	-M	19.0	*	18.8	17.3	109
BEAVER DIVIDE	8280	9.7	10.2	95	18.1	14.8	122
LIGHTNING RIDGE	8215	16.2	-M	*	21.5	-M	*
HORSE RIDGE	8160	20.0	20.2	99	21.2	20.5	103
CHALK CREEK #2	8200	14.4	12.9	112	15.8	13.7	115
BEN LOMOND PEAK	8000	32.9	34.3	96	48.5	36.8	132
FARMINGTON	8000	39.6	27.3	145	34.9	27.7	126
PARRISH CREEK	7740	20.2	-M	*	24.7	-M	*
SMITH & MOREHOUSE	7600	14.0	12.4	113	18.2	15.6	117

PARLEY'S SUMMIT	7500	12.8	15.3	84	19.6	17.7	111
HARDSCRABBLE	7250	18.3	14.3	128	26.9	25.4	106
FARMINGTON LOWER	6779	30.6	-M	*	31.5	-M	*
BEN LOMOND TRAIL	6000	19.8	19.0	104	37.2	25.3	147
Basin wide percent of average				115			120

PROVO R.-UTAH LAKE-JORDAN R.

TRIAL LAKE	9960	25.7	20.6	125	26.7	20.5	130
SNOWBIRD	9640	48.7	28.3	172	-M	31.1	*
CLEAR CREEK #1	9200	21.9	16.7	131	22.7	15.4	147
MILL-D NORTH	8960	27.4	21.0	130	25.8	22.0	117
BRIGHTON	8750	-M	20.4	*	35.6	23.4	152
BEAVER DIVIDE	8280	9.7	10.2	95	18.1	14.8	122
LOOKOUT PEAK	8200	26.1	20.1	130	28.5	25.6	111
TIMPANOGOS DIVIDE	8140	32.5	20.4	159	-M	20.9	*
PAYSON R.S.	8050	15.3	17.2	89	19.4	13.6	143
DANIELS-STRAWBERRY	8000	19.8	15.1	131	24.3	17.2	141
CLEAR CREEK #2	8300	-M	12.3	*	-M	12.6	*
CASCADE MOUNTAIN	7768	18.6	-M	*	27.5	-M	*
PARLEY'S SUMMIT	7500	12.8	15.3	84	19.6	17.7	111
DRY FORK	7160	9.6	14.5	66	16.0	16.5	97
LOUIS MEADOW	6700	15.7	-M	*	23.3	-M	*
Basin wide percent of average				125			127

TOOELE VALLEY-VERNON CREEK

ROCKY BASIN-SETTLEME	8900	24.9	21.2	117	28.2	20.3	139
MINING FORK	8000	22.4	14.9	150	25.0	18.5	135
VERNON CREEK	7500	11.1	10.1	110	24.6	13.2	186
Basin wide percent of average				126			150

GREEN RIVER

STEEL CREEK PARK	10100	12.4	12.7	98	13.1	12.9	102
HEWINTA	9500	7.7	9.1	85	10.2	11.6	88
TROUT CREEK	9400	-M	8.1	*	19.5	10.3	189
HOLE-IN-ROCK	9150	5.7	5.7	100	8.6	5.8	148
HICKERSON PARK	9100	7.1	5.8	122	9.4	6.2	152
KING'S CABIN	8730	16.5	9.4	176	20.5	9.9	207
Basin wide percent of average				116			143

DUCHESNE RIVER

LAKEFORK BASIN	10900	20.4	16.6	123	23.3	17.1	136
FIVE POINTS LAKE	10920	23.1	13.8	167	24.3	15.9	153
BROWN DUCK	10600	28.9	15.0	193	29.1	16.2	180
CHEPETA	10300	27.2	11.4	239	-M	12.6	*
LAKEFORK #1	10100	19.8	10.5	189	20.0	11.6	172
TRIAL LAKE	9960	25.7	20.6	125	26.7	20.5	130
MOSBY MTN.	9500	21.6	9.3	232	25.2	11.2	225
INDIAN CANYON	9100	19.6	9.6	204	24.3	11.8	206

STRAWBERRY DIVIDE	8400	18.6	16.3	114	20.9	18.2	115
DANIELS-STRAWBERRY	8000	19.8	15.1	131	24.3	17.2	141
CURRANT CREEK	8000	12.3	9.6	128	19.6	12.6	156
ROCK CREEK	7900	13.9	7.9	176	18.7	10.7	175
Basin wide percent of average				161			157

