

0041



[Handwritten signatures and scribbles]
 Copy Susan

FAX TRANSMITTAL MEMO

Date 8/28/01

PLEASE DELIVER TELECOPY TO: Pam Grubbaugh-Littig

LOCATION: DROGM SL2

FROM: Dennis Oakley

NUMBER OF PAGES, INCLUDING THIS PAGE: 23

COMMENTS: _____

Huntington Office:
 (801) 687-6821
 Fax (801) 687-2695
 Purchasing Fax (801) 687-9092

Deer Creek Mine:
 (801) 381-2317
 Fax (801) 381-2285

Cottonwood
 (801) 7
 Fax (801)



July 30, 2001

United States Forest Service
Manti-LaSal National Forest
599 West Price River Road
Price, Utah 84501

Subj: **Request for a Forest Service Concurrence Document Stating Post Mining Land Use has been met for the Des-Bee-Dove Permit Area, PacifiCorp, Des-Bee-Dove Mine, C/015/017, Emery County, Utah.**

Attn: Carter Reed

PacifiCorp, by and through its wholly-owned subsidiary, Energy West Mining Company ("Energy West") as mine operator, hereby requests a formal document stating that PacifiCorp has met the post mining land use criteria within the Des-Bee-Dove Mine permit area. This document was requested in a letter to the United States Forest Service (USFS) last June 29, 2000. However, the USFS needed a summarized report on hydrology and subsidence before a final land-use determination could be made.

As you are well aware, the Des-Bee-Dove mine has been idled since 1987. The portals have been permanently sealed and surface facilities removed. Most recently, approximately 111,000 tons of coal was excavated from the tippel pad transforming this area to its approximate original topography. Energy West anticipates to begin the final reclamation of the Des-Bee-Dove Mine in the fall of 2001.

Energy West is in the process of converting the current coal mining and reclamation permit to a permit solely for the purposes of reclamation. The revision of Part 1 (first step in the conversion process) will accurately describe the most current, up to date, legal and financial information.

As part of the Part 1 revision, Energy West proposes to reduce the permit area from its current size (2,760.0 acres) to an size that contains only those areas which were impacted by coal mining and reclamation activities (154.86 acres). These impacted areas are covered by the Performance Bond held by PacifiCorp. An attached drawing is included that accurately describes these areas.

In order to reduce the size of the permit area, the R645 Coal Regulations require that the area being removed meet post-mining land use criteria. Historical information (hydrology, subsidence, etc.) of the permit area is needed for the land owner (USFS) to make this determination.

Huntington Office:
(435) 687-9821
Fax (435) 687-2695
Purchasing Fax (435) 687-9092

Deer Creek Mine:
(435) 687-2317
Fax (435) 687-2285

Trail Mountain Mine:
(435) 748-2140
Fax (435) 748-5125

Therefore, included with this document is information on hydrology, subsidence, and other valuable miscellaneous information.

Energy West is confident that the area meets the required criteria according to the USFS plans and programs and to the R645-301 Coal Mining Regulations and, therefore, requests that a documented concurrence be provided to the fact. Providing this document will allow Energy West to proceed in the process of converting the current coal mining permit to a permit solely for the purposes of reclaiming the Des-Bee-Dove Mine.

If you have any question or concerns regarding this request please feel free to contact me at (435) 687-4825 or Chuck Semborski at (435) 687-4720.

