Strip Mine Reclamation Shows It Can Work

By ARTHUR HUTCHINSON

IR State Bureau

cific left off.

clamation toured four coal min- essary.

All four mines were in operation before the 1971 Legislature reclamation acts and qualified under a less stringent voluntary reclamation law passed in 1969 and administered by the state department of natural resources.

But under land department pressure, three of them and Decker Coal Co. at Decker indicate they'll accept reclamation contracts under the tougher new law and accept administration by the Land Department. Peabody still is dragging its

The land agency was given a small budget for reclamation administration and is developing a staff of knowledgeable reclamationists. The personnel are developing because the science is developing. it's largely experimental - nobody is yet sure which techniques will be best and no one mine can be reclaimed quite the same as another mine.

Good Marks

This is illustrated by Western Energy, a subsidiary of the program of planting catchable Montana Power Co., which can trout until further studies are be given good marks for its ef- made. forts at a black hole in the ground called Pit No. 6, Rose- lings, forcefully rejected a recbud Mine. At full production the ommendation by a delegation firm will be ripping up 140 from Trout Unlimite d that acres a year and hopefully res- planting of catchable (7 to 9inch) trout be discontinued in toring as much.

The work is under the direc- blue ribbon streams and other tion of Richard L. Hodder of waters where natural reproducthe Agricultural Experimental tion of trout is good.

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mittee for Constitutional Improvement, Donna Muffick, Sec'y. Helena. Station at Montana State Uni- caught. The treatment, he said, Hodder diplayed one seeded ing and leveling but had left, "Western Energy will be fin- er can be built that will provide scars in a decade or generagrants and the coal firm.

sion gained from a visit to Col- spoilbanks after they are The operations visited re- for its mining operations which legislation.

State and federal officials However, Hodder didn't seem that will hold without sloughing top.

ing operations in eastern Mon- Hodder has 50 plots of test tana last week under the aus- plantings on topsoil, subsoil and pices of the reclamation divi- raw spoils. "Raw spoils with sion of the state department of straw mulch produced equally as well as topsoil," he said.

At Western Energy's pit, winter wheat is seeded to provide passed compulsory strip mining a cover that will hold the gradin with the wheat take hold.

Western Energy is using one innovative technique Hodder is developing which he calls "surface manipulation."

with a bulldozer or small traps environment. are gouged out of the surface But it would be up to the poli-dressing which would not force The legislature would be di- Legislative provision for en-citizen lawsuits.

INDEPENDENT RECORD

State Bureau

The Montana Fish and Game

Chairman Willis Jones, Bil-

the heels of a recently released a decade.

native fish both in size and not going to save any money."

naturally support only a limited nomically unsound.

study which indicated that

pushed into ending the program

by TU or by the department it-

The chairman acknowledged

that he was "personally put

out" because results of the

study were re leased before

He also said he was upset be-

cause the study came to the

"The results are not conclu-

sive," Jones said. "We need

more substantiating data. This

is a study of two years on two

streams that are unique to

Jones and Commissioner Ar-

set at language in a letter from

a TU member which referred

to "polluting rivers with catcha-

bles." The letter said the plant-

and inconsiderate" amateur an-

glers while harming the re-

commissioners without any rec-

commissioners saw the study.

number of fish.

self," Jones said.

ommendations.

Fishermen Push

F&G Commission

that the land scarred by coal is to make the companies save the spoil material. Much of the that (slope), it's not going to be Tom Goers.

ter than that, said, was doing some fair grad-built up.

versity supported by research prevents erosion, provides mois- slope of about 6 to 1, or 15 per the worst growing material - a ished mining this pit by 1975," a climate where native grasses, tion. ture for vegetation and prod- cent where winter wheat was gooey clay - on top. "They've Schwinden said. "Who is going brush, weeds and trees eventu-Early efforts at strip mining One thing the Land Depart- uces freezing and thawing pushing up green shoots. got it upside down," said Recla- to fertilize it in 1985?" reclamation show some promise ment specialists are pushing for which reduces compaction of "If they bring it all back to mation Division Administrator There was no real answer, ally will replace.

semblance of its natural state. | stripping overburden and re- compacts so hard nothing would sioner Ted Schwinden. | lem with reclamation which responsible. There was some At least that is the impres- place the mantle on the graded grow. Western Energy was praised probably will require further talk that some reclaimed areas

> later using the first 10 inches. slope of 2½ to 1 is the steepest sandy material to be placed on ceded fertilization for a consi- and recreation. derable period will be neces- Using a combination of the maybe 35,000 years.

