

0004

# SWISHER COAL CO.

P. O. BOX AU  
PRICE, UTAH 84501  
PHONE 801-637-5050



August 21, 1979

Mr. Mike Thompson  
Engineering Geologist  
State of Utah  
Division of Oil, Gas & Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

Re: Gordon Creek #2 Mine  
Jewkes' Spring Data

Dear Mike:

Enclosed is the data you requested on the Jewkes' Spring, including our mining dates below the area.

I would like to reaffirm our discussions of this matter during your last visit:

1. The #2 Mine has never made any appreciable amount of water. While some small isolated pockets have been encountered, they have dried up shortly after, and no water has been discharged from the mine. This is a dry mine compared to most in the general area.
2. Swisher has been monitoring the Jewkes' Spring for some time, and the flow rate has actually increased in the past year. We have set up a long-range program to continue to monitor the spring on a monthly basis (this will be part of our Mining and Reclamation Plan) along with monitoring of underground water, if encountered.

I hope this data will be of some help to you. If you need any further information please let me know.

Respectfully,

A handwritten signature in cursive script, appearing to read 'Dan W. Guy'.

Dan W. Guy, P.E.  
Chief Engineer

DWG/rh

Enclosures

*Industrial and Domestic Coals*

FIELD MEASUREMENTS

Sampling Date 8-16-78

Gordon Creek #2		Time	pH	6 PM Flow	Temp.	Specific Conductance
USGS #2-1	T <u>6' weir</u>	4:50		2.19	7°C	
USGS #2-2	T <u>4' weir</u>	5:20		12.4	15°C	
USGS #2-3	T <u>3' weir</u>	6:10		8.89	16.5°C	
USGS #2-4	C					
USGS #2-5	T	7:10		81.7	15°C	
OSM #2	C Dry	<del>—————→</del>				
Spring #1 - Weir	T	5:45	—	3.83	—	—
Spring #2 - Bucket	T	5:50	—	43s = 6.977	—	—
Gordon Creek #3						
OSM #4	C	2:20		21.7	24°C	—
OSM #5 - EPA #1	C	2:08		193	—	—
Huntington Canyon #4						
USGS #4-1	T					
USGS #4-2	T					
USGS #4-3	C-Dry	<del>—————</del>				
USGS #4-4	C	10:50	~~~~~	6.05	9°C	
OSM #3	C	11:25		41.8	<del>10°C</del>	—

43s

Sampled By Marlin Wilson

FIELD MEASUREMENTS *Friday* Sampling Date *Sept 1, 1978*

*GPM*

Gordon Creek #2	Time	pH	Flow	Temp.	Specific Conductance
USGS #2-1					
USGS #2-2					
USGS #2-3					
USGS #2-4					
USGS #2-5					
OSM #2					
Spring #1 - Weir					
Spring #2 - Bucket					
Gordon Creek #3					
OSM #4					
OSM #5 - EPA #1	<i>2:10</i>	<i>—</i>	<i>236</i>	<i>13°C</i>	<i>—</i>
Huntington Canyon #4					
USGS #4-1					
USGS #4-2					
USGS #4-3					
USGS #4-4					
OSM #3					

Sampled By *Markin Neely*

485-5761

## FIELD MEASUREMENTS

Sampling Date

Sept. 15, 1972

6 PM

Flow

Specific  
Conductance

Gordon Creek #2	Time	pH	Flow	Temp.	Specific Conductance
USGS #2-1	Trickle <sup>H<sub>2</sub>O</sup> dry		less than (5)		
USGS #2-2	2:25		~ 6.05	11°C	
USGS #2-3					
USGS #2-4	12:20		59.7	11°C	
USGS #2-5	12:50		81.7	11°C	
OSM #2	dry				
Spring #1 - Weir	2:00	—	1.75 <sup>(.75")</sup>	—	—
Spring #2 - Bucket	2:05		9 min 30 sec / 5 gal (.526)		
Gordon Creek #3					
OSM #4	11:55		27.5	15°C	
OSM #5 - EPA #1	11:45		174	13°C	
Huntington Canyon #4					
USGS #4-1			> 180?		
USGS #4-2					
USGS #4-3	Dry				
USGS #4-4	9:20 AM		1 cpm	9°C	
OSM #3	9:35 AM		24.7	9°C	
PA #2 - Overflow	10:00 AM		10 sec / 5 gal (.30 cpm)	8°C	

Sampled By

FIELD MEASUREMENTS

Sampling Date 8-4-78

Gordon Creek #2	Time	pH	6PM Flow	Temp.	Specific Conductance
USGS #2-1 Truck					
USGS #2-2 Truck					
USGS #2-3 Truck					
USGS #2-4 Car	2:00 p.m.	2.1	4.0" = 70.2	17.5°C	510
USGS #2-5 Truck					
OSM #2 Car	Dry				
Spring #1 - Weir Truck					
Spring #2 - Bucket T					
<u>Gordon Creek #3.</u>					
OSM #4 Car	1:35 p.m.		4.25" = 81.7		
OSM #5 - EPA #1 Car	1:25		1" = 2.19		
<u>Huntington Canyon #4</u>					
USGS #4-1					
USGS #4-2					
USGS #4-3					
USGS #4-4					
OSM #3					

