

## MEMORANDUM

TO: Steve Frost, Coal Geologist, NMBMMR

FROM: H. B. Nickelson, Mining Geologist, Consultant, NMBMMR

SUBJECT: Reclamation evaluation for OSM, Gallup Field, Gallup West,  
Defiance No. 2 Mine, Defiance No. 3 Mine, and Defiance No. 6  
Mine, (Carbon City Mine)

\* Defiance No. 2 Mine 5000' NL, 1600' EL, 16-15-19, Location 37

Defiance No. 3 Mine 300' NL, 1700' EL, 21-15-19, Location 36

\* Defiance No. 6 Mine 1200' NL, 1100' EL, 21-15-19, Location 38

These three Defiance mines are interconnected and therefore are covered jointly by this report.

The Defiance No. 2 Mine was operated by the Defiance Coal Company. The date of opening is not known, but it was reported that the mine closed and was dismantled soon after World War II because of leasing difficulties. It was also reported that the pillars were not removed from the mine. Production from this mine was probably included with production reported from the Defiance No. 1 Mine. The coal was probably trammed to the Defiance No. 1 tipple.

\* The mine was opened by two adits. The air course, which bears S. 40° E., is open for about 50', blocked only partly by a wooden door which is still hung on the portal timber. It should be sealed. The main adit, which is located about 300' south and which bears S. 10° E., is sealed.

Photos taken at the mine site are as follows:

\* G-16-4 A view of the air course, which bears S. 40° E. The adit is open for about 50'. A door partially blocks the opening. The adit should be sealed.

G-16-5 Approximately 300' to the south the main adit, which is sealed, is shown in this photo. The adit bears about S. 10° E.

The Defiance No. 3 Mine, which is about 500' SW of the Defiance No. 2 Mine, was operated by the Defiance Coal Company. It appears to

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be on a higher bed than the Defiance No. 2 Mine. There is practically no information regarding the development of the mine in the files.

One of the adits bears N. 64° E. and is practically closed except for a varmint-size opening. The other adit was made a part of a bulldozer trench, which bears S. 20° E. The coal bed is exposed in the trench.

Photos taken at the site are as follows:

G-16-2 This is a view of the dozer trench that was dug through one of the mine openings. Coal is exposed in the trench but the adit is sealed. The photo was taken looking S. 20° E.

G-16-3 A view of the other adit, which bears N. 64° E. A varmint-size opening is present at the top of the portal.

Reclamation is not needed. The coal is exposed in the trench, but the lands are leased by Carbon Coal Company, which is an actively mining company and which would put out a fire if it should start.

The Defiance No. 6 (or Carbon City) Mine was probably opened by the Defiance Coal Company. In 1948 Dogaberto Ramirez and Jesus Ramirez operated the Defiance No. 6 and Defiance No. 2 Mines through the No. 6 adits. They ceased operations in 1951. They called the mine Carbon City Mine and had from three to eight men working for them.

The mine was developed through two adits, both bearing N. 15° E., 50' apart. One adit is partly open.

Photos taken at the site are as follows:

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G-16-6 View of slope bearing N. 15° E. The slope is open at the range pole. The opening is possibly not dangerous in itself, but it probably should be backfilled to avoid any access as there is habitation within 300 yards.

G-16-7 View of the second opening, with the same bearing, 50' left of the opening at G-16-6. The adit is sealed.

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G-16-8 A view of the dumps, looking S. 50° W. Note the foundations on the left. These are the remains of the miners' huts.

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The adit at the Defiance No. 2 Mine and the adit at the Defiance No. 6 Mine should be backfilled. Possibly the coal bed exposed at the dozer trench at the Defiance No. 3 Mine should be covered to prevent its firing.

H. B. Nickelson



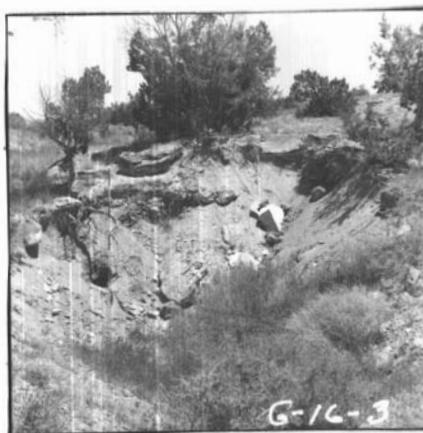
G-16-4



G-16-5



G-16-2



G-16-3



G-16-6



G-16-7



G-16-8