

Approved April 9, 1987

Date

MINUTES OF THE HOUSE COMMITTEE ON ENERGY AND NATURAL RESOURCES

The meeting was called to order by Representative Ron Fox at
Chairperson

8:00 a.m. ~~p.m.~~ on April 7, 1987 in room 526-S of the Capitol.

All members were present except:

Representative Barr (excused)	Representative Roe (excused)
Representative Freeman (excused)	Representative Sifers (excused)
Representative Guldner (excused)	Representative Sutter (excused)

Committee staff present:

Ramon Powers, Legislative Research Department
Bill Buchanan, Legislative Research Department
Betty Ellison, Committee Secretary

Conferees appearing before the committee:

Senator Phil Martin
Representative Sam Roper
Representative Lawrence Wilbert

The meeting was called to order by Chairman Fox who opened the hearing on Senate Bill 134--Coal extraction exempt from mined-land reclamation act.

Senator Martin told the committee that he had requested this bill for the purpose of conforming state law to federal regulations under the federal Surface Mining Act of 1977. (Attachment 1) It was noted that the two seams of clay needed for commercial use are separated by a thin coal seam. The clay extracted is used by local artists and art institutions, as well as for the manufacturing of kitty litter. This production would provide the potential for 50-55 jobs in southeast Kansas.

Representative Roper spoke in favor of this legislation because of the economic benefits to southeast Kansas.

Representative Wilbert concurred with the other speakers, noting that the coal was incidental to the clay which was the main project.

Committee discussion followed.

A motion was made by Representative Spaniol, seconded by Representative Sughrue, to report Senate Bill 134 favorably and place on the Consent Calendar. The motion carried unanimously.

The meeting was adjourned at 8:20 a.m.

CHEROKEE COUNTY CLAY CO., INC.

REQUEST FOR AN EXEMPTION TO ALLOW FOR
THE REMOVAL OF COAL INCIDENTAL
TO THE EXTRACTION OF CLAY.

November 1986

Prepared By:

TRIAD MINING CONSULTANTS
101 East Fourth Street
P. O. Box 1507
Pittsburg, Kansas 66762
(316) 231-5660

CHEROKEE COUNTY CLAY COMPANY, INC.
1502 Imperial Circle
Pittsburg, Kansas 66762

November 28, 1986

Kansas Mined Land Conservation
and Reclamation Board
P. O. Box 1418
Pittsburg, Kansas 66762

Dear Board Members:

Cherokee County Clay Company, Inc. is a small clay mining operation conducting business in Cherokee County on the site of the old Jack Wilkinson mining operation. During the first two years, the majority of the clay production went to the Dickey Company for the manufacturing of clay sewer pipe.

Test borings conducted during the summer of 1986 have indicated an additional seam of commercial quality clay located approximately three and one-half (3-1/2') feet below the seam currently being extracted. This additional seam of clay almost doubles the reserves held by Cherokee County Clay Company, Inc.. The two clay seams are separated by a thin (approximately 11") coal seam identified as the B Bed.

Because the coal reserves of the property amount to less than eight (8%) percent of the commercial clay reserves, Cherokee County Clay Company, Inc. is requesting an exemption from the Act, to allow the coal to be removed "incidentally" within the extraction of both clay seams, for which markets readily exist. To determine the available reserves of both clay and coal, an independent resource evaluation has been performed by *Triad Mining Consultants* as requested by the Executive Director.

Cherokee County Clay Company, Inc. proposes to submit an annual sales report which would describe all mine activity during the year and include a copy of all sales invoices to insure that all requirements of the exemption are being met. In addition, a quarterly summary will be submitted to the Pittsburg Office Staff and all records will be made available for inspection. At no time will the coal sales exceed 16-2/3 percent of the clay sales and by years' end should always approach the percentages shown on the "Production Spreadsheet" contained within the enclosed report.

In order to meet the recent sales commitment to Classic Pottery LTD., Inc., Cherokee County Clay Company, Inc. would like to extract the coal (1950 tons) which exists in the current pit enabling clay to be delivered to the pottery in December.