Sincerely,



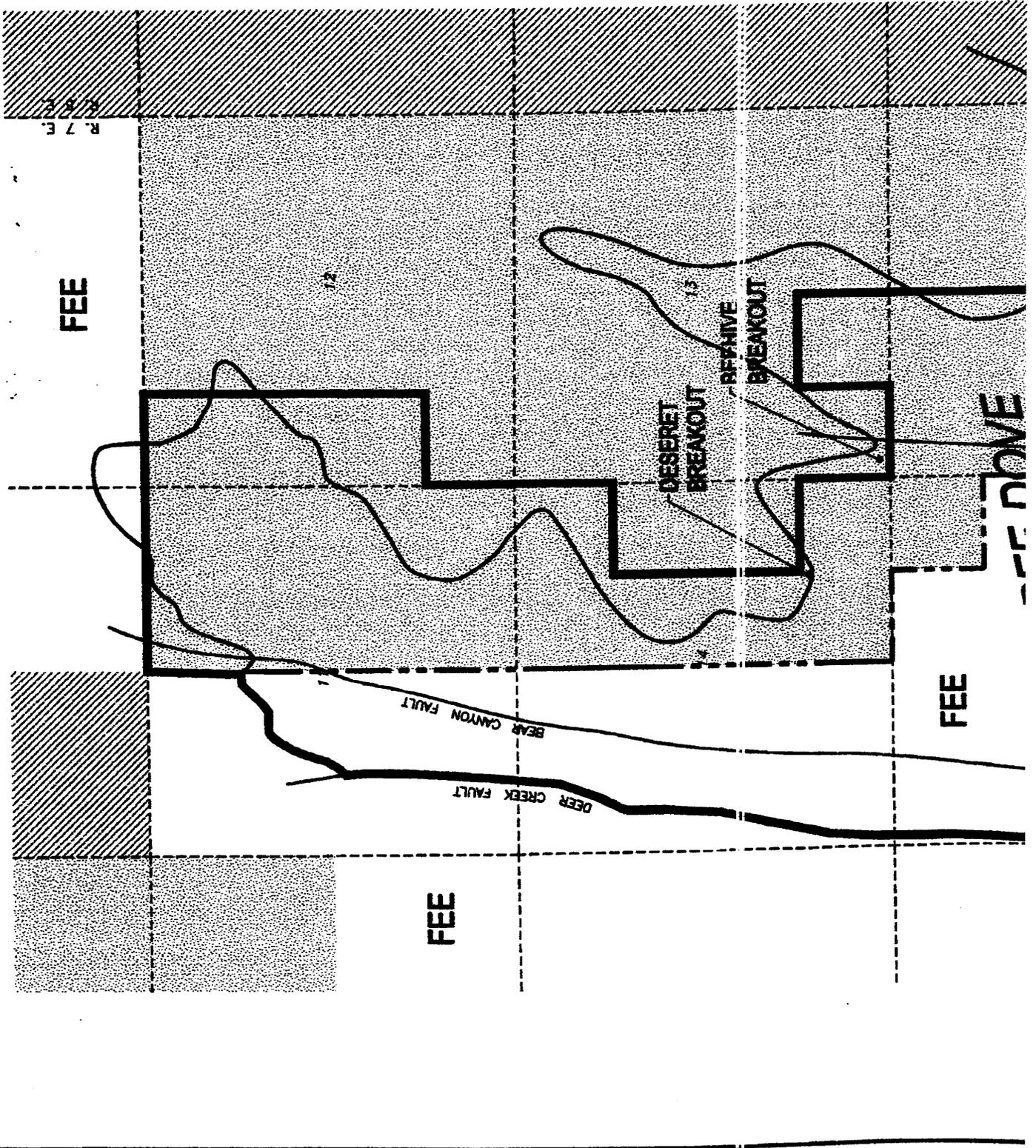
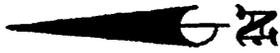
Dennis Oakley
Environmental Engineer

Encl: Map - Des-Bee-Dove Mine: Old vs. Proposed Permit Boundary Map
Summarized Hydrologic Information
Summarized Subsidence Information
Exploration Drill Site Information
Lease Relinquishment Information

cc: Scott Child (Interwest Mining Company)
Carl Pollastro (Energy West Mining Company)
File

PacifiCorp
Energy West Mining Company

Des-Bee-Dove Mine:
Old vs. Proposed Permit Boundary



PacifiCorp
Energy West Mining Company

Hydrologic Information

Hydrologic Information

According to the PHC and CHIA, projected hydrological impacts associated with the Des-Bee-Dove Mine are negligible. Raw data, though, is found in the 2000 Annual Hydrologic Report. Supportive information is found in the Supplemental Information for the Relinquishment of Federal Acreage, East Mountain Logical Unit, June 12, 1995 on pages 7 and 10-11.

