

0008



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Copy to Tom, Prax
File ac 1/007/006 #2
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

November 8, 1991

RECEIVED

NOV 12 1991

DIVISION OF
OIL GAS & MINING

Cyprus Plateau Mining Corporation
Attn: Ben Grimes
P.O. Drawer PMC
Price, Utah 84501

Re: Monitor Well Application 91-91-09MW
Expiration Date: November 30, 1992

Dear Mr. Grimes:

Reference is made to your request to drill up to six monitor wells within the Star Point Coal Mine. The wells are to be located in the SW4 and SE4 Section 14, NE4, NW4, and SE4 Section 23, both T15S, R7E, SLB&M.

The information provided in your correspondence dated October 29, 1991 meets the State's requirements for the completion of monitor wells. Permission is hereby granted to complete the wells according to your request, with the following conditions:

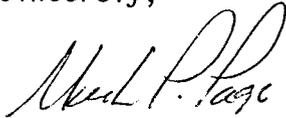
- 1) This letter grants permission to proceed with the construction with the understanding that 1-1/4-inch diameter bore holes will be drilled and completed with schedule 40 pvc casing. Screening will be with slotted pvc pipe. The screened sections will be packed with sand or gravel. The annulus of the bore hole will be cemented using Neat Cement. No more water is to be diverted from the wells than is necessary to make them operational.
- 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.

Cyprus Plateau Mining Corporation
Monitor Well Application #91-91-09MW
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4) If water is to be used in the drilling operation, it 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 bore hole. Each of the completed monitor wells must be finished with a water tight cap to prevent 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 November 30, 1992. If additional work is still anticipated after this date, a written request for an extension should be forwarded to this office. A statement and associated data from the prior year's activities should accompany the request.

Sincerely,



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

cc: Jerry Bronicel - Division of Water Rights
Daron Haddock - Division of Oil, Gas & Mining

RLM/MPP/mjk

DIVISION OF WATER RIGHTS
REQUEST FOR MONITOR WELL CONSTRUCTION

OCT 30 1991

APPLICANTS NAME CYPRUS PLATEAU MINING CORP.
APPLICANTS ADDRESS P.O. DRAWER PMC PRICE, UTAH WATER RIGHTS
BASE FEE
INDIVIDUAL CONTACT BEN GRIMES 637-2875 EXT 263
Name Phone

CURRENT PROPERTY OWNER CYPRUS PLATEAU MINING CORP.

PROPOSED NUMBER OF WELLS _____ DIAMETERS 1 1/4" APPROX. DEPTHS 200 FT.

TYPE OF COMPLETIONS GROUND WATER MONITORING WELLS
(Casing, intake, PVC CASING
gravel pack, grout, GRAVEL PACK SURFACE SEAL 20FT. MINIMUM
etc.)

PROJECT ENGINEER/MANAGER BEN GRIMES CYPRUS PLATEAU MINING CORP.
Name
P.O. DRAWER PMC PRICE, UT 84501 637-2875 EXT 263
Address Phone

GENERAL LOCATION DESCRIPTION INSIDE COAL MINE COUNTY EMERY

WELLS IN CONJUNCTION WITH (LEAKING) UNDERGROUND STORAGE TANKS _____ X

NAME OF LICENSED DRILLER ROLLINS, BROWN & GUNNEL (BRAD PRICE) Yes No
LICENSE # 608

PROPOSED CONSTRUCTION DATE SEE COVER LETTER ANTICIPATED COMPLETION DATE _____

LOCATION OF WELLS:

1. N/S _____ FT. & E/W _____ FT. FRM _____ COR. or SE 1/4 1/4 of SEC. 14 T 15 N/S R 7 E/W SLEM/USM
 2. N/S _____ FT. & E/W _____ FT. FRM _____ COR. or SW 1/4 1/4 of SEC. 14 T 15 N/S R 7 E/W SLEM/USM
 3. N/S _____ FT. & E/W _____ FT. FRM _____ COR. or SE 1/4 1/4 of SEC. 14 T 15 N/S R 7 E/W SLEM/USM
 4. N/S _____ FT. & E/W _____ FT. FRM _____ COR. or NE 1/4 1/4 of SEC. 23 T 15 N/S R 7 E/W SLEM/USM
 5. N/S _____ FT. & E/W _____ FT. FRM _____ COR. or NW 1/4 1/4 of SEC. 23 T 15 N/S R 7 E/W SLEM/USM
 6. N/S _____ FT. & E/W _____ FT. FRM _____ COR. or SE 1/4 1/4 of SEC. 23 T 15 N/S R 7 E/W SLEM/USM
 7. N/S _____ FT. & E/W _____ FT. FRM _____ COR. or _____ 1/4 _____ 1/4 of SEC. _____ T _____ N/S R _____ E/W SLEM/USM
 8. N/S _____ FT. & E/W _____ FT. FRM _____ COR. or _____ 1/4 _____ 1/4 of SEC. _____ T _____ N/S R _____ E/W SLEM/USM
 9. N/S _____ FT. & E/W _____ FT. FRM _____ COR. or _____ 1/4 _____ 1/4 of SEC. _____ T _____ N/S R _____ E/W SLEM/USM
 10. N/S _____ FT. & E/W _____ FT. FRM _____ COR. or _____ 1/4 _____ 1/4 of SEC. _____ T _____ N/S R _____ E/W SLEM/USM
- (continued on reverse side)

Comments or explanation SEE COVER LETTER AND MAP

DATE OF REQUEST OCTOBER 30, 1991 For office use only
AREA OFFICE SOUTHEASTERN - PRICE (APP) REJ DATE BY NOVEMBER 8, 1991
AUTHORIZATION # 91-91-09 MW



Cyprus Plateau Mining Corporation
P.O. Drawer PMC
Price, Utah 84501
(801) 637-2875

RECEIVED

October 29, 1991

OCT 30 1991

WATER RIGHTS
PRICE

Mr. Mark Page
Utah State Engineer
Division of Water Rights
P.O. Box 718
Price, Utah 84501

Dear Mr. Page,

RE: GROUND WATER MONITORING WELL APPLICATION

Cyprus Plateau Mining Corporation is hereby submitting an application to install up to six ground water monitoring wells at its Star Point Mine. The wells will be located in the mine, beneath U.S. Forest property. The wells will be constructed over the next 4 years as mining progresses to the south.