I would like to thank the Board members for reviewing this exemption proposal. Given the current economic condition of Southeastern Kansas, projects like this can only help to improve the situation.

If there are any questions on this matter, please feel free to contact myself or Terry Fox, with *Triad Mining Consultants*.

Respectfully,



Ira W. Palmer, President
CHEROKEE COUNTY CLAY COMPANY, INC.



MINE PLANNING AND DEVELOPMENT • PERMITTING • RECLAMATION

4TH AND BROADWAY • P.O. BOX 1507 • PITTSBURG, KS 66762 • (316) 231-5660

November 25, 1986

Mr. Ira W. Palmer
CHEROKEE COUNTY CLAY COMPANY
1502 Imperial Circle
Pittsburg, Kansas 66762

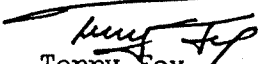
Dear Mr. Palmer:

Transmitted herewith is the Resource Evaluation Report and Notice of Exemption application for the current operation in Section 20, T32S, R25E, Cherokee County, Kansas.

The enclosed document consists of an assessment of the clay and coal reserves of the property and an application for a Notice of Exemption to remove the coal "incidentally" during the extraction of the clay minerals. The application follows the format requested by the Kansas Mined Land Conservation and Reclamation Board Staff during a meeting on November 19, 1986.

Thank you for the opportunity of completing this project and we look forward to working with you in the near future. I will be pleased to answer any questions or clarify any details concerning this report...

Respectfully,


Terry Fox
Mining Engineer

cac
enclosure



MINE PLANNING AND DEVELOPMENT • PERMITTING • RECLAMATION
4TH AND BROADWAY • P.O. BOX 1507 • PITTSBURG, KS 66762 • (316) 231-5660

I hereby certify that the following geologic report and reserve estimates were prepared under my supervision using appropriate U.S.G.S. standards and procedures.

Dennis R. Meier

9229
Registration Number

1/8/87
Date

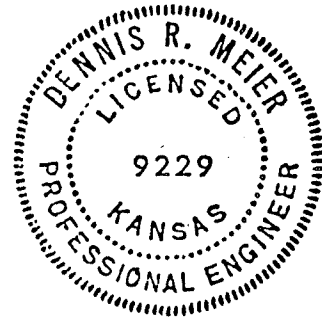


TABLE OF CONTENTS

LETTERS OF TRANSMITTAL

INTRODUCTION

NOTICE OF EXEMPTION

Application

Geology and Reserves

Operations Plan

Markets/Production

APPENDIX

Summary of Federal Requirements

Site Characteristics

Drill Logs

Laboratory Analyses

Correspondence

CHEROKEE COUNTY CLAY COMPANY
Section 20 - Resource Evaluation

INTRODUCTION

For the past several weeks, *Triad Mining Consultants* has conducted a resource evaluation for Cherokee County Clay Company on property located in Section 20, T32S, R25E, Cherokee County, Kansas.

The purpose of this investigation has been to project the reserve base of clay and coal on the Section 20 property.

The report has the following objectives:

Estimate the clay and coal resource base of the property;

Characterize the "commercial clay" mineral reserves within the resource base;

Evaluate the ratio (by tonnage) of coal to commercial clay for the entire property and by annual mineable unit.

Prepare the report according to the specific format requested by the Kansas Mined Land Conservation and Reclamation Board Staff for a "Notice of Exemption" during a meeting on November 19, 1986. The specific format is that of the proposed federal guidelines.

