



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

*Copy From*

December 11, 1991

Mr. Lowell Braxton  
 Division of Oil, Gas & Mining  
 355 West North Temple  
 3 Triad Center, Suite 350  
 Salt Lake City, Utah 84180-1203

RECEIVED

DEC 13 1991

DIVISION OF  
 OIL GAS & MINING

Dear Mr. Braxton,

**Re: Division Order ACT/007/006-DO-91C - Request for Extension**

The referenced order has a response date of February 1, 1992. Work required to address the issues involved are extensive; it will be impossible for us to respond by February 1, therefore, we are requesting an extension until April 17, 1992.

We included all of the information available in the PHC in the recent permit renewal application. Additional drilling, monitoring well installation and well testing must be accomplished before we can revise the PHC.

The following plan of action is underway to address the issues and provide information to revise the PHC:

- 1- A well driller has been contracted to install two in-mine ground water monitoring wells in the locations shown on the enclosed Map A. Locations 1 and 2 will be the monitoring well sites. A permit has been received from the Utah Water Rights office for these sites (copy enclosed).

**Schedule-** Driller will move rig into position and set up on December 18 - 19, 1991.

Drilling will begin on January 2, 1992. Drilling will not be started before because of a fear that the hole may have to be left open over the holidays. An open hole for this length of time may be lost due to hole caving.

Both wells should be installed and operational by January 22, 1992.

Ben Grimes  
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- 2- Well testing will be conducted to determine water levels and strata transmissivity.

Well Number 1 will be used to conduct transmissivity tests.

**Schedule-** Testing will continue until approximately February 28, 1992.

- 3- Alternatives for water handling, and other PHC considerations will be considered based on the results of well testing.

**Schedule-** Alternatives and considerations determinations will be conducted until March 20, 1992.

- 4- PHC revision will be conducted based on the preceding work.

**Schedule-** Final PHC revision and submission to UDOGM by April 17, 1992.

A detail of the monitoring wells is enclosed.

Other concurrent work items will consist of:

Sampling in-mine water sources at various locations to quantify differences in quality, with the intent to correlate sources in the Gentry Ridge area with other water sources in the general mine area.

Quantifying in-mine flows in the Gentry Ridge area and revising the monitoring plan to include new monitoring sites.

Pursuing other water handling options such as injecting intercepted water back into the strata within the same hydrologic basin. Preliminary discussions have been held with the Utah Division of Water Quality on the permitting process.

Respectfully,



Ben Grimes  
Sr. Environmental Engineer

Enclosures

File: ENV 4-1-6  
Chrono: BG911203



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

November 8, 1991

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:

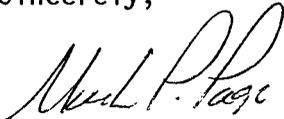
- 1) This letter grants permission to proceed with the construction with the understanding that 1-1/4-inch diameter bore holes will be drilled and completed with schedule 40 pvc casing. Screening will be with slotted pvc pipe. The screened sections will be packed with sand or gravel. The annulus of the 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.

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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. Page, 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

RECEIVED

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 BADPRICE  
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 (BAD PRICE) Yes No  
LICENSE # 608

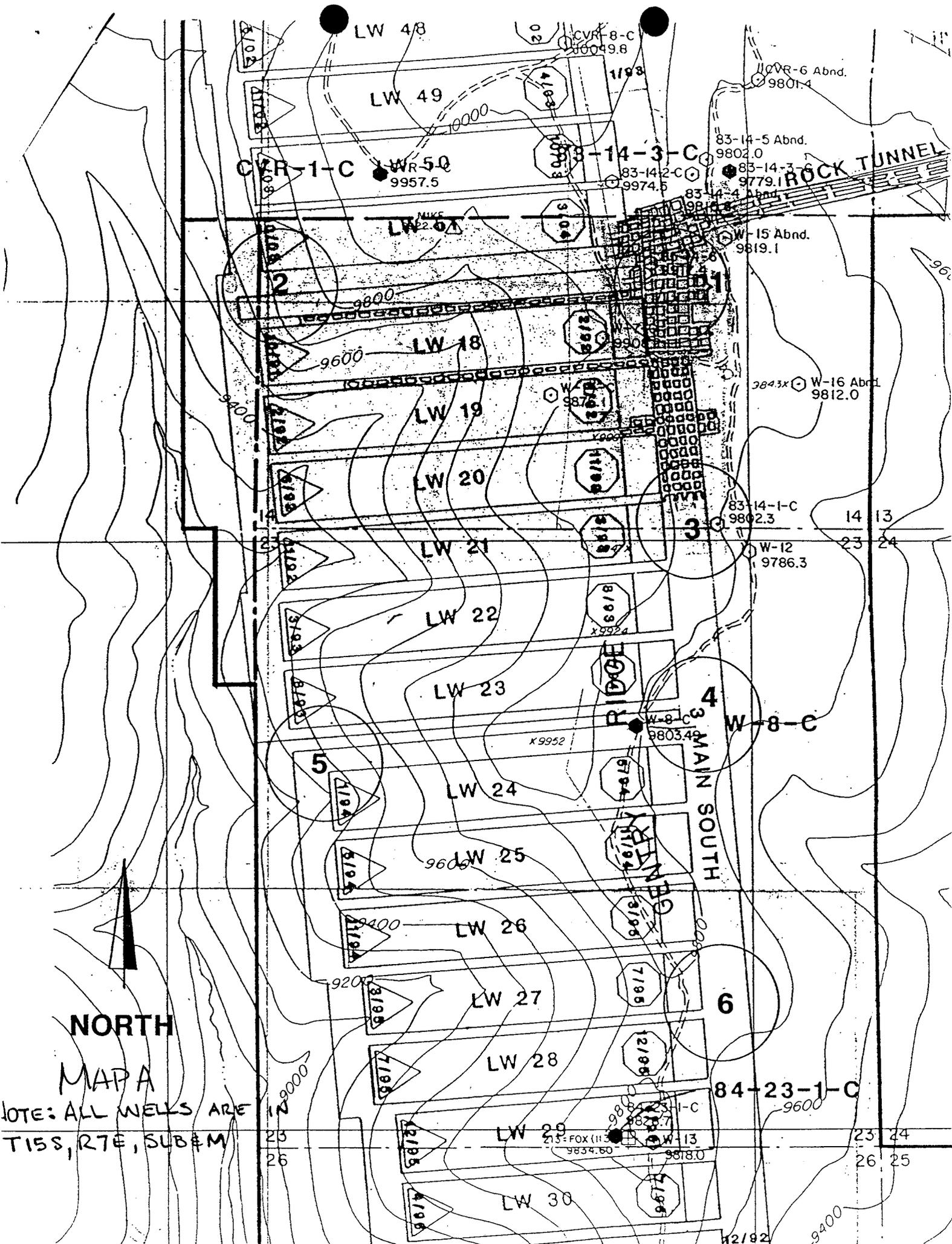
PROPOSED CONSTRUCTION DATE SEE COVER LETTER ANTICIPATED COMPLETION DATE \_\_\_\_\_

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 7E 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 7E 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 7E 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 7E 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 7E 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 7E 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



**NORTH**

**MAP A**

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

23	23	24
26	26	25

12/82

9400

# In-Mine Water Monitoring Well

Typical

Not To Scale

