Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

December 20, 1991

Mr. Neil Simmons
Bureau of Land Management
San Rafael Resource Area
900 North 700 East
Price, Utah 84501

Dear Mr. Simmons:

Re: Amended Notice of Intention to Commence Small Mining Operations, John Welsh's, B & J Placer Mine Project, S/015/041, Emery County, Utah

Thank you for forwarding the amended Notice of Intention to Commence Small Mining Operations for John E. Welsh's, B & J Placer mine project, located in the NE 1/4 of the SW 1/4 of Section 29, T22S, R9E, SLBM, Emery County, Utah. Your agency's designated number for this project is U67-P91-04.

This letter is to inform you that the Division has evaluated the above mentioned Notice of Intent for completeness. The Notice does meet the requirements of Rule R613-003 of the 1988 Division of Oil, Gas and Mining Minerals Rules, and Title 40-8 et seq of the Utah Mined Land Reclamation Act of 1975.

It is understood that your office, acting as "Lead Agency" will notify the operator accordingly. Please provide us with a final copy of your completeness letter to the operator.

Thank you for your cooperation. If you receive further information or amendments for this operation, please notify us so we will be able to update our files. Please reference our designated file number S/015/041 when forwarding additional information on this project to us.

Sincerely,

Holland Shepherd
Senior Reclamation Specialist

jb
cc: Roger L. Bon, UGMS
Philip Palmer, Operator
Minerals File

an equal opportunity employer

RECEIVED
DEC 1 6 1991
DIVISION OF
OIL, GAS & MINING

AMENDED NOTICE OF PLAN OF OPERATIONS
SEC 29, T. 22 S., R. 9 E.
SAN RAFAEL SWELL RESOURCE AREA
EMERY COUNTY, UTAH

Change in Operational Manager: Phillip M. Palmer of 234 North 500 West, Richfield, Utah 84701 will take over as Manager of the San Rafael Gypsum Project and assume all of the environmental and reclamation responsibilities in the presently disturbed areas in the SW/4 of section 29, T. 22 S., R. 9 E.

Disturbance : The mining activity through September 30, 1991 within the project area has disturbed a total of five and one tenth (5.1) acres or less during the period October 1990 through September 1991. Approximately 40,000 tons of gypsum rock have been quarried.

Claim Owner: John E. Welsh 4780 Bonair Street Holladay, Utah 84117
801-278-6657

Placer Claim Designations:

BJ-2	BLM UMC # 212727	NE/4, SW/4 sec. 29
BJ-5	BLM UNC # 212729	NW/4, SW/4 sec. 29

Location of Activities:

Quarrying of Gypsum Rock in BJ-2 claim in NE/4, SW/4 sec. 29, T. 22S., R. 9 E. Storage of explosives on BJ-5 claim in NW/4, SW/4 sec 29.

Existing Disturbances: Unimproved Roads existed prior to the project, leaving the Moore Road in the SW/4 of sec. 29, crossing the South Salt Wash Drainage into sections 30 and 31. These roads are to abandoned wildcat oil drill hole sites. In this Notice, these earlier roads cross claim BJ-5, and are designated as prior roads on the index map scale 1 : 4,200.

Proposed Operation: Equipment consists of a Dozer,a Hydraulic Drill, a Cat Loader. Equipment will be serviced within a compact area adjacent to the gypsum-rock stockpile. All waste oils and lubricants will be remove from the site.

Explosives used in blast holes for rubbilizing the gypsum rock are stored in a secured building and vault on claim BJ-5, in the NW/4 SW/4 sec. 29, at least 1/4 mile from the quarrying operation. The building and vault are

Sufficient open space on the quarry floor will be maintained by the Operator to allow for efficient mining at the quarry bench and for activities related to the handling of the gypsum-rock.

The site will be kept orderly by periodic cleanup.

There are two small dentritic drainages that disect and drain the gypsum outcrops is claim BJ-2. Both of these drainages head near the Moore Road and drain westerly into the South Salt Wash trunk drainage. These two drainages will be blocked by straw bales and/or earth dams at the point just up stream from their entrance into the South Salt Wash truck drainage.

Any gypsum-rock fines that escape and/or bypass the drainage barriers on claim BJ-2 will be restoring the Salt Wash Drainage to its original balance.

Reclaimed slopes will be leveled to surfaces comparable with or of less slope that the original surface. This activity will replace and harrow the "topsoil" in gentle contours which are receptive to reseeding.

Reseeding will be done at an appropriate time of the year to enhance germination, just before the Winter moisture or on the snowpack in early Spring. Test areas were reseeded in December 1990. Reseeding in previous years in claim BJ-9, NE/4 NE/4 sec. 30, has produced a reasonable new cover on reclaimed areas.