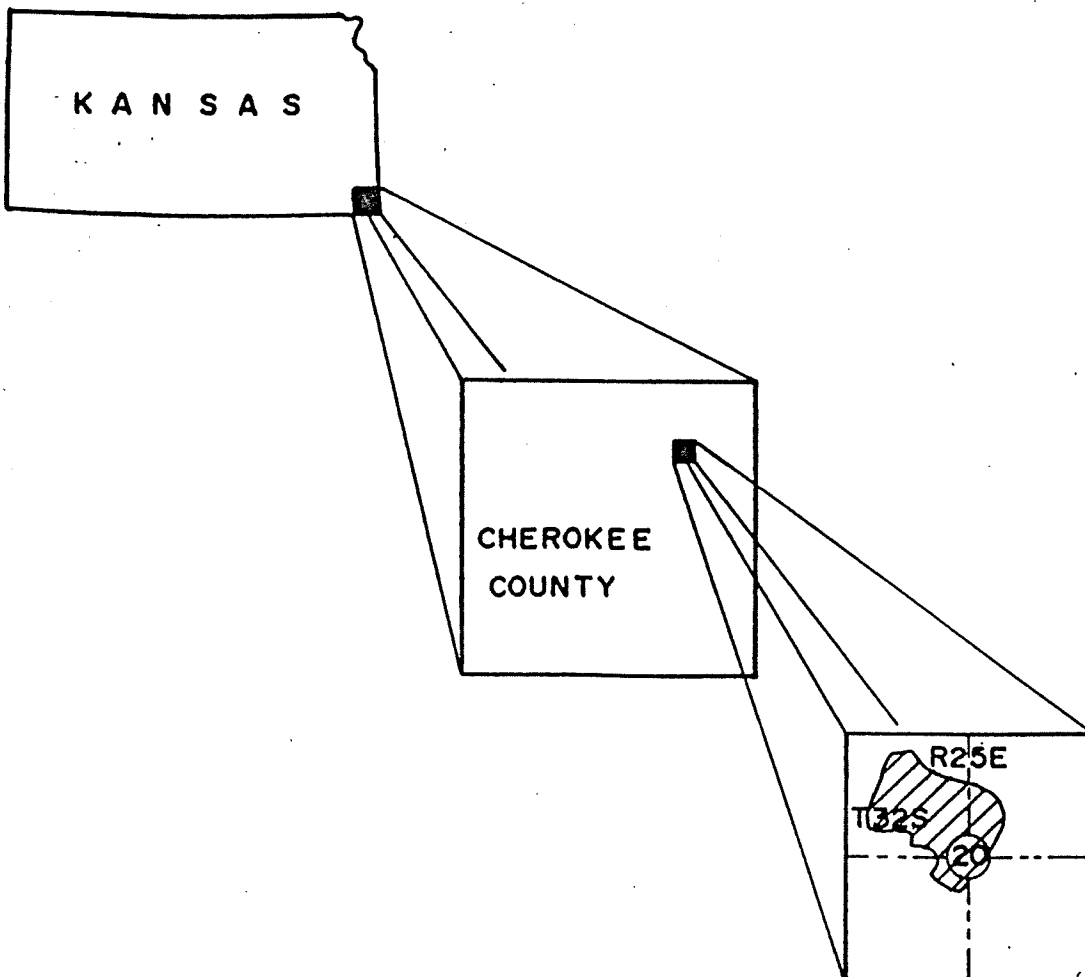
By meeting these objectives, the report lays the groundwork for the removal of the coal incidental to the extraction of the clay mineral, where the coal does not exceed 16-2/3 percent of the tonnage of minerals removed for purposes of commercial use or sale as per Public Law 95-87.

The information presented herein is based on field observations, a literature review, company records, and exploratory drilling.

THE COMPANY

Cherokee County Clay Company is a small, privately held company involved in the extraction of clay for the commercial ceramic industry.

The active operation is located in Section 20, T32S, R25E, Cherokee County, Kansas on land previously mined for coal and small amounts of clay by Jack Wilkinson. The mine supports five (5) employees and produces high quality clay suited to a wide range of ceramic applications. Currently, the clay is being used by manufacturers of clay sewer pipe, stoneware, tile, and brick, as well as by local artists.



702.12 CONTENTS OF NOTICE OF EXEMPTION

(1) The name and address of the operator:

a) Name of Applicant: Cherokee County Clay Company, Inc.