PRICE-SAN RAFAEL

SEELEY CREEK	10000	13.2	12.3	107	13.7	11.1	123
BUCK FLAT	9800	15.5	15.3	101	19.6	16.1	122
RED PINE RIDGE	9200	13.4	14.2	94	19.3	15.1	128
MAMMOTH-COTTONWOOD	8800	17.4	17.6	99	16.5	13.4	123
WHITE RIVER #1	8550	16.2	11.6	140	17.5	11.9	147
Basin wide percent of average				107			128

DIRTY DEVIL

DONKEY RESERVOIR	9800	11.2	6.6	170	12.9	7.6	170
BLACK FLAT-U.M. CK	9400	10.7	8.5	126	13.0	9.4	138
DILL'S CAMP	9200	16.2	12.3	132	16.6	14.1	118
Basin wide percent of average				139			137

SOUTH EASTERN UTAH

LASAL MOUNTAIN	9850	-M	10.7	*	19.0	16.9	112
CAMP JACKSON	8600	31.3	12.9	243	-M	15.9	*
EAST WILLOW CREEK	8250	12.5	7.1	176	18.8	9.0	209
Basin wide percent of average				219			146

SEVIER RIVER

CLAYTON SPRINGS	10000	21.7	-M	*	22.6	-M	*
MIDWAY VALLEY	9800	57.7	19.4	297	-M	17.2	*
BOX CREEK	9800	17.2	11.0	156	18.5	11.8	157
FARNSWORTH LAKE	9600	17.8	14.8	120	17.4	15.4	113
PICKLE KEG	9600	11.2	14.1	79	16.8	14.6	115
CASTLE VALLEY	9580	25.9	11.8	219	-M	11.9	*
WIDTSOE #3	9500	33.8	9.7	348	-M	10.9	*
KIMBERLY MINE	9300	16.9	13.3	127	22.9	15.9	144
AGUA CANYON	8900	19.9	7.3	273	27.7	12.2	227
PINE CREEK	8800	18.6	19.3	96	20.1	14.4	140
MAMMOTH-COTTONWOOD	8800	17.4	17.6	99	16.5	13.4	123
GOOSEBERRY R.S.	7920	7.9	7.9	100	13.2	12.5	106
BEAVER DAMS	8000	6.7	10.2	66	14.9	13.5	110
HARRIS FLAT	7800	19.4	6.9	281	30.2	10.0	302
LONG VALLEY JCT	7360	13.4	5.8	231	26.2	10.6	247
Basin wide percent of average				168			156

BEAVER RIVER

BIG FLAT	10290	22.6	15.0	151	24.5	15.4	159
MERCHANT VALLEY	8750	15.8	11.4	139	19.0	12.9	147
Basin wide percent of average				145			154

ESCALANTE RIVER

CLAYTON SPRINGS	10000	21.7	-M	*	22.6	-M	*
DONKEY RESERVOIR	9800	11.2	6.6	170	12.9	7.6	170
WIDTSOE #3	9500	33.8	9.7	348	-M	10.9	*
Basin wide percent of average				276			170*

VIRGIN RIVER

MIDWAY VALLEY	9800	57.7	19.4	297	-M	17.2	*
KOLOB	9250	-M	17.8	*	-M	16.4	*
WEBSTER FLAT	9200	27.8	13.5	206	31.0	14.1	220
GARDNER PEAK	8350	21.6	-M	*	25.6	-M	*
LONG FLAT	8000	14.0	7.4	189	22.5	10.5	214
HARRIS FLAT	7800	19.4	6.9	281	30.2	10.0	302
LONG VALLEY JCT	7360	13.4	5.8	231	26.2	10.6	247
GUTZ PEAK	6818	21.5	-M	*	51.9	-M	*
LITTLE GRASSY	6100	2.1	5.8	36	42.4	13.7	309
Basin wide percent of average				229			259

-M = Missing data

* = Data may not provide a valid measure of conditions.

Units = inches for the Current and Average Snow Water Equivalent and Total Precipitation values

If the Basin wide percent of average value is flagged as potentially invalid, care should be taken to evaluate if the value is representative of conditions in the basin.

The SNOW WATER EQUIVALENT Percent of Average represents the snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day.

The TOTAL PRECIPITATION Percent of Average represents the total precipitation (beginning October 1st) found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day.

Contact your state water supply staff for assistance.

Reference period for average conditions is 1971-2000.

Provisional data, subject to revision.

