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DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple  
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October 10, 1980

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Mr. R. F. Goudge  
Project Coordinator  
Eureka Energy Company  
P.O. Box 1506  
Price, Utah 84501

Re: Notice of Intention to  
Commence Coal Exploration  
Dugout Canyon Project  
Carbon County, Utah  
~~GEP/007/012~~  
GEP/007/002

Dear Mr. Goudge:

Thank you for your September 24, 1980 letter regarding Eureka's proposed coal exploration operations in Carbon County, Utah. The plan meets the requirements of Parts 776 and 815 of the Regulations promulgated under the 1979 Act, "Regulation of Coal Mining and Reclamation Operations", Title 40-10-1 et seq., Utah Code Annotated, 1953. The Division hereby issues approval for the exploration operations with the following stipulations:

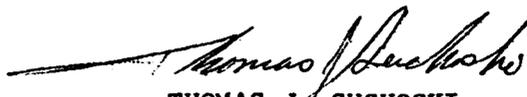
- 1- Substitute any of the following species for Bulbous Bluegrass at the same rate:

Slender Wheatgrass  
Big Bluestem  
Canada Wildrye  
Indian Ricegrass

Upon completion of the exploration operations the Division will require notification of completion and a description of the reclamation activities which have taken place for each site.

Thank you for your cooperation. If any questions should arise please call me.

Sincerely,

  
THOMAS J. SUCHOSKI  
ENGINEERING GEOLOGIST

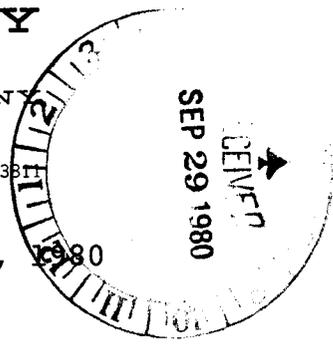
TJS/ts  
cc. OSM, Denver; Don Crane

File  
CEP/007/0

# EUREKA ENERGY COMPANY

A SUBSIDIARY OF PACIFIC GAS AND ELECTRIC COMPANY

1010 KEARNS BUILDING • 136 SOUTH MAIN STREET • SALT LAKE CITY, UTAH 84101 • (801) 359-3311



September 24, 1980

Mr. Thomas J. Suchoski  
Engineering Geologist  
Division of Oil, Gas and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

RE: Amended Exploratory  
Trenching Operation,  
Dugout Canyon Project,  
Carbon County, Utah  
~~EXP/007/012~~

Dear Mr. Suchoski:

Eureka Energy Company (EEC) submits the following amendments and additions to its letter of July 12, 1980 regarding exploratory trenching operations at the Sage Point-Dugout Canyon project.

- UMC 776.12(a)(3) Omit trenching on the Sunnyside seam. EEC is reevaluating this seam and may re-apply for trenching at a later date.
- UMC 776.12(a)(3)(i) Omit the first paragraph concerning Sunnyside seam trenching.
- UMC 776.12(a)(3)(iii) This entire section is amended as follows:

If trenching activity on the Rock Canyon seam proves that the exposed cut is indeed the best area for portal development, EEC will perform interim reclamation until actual portal development takes place as follows:

- 1) Recover any available side casted material
- 2) Place cut material back against the highwall cut sufficient to cover the exposed coal and protect that resource. Small berms will be placed at approximately 100 foot intervals along the dip of the cut to prevent rilling, to aid in water retention and to enhance revegetation. The entire area including side casted material will be reseeded with the following mix:



Great Basin Wildrye	Rate 5 lb/ac
Bulbous Bluegrass	5 lb/ac
Western Wheatgrass	3 lb/ac
Yellow Sweetclover	3 lb/ac
Big Sagebrush	1 lb/ac

Erosion control is described in 815.5(g) below.

If EEC finds that the exposed cut will not be a suitable location for future face up and portal development, EEC will pull down the colluvial material which forms the highwall, and leave the slope at approximately 45° with a 3 foot bench at the contact of the colluvium and the bedrock.

The pre-disturbance slope is approximately 30-35° to decrease the angle at which the cut slope is reclaimed will greatly increase the length of the slope disturbed above the trench cut. The material sluffed off the slope above the cut will be used to fill the cut, and any side casted material that can be recovered will also be used as fill. This should be sufficient fill to cover the coal and some of the roof rock.

The fill material will be furrowed to help control erosion and then seeded along with the exposed slope above with the following mix:

<i>Slender</i>	Great Basin Wildrye	Rate 5 lb/ac
<i>Big Bluestem</i>	Bulbous Bluegrass	5 lb/ac
<i>Big Bluestem</i>	Western Wheatgrass	3 lb/ac
<i>Canada Wildrye</i>	Yellow Sweetclover	3 lb/ac
<i>Indian Ricegrass</i>	Big Sagebrush	1 lb/ac
	Snowberry	½ lb/ac
	Serviceberry	½ lb/ac
	Mountain Mahogany	½ lb/ac

The seed mix should aid in establishing a cover to prevent erosion. Because the cut is relatively narrow and surrounded by native vegetation, natural reseeding will also take place.

Erosion control is covered in amended section 815.15(g) (see below).

If EEC decides that the trenched area is a viable area for face up and portal development but later decides to abandon the project or postpone it for greater than five years, EEC will reclaim the trenching according to the second (final) reclamation plan presented above.



UMC 815.15(4) (d)

Final reclamation will bring the cut slope back to a reasonable approximation of the original contour. Interim reclamation will cover the coal resource and provide protection from excessive erosion.

IMC 815.15(4) (e)

Steep, boulder strewn and rock ledge terrain precludes the removal of topsoil prior to trenching. Revegetation will proceed on the restored surface contour as described in 776.12(a) (3) (iii).

UMC 815.15(4) (f)

The revegetation plan is submitted under 776.12(a) (3) (iii).

UMC 815.15(4) (g)

Overland flow will be controlled to minimize erosion as follows:

- 1) Under the interim reclamation plan, small berms will be placed along the bench to catch flow and decrease rilling.
- 2) Under both plans, straw bales will be placed at the north end of the 300 ft. cut (downslope) to minimize erosion.
- 3) Under both plans, straw bales will be placed below the area where material has been side casted such as to eliminate the flow from entering the natural stream without going through the bales.
- 4) Under the final plan, furrowed fill material will aid in decreasing flow velocities and retaining water on the slope.

This additional information is submitted for your consideration and approval to conduct trenching.

Yours truly,

R. F. Goudge  
Project Coordinator

cc: Paul Anderson  
Alex Stillo  
N. K. Temnikov