Due to the nature of coal mining, the exact locations of the wells, and the final number of wells cannot be determined until drilling occurs. The locations must be flexible to allow positioning in the best locations to identify the ground water source, and for location in protected areas. The general locations of the wells are shown on the enclosed map.

The wells will be completed according to accepted methods, and the booklet "Administrative Rules for Water Well Drillers."

The depths of the wells will vary according to the water depth, which is expected to be less than 200 feet below the coal seam.

PVC well casing (screw couplings) will be used with slotted well screen near the bottom of the wells. Gravel pack, or sand pack completion will be used at the screens. Grout will be placed from above the screen to the top of the casing to prevent intermingling of waters, and infiltration of mine water into the ground water. The casing will be extended 18 inches above the floor of the mine.

Water Rights
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Upon abandonment, the wells will be filled from top to bottom with grout.

After the wells have been constructed, final locations will be provided to your office.

If you have questions, or need more information, please contact me at 637-2875 Extension 263.

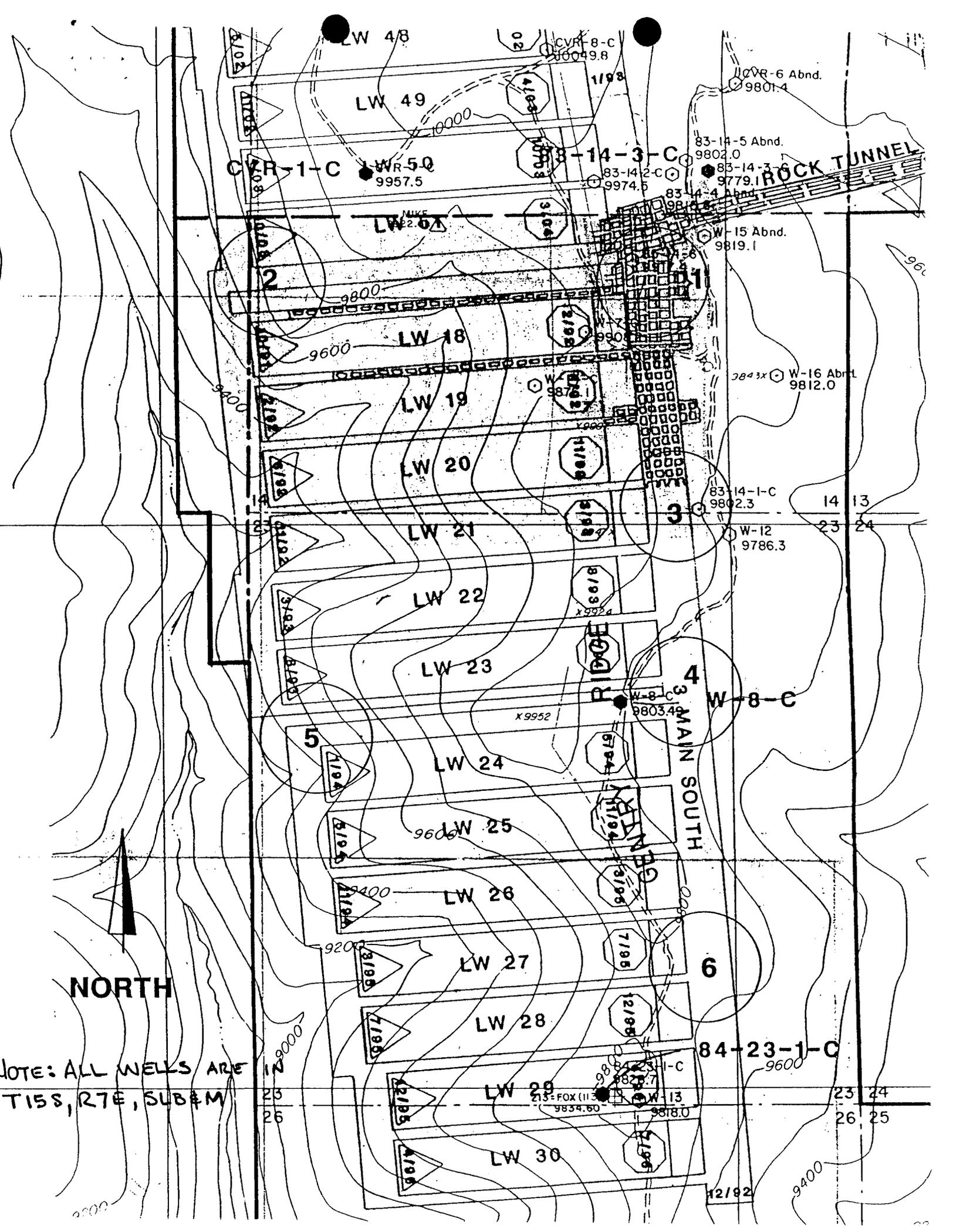
Respectfully,



Ben Grimes
Sr, Environmental Engineer

Enclosures

File: ENV 2-5-2-16-5-7
Chron: BG911001



NORTH

NOTE: ALL WELLS ARE T15S, R7E, SUB & M

84-23-1-C