just a reply that whomever The Hope mining can be restored to a the topsoil before they begin spoils is a clay material that too bad," said Land Commis- Schwinden raised one prob- manages the land then will be could be restored to agricultur- just what it would have been if plained his agency's policy. strip where Western Energy Co. through mining. ce i ved generally good marks permitted the worst soil to be One of the current experial use and the lessee would fer-we had left it alone." and the Peabody Coal Co. are Western Energy is doing for grading spoil banks. Work buried in the lower part of the ments is how much and how tilize but Western Energy's ultitearing up where Northern Pa- some of this - stockpiling and at Colstrip in dic a tes that a mined out pit and the better long to fertilize. Everybody con- mate aim is wildlife habitat guessed that nature would have \$1,000 per acre - cost the com-

concerned with mining land re- convinced this was always nec- but most are being graded flat- Peabody, several officials sary before the soil mantle is techniques that prove to work Reclamationists hope they and one cent a ton on a 25-foot best, it is hoped that a soil cov- can speed it up to heal the coal seam at Decker.

"The hope is," Swinden said,

Wheat and grasses were growing on the rough banks and green showed where men had been working. There is definite promise reclamation can work.

"We want all the reclamation "that eventually it will become we can get," Schwinden ex-

Goers said reclamation costs erased man's scarring hand in panies only two cents a ton on a 24-foot coal seam at Colstrip

New Document Would Protect Environment

grass, forbs and legumes mixed posed new constitution and their te effect. effect on the people.)

> By DENNIS E. CURRAN IR State Bureau

or the top surface is loosened. ticians, especially the legislature to do anything it rected to provide for enforce- forcement also would help de-"They are all designed to tors, to make the constitutional cannot do already. trap water," Hodder said. The promises come true, and ac-

sources for the experienced an-

Commissioner Jack Cohn,

didn't reproduce naturally.

son study was released.

the native lunkers.

state" and say it will not only The new constitution would disturbed by the taking of natu-citizen suits. tion is merely nebulous window generations."

agree they have the potential to "unreasonable depletion and de- citizens to bring lawsuits against mental quality. The present constitution does not mention the environment.

Environmental protection in

Candidates gler with the ability to catch Mourn ABM

Commission agreed Friday that Helena, said it was impossible by THE ASSOCIATED PRESS it had no intention of ending its to discontinue the planting pro-Two Republican U.S. Senate reasonable? gram in streams and lakes that candidates Saturday bemoaned the fate of northcentral Mon-Jones said he wondered why tana now that ABM projects have been ordered cancelled -TU came in with its recommendation so soon after the Madi- one citing "fickle federal programs", the other attacking "bungling congressional repre-"I wonder if there is some

sentation from Montana." collusion between the biologists The U.S. - Soviet arms limiand you," he told the delegatation agreement reached in tion. However, the organization Moscow Friday included a prohas been opposed to the catchvision for the scrapping of the able planting at least in good Montana missile sites near Con-The request from TU came on natural trout waters for nearly

Jones said he hears that endplanting of the catchable fish in ing the program will save monthe Madison River and tribu- ey but said hatchery fish will C. Wheeler. tary O'Dell Creek harmed the be needed anyway and "we're

Biologists concluded that the the report which said that each hood," Hibbard said. He said site near Conrad. large numbers of hatchery- catchable trout that survived to many businessmen will suffer "We're not going to be some money to provide fish for support a boomtown, and now state," Dunkle said. Montanans to catch, "that's not the rug has been pulled out

from under them."

ment of the duty and also to termine the ultimate effect of But even in the new provi- provide "adequate remedies" to the article. runoff from snow or rain is tions speak louder than words. sions serve only as a broad protect the "environmental life A strong minority wanted the statement of public policy, most support system" and to prevent constitution specifically to allow

> help insure Montana's environ- gration of natural resources." polluters even if they could not Like may constitutional provi- prove actual damages to their sions, the effect depends on property. But the citizen suit how the provisions are imple-concept was defeated repeatedmented and how key words like ly on the convention floor. "improve" and "adequate" and Proponents of citizen suits

"unreasonable" are defined, argue that environmental deg-What constitutes "improving" radation harms everyone and the environment, or what is an that citizens should not have to "adequate remedy" for protect- wait until they can show dam-

be used to justify strong state tion.

ing natural resources? When is age to go to court to stop polludepletion of natural resources tion. But a majority of delereasonable and when is it un- gates feared that citizens suits might result in legal harass-

best possible reclamation.