Environmental Effect: Gypum-rock is a non toxic material which is compatible with the surface terrane from which it is being extracted. Soluble gypsum, sediment gypsum, and air borne gypsum are natural constituents of the existing environment on the West Fank of the San Rafael Swell. Quarrying gypsum-rock will have no harmful effect on the existing environment. The reclaimed surface after quarrying will be more productive for grazing than the original lichen covered surface. Marginal grazing is the only present land use of the West Flank of the San Rafael Swell.

Gypsum-rock products are increasingly replacing wood products. There is probably no more useful and environmentally compatible naturally occurring material than gypsum.

Period of Operation: From 1990 to 2000 and beyond.

grounded. **No Tresspassing** and **Explosives** signs are erected on a metal sign post at the entrance to the storage area.

Quarry Site on claim BJ-2 in the NE/4, SW/4 sec. 29:

Stop, No Tresspassing, and **Blasting** signs are posted at the entrance to the Quarry.

Quarrying is projected to disturb two (2) to three (3) acres per year. But present quarrying activities will be confined within the exisiting quarry site of to up 5.1 acres until all of the gypsum rock resource is removed and the surface recountouring of this area is activated.

Access to the quarry is from the Emery County Moore Road. This road is permited by Emery County officials for access and haulage from the Quarry. At least 50 feet adjacent to the Moore road will not be quarried.

Mining Method is long wall cut and fill. The active quarry bench will be less than fifteen (15) feet high. The two to three feet of "topsoil" will be dozed away to the north and south and stockpiled. The upper one foot of lichen rich topsoil will be segregated so that this will be replaced last over the reclaimed surface. Back filling of the quarried out area will progress concurrently with the retreat of the mining bench.

Drilling and blasting retreats the quarry bench across the slightly dipping gypsum-rock stratigraphic layer. A mining technique of mechanically rubbelizing the gypsum rock will be tried for replacing the drilling and blasting activity.

Sized gypsum-rock is temporarily stock piled before being trucked Southeast on the Moore Road to Interstate I-70. Usage of the Moore Road is required permiting by Emery County.

Production will be a minimum of 4,000 tons per year with an estimated maximum production of 20,000 tons per year. Haulage truck trips per day will vary from one to seven loads. Employees present at the site of the quarry will vary from one to three.

Proposed Reclamation: The mined out surface at the base of the quarry will be backfilled by overburden "topsoil" from the initial stripping at least within a year of vacating the mined out area of the gypsum-rock bed.

Statement of Complaince: All Federal, State, and County Transportation, Water Quality, Air Quality, Solid Waste Disposal laws and regulations shall be complied with. I will complete all necessary reclamation of areas disturbed during the course of my operations to the standard described in 43 CFR 3809.1-3 (d) and that reasonable measures will be taken to prevent unnecessary or undue degradation of the federal lands during operations.

Signature of Operator:

Date: 12/13/91

Phillip M. Palmer
234 North 500 West
Richfield, Utah 84701

Enclosures: 1 : 4,200 Scale Map and 1 : 6,000 Scale Map.
Quarrying Activities — 10 year PLAN OF OPERATIONS

Original Copy to : San Rafael Resource Area Management
900 North 700 East
Price, Utah 84501

Copy to : Holland Shepherd, Utah Oil, Gas, and Mining Division
Salt Lake City, Utah

3809
U67-91-04
(U-067)

Copy to O,GM

December 12, 1991

Emery County Economic Development and Zoning
P.O. Box 297
Castledale, UT 84513

Dear Sirs:

Diamond K is an established business of fifteen years, which has been in the line of trucking and the sale of commodities throughout Utah, Arizona, Nevada, and California. Three years ago we dropped the trucking line and are solely in the line of sales of commodities. It is a business solely owned by Phil and Karen Palmer.

We have been selling solution grade gypsum for the past eight months, which has come from the B&J properties on the San Raphael. We have an established sales force in California consisting of five people, of whom are associated with the new innovative machines which dispense the solution grade gypsum into irrigation systems.

For the purposes of bonding and reclamation, which the previous operator did not have, we have established a savings account of $10,000, #55-304789-5, in the name of Emery County and Phillip and Karen Palmer. A copy of that savings account will be sent to you. It is at Zion's First National Bank.

We have acquired a lease agreement with the claim owner, John Welsh, for a period of ten years. Bryant Anderson has a copy of our ten year plan of operation, which has been filed and approved with the Bureau of Land Management.

The trucking company that will be contracted to move the product is D.P. Curtis Trucking, Richfield, Utah, who also now transports product for Georgia Pacific Gypsum just west of the B&J claims. Our truck traffic on the Moore Road will be considerably less than Georgia Pacific, in that we plan for the movement of 8-10 Thousand tons a year.

We also have in place a million dollar liability insurance policy.

I would like to work closely with you on any and all matters concerning this project and I'm available to meet with you to answer any further questions you might have concerning this matter. Please contact me at anytime.

Sincerely,

Phillip Palmer
Diamond K