Sampled By Marlin Nelson

USGS #2-4 | - sampled: 8-4-78

Analysis done by  
Marlin Neilson  
8-6-78

Conductivity - 575  $\mu\text{mhos/cm}$

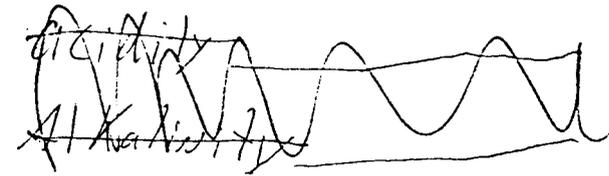
pH - 7.83

Iron - .05  $\frac{\text{mg}}{\text{l}}$

Manganese - 3.95  $\frac{\text{mg}}{\text{l}}$

Suspended Solids -

Turbidity - 25 FTU



Gordon Creek Spring

July 20, 1978

On July 19, 1978, Gene Davis, Movell Jewkes, and I drove up Gordon Creek to the spring Mr. Jewkes claims we caused to dry up last summer. The spring, in question, is a 3" pipe coming out of a cement box that Mr. Jewkes built. The spring was running about 1/3 of its normal flow according to Mr. Jewkes. He also showed us another spring 150 feet to the North of the main spring that is undeveloped but running some water. This is the same undeveloped spring I had been to last summer while looking for a 1/4 corner not 20 feet away. This spring was running last summer. The developed (Jewkes) spring I did not notice last year.

The next day Gene Davis, Marlin Neilson, and I returned to the springs and installed a 90° V notch weir in the North spring and measured 1½" flow, which equals 6.05 gallon per minute. We then used a 5 gallon bucket at the developed (Jewkes) spring and measured the time it took to fill the bucket. This took 17 seconds and equals 17.65 gallons per minute at the end of the 3" pipe.

Bruce Ware

BW/ag

July 20, 1979

Today Gene Davis & I drove up to Jewkes Spring & measured the flow at the 3" pipe, we ~~timed~~ measured the time it took to fill a 5 gallon bucket full of water from the spring, it took 10 seconds to fill the bucket, we measured this way 4 times to get this average, all 4 measurements were the same. All of the springs in the area are flowing better than last year

Note: 10 seconds = 30 gal per min. Bruce Ware July 20, 1979



# United States Department of the Interior

## GEOLOGICAL SURVEY

Office of the Area Mining Supervisor  
 Conservation Division  
 8426 Federal Building  
 125 South State Street  
 Salt Lake City, Utah 84138

December 12, 1978

**RECEIVED**  
 DEC 13 1978

Memorandum

To: File  
 From: Mining Engineer  
 Subject: Jewkes Spring above Swisher Coal Company's  
 Gordon Creek No. 2 Mine

**SWISHER COAL CO.**

Last week Larry Damerou of the OSM office in Denver called for information about a spring which reportedly had dried up as a result of mining by Swisher Coal Company at its Gordon Creek No. 2 mine. Movell Jewkes of Price, Utah, had written Rep. Gunn McKay charging damages to the spring by mining. The letter was referred to OSM by McKay's office.

In letters dated January 27, 1978, a mining engineer for Swisher had informed Mr. Jewkes and other surface owners above the mine that mining was proceeding under the property and that access for surveying was necessary to enter on the land to monitor subsidence and hydrology as required by Federal regulations.

In late spring or early summer of 1978, Movell Jewkes came into our office and stated that his spring had dried up. Mr. Jewkes was shown mine maps which indicated that mining had occurred under the area in question in the spring of 1977. We instructed Mr. Jewkes to contact Mr. Robb of Swisher Coal to attempt to resolve the conflict. We have had no contact relative to the spring with any of the affected parties since that time.

In order to update our office files we contacted Mr. Dan Guy, present mining engineer of Swisher. Mr. Guy checked Swisher Coal Company's files and located three letters.

On June 23, 1978, Mr. Jewkes wrote Mr. Robb, of Swisher, and stated that the spring in question had been flowing a "full stream" in October 1976 but was dried up on April 29, 1977.

In an inner office memorandum dated July 20, 1978, Bruce Ware, Swisher's surveyor stated that he and Mr. Jewkes' son drove to the spring on July 19, 1978. They located the spring in question. It was equipped with a 3-inch pipe discharging from a concrete box. According to Mr. Jewkes's son, the pipe was flowing about one-third normal at the time. They also located a second spring 150 feet north of the improved spring.

Next day, July 20, 1978, Mr. Ware returned to the area and installed a "V"-notched weir in the north spring and measured the flow rate at 6.05 gallons per minute. He then measured the lower spring by catching the water from the 3-inch pipe discharge in a 5 gallon bucket and determined the flow to be 17.65 gallons per minute.