But the potential is clearly ment of polluters and should there. The new provision could not be locked into the constitu-

(Editor's Note - This is the Few articles in the new constitution would be air and water pollution stand- The proposed environmental The new constitution would ed spoil banks and prevent ero- 16th in a series of stories exam- stitution have caused so much accomplished through a new ar- ards; it could lead to limita- section would allow the legisla- not include the controversial sion until native and hardy ining key provisions of the pro- disagreement over the ultima- ticle on environment and natu- tions on clearcutting or strict ture to authorize (as it can public trust doctrine, but the ral resources and a new "right controls on mineral extraction. now) citizen suits as a means legislature could extend the Some see it as the "strongest to a clean and healthful envi- Another provision would re- of enforcement. But the legisla- state's police power over prienvironmental article of any ronment" in the bill of rights. | quire "reclamation" of all lands ture would not have to allow vate property to prevent envi-

protect the environment but im- direct the state and each per- ral resources but would not set Moreover, some believe In fact, the proposed new en-Montana's proposed new con- prove it. Others, disappointed son to "maintain and improve a any standard of reclamation. (though a convention majority vironmental provisions would After the spoil bank is grad-stitition, like many politicians, over the lack of citizen enforce- clean and healthful enviro- The legislature could require disagrees) that the environmen- not limit legislative actions at Knife River Coal Co. at Savage ed, large basins are carved out promises to protect Montana's environcould be interpreted to allow ment can be protected as the legislature wants it to be.

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Dunkle Would Not Allow Pull Out

MISSOULA (AP) - Republi- be pulled out from under Mon-The comments came from can candidate for governor tana as it has in this case," Henry S. Hibbard and Norman Frank Dunkle said Saturday all Dunkle said in a statement.

of Montana should be "con-"This shows what can happen cerned and upset" about the when you depend on fickle fed- decision to halt construction of He criticized one aspect of eral programs for your liveli- the Antiballistic Missile (ABM)

"This kind of treatment of raised fish crowded out the na- be caught cost the state about the effects of the program cut- Montana by the federal governtives in a stream which could \$2.50 and the program was eco- off for years because "they in- ment is one more reason why vested their hopes and money Montana should seek to develop The chairman said if it cost in businesses and services to economic growth within the

He said he will, if elected governor, seek guarantees from the federal government that programs in the state would be 'permanent and not based on crash programs."

Dunkle said he hoped the federal government would recognize its responsibility to the Conrad area, site of most of the ABM building activity, and take measures to stop economic