Address: 1502 Imperial Circle, Pittsburg, KS 66762
(Zip Code)

Telephone No.: (316) 232-2074
(Area Code)

b) The applicant is a:

Corporation

Domestic X

Foreign _____

Partnership _____

Single Proprietorship _____

Association _____

Other (Specify) _____

c) Principals

Ira W. Palmer, 1502 Imperial Cr., Pittsburg, Crawford, KS, President
(Name) (Street Address) (City) (County) (St) (Position)

William H. Palmer, PO Box 120 (Rte 3), Pittsburg, Crawford, KS, V.Pres,
Secretary - Treasurer

(2) A list of the other minerals sought to be extracted, and an estimate of the annual and total tonnages of other minerals to be extracted for commercial use or sale and coal to be produced within the mining area;

<u>Mineral</u>	<u>Total Tonnage</u>	<u>Annual Tonnage</u>
Clay	1,107,700	12,500 - 70,000
Coal (B Bed Seam)	86,300	1,950 - 4,800

(Specific information provided under Geology and Reserves)

- (3) A description, including county, township if any, and boundary of the land of sufficient certainty that the mining area may be located and distinguished from other mining areas and surface coal mining operations;

Legal Description

Ac. 58.5 Qtr NW Sec 20 Twp 32S Rge 25E County Cherokee

The area consists of previously mined land as shown on the "Identification Map".

- (4) An estimate to the nearest acre of the number of acres that will compose the mining area and the proposed life of mining operation;

Acreage 58.5 Proposed Life 20 yrs.

- (5) Evidence of publication at least once a week for two consecutive weeks in a newspaper of general circulation in the county of the mining area, of a public notice of filing of a notice of exemption with the regulatory authority, where the public notice identifies the persons claiming the exemption.

To be included with the public notice of the Kansas Mined Land Conservation and Reclamation Board December meeting as per staff discussion November 19, 1986.

GEOLOGY AND RESERVES

Cherokee County Clay Company controls approximately 178 acres of clay-bearing property located in Section 20, T32S, R25E, Cherokee County. Primary highway access to the property is provided by the unpaved county road off U.S. Route 69.

The Company's reserves are divided into two project areas: previously mined and undisturbed. It is the previously mined area that has been reviewed and presented in this report. It is estimated that this area alone contains approximately 20 years of reserves.

The following table summarizes Cherokee County Clay Company's resource/reserve holdings for the previously mined project area.

<u>Mineral Resource</u>	<u>Estimated Mineral Acres</u>	<u>Estimated In-Place Resource (tons)</u>	<u>Estimated Commercial Reserves (tons)</u>
Upper Clay Seam (4.5')	58.5	908,800	605,800
Lower Clay Seam (4.0')	58.5	<u>803,000</u>	<u>501,900</u>
		1,711,800	1,107,700
"B-Bed" Coal Seam (11")	58.5	95,900	86,300

Approximately five (5) drill holes, one (1) core sample, and numerous other prospect points were utilized to determine the above resource/reserve estimates. Test borings were completed on October 22, 1986 by VanBecelaere's Drilling Service under the supervision of *Triad's* geologist. Additional prospecting was performed by Dickey Clay on September 9, 1986. It is believed that the majority of the reserves are classified as indicated, with about 15-20% estimated to be measured, although no detailed analysis has been undertaken to support this categorization.

In calculating the above resource/reserves, the following conditions and assumptions were observed:

For the Clay:

Top Seam: a tonnage factor of 3452 tons per acre-foot has been used (based on laboratory determined clay weight of 158.51 lb/cu. ft.)

Commercial reserves based on a usable thickness of 3 feet, as determined by historic operations and practices.

Bottom Seam: a tonnage factor of 3432 tons per acre-foot has been used (based on laboratory determined clay weight of 157.57 lb/cu. ft.)

Commercial reserves based on a usable thickness of 2.5 feet.

For the Coal:

A tonnage factor of 1790 tons per acre-foot has been used (based on coal weight of 82.2 lbs/cu. ft.)

Commercial reserves based on ninety (90%) percent recovery.

