

0017



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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DIVISION OF OIL GAS & MINING
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INSPECTION REPORT

Permit No. ACT/015/007 Inspection Date: March 10, 1992
 Permittee and/or Operators Name: Hidden Valley Coal Company
 Bus. Address: 1801 University Dr. City: Phoenix State: AZ Zip: 85034
 Mine Name: Hidden Valley County: Emery State: Utah
 Type of Mining Activity: Underground Surface Other
 Company Officials: Joe Jarvis (JBR) State Officials: Malencik & Munson
 Time of Inspection: 10:30 a.m. - 2:00 p.m. Partial Complete:
 Acreage: Permitted 950 Disturbed 7 Regraded 7
 Seeded 7 Bonded 7 Date of Last Inspection: February 5, 1992
 Weather Conditions: Clear/Cool - Temp 60° Enforcement Action: None
2 Violations Still Outstanding: N91-26-8-2, N92-25-1-1

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	YES	NO	N/A	NOTES
1. <u>PERMITS</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. <u>SIGNS AND MARKERS</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. <u>TOPSOIL</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. <u>HYDROLOGIC BALANCE:</u>				
a. <u>STREAM CHANNEL DIVERSIONS</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. <u>DIVERSIONS</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. <u>SEDIMENT PONDS AND IMPOUNDMENTS</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. <u>OTHER SEDIMENT CONTROL MEASURES</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. <u>SURFACE AND GROUNDWATER MONITORING</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. <u>EFFLUENT LIMITATIONS</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. <u>EXPLOSIVES</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. <u>DISPOSAL OF DEVELOPMENT WASTE AND SPOIL</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. <u>COAL PROCESSING WASTE</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. <u>NONCOAL WASTE</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. <u>PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. <u>SLIDES AND OTHER DAMAGE</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. <u>CONTEMPORANEOUS RECLAMATION</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. <u>BACKFILLING AND GRADING</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. <u>REVEGETATION</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14. <u>SUBSIDENCE CONTROL</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. <u>CESSATION OF OPERATIONS</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. <u>ROADS</u>				
a. <u>CONSTRUCTION</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. <u>DRAINAGE CONTROLS</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
c. <u>SURFACING</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. <u>MAINTENANCE</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. <u>OTHER TRANSPORTATION FACILITIES</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. <u>SUPPORT FACILITIES</u>				
<u>UTILITY INSTALLATIONS</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. <u>GULLY AND ENCROACHMENT MEASURES</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Permit No. ACT/O15/007 Inspection Date March 10, 1992

(Comments are Numbered to Correspond with Topics Listed Above)

GENERAL COMMENTS - The purpose of the instant inspection was two-fold:

- (1) To perform the March 1992 partial inspection of the Hidden Valley Mine and
- (2) To gather explanatory information in a format that could be more easily presented and understood by the board at a hearing now scheduled for April 22, 1992. The information consisted of additional measurements and 35 mm slides of the gully erosion and the unauthorized encroachment on Ivie Creek. This approach was discussed with Mr. Edmonson.

SIGNS AND MARKERS - Perimeter and stream buffer zone markers have not been changed to the boundaries of the disturbed area as discussed in the two outstanding violations mentioned on Page 1. The abatement action is held in abeyance pending the board hearing. The stay has been approved by the Director (DOGM).

REVEGETATION - Some disturbed areas (road upslope and downslope) have not been seeded. Abatement is being held in abeyance for reasons cited above. Also, encroachment areas adjacent to Ivie Creek have not been seeded. New seedlings have emerged this spring. Most were observed on the reclaimed road bed, the least on the pad area below the B seam. The seedlings were predominately grass seedlings. Last year halogeton plants were abundant and observed on the road bed appearing to be most abundant in the unprotected area outside of the fenced area.

ROAD DRAINAGE - The rill erosion on the road upslope was not upheld by the Director; however, she encouraged the permittee to consider taking some remedial measures. The gully erosion on the downslope was upheld and now is pending a hearing and decision by the Board of Oil, Gas and Mining. No abatement work has been done, nor has a plan been submitted to abate the violation.

OTHER - Several rills were observed on the S.E. slope adjacent to the matted A seam. The rill depth varied between 4 and 8 inches. Runoff from the upslope ridge was concentrating and being diverted by nature over the outslope. The runoff (disturbed) could be routed with Division approval into the undisturbed drainage contiguous to the ridge area. This is an area that needs to be observed by the permittee and the Division before it degenerates to a compliance problem.

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Discussed the matting on the A and B seams; more particularly what may happen when the matting is no longer effective because of decomposition of the straw and netting. The key question is will enough vegetation become established to fully stabilize the steep slopes? If not, the permittee needs to consider an approach, proposal, or some means of forecasting what can be done to secure bond release. The danger is doing nothing on such an approach until the bond time frame becomes critical. This matter was discussed by Tom Munson, the undersigned and Joe Jarvis (JBR). Further, a follow-up telephone call to Mr. Edmonson by the undersigned highlighted the aforementioned discussion. The essence of the DOGM discussion was associated with vegetal establishment, erosion, and current expectations (regulations) to meet bond release requirements on such complex mine sites.

Attachment I shows the results of the measurements taken on the road gullies and the pad encroachment on Ivie Creek (stream buffer zone).