United States Natural Resources Water and Climate Center
 Department of Conservation Portland, Oregon
 Agriculture Service

S N O W - P R E C I P I T A T I O N U P D A T E

INSTALLATION OF NESTING BOXES - 2004

"In consultation with UDWR (Tony Wright, July 6, 2004) and UDOGM (Jerriann Ernstsens, July 6, 2004) a mitigation project was designated for the Northern Saw Whet Owl to compensate for drilling during the exclusionary period. The project will be completed prior to October 1, 2004. The project will include the construction and installation of 6 to 10 nest boxes on property owned by Canyon Fuel Company, LLC. Because of the UDWR knowledge and experience their personnel will choose the location and install the boxes. Information (goals, procedures, agencies, dates, box locations - township, range, section) concerning the owl mitigation project will be included in the annual report for 2004." *UDOGM Degassification Well Amendment*

GOALS

Installation of boxes to encourage nesting in area disturbed by logging activities. The boxes will likely be used by Northern Saw-whet owls, Kestrels, Flickers and a variety of other bird species.

PROCEDURES

Tony Wright (DWR) provided expertise needed to insure preferred nest placement, installation and the existence of sufficient cover for the 26 nesting boxes placed in the Pine Canyon area and at the head of Dugout Canyon. Boxes were attached to pine, fir and aspen trees, approximately 20 feet from the ground. Jerriann Ernstsens (UDOGM) and Vicky Miller (Canyon Fuel Company, LLC) assisted the DWR with the installation. The first year following installation habitation of the boxes is usually slow.

AGENCIES

UDWR (Tony Wright and Brent Stetler) and UDOGM (Jerriann Ernstsens)

DATES

August 23 and 24, 2004

BOX LOCATIONS (Township, range, section)

Pine and Dugout Canyons Area
Township 13 South Range 12 East
Sections 4, 9, 10, 11, 12, 15, 16

Photographs are attached.









The State of Utah

Department of
Natural Resources

Division of
Wildlife Resources

ROBERT L. MORGAN
Executive Director

KEVIN K. CONWAY
Division Director

MICHAEL O. LEAVITT
Governor

OLENE S. WALKER
Lieutenant Governor

10 August 2004

Vicky Miller
Dugout Canyon Mine
P.O. Box 1029
Wellington, UT 84542

AUG 13 2004

Dear Ms. Miller:

On behalf of the Utah Division of Wildlife I would like to thank the Dugout Canyon Mine for completing mitigation for drilling degassing wells during the summers of 2004, 2005, and 2006. We received 46 nest boxes constructed by dedicated hunters with material provided by Dugout Canyon Mine. We expect the nest boxes to be used by saw-whet owls, kestrels, and a variety of other wildlife species. Your willingness to interact with the Division to enhance wildlife habitat helps us pass our heritage of wildlife diversity to future generations. We look forward to working with you in the future.

Sincerely,

Anthony Wright
Habitat Section
Utah Division of Wildlife Resources
475 West Price River Drive, Suite C.
Price, UT 84501

CC:DJ, CC, JerriAnn Ernsten

APPENDIX C

Legal Financial, Compliance and Related Information

Annual Report of Officers
As submitted to the Utah Department of Commerce

Other change in ownership and control information
As required under R645-301-110

CONTENTS

REFER TO THE GENERAL CHAPTER ONE

APPENDIX D

Mine Maps

As required under R645-302-525-270

CONTENTS

GILSON SEAM MINE MAP
ROCK CANYON SEAM MINE MAP

APPENDIX E

Other Information

In accordance with the requirements of R645-301 and R645-302

CONTENTS

WASTE ROCK ANALYSIS DATA

Inter-Mountain Laboratories, Inc.

Report ID: 010414012

1673 Terra Avenue
Sheridan, WY 82801

Soil Analysis Report

Canyon Fuel Co

Dugout Mine

P.O. Box 1029

Wellington, UT 84542

Page 1 of 8

Client Project ID: OVB

Date Received: 08/18/04

Set #0104S14012
Report Date: 09/16/04

Lab Id	Sample Id	pH	Saturation	EC	Calcium	Magnesium	Sodium	SAR
		s.u.	%	@ 25°C dS/m	meq/L	meq/L	meq/L	
104S14012	WR21	7.0	36.1	2.60	18.8	9.25	4.15	1.11
104S14013	WR22	7.1	34.4	2.86	19.4	14.4	4.15	1.01
104S14014	WR23	7.1	35.6	3.95	22.3	23.8	9.02	1.88
104S14015	WR24	7.1	46.6	2.54	18.7	9.43	4.50	1.20
104S14016	WR25	7.2	38.0	2.32	12.7	10.3	4.12	1.21
104S14017	WR26	7.2	35.9	4.81	23.0	35.8	13.1	2.41
104S14018	WR27	7.2	34.8	2.73	25.5	16.4	4.29	0.94
104S14019	WR28	7.2	34.6	3.31	24.5	17.1	5.96	1.31
104S14020	WR29	7.6	32.1	4.43	24.4	18.1	20.6	4.46
104S14021	WR30	7.5	37.0	3.79	19.4	14.9	16.9	4.07
104S14022	WR31	7.6	38.1	2.63	15.4	10.8	10.5	2.90
104S14023	WR32	7.5	28.1	10.8	34.5	51.0	64.6	9.89
104S14024	WR33	7.5	32.5	6.78	29.8	22.7	40.8	7.96
104S14025	WR34	7.6	35.4	4.95	24.6	29.3	20.2	3.90
104S14026	WR35	7.3	31.7	7.33	35.9	24.4	38.4	7.00