The only spring found within the Des-Bee-Dove Mine permit area is 82-51. This spring has shown no change due to mining. The spring fluctuates proportionately with precipitation. Table 29 in the 2000 Annual Hydrologic Report documents spring flow since 1983. Appendix H of this same report compares the spring flow of 82-51 and precipitation. The figure illustrates a close relationship of the two parameters. A copy of the table and figure is supplied below.

Underground mining in the Des-Bee-Dove Mine has never intercepted groundwater and, therefore, no water has ever been discharged from the portals into the ephemeral drainages. No surface water impacts due to mining has ever been reported within the Des-Bee-Dove permit area.

Table 29: East Mountain Yearly Spring Discharge Variations (GPM)

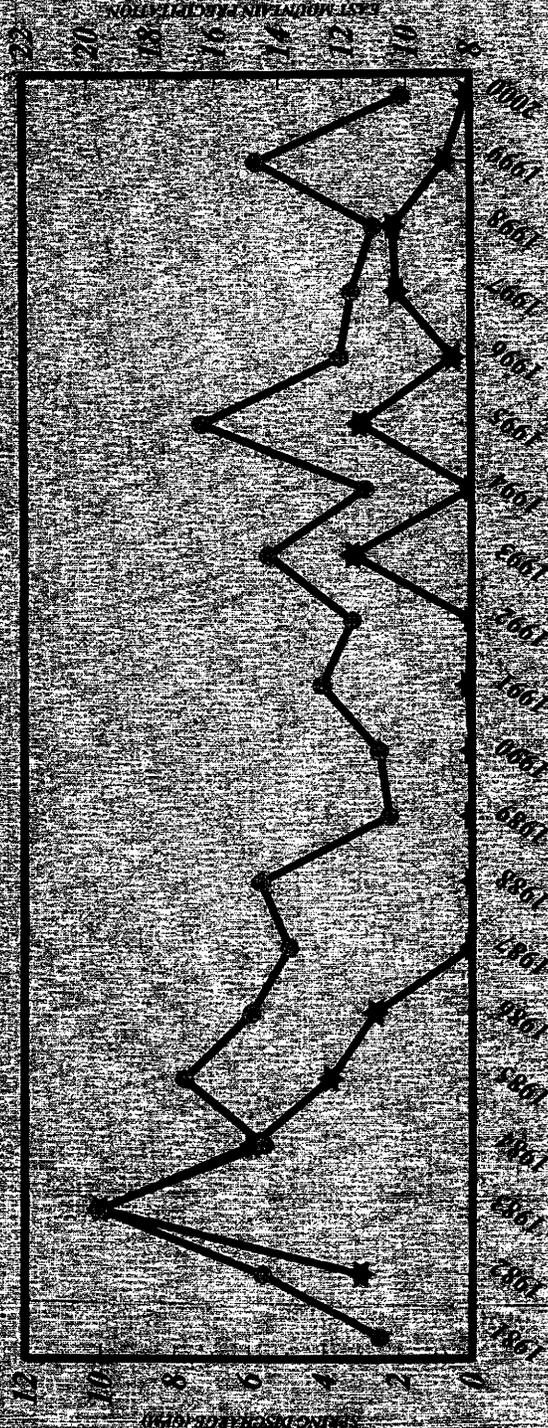
July Flow Data

Spring	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Burnt Tree	30.5	26.6	26.1	17.5	10.2	12.0	6.4	4.1	2.0	4.0	8.6	7.5	7.5	5.5	8.5	6.8	5.0	3.3
Elk Spring	642.3	427.9	390.5	309.7	217.0	217.4	78.5	130.8	176.0	116.8	369.9	46.2	599.3	309.0	235.0	413.0	309.0	107.0
Sheba	22.9	19.7	14.4	8.6	11.4	10.4	1.1	8.1	10.1	6.3	11.0	0.9	10.6	14.9	4.8	7.2	6.1	2.6
Ted's Tub	89.0	48.0	39.1	31.6	69.0	60.0	5.0	13.0	21.0	13.6	51.0	6.0	76.2	36.7	42.9	83.2	30.0	20.0
79-2	9.1	9.7	5.5	2.9	4.0	2.1	2.7	3.9	2.4	2.3	7.5	1.7	2.6	2.0	2.1	2.1	2.2	1.9
79-10	37.1	20.0	33.3	26.1	26.1	25.0	7.0	10.2	12.5	10.5	30.0	4.0	30.0	17.6	14.0	24.0	20.0	5.2
79-15	42.9	26.1	18.2	18.2	14.6	12.7	2.9	3.0	5.0	4.1	20.7	2.0	33.3	11.0	13.6	18.3	15.0	6.3
