

Quinn's Coal

arrived 1:45

Sept. 26, 1999

sunny, warm

Kresko Coal with Quinn's

- 2 shifts crews - 1 shift

- 5 days a week

- little synclines, little pods

2N - 1 seam (mining)

4S - 3 seam (mining)

2S - mined out

- higher sulphur in 4S

- room & pillar method

- total extraction

2 to 12° dip - 12' thick

LEVEL (S)

- continuous miners
20' w. dia, 8' high

- herring bone

- retreat and pull
pillars - roof caves- geological mapping
for structures because
of damages- 2 people killed
when rock collapsed
in road area- terms - roof, floor, ribs,
different from (water)
coal than minerals

- macerals

- no blasting

- 7 man crew

- remote control

① Low continuous miner

- bolter ②, ③

electric

- 2 shuttle cars ④, ⑤

diesel
are
s

- mechanic ⑥

LEVEL (S) - shift boss ⑦

scoop
hours
per

LEVEL (S)

2N
overview
mining headings

Sub-b: 1/2 min. view

- 24 US to 82 US
miner & denne
- spot market
everybody had
a contract- 8 years of reserves
blend coal - high
S with low S20,000 tonnes per
year yield

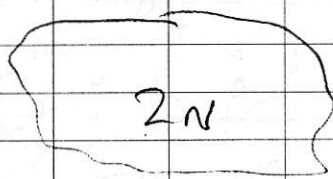
retrieve 50 to 60%

Coal
safety problem and
protect road ways
washing & sizing
magnetite from Coagmont

(ash) = waste
rock
coal from mine
contains 24% ash
go to 13%
ash or less

Domestic in dusty
for cement industry
now
thermal coal
is down, used
to be Japan
Chile

1400 tonnes per day



- 60' to 40'
of cover

- some coal towards
airport at C. River

- only mining 2N right
now - two adts.
 - one for ventilation
- exhaust fan to
suck out methane
- 3 road ways
fresh air
conveyor
exhaust air

Quinam - 1/2 inch dust
burns

• collapses in large
areas if not
well supported

4/5 - hard sandstone
creates a problem
as can only take
50% of pillars
- use lime
dust to reduce
compressible materials
and neutralize
local dust

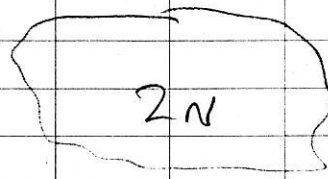
- retrieve 50 to 80%
Coal
- safety problem and
protect road ways
- washing & sizing
- mag white from Coalgmont

-(ash) = waste
rock

- coal from mine
contains 24% ash
90 to 1350
ash or less

- domestic industry
for cement industry
now
- thermal coal
is down, used
to be Japan
Chile

1400 tonnes per day



- 60' to 40'
of cover

- some coal towards
airport at C. River

- only mining 2N right
now - two adits
- one for ventilation
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suck out methane
- 3 road ways
fresh air
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exhaust air

Ruinian - thick that
burns

• collapses in large
areas if not
well supported

- use lime
dust to reduce
combustible materials
and neutralize
acid dust

45 - hard sandstone
creates a problem
as can only take
50% of pillars

Photo #3 pit - looking N towards
pit #4
#4

#3
#4 mine
- #3 soon being
mined

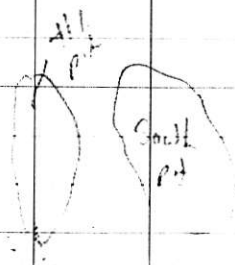
3 steps of collapse
small piles, then mounds
and

Photo #3 pit - with ^{sun} ~~water~~
- water higher
than Noranne Lake

#4 mine has high
pyrite - waste going to
water-filled #3 pit

Noranne Lake to north
of South pit

Noranne Lake



Danksam
EOS 420 Fall 1998

$\Delta 1$ Wash Plant

- DL South Pit - partially open
- #1 pit - reclaimed
- #3 pit
- 3 barrels to mine
- undergo from South Pit
- went underground at 10:1
- or 11:1 slip ratio
- #1 pit 1:1 ratio
- top soil pile ready
- for reclaiming South
- Pit

#1 & #2
Scan

Photo - South Pit looking
South East

Photo - top soil before frogs
good 5m scan
f. polders clay below
white sign