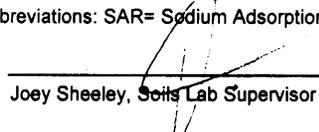
These results only apply to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2Osol= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neut. Pot.= Neutralization Potential

Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed By:


Joey Sheeley, Soils Lab Supervisor

Report ID: 010414012

1673 Terra Avenue
Sheridan, WY 82801

Soil Analysis Report

Canyon Fuel Co

Dugout Mine

P.O. Box 1029

Wellington, UT 84542

Page 2 of 8

Client Project ID: OVB

Date Received: 08/18/04

Set #0104S14012

Report Date: 09/16/04

Lab Id	Sample Id	Coarse Fragments %	Sand %	Silt %	Clay %	Texture	Field Capacity %	Wilting Point %
104S14012	WR21	59.6	87.0	7.0	6.0	LOAMY SAND	16.1	5.4
104S14013	WR22	70.1	84.0	9.0	7.0	LOAMY SAND	17.2	6.1
104S14014	WR23	71.7	86.0	8.0	6.0	LOAMY SAND	14.6	4.9
104S14015	WR24	66.5	88.0	7.0	5.0	SAND	15.1	14.4
104S14016	WR25	70.6	85.0	9.0	6.0	LOAMY SAND	14.6	5.5
104S14017	WR26	52.7	84.0	8.0	8.0	LOAMY SAND	20.4	6.2
104S14018	WR27	60.1	83.0	9.0	8.0	LOAMY SAND	18.7	6.3
104S14019	WR28	56.4	84.0	10.0	6.0	LOAMY SAND	20.7	5.6
104S14020	WR29	28.4	69.0	15.0	16.0	SANDY LOAM	20.0	10.5
104S14021	WR30	23.9	64.0	18.0	18.0	SANDY LOAM	22.4	3.5
104S14022	WR31	26.6	58.0	25.0	17.0	SANDY LOAM	22.4	12.1
104S14023	WR32	38.4	58.0	25.0	17.0	SANDY LOAM	20.9	8.6
104S14024	WR33	34.8	59.0	23.0	18.0	SANDY LOAM	21.9	10.2
104S14025	WR34	12.1	60.0	24.0	16.0	SANDY LOAM	25.2	11.5
104S14026	WR35	20.9	56.0	27.0	17.0	SANDY LOAM	22.8	12.1

These results only apply to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2Osol= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neut. Pot.= Neutralization Potential

Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed By:


Joey Sheeley, Soils Lab Supervisor

Report ID: 010414012

1673 Terra Avenue
Sheridan, WY 82801

Soil Analysis Report

Canyon Fuel Co

Dugout Mine

P.O. Box 1029

Wellington, UT 84542

Page 3 of 8

Client Project ID: OVB

Date Received: 08/18/04

Set #0104S14012

Report Date: 09/16/04

Lab Id	Sample Id	TOC %	Total Sulfur %	T.S. AB t/1000t	Neutral. Pot. t/1000t	T.S. ABP t/1000t	Sulfate- Sulfur %	Pyritic- Sulfur %	Organic- Sulfur %	PyrS AB t/1000t	PyrS ABP t/1000t
104S14012	WR21	74.9	0.82	25.6	30.3	4.66					
104S14013	WR22	65.4	0.85	26.6	43.7	17.2					
104S14014	WR23	72.9	0.87	27.2	33.9	6.71					
104S14015	WR24	88.7	0.95	29.7	20.5	-9.17	0.02	0.25	0.68	7.81	12.7
104S14016	WR25	69.4	0.81	25.3	38.0	12.6					
104S14017	WR26	65.5	0.87	27.2	44.7	17.6					
104S14018	WR27	66.8	0.96	30.0	40.0	10.0					
104S14019	WR28	64.8	0.90	28.1	44.2	16.0					
104S14020	WR29	14.8	0.17	5.31	156	151					
104S14021	WR30	21.1	0.20	6.25	143	137					
104S14022	WR31	22.6	0.22	6.87	134	127					
104S14023	WR32	3.8	0.07	2.19	114	112					
104S14024	WR33	17.1	0.17	5.31	153	148					
104S14025	WR34	43.0	0.46	14.4	97.2	82.9					
104S14026	WR35	25.2	0.26	8.12	141	133					

These results only apply to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2OSol= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neut. Pot.= Neutralization Potential

Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed By:

Joey Sheeley, Soils Lab Supervisor

Inter-Mountain Laboratories, Inc.

