



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

INSPECTION REPORT

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Governor

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Partial: XXX Complete: Exploration:

Inspection Date & Time: 6/10/96 / 5:40a.m.-6:15p.m.

Date of Last Inspection: 5/22/96

Mine Name: Convulsion Canyon County: Sevier Permit Number: ACT/041/002

Permittee and/or Operator's Name: Southern Utah Fuel Company

Business Address: P. O. Box P, Salina, Utah 84654

Type of Mining Activity: Underground XXX Surface Prep. Plant Other

Company Official(s): Keith Zobell, Barry Barnum

State Officials(s): Peter Hess Federal Official(s):

Weather Conditions: Hot, 80's, Cumulo Nimbus Clouds, scattered rain

Existing Acreage: Permitted- 17301 Disturbed- 67.8 Regraded- 0.5 Seeded- 0.5 Bonded- 0.5

Increased/Decreased: Permitted- Disturbed- Regraded- Seeded- Bonded-

Status: Exploration/ XXX Active/ Inactive/ Temporary Cessation/ Bond Forfeiture

Reclamation (Phase I/ Phase II/ Final Bond Release/ Liability Year)

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

Instructions

- Substantiate the elements on this inspection by checking the appropriate performance standard.
 - For complete inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check N/A.
 - For partial inspections check only the elements evaluated.
- Document any noncompliance situation by referencing the NOV issued at the appropriate performance standard listed below.
- Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
- Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments.

	EVALUATED	N/A	COMMENTS	NOV/ENF
1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. SIGNS AND MARKERS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. NONCOAL WASTE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4th Quarter-April, May, June)_____ (date)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. AIR QUALITY PERMIT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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INSPECTION REPORT
(Continuation sheet)

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(Comments are Numbered to Correspond with Topics Listed Above)

4d. HYDROLOGIC BALANCE: WATER MONITORING

The purpose of this inspection was to learn some of the locations of the water monitoring sample points and to observe the technique used by Mr. Zobell and Mr. Barnum in the collection of these samples.

The following spring/stream sample locations were visited this day.

- 1) 046, Quitchupah Creek, south fork immediately south of mine site spring collection field.
- 2) 047A, stream sample from drainage directly below mine site sediment pond.
- 3) 041, south fork of Quitchupah Creek.
- 4) 042, North Fork of Quitchupah Creek, (drainage which transports Quitchupah Portals mine water discharge toward Christensen Wash and Ivy Creek).
- 5) GW-21, Dead Rat Spring, located near the top of Link Canyon.
- 6) GW-13, Doug Fir Spring, located north of Big Ridge and west of Box Canyon.
- 7) SUFCO-089, spring at the head of Box Canyon.
- 8) SUFCO-090, stream sample in Box Canyon just inside permit boundary.

The following well monitoring sites were also visited.

- 9) 89-16-1, water depth at 902.9 feet.
- 10) 89-21-1, dry, has been mined into, is sucking air.
- 11) 89-20-2, dry.
- 12) 89-20-1, water depth at 147.9 feet.

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Mr. Zobell informed me that samples are not taken from any of the wells for analytical purposes.

The following field measurements were taken for samples listed above as 1-8.

- a) flow
- b) temperature
- c) conductivity
- d) pH
- e) turbidity

The samples are also field filtered for dissolved metals.

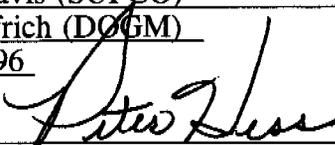
14. **SUBSIDENCE CONTROL**

The Box Pond reservoir and the drainage which supplies it, were observed today during the visit to well 89-21-1. The supplying drainage has been subsided by undermining, but it is not known exactly how much. This pond lies in a very broad shallow basin NW of the Wildcat Knolls area. The subsidence is evident because a marshy area has been formed upstream of the Pond. There is sufficient flow through to keep water in the Box Pond as water was observed there today. SUFCO must submit a mitigation plan for this Pond as part of the remedial actions necessary to abate several concerns that the USFS has in this area.

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas, and Mining.

Copy of this Report:

Mailed to: Mike Davis (SUFCO) Marcia Petta (OSM)
Given to: Joe Helfrich (DOGGM) Filed to: Price Field Office
Date: June 11, 1996

Inspector's Signature:  #46
Peter Hess