79-23	20.0	3.6	6.8	0.6	damp	damp	dry	dry	damp	dry	damp	dry	no flow	dry	dry	0.2	dry	dry
79-24	9.3	5.1	5.0	4.3	damp	0.8	dry	dry	dry	dry	damp	dry	0.1	dry	dry	1.0	dry	dry
79-26	20.7	20.0	10.9	8.7	1.5	3.3	0.3	dry	damp	damp	10.0	dry	10.0	0.8	5.0	7.9	2.7	1.4
79-29	10.0	6.2	6.0	4.7	2.5	2.6	1.1	1.3	1.7	0.8	2.9	0.7	3.1	1.2	1.0	3.0	1.7	1.3
79-32	3.3	3.1	2.7	1.3	1.0	0.6	0.5	damp	no flow	no flow	1.3	damp	1.0	0.6	1.0	3.0	1.0	0.4
79-34	56.7	42.9	18.5	16.7	10.5	13.3	dry	dry	0.3	damp	13.0	dry	30.0	7.5	5.5	13.2	8.6	0.4
79-35	15.0	10.5	10.5	7.8	6.3	2.7	dry	1.9	4.3	4.4	8.9	0.5	3.0	4.5	8.6	4.6	5.0	2.7
79-38	10.9	9.2	4.7	3.6	8.3	10.0	1.1	7.8	6.5	2.3	6.4	0.5	10.0	7.5	4.0	7.5	5.0	4.0
79-40	15.0	8.3	5.6	4.7	2.0	5.4	dry	dry	dry	dry	4.0	dry	2.0	0.5	1.4	2.0	1.7	dry
80-41	10.9	15.0	5.8	4.1	2.5	3.9	dry	dry	dry	dry	4.0	dry	2.4	0.5	4.5	5.4	3.7	1.3
80-43	24.0	20.0	6.6	3.1	0.4	1.8	dry	dry	dry	dry	2.7	dry	1.5	damp	damp	0.5	0.1	dry
80-44	24.0	13.1	5.5	2.2	dry	0.5	dry	dry	dry	dry	1.4	dry	3.0	damp	0.2	0.5	0.1	0.5
80-46	60.0	28.3	18.2	12.0	4.0	6.7	dry	dry	dry	dry	7.5	dry	5.0	damp	4.0	4.6	2.5	damp
80-47	20.0	15.0	12.5	12.2	7.4	9.9	4.6	2.0	1.3	3.3	13.3	2.2	12.6	5.0	9.2	10.5	8.6	5.0
82-51	10.0	5.9	3.8	2.6	damp	damp	dry	dry	0.1	damp	3.2	damp	3.0	0.5	2.0	2.1	0.7	0.1
82-52	80.0	48.0	32.1	23.3	20.1	21.5	2.6	1.3	1.0	1.0	16.7	2.0	15.0	7.0	12.0	12.0	12.0	3.4
84-56	9.6	6.3	4.7	3.7	2.5	2.9	1.6	1.0	0.5	0.6	1.0	0.3	1.0	0.3	0.7	1.7	0.9	0.2
Totals	1254.3	839.5	687.0	530.2	421.3	425.5	115.4	188.4	244.7	170.0	595.0	74.5	862.2	432.6	379.9	633.5	441.6	167.0

xx No measurement - utilized yearly comparison.