Report ID: 010414012

Soil Analysis Report

Canyon Fuel Co

Dugout Mine

P.O. Box 1029

Wellington, UT 84542

1673 Terra Avenue
Sheridan, WY 82801

Page 4 of 8

Client Project ID: OVB

Date Received: 08/18/04

Set #0104S14012

Report Date: 09/16/04

Lab Id	Sample Id	Boron	Nitrogen	TKN	Selenium	Available	Exchangeable
		ppm	Nitrate			Sodium	Sodium
			ppm	%	ppm	meq/100g	meq/100g
104S14012	WR21	1.21	0.38	0.78	0.04	0.30	0.15
104S14013	WR22	1.00	0.18	0.70	0.08	0.21	0.07
104S14014	WR23	1.49	0.68	0.76	0.06	0.46	0.14
104S14015	WR24	1.31	0.32	0.84	0.02	0.26	0.05
104S14016	WR25	1.06	0.16	0.71	0.04	0.19	0.03
104S14017	WR26	1.95	0.32	0.74	0.14	0.65	0.18
104S14018	WR27	1.29	0.32	0.72	0.06	0.18	0.03
104S14019	WR28	1.56	0.38	0.47	0.10	0.32	0.11
104S14020	WR29	1.34	<0.02	0.12	0.02	1.20	0.54
104S14021	WR30	1.36	0.20	0.19	0.02	1.15	0.53
104S14022	WR31	1.45	<0.02	0.31	0.02	0.81	0.41
104S14023	WR32	1.02	11.7	0.06	0.04	3.17	1.35
104S14024	WR33	1.29	<0.02	0.19	0.04	2.32	0.99
104S14025	WR34	3.35	<0.02	0.46	0.32	1.39	0.67
104S14026	WR35	1.41	<0.02	0.24	0.02	2.23	1.01

These results only apply to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2OSol= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neut. Pot.= Neutralization Potential

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Dugout Mine

P.O. Box 1029

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Client Project ID: OVB

Date Received: 08/18/04

Set #0104S14012

Report Date: 09/16/04

Lab Id	Sample Id	pH	Saturation	EC	Calcium	Magnesium	Sodium	SAR
		s.u.	%	@ 25°C dS/m				
104S14019	WR28	7.2	34.6	3.31	24.5	17.1	5.96	1.31
104S14019D	WR28	7.2	36.1	3.30	25.4	16.0	5.63	1.24
104S14024	WR33	7.5	32.5	6.78	29.8	22.7	40.8	7.96
104S14024D	WR33	7.5	31.1	6.78	28.8	22.4	41.1	8.13

These results only apply to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2OSol= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neut. Pot.= Neutralization Potential

Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

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Dugout Mine

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Client Project ID: OVB

Date Received: 08/18/04

Set #0104S14012

Report Date: 09/16/04

Lab Id	Sample Id	Coarse Fragments %	Sand %	Silt %	Clay %	Texture	Field Capacity %	Wilting Point %
104S14019	WR28	56.4	84.0	10.0	6.0	LOAMY SAND	20.7	5.6
104S14019D	WR28		84.0	10.0	6.0	LOAMY SAND		
104S14024	WR33	34.8	59.0	23.0	18.0	SANDY LOAM	21.9	10.2
104S14024D	WR33		58.0	24.0	18.0	SANDY LOAM	21.8	9.9

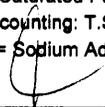
These results only apply to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2OSol= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neut. Pot.= Neutralization Potential

Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

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Soil Analysis Report

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Client Project ID: OVB

Date Received: 08/18/04

Set #0104S14012

Report Date: 09/16/04

Lab Id	Sample Id	TOC %	Total Sulfur %	T.S. AB t/1000t	Neutral. Pot. t/1000t	T.S. ABP t/1000t	Sulfate- Sulfur %	Pyritic- Sulfur %	Organic- Sulfur %	PyrS AB t/1000t	PyrS ABP t/1000t
104S14019	WR28	64.8	0.90	28.1	44.2	16.0					
104S14019D	WR28	63.3	0.91	28.4	46.9	18.4					
104S14024	WR33	17.1	0.17	5.31	153	148					
104S14024D	WR33	16.7	0.18	5.62	154	148					