On July 28, 1978, Mr. Max Robb responded to Mr. Jewkes' June 23, 1978, letter. He acknowledged that Swisher had workings in that area under the spring in 1977. He stated that Swisher had always had some water in the mine but that there was no added amount of water in the area in question. Mr. Robb recalled the recent drought condition and noted that other springs had had less water during that drought but were flowing better now. He expressed in his letter a hope that this was an indication that the groundwater aquifers were recharging and better flow in the springs should return.

*Allen L. Vance*

Allen L. Vance

cc: Swisher Coal Company ✓

Price, Ut  
June 23, 1978

Mr. Max Robb, Supt.  
Swisher Coal Co.  
P. O. Box A U  
Price, Utah 84501

Dear Mr. Robb:

I called at your office today to discuss a matter of importance to your company, my wife, me, and others.

My wife received a letter dated Jan 27, 1978, signed by Dave Shaver, Chief Engineer, stating "You are notified that our company has conducted or may conduct mining operations in the future under this land and that there is a remote possibility of subsidence. New federal laws require that mining companies monitor subsidence and hydrology above their mine workings. This may require that our surveying teams have access onto the above described land."

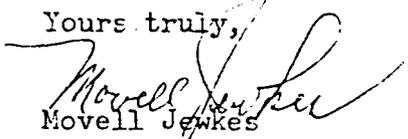
We acknowledge that we and others are the owners of the surface rights of the land described in your letter, also that we did provide a key to your surveying crew in the spring of 1977 as per telephone request and that your survey crews did enter upon the premises without notice or permission prior to requesting a key to the gate to the property.

Some of the owners have a culinary filing on water rights for three homes on a spring located approximately 320 ft. N. and 18 ft. E. of the S.W. (quarter) of section 7 T. 13 S. R. 8E. SLBM. This filing dates back to 1960 and prior to that a diligence filing for stock watering purposes was in effect. This spring had been known to flow continuously since the beginning of the history of Carbon County and is the one where travelers on the old road from Scofield to Price stopped to water their teams and fill their water barrels before continuing their journey. The spring was flowing a full stream in October 1976 when I stopped there in company with two geologists. The spring was reported dried up when my son, Robert F. Jewkes, took a couple of prospective buyers of a summer homesite to the area on April 29, 1977. Upon further investigation I found that the spring had been reported dry to our caretaker at an earlier date but not to me because I was recovering from surgery in Salt Lake City at that time. On April 29, 1977, my son encountered members of your surveying team near the spring and when he asked what they were doing there they informed him they worked for Swisher Coal Co. and that the mining operation had been extended to the area under the spring.

In checking with the Dept. of the Interior offices in Salt Lake City, we find that your maps of your mining operations filed with them show that you were mining under that particular area in January 1977. We have discovered further evidence that your mining operations is the cause of the loss of a spring intended to supply culinary water to summer homes to be built in the area, therefore we demand that Swisher Coal and or its parent company take measures to restore the flow of water to the spring described herein.

May I hear from you within thirty days what measures your company plans for restoring the flow of water to the spring.

Yours truly,

  
Movell Jewkes

730 N. 4th E.  
Price, Utah 84501

## Gordon Creek Spring

July 20, 1978

On July 19, 1978, Gene Davis, Movell Jewkes, and I drove up Gordon Creek to the spring Mr. Jewkes claims we caused to dry up last summer. The spring, in question, is a 3" pipe coming out of a cement box that Mr. Jewkes built. The spring was running about 1/3 of its normal flow according to Mr. Jewkes. He also showed us another spring 150 feet to the North of the main spring that is undeveloped but running some water. This is the same undeveloped spring I had been to last summer while looking for a 1/4 corner not 20 feet away. This spring was running last summer. The developed (Jewkes) spring I did not notice last year.

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Bruce Ware

BW/ag

SWISHER COAL CO.

P. O. BOX A U  
PRICE, UTAH 84501  
PHONE 801-637-5050

July 27, 1978

Mr. Movell Jewkes  
730 North 400 East  
Price, Utah 84501

Mr. Jewkes:

This will respond to your letter of June 23, 1978.

We acknowledge that Swisher Coal has mine workings under the general area where you described the spring is located. These workings were developed and retreated in 1976 and 1977. We observed no unusual or additional amounts of water as we developed these workings. The mine has always made small amounts of water from the time Swisher opened in 1967. Therefore, we believe that any significant changes in flow you might have experienced last year were probably due to the unusual drouth conditions common to our entire area.

Our surveyor, Mr. Bruce Ware, has advised me that he accompanied you to the spring site in Beaver Creek and that the spring was in fact flowing from a 3-inch pipe out of your collection box; other springs in the vicinity were also flowing. We hope this would indicate that as ground water is recharged with more moisture your springs have or will return to normal.

I am sorry to have been so long in answering your letter, but I too have been putting in some hospital time.

Very truly yours,



Max A. Robb,  
President

MAR/rh