EAST MOUNTAIN SPRINGS Spring: 82-51 vs. Precipitation

PEAK FLOW (CFS) VS. EAST MOUNTAIN WEATHER STATION



82-51 PRECIPITATION

PacifiCorp
Energy West Mining Company
Subsidence Information

Subsidence Information

The information presented in this section briefly describes full extraction mining under the Castle Gate sandstone escarpment follow by and analysis of predicted vs. observed subsidence in areas 7, 8, 9, and 13. The analysis data has been taken from the 2000 Annual Subsidence Monitoring Report East/Trail Mountain Properties, March 30, 2001.

Historically, full extraction pillar sections have been completed under the Des Bee Dove Castle Gate Sandstone Escarpment. Multiple seam mining (both Hiawatha and Blind Canyon coal seams) has occurred within these sections under the Castle Gate Sandstone Escarpment with no evidence of failure to the escarpment.

Des Bee Dove Mine room and pillar mining areas encountered numerous areas where burned coal and clinker beds surround the mine workings. Mining was projected and oriented to minimize extraction exposure and avoid creating further instabilities in the mining horizon.

In the East Mountain reserve, room and pillar mining has a lower total recovery percentage than longwall mining. Overall subsidence is substantially less than longwall mining (see Figure 4, refer to Part 4, Appendix VI).

Room and pillar extraction panels in the Des Bee Dove Mine were planned to average 300' wide. This relates to 60% less area being affected over time when compared to longwall mining. This helped to minimize possible surface and escarpment disturbance over time.

Room and pillar mining designs and layouts for the Des Bee Dove Mine were also planned so that possible surface disturbance due to full extraction areas did not encounter burned coal and associated clinker-bed instabilities. No damage occurred to the escarpment (except for minor cracking) due to full extraction room and pillar mining in the Des Bee Dove Mine.

Predicted vs. Observed Subsidence

A comparison between predicted and observed subsidence for various areas on PacifiCorp's property has been made using a method developed by the British National Coal Board (NCB). The NCB method utilizes graphs compiled from numerous field observations and takes into consideration the length and width of the mined-out area, thickness of coal extracted, and depth of cover. The method is claimed to be correct to $\pm 10\%$ in the majority of cases, assuming certain limiting conditions are met. The table below compares predicted maximum subsidence with observed subsidence for area 7, 8, 9, and 13 of the Des Bee Dove Mine. (Refer to 2000 Annual Subsidence Monitoring Report East/Trail Mountain Properties, March 30, 2001).

Predicted vs. Observed Subsidence.

Area	Subsidence (feet)		
	Predicted	Observed	% Difference
Area #7 - Bee Hive 2 nd North off 8 th West	6.6	7.4	112
Area #8 - Bee Hive/Deseret Mines East and West Sections	6.8	4.8	71
Area #9 - Little Dove 1 st North	4.3	3.5	81
Area #13 - Des Bee Dove Southern Areas	2.0	1.8	90

Reference: 2000 Annual Subsidence Monitoring Report East/Trail Mountain Properties, March 30, 2001.

In three of the four Des Bee Dove Mine areas subsidence is less than the maximum predicted by the NCB model. The observed subsidence shown here represents the actual maximum subsidence for the particular geologic conditions. In the Area #7, greater than expected subsidence was observed. Chain pillars or barriers between sections are probably crushing, so that strata above the workings cave as it would if a wider zone had been mined.