These results only apply to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2OSol= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S. = Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neut. Pot.= Neutralization Potential

Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed By:

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Soil Analysis Report

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Dugout Mine

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Client Project ID: OVB

Date Received: 08/18/04

Set #0104S14012

Report Date: 09/16/04

Lab Id	Sample Id	Boron	Nitrogen	TKN	Selenium	Available	Exchangeable
		ppm	Nitrate			Sodium	Sodium
		ppm	ppm	%	ppm	meq/100g	meq/100g
104S14019	WR28	1.56	0.38	0.47	0.10	0.32	0.11
104S14019D	WR28	1.60	0.38	0.52	0.08	0.29	0.09
104S14024	WR33	1.29	<0.02	0.19	0.04	2.32	0.99
104S14024D	WR33	1.27	<0.02	0.19	0.04	2.33	1.05

These results only apply to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2Osol= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neut. Pot.= Neutralization Potential

Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed By:

Joey Sheeley, Soils Lab Supervisor

Report ID: 010417421

1673 Terra Avenue
Sheridan, WY 82801

Soil Analysis Report

Canyon Fuel Co

Dugout Mine

P.O. Box 1029

Wellington, UT 84542

Page 1 of 6

Client Project ID: Dugout Canyon Mine

Date Received: 12/20/04

Set #0104S17421

Report Date: 01/10/05

Lab Id	Sample Id	pH s.u.	Saturation %	EC @ 25°C dS/m	Calcium meq/L	Magnesium meq/L	Sodium meq/L	SAR	Sand %	Silt %	Clay %	Texture
0104S17421	#1 12/08/2004	7.0	37.3	1.01	3.06	3.92	1.72	0.92	88.0	6.0	6.0	LOAMY SAND
0104S17422	#2 12/08/2004	7.2	36.3	0.77	2.57	3.51	1.59	0.91	86.0	8.0	6.0	LOAMY SAND
0104S17423	#3 12/08/2004	7.2	34.2	0.95	2.94	4.16	1.59	0.84	90.0	2.0	8.0	SAND
0104S17424	#4 12/08/2004	7.3	37.2	0.91	2.73	3.91	1.37	0.75	89.0	4.0	7.0	SAND
0104S17425	#1 12/09/2004	7.2	35.9	0.86	2.47	3.72	1.33	0.75	87.0	7.0	6.0	LOAMY SAND
0104S17426	#2 12/09/2004	7.1	34.7	0.82	2.31	3.46	1.27	0.75	84.0	8.0	8.0	LOAMY SAND
0104S17427	#3 12/09/2004	7.2	32.7	0.79	2.24	3.00	2.30	1.42	88.0	5.0	7.0	LOAMY SAND
0104S17428	#4 12/09/2004	7.1	35.0	0.80	2.26	3.29	1.53	0.92	86.0	7.0	7.0	LOAMY SAND
0104S17429	#1 12/10/2004	7.2	36.5	0.63	1.63	2.46	1.45	1.02	85.0	8.0	7.0	LOAMY SAND
0104S17430	#2 12/10/2004	7.2	34.4	0.65	1.65	2.48	1.46	1.01	84.0	9.0	7.0	LOAMY SAND
0104S17431	#3 12/10/2004	7.1	35.1	0.67	1.66	2.43	1.67	1.17	86.0	8.0	6.0	LOAMY SAND
0104S17432	#4 12/10/2004	7.3	35.3	0.71	1.81	2.77	1.36	0.90	84.0	9.0	7.0	LOAMY SAND
0104S17433	#1 12/11/2004	7.2	38.0	0.93	3.13	4.05	1.65	0.87	89.0	5.0	6.0	SAND

These results only apply to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2Osol= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neut. Pot.= Neutralization Potential

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Joey Sheeley, Soils Lab Supervisor