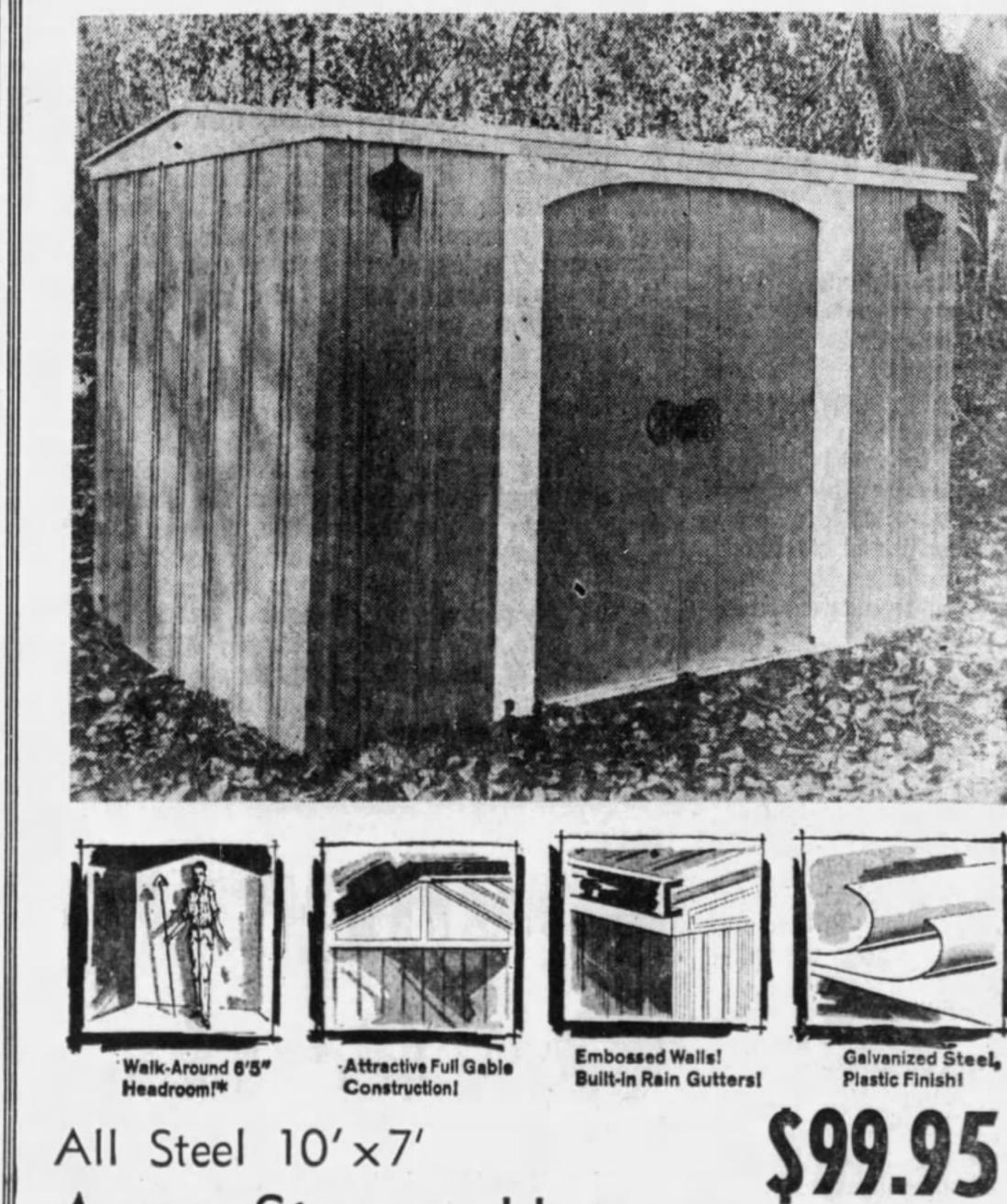
"I would not allow the rug to

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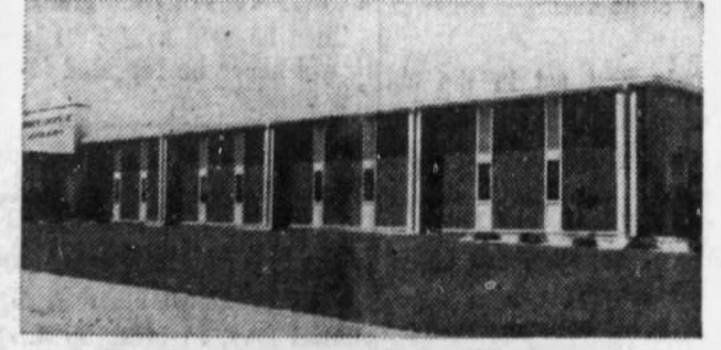


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INDEPENDENT RECORD State Bureau

A proposal to merge its "Montana Outdoors" magazine

economically unsound."

with the private publication 'Montana West' has been taken under study by the State neld Rieder, Boulder, were up- Fish and Game Commission. The merger was proposed by

Dick Graetz, publisher of "Mon-

tana West," a quarterly which

ing program catered to "greedy appeared in the spring of 1970. "Montana Outdoors" was converted into a bi-monthly quality magazine in the fall of 1970. Both magazines are printed on slick paper, use color photographs extensively and have ex-

> cellent color reproduction. Graetz told the commission that he could save the department \$30,000 a year by merging their magazine with his. He proposed that the material appearing in the Fish and Game Department publication be prepared as at present and inserted in a special section in his mag-

azine with no advertising. Graetz noted he started his magazine before the fish and game agency. "I see no need for the state to compete with private enterprise," he said.

Both magazines cater to the outdoor enthusiast, "Our articles overlap theirs and theirs overlap ours," Graetz said. He said a merger would "beef up their magazine and

"Montana Outdoors" has a press run of about 24,000 and a paid subscription of about

enhance our magazine."

20,000. It sells for 50 cents a damage. copy on newsstands and a oneyear subscription is \$2. Graetz declined to disclose

the number of "Montana West" subscribers or sales but said the press run "soon will approach 50,000 copies." He said there are no plans to distribute the magazine nation-

would be the minimum required for distribution. Graetz said the company was reorganizing and he was getting some new associates but would remain as head.

wide on newsstands and that

The commission heard the proposal and instructed its information and education section to discuss details with Graetz can buy!!! and report back to its June

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