PacifiCorp

Energy West Mining Company

Exploration Drill Site Information

CM-5 DAILY DRILLING REPORTS

June 19, '77 9:00 AM: moved back on site; hole clean to bottom - 180'; hole to be cased with 60' of 6" casing

12:00 Noon: getting ready to case hole; doing maintenance on rig; need a load of water

6:00 PM: reamed hole to 7½" to 60'; set 6" I.D. casing

7:00 PM: started drilling with a 5 7/8" bit (toothed bit); to put hammer on when parts arrive

June 20 9:00 AM: to depth of 320'; injecting a light soap because of water in hole; new buttons for hammer to be in Wednesday

12:00 Noon: to 350' no problems; good return

June 21 4:00 PM: to 875'; no problems; good return; still on button bit

8:00 PM: to 960'; no problems; good return; still on button bit

June 22 4:00 PM: to 1200'; hit thin coal seam at 1180 which gives good circulation with CM-1; still have circulation

June 23 9:00 AM: to depth of 1365'; tripping for new bit

4:00 PM: to depth of 1550'; nearing time to bottom hole; lost circulation at 1465' in coal

June 24 2:00 AM: finished probing drill hole; Bind Canyon seam 5.0' coal, 2.0' split, 8.6' coal; Hiawatha seam 9.7' coal; hole caved at 400' and only were able to run density and resistivity in lower part of hole

12:00 Noon: Boyles left site; to return on Sunday to cement and move

June 26 12:00 Noon: Boyles running pipe into hole to cement

4:00 PM: cement job completed; start to move to EM-6

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
Manti-LaSal National Forest
Ferron, Utah 84523

SL-050133
2820

November 7, 1971



Mr. Allen L. Vance
U.S. Geological Survey-Conservation Division
Office of the Area Mining Supervisor
8426 Federal Building
125 South State Street
Salt Lake City, Utah 84138

Dear Allen:

The following sites from Utah Power and Light's 1977 drilling program on East Mountain have been inspected by Arden Taylor and myself:

- | | |
|------|---------------------------------|
| EM-2 | EM-11c |
| EM-3 | EM-12c |
| EM-6 | CM-3 |
| EM-9 | CM-6, pad built, never drilled. |

All sites were clean of trash and debris, put to contour, and seeded. Utah Power and Light and Arden Taylor are to be commended for the diligence exercised in site preparation, use, and rehabilitation. The harrowing of the sites before and after seeding is especially appreciated.

Final clearance of these sites is conditional on successful reestablishment of vegetation.

Sincerely,

Robert M. Wilson

ROBERT M. WILSON
Geologist

cc: Arden Taylor



COAL EXPLORATION DRILLING SUMMARY SHEET

DATE: 10/15/81

COMPANY: Utah Power & Light

LEASE OR EXPLORATION LICENSE NUMBER: SL-050133

HOLE NUMBER: CM-7

TOTAL DEPTH: 825'

ATTRIBUTES:

HOLE SIZE	DEPTH	CASING SIZE
<u>8"</u>	<u>0-40'</u>	<u>7 3/4"</u>
<u>6"</u>	<u>40-825'</u>	<u>-</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

NUMBER OF SACKS CEMENT USED? 85

NUMBER OF SACKS BENTONITE USED? 2

OTHER?

HOLE PLUGGED TO SURFACE? yes

TIME SPENT: 5 hrs SURFACE CASING: Cement up through casing

PLUGGING:

WITNESSED BY: Tim Abing

GENERAL COMMENTS: Drill hole not core but just logged.

PacifiCorp

Energy West Mining Company

Lease Relinquishment Information



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Moab District
P. O. Box 970
Moab, Utah 84532

3452

SL-050133 et al
(U-065c)

U.S. NAT.

Memorandum

JUL 20 1992

To: State Director, Utah (U-942)

From: Assistant District Manager, Mineral Resources

Subject: Relinquishments of Federal Coal Leases, PacifiCorp and Malcolm N. McKinnon Trust

We have been asked by memorandum from your office dated May 19, 1992, to review the subject relinquishments to determine that this action will not impair the public interest and that all obligations of the lessee under the regulations and the terms of the lease have been met.

PacifiCorp, as lessee of record, proposes to relinquish Federal coal lease SL-050133 in total, and portions of leases SL-066116, SL-064607-064621, U-02664, U-1358, U-47978, U-47979, and U-024319. Also, PacifiCorp, as sublessee, plans to relinquish portions of Federal coal lease SL-070645-U-02292 with the consent of the lessee, Malcolm N. McKinnon Trust.