Report ID: 010417421

1673 Terra Avenue
Sheridan, WY 82801

Soil Analysis Report

Canyon Fuel Co

Dugout Mine

P.O. Box 1029

Wellington, UT 84542

Client Project ID: Dugout Canyon Mine

Date Received: 12/20/04

Set #0104S17421

Report Date: 01/10/05

Lab Id	Sample Id	Coarse Fragments %	Field Capacity %	Wilt Point %	Available Sodium meq/100g	Exchangeable Sodium meq/100g	Boron ppm	Nitrogen Nitrate ppm	Selenium ppm	TKN %
0104S17421	#1 12/08/2004	68.8	16.4	4.8	0.07	0.01	0.34	0.06	<0.02	0.87
0104S17422	#2 12/08/2004	71.8	13.5	4.8	0.07	0.01	0.33	0.02	<0.02	1.10
0104S17423	#3 12/08/2004	67.6	14.5	4.5	0.06	0.01	0.35	0.04	<0.02	1.16
0104S17424	#4 12/08/2004	67.7	14.6	4.5	0.06	0.01	0.42	0.20	0.20	1.10
0104S17425	#1 12/09/2004	78.4	14.7	4.7	0.05	<0.01	0.41	0.16	<0.02	1.05
0104S17426	#2 12/09/2004	75.2	14.8	4.5	0.06	0.02	0.50	0.24	<0.02	0.69
0104S17427	#3 12/09/2004	69.3	15.1	4.6	0.06	<0.01	0.41	0.14	<0.02	1.09
0104S17428	#4 12/09/2004	73.5	15.3	4.2	0.06	0.01	0.43	0.14	<0.02	1.15
0104S17429	#1 12/10/2004	68.2	14.0	4.5	0.06	0.01	0.27	0.10	<0.02	1.04
0104S17430	#2 12/10/2004	67.2	12.1	4.3	0.16	0.11	0.39	0.10	<0.02	0.97
0104S17431	#3 12/10/2004	71.4	15.2	4.4	0.07	0.01	0.36	0.10	<0.02	1.19
0104S17432	#4 12/10/2004	78.2	22.1	4.6	0.06	0.01	0.34	0.08	<0.02	1.07
0104S17433	#1 12/11/2004	80.1	23.5	4.6	0.06	<0.01	0.35	0.06	<0.02	0.95

These results only apply to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2OSol= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neut. Pot.= Neutralization Potential

Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed By:

Joey Sheeley, Soils Lab Supervisor

Report ID: 010417421

1673 Terra Avenue
Sheridan, WY 82801

Soil Analysis Report

Canyon Fuel Co

Dugout Mine

P.O. Box 1029

Wellington, UT 84542

Page 3 of 6

Client Project ID: Dugout Canyon Mine

Date Received: 12/20/04

Set #0104S17421

Report Date: 01/10/05

Lab Id	Sample Id	TOC %	Total Sulfur %	T.S. AB t/1000t	Neutral. Pot. t/1000t	T.S. ABP t/1000t	Sulfate- Sulfur %	Pyritic- Sulfur %	Organic- Sulfur %	PyrS AB t/1000t	PyrS ABP t/1000t
0104S17421	#1 12/08/2004	60.9	0.70	21.9	14.7	-7.12	0.05	0.16	0.49	5.00	9.75
0104S17422	#2 12/08/2004	56.5	0.79	24.7	18.2	-6.51	0.04	0.29	0.46	9.06	9.11
0104S17423	#3 12/08/2004	60.5	0.76	23.7	16.3	-7.46	0.03	0.26	0.47	8.12	8.16
0104S17424	#4 12/08/2004	63.3	0.74	23.1	14.3	-8.78	0.03	0.26	0.45	8.12	6.22
0104S17425	#1 12/09/2004	53.2	0.71	22.2	14.0	-8.20	0.04	0.27	0.40	8.43	5.55
0104S17426	#2 12/09/2004	53.4	0.71	22.2	14.5	-7.70	0.04	0.27	0.40	8.43	6.05
0104S17427	#3 12/09/2004	58.7	0.68	21.2	11.7	-9.51	0.06	0.21	0.41	6.56	5.18
0104S17428	#4 12/09/2004	61.4	0.75	23.4	12.1	-11.4	0.10	0.25	0.40	7.81	4.26
0104S17429	#1 12/10/2004	57.8	0.70	21.9	14.1	-7.79	0.04	0.31	0.35	9.68	4.39
0104S17430	#2 12/10/2004	57.4	0.72	22.5	13.6	-8.86	0.06	0.30	0.36	9.37	4.26
0104S17431	#3 12/10/2004	63.2	0.69	21.6	12.3	-9.23	0.13	0.23	0.33	7.19	5.14
0104S17432	#4 12/10/2004	57.0	0.74	23.1	16.0	-7.07	0.15	0.24	0.35	7.50	8.55
0104S17433	#1 12/11/2004	71.2	0.70	21.9	14.6	-7.29	0.10	0.22	0.38	6.87	7.70

These results only apply to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2Osol= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neut. Pot.= Neutralization Potential

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Reviewed By:

Joey Sheeley, Soils Lab Supervisor

Report ID: 010417421

1673 Terra Avenue
Sheridan, WY 82801

Soil Analysis Report

Canyon Fuel Co

Dugout Mine

P.O. Box 1029

Wellington, UT 84542

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Client Project ID: Dugout Canyon Mine