Copy of report:

Mailed to: Lee Edmonson (Hidden Valley Coal Company)Mailed to SLC for: Brian Smith (OSM) Joe Helfrich (DOGM)Filed to: PFODate: March 13, 1992Inspector's Signature and Number: 

Wm. J. Malencik #26

ATTACHMENT I

HIDDEN VALLEY COAL COMPANY
ACT/015/007

I. NOTICE OF VIOLATION

A. N91-26-8-2, 1 of 2, 11/22/91

**R614-301-742.312.1 FAILURE TO MAINTAIN DIVERSIONS TO BE STABLE.
**R614-301-742.113 FAILURE TO MINIMIZE EROSION TO EXTENT POSSIBLE.
**ABATEMENT: SUBMIT PLANS TO STABILIZE DIVERSIONS AND
MINIMIZE EROSION.

B. N92-25-1-1, 1/21/92

**R645-301-731.610 DISTURBING LAND WITHIN 100 FEET OF IVIE CREEK
WITHOUT AUTHORIZATION FROM THE DIVISION.
**ABATEMENT: COMPLY WITH R645-301-731.611 AND 731.620.
SUBMIT AMENDED PAP TO DEMONSTRATE COMPLIANCE.

II. EROSED GULLIES AT HIDDEN VALLEY COAL COMPANY ADDITIONAL EXPLANATORY
INFORMATION

**ADDITIONAL
MEASUREMENTS:

3 EROSION GULLIES CITED IN THE VIOLATION DATED
NOVEMBER 22, 1991 AND MEASUREMENTS OF 2 OTHER GULLIES
THAT WERE ORIGINALLY OBSERVED AND NOT CITED IN THE
VIOLATION.

**DATE: 3/10/92

**MEASUREMENTS AND
PHOTOS TAKEN BY:

TOM MUNSON AND BILL MALENCIK IN THE PRESENCE OF
JOE JARVIS

**EQUIPMENT:

100' STEEL TAPE MEASURE, 24' TAPE MEASURE AND 35MM
CAMERA WITH COLOR SLIDE FILM

**WHERE:

GULLY EROSION ON THE ROAD OUTSLOPE, 4 BELOW GATE AND 1
ABOVE GATE AND THE DISTURBED ENCROACHMENT ON IVIE
CREEK (STREAM BUFFER ZONE)

MEASUREMENTS BELOW
TAKEN ON 3/10/92

ORIGINAL MEASUREMENTS
TAKEN ON 11/19/91

GULLY A				TOTAL LENGTH - 19 FEET....CITED AS A VIOLATION	
CROSS SECTION				GULLY #1	
STATION	DEPTH	WIDTH	REMARKS	ORIGINAL MEASUREMENTS	
@3'	22"	44"	INSTABILITY ON BOTH BANKS.	DEPTH:	26"
@6'	36"	60"	TENSION CRACKS.	WIDTH:	58"
@13'	24"	24"	LOOSE SOIL IN THE BOTTOM OF THE GULLY. SOME RIP RAP AT THE HEADCUT.		

GULLY B				TOTAL LENGTH - 51 FEET....CITED AS A VIOLATION	
CROSS SECTION				GULLY #2	
STATION	DEPTH	WIDTH	REMARKS	ORIGINAL MEASUREMENTS	
@46'	60"	7'	SLOPE ESTIMATE 6:1	DEPTH:	57"
@38'	16"	4'	ALL RIVER ROCK RIP RAP	WIDTH:	82"
@30'	24"	4'	WASHED OUT OF THE		
@17'	16"	7'	ERODED GULLY.		

GULLY C				TOTAL LENGTH - 53 FEET....NOT CITED AS A VIOLATION	
CROSS SECTION				OBSERVED AND NOT MEASURED	
STATION	DEPTH	WIDTH	REMARKS		
@49'	42"	10'			
@41'	36"	14'	ISLAND 3' WIDE GULLY SPLITS		
@30'	36"	15'	ISLAND 6' WIDE INTO TWO		
@25'	24"	12'	ISLAND 5' WIDE WATERCOURSES		
@20'	12"	14'			

GULLY D				TOTAL LENGTH - 53 FEET....CITED AS A VIOLATION	
CROSS SECTION				GULLY #3	
STATION	DEPTH	WIDTH	REMARKS	ORIGINAL MEASUREMENTS	
@47'	52"	8'	TENSION CRACKS PREPARATORY	DEPTH:	54"
@33'	48"	9'	TO BANK FAILURE.	WIDTH:	79"
@20'	20"	6'	RIVER ROCK RIP RAP REMOVED		
@9'	24"	12'	BY RUNOFF.		

GULLY E				TOTAL LENGTH - 83 FEET....NOT CITED AS A VIOLATION	
CROSS SECTION				OBSERVED AND NOT MEASURED	
STATION	DEPTH	WIDTH	REMARKS		
@70'	36"	8'			
@62'	38"	13'			
@45'	34"	14'			
@10'	9"	10'			

DISTURBED ENCROACHMENT ON IVIE CREEK

<u>STREAM</u> <u>SEAM</u> <u>ENCROACHMENT</u>	<u>TOP</u> <u>WIDTH</u>	<u>SLOPE</u> <u>MEASUREMENT</u>	<u>REMARKS</u>
A	255'	65'	ROCK AT THE BOTTOM. SOME SUITABLE AREAS FOR SEEDING.
B	132'	33'	ALL ROCK. NO AREAS SUITABLE FOR SEEDING.