0076

ACT/015/025
FILE #2

STATE OF UTAH
NATURAL RESOURCES
Water Rights

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Robert L. Morgan, State Engineer

Southeastern Area • 453 S. Carbon Avenue • P.O. Box 718 • Price, UT 84501-0718 • 801-637-1303

July 30, 1991

RECEIVED
JUL 31 1991
DIVISION OF
OIL GAS & MINING

C.W. Mining dba Co-Op Mining Company
Attn: Carl Kingston
P.O. Box 1245
Huntington, Utah 84528

Re: Monitor Well Application 91-93-01MW
Expiration Date: January 31, 1992

Dear Mr. Kingston:

Reference is made to your request to drill four monitor wells within the Bear Canyon Mine. One of the wells is to be located in Section 14, and the other three wells in Section 23, all T16S, R7E, SLB&M.

The information provided in the Underground Drilling Program report prepared by Earthfax Engineering Inc. in June of 1991, meets the State's requirements for the completion of monitor wells. Permission is hereby granted to complete the wells in accordance with the report.

1) This letter grants permission to proceed with the total operation with the understanding that 1-7/8" diameter boreholes will be drilled, and if water is encountered, completed with 1" pvc casing. The bottom 20 feet of each hole will contain a #10 slot screen, and the top 20-30 feet of the bore hole will be cemented using Neat Cement. No more water is to be diverted than is necessary to determine the characteristics of the aquifer as required by the Division of Oil, Gas & Mining. Reports of your findings and volumes of water withdrawn must be submitted for each of the wells when your testing is completed.

2) Following the completion of drilling and testing, the wells must be either permanently or temporarily abandoned, as required by Section 12 of the State of Utah Administrative Rules for Well Drillers, adopted July 15, 1987.

3) The drilling contractor must be licensed in the State of Utah, and have a current license as required by the Utah State Engineer. Before starting, he must file with this Division a Notice of Intent to Drill Card. Within thirty days of completion or abandonment of the wells, the licensed driller must submit a Driller's Report, as specified under Section 4.3 of the Administrative Rules. Such report is to become part of the files in this Division pertaining to this project.

4) The Earthfax report indicates that water will be used in the drilling process. This water must be of potable quality, and additives used in the drilling process or other contaminants from the drilling equipment or the mine work in the area must not be allowed to enter the borehole. Each of the completed monitor wells must be finished with a screw on water tight cap to prevent water or other contaminants from entering the completed wells.

This is your authorization to have the licensed driller proceed with your monitor well project. Note that the expiration date of this permit is January 31, 1992.

Sincerely,

Mark P. Page

Mark P. Page, Price Area Engineer
for Robert L. Morgan, P.E.,
State Engineer

cc: Jerry Bronicel - Division of Water Rights
Tom Munson - Division of Oil, Gas & Mining
Kimly Mangum - Mangum Engineering Consultants

RLM/MPP/mjk

DIVISION OF WATER RIGHTS
REQUEST FOR MONITOR WELL CONSTRUCTION

RECEIVED
APR 26 1991
WATER RIGHTS
SALT LAKE

APPLICANTS NAME C. W. Mining, dba Co-op Mining Company

APPLICANTS ADDRESS P. O. Box 1245, Huntington, Utah 84528

INDIVIDUAL CONTACT Carl Kingston (Name) 400-1158 (Phone)

CURRENT PROPERTY OWNER C.O.P. Coal Development Co.

PROPOSED NUMBER OF WELLS 4 DIAMETERS 1-7/8" APPROX. DEPTHS 300'

TYPE OF COMPLETIONS (Casing, intake, gravel pack, grout, etc.) top ten feet will be cased in steel
1 INCH PVC CASING, 20 ft. #10 SCREEN IN BOTTOM OF BORE HOLES, 20-30 ft OF NEAT CEMENT GROUT SURFACE SEAL.

PROJECT ENGINEER/MANAGER Ken Defa (Name)
P. O. Box 91, Huntington, Utah (Address) 381-5414 (Phone)

GENERAL LOCATION DESCRIPTION from underground coal mine, Bear Canyon COUNTY Emery

WELLS IN CONJUNCTION WITH (LEAKING) UNDERGROUND STORAGE TANKS ____ Yes X No

NAME OF LICENSED DRILLER John L. Zimerman LICENSE # 55

PROPOSED CONSTRUCTION DATE at once upon approval ANTICIPATED COMPLETION DATE two weeks after commencement

LOCATION OF WELLS:

1. (N)/S 2660 FT. & E/(W) 2422 FT. FRM NW COR. or __1/4__1/4 of SEC. 25 T 16 N/(S) R 7 (E)/W SLBM/USM
2. (N)/S 2114 FT. & E/(W) 808 FT. FRM NW COR. or __1/4__1/4 of SEC. 25 T 16 N/(S) R 7 (E)/W SLBM/USM
3. (N)/S 5278 FT. & E/(W) 2452 FT. FRM NW COR. or __1/4__1/4 of SEC. 25 T 16 N/(S) R 7 (E)/W SLBM/USM
4. (N)/S 5689 FT. & E/(W) 372 FT. FRM NW COR. or __1/4__1/4 of SEC. 25 T 16 N/(S) R 7 (E)/W SLBM/USM
5. N/S____FT. & E/W____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM
6. N/S____FT. & E/W____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM
7. N/S____FT. & E/W____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM
8. N/S____FT. & E/W____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM
9. N/S____FT. & E/W____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM
10. N/S____FT. & E/W____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM

(continued on reverse side)

Comments or explanation monitor wells will be drilled from floor of underground coal mine to monitor water level below mined area

For office use only

DATE OF REQUEST 4-26-91 APP/REJ DATE BY July 30, 1991 MP
AREA OFFICE SOUTHEASTERN - PRICE AUTHORIZATION # 91-93-01 MW

11.N/S_____FT. & E/W_____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM

12.N/S_____FT. & E/W_____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM

13.N/S_____FT. & E/W_____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM

14.N/S_____FT. & E/W_____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/1SM

15.N/S_____FT. & E/W_____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM

16.N/S_____FT. & E/W_____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM

17.N/S_____FT. & E/W_____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM

18.N/S_____FT. & E/W_____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM

19.N/S_____FT. & E/W_____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM

20.N/S_____FT. & E/W_____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM

21.N/S_____FT. & E/W_____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM

22.N/S_____FT. & E/W_____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM

23.N/S_____FT. & E/W_____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM

24.N/S_____FT. & E/W_____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM

25.N/S_____FT. & E/W_____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM

26.N/S_____FT. & E/W_____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM

27.N/S_____FT. & E/W_____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM

28.N/S_____FT. & E/W_____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM

29.N/S_____FT. & E/W_____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM

30.N/S_____FT. & E/W_____FT. FRM __COR. or __1/4__1/4 of SEC.___T___N/S R__E/W SLBM/USM

Earl Wright
Signature of Applicant

4/26/91
Date