The relinquishments were reviewed with regard to the Bureau of Land Management's jurisdiction over coal operations on Federal leases. There are no mine surface facilities, portals, or structures located on the areas to be relinquished. To the best of our knowledge, all known exploration drill holes have been plugged and reclaimed. No recoverable coal remains in the areas to be relinquished. The coal resources are either mined out, burned, or unminable. The unminable coal is in small isolated areas where faults and other geologic features have cut off physical and economical access. Also, coal production from these areas has been accounted for and reported to Minerals Management Service for royalty payment. Having made these determinations, we find that the relinquishments would not impair the public interest, as conservation of the coal resources has been achieved. The terms and conditions of the lease have been met for those items that are under our jurisdiction. Therefore, we have no objections to the relinquishments.

With regard to the lease bond for Federal coal lease SL-050133, we have no objections to the termination of this \$5000 bond as no liabilities remain. We will send bond recommendations for all of PacifiCorp's Federal coal leases under separate cover.

Aug-28-2001 16:29

From-ENERGY WEST MINING DIVISION

+4356872695

T-387 P.021/023 F-661

Jul-21-00 10:38am From-BLM PRICE UTAH

4356872695

T-848 P.03/06 F-797

If you have any questions, please call Gary Johnson, Chief -
Price Coal Office, at 637-4584.

Gary Johnson
for
ADM

cc:

DM, Moab (U-065)

SD, Utah (U-921)

SFalk:sf:ks: 07/13/92 WP PACIFIC.REL

V. Ann.

United States
Department of
Agriculture

Forest
Service

Manti-La Sal
National Forest

559 West Price River Dr.
Price, Utah 84501

Reply to: 2820

Date: June 21, 1993

ACT/015/017 #

Copy PAM

Lowell Braxton
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

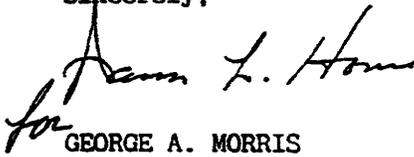
RE: Lease SL-050133 Relinquishment, PacifiCorp, Des-Bee-Dove Mine, ACT/015/017,
Folder #2, Emery County, Utah

Dear Mr. Braxton:

We have no objection to removing the area formerly included as Federal Coal Lease SL-050133 from the permit area for the Des-Bee-Dove Mine. This area was not mined, therefore, there is no need to retain this area within the permit area for the purpose of monitoring or mitigating the effects of mining.

If you have any questions, contact us at the Forest Supervisor's Office in Price, Utah.

Sincerely,

for 

GEORGE A. MORRIS
Forest Supervisor

cc: D-2
Roger Zortman, BLM Moab District

RECEIVED

JUN 21 1993

DIVISION OF
OIL GAS & MINING



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

July 8, 1993

Mr. Val Payne
Senior Environmental Engineer
PacifiCorp
P.O. Box 1005
Huntington, Utah 84528

Dear Mr. Payne:

Re: Lease Relinquishment (SL-050133), PacifiCorp, Des-Bee-Dove Mine,
ACT/015/017, Folder #2, Emery County, Utah

Federal Coal Lease SL-050133 was relinquished by the BLM on March 9, 1993. Letter dated June 21, 1993, from Mr. George Morris, Forest Service, to Mr. Lowell Braxton, stated that there is no need to retain this area within the permit area for the purpose of monitoring or mitigating the effects of mining (see attached). Therefore, the permit area for the Des-Bee-Dove Mine may be adjusted to remove SL-050133 lease area from the permit area. Due to the fact that this lease has not been mined to date (i.e. no subsurface disturbance), this permit change can be processed as an amendment.

If you have any questions, please call me.

Sincerely,

ROUTE

Pamela Grubaugh-Littig
Pamela Grubaugh-Littig
Permit Supervisor

GUY DAVIS
 VALERONE

TERRY TOLLOCK

DIANA WASHINGTON
Karl Koushke

Enclosure

cc: LBraxton
BMatencik

*cc: S. KOCHMAR
B. WEBSTER
S. CHIND*