Date Received: 12/20/04

Set #0104S17421
Report Date: 01/10/05

Lab Id	Sample Id	Coarse Fragments %	Field Capacity %	Wilt Point %	Available Sodium meq/100g	Exchangeable Sodium meq/100g	Boron ppm	Nitrogen Nitrate ppm	Selenium ppm	TKN %
0104S17427	#3 12/09/2004	69.3	15.1	4.6	0.06	<0.01	0.41	0.14	<0.02	1.09
0104S17427D	#3 12/09/2004	0.0	15.2	4.6	0.05	<0.01	0.42	0.12	<0.02	1.01

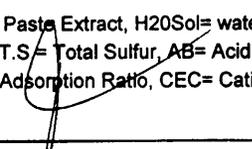
These results only apply to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2Osol= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

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Soil Analysis Report

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Dugout Mine

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Page 6 of 6

Client Project ID: Dugout Canyon Mine

Date Received: 12/20/04

Set #0104S17421

Report Date: 01/10/05

Lab Id	Sample Id	TOC %	Total Sulfur %	T.S. AB t/1000t	Neutral. Pot. t/1000t	T.S. ABP t/1000t	Sulfate- Sulfur %	Pyritic- Sulfur %	Organic- Sulfur %	PyrS AB t/1000t	PyrS ABP t/1000t
0104S17427	#3 12/09/2004	58.7	0.68	21.2	11.7	-9.51	0.06	0.21	0.41	6.56	5.18
0104S17427D	#3 12/09/2004	59.6	0.68	21.2	11.9	-9.39	0.05	0.24	0.39	7.50	4.36

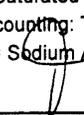
These results only apply to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H₂O_{sol}= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neut. Pot.= Neutralization Potential

Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed By:


Joey Sheeley, Soils Lab Supervisor

Inter-Mountain Laboratories, Inc.
CHAIN OF CUSTODY
DUGOUT CANYON MINE

Sample Identification	12-3-04A	12-3-04B	12-6-04A	12-6-04B	12-07-04A	12-07-04B	12-9-04A	12-9-04B	12-16-04A	12-16-04B	12-29-04
Sample Date	12/03/04	12/03/04	12/06/04	12/06/04	12/07/04	12/07/04	12/09/04	12/09/04	12/16/04	12/16/04	12/29/04
Sample Time	655	700	1000	1010	710	720	715	720	1135	1140	710
Number of Samples	1	1	1	1	1	1	1	1	1	1	1
Type of Soil	WR	WR	WR	WR	WR	WR	WR	WR	WR	WR	WR
Laboratory Analyses											
Table 6, Topsoil & Overburden											
Parameters and											
Texture											

WR (Waste Rock), SS (Sub-Soil), TS (Topsoil)

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
<i>Wesley J. Miller</i>	3/21/05	1400			

Inter-Mountain Laboratories, Inc.
CHAIN OF CUSTODY
DUGOUT CANYON MINE

Sample Identification	12-20-04A	12-20-04B	12-21-04A	12-21-04B	12-22-04A	12-22-04B	1-4-05A	1-7-05A	1-13-05A	1-14-05A	1-15-05A
Sample Date	12/20/04	12/20/04	12/21/04	12/21/04	12/22/04	12/22/04	1/4/2005	1/7/2005	1/13/2005	01/14/05	01/15/05
Sample Time	705	705	920	920	840	840	700	715	700	1510	1420
Number of Samples	1	1	1	1	1	1	1	1	1	1	1
Type of Soil	WR	WR	WR	WR	WR	WR	WR	WR	WR	WR	WR
Laboratory Analyses											
Table 6, Topsoil & Overburden											
Parameters and											
Texture											

WR (Waste Rock), SS (Sub-Soil), TS (Topsoil)

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
<i>Wesley S Miller</i>	3/21/05	1400			

Inter-Mountain Laboratories, Inc.
CHAIN OF CUSTODY
DUGOUT CANYON MINE

Sample Identification	3-15-05A										
Sample Date	03/15/05										
Sample Time	1535										
Number of Samples	1	1	1	1	1	1	1	1	1	1	1
Type of Soil	WR	WR	WR	WR	WR	WR	WR	WR	WR	WR	WR
Laboratory Analyses											
Table 6, Topsoil & Overburden											
Parameters and											
Texture											

WR (Waste Rock), SS (Sub-Soil), TS (Topsoil)

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
<i>Verly A. Miller</i>	3/21/05	1400			