The coal thickness was estimated at an average of eleven (11") inches. This value was determined after a review of existing drilling. The predominant range was 10-12 inches.

Local Geology and Site Conditions

The Section 20 property is situated in the coal field area of southeastern Kansas. The area is located on the Cherokee Plain, an erosional surface that rises in slope to the west, and is characterized by low, gently rolling hills and broad flat-bottomed valleys.

Bedrock units in Section 20 are part of the Krebs Formation of the Cherokee Group, Desmoinesian Stage, Middle to Late Pennsylvanian Age. A generalized stratigraphic column has been attached. Lithologically, the formation is composed mostly of

dark-gray to black shales, some sandstones and sandy shale, coal beds, and underclays. The coals and associated underclays have been identified as the A-Bed and the B-Bed.

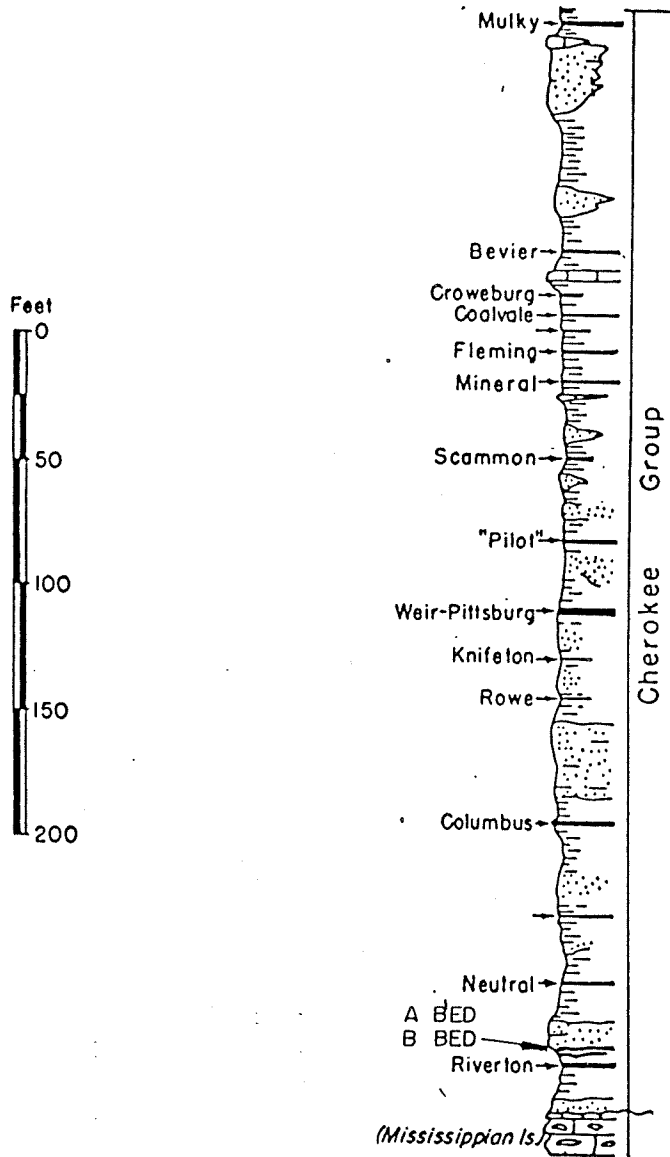
According to available literature, "*the A and B beds are from 5-12 inches thick and separated by approximately 7 feet of clay. The coal has been previously mined for local use along the outcrop in southern Crawford and Northern Cherokee counties.*"

The site currently being mined by Cherokee County Clay Company consists of approximately sixty (60) acres of land which has been previously mined for the upper A-Bed seam. It is the underclay of this upper seam which is currently being extracted for commercial use.

As shown in the attached stratigraphic column labeled "*Drill Hole CKC-1*", the area consists of approximately thirty-two (32') feet of mined spoil, followed by four and one-half (4-1/2') feet of light gray underclay, followed by two and one-half (2-1/2') feet of dark gray shaley underclay, followed by ten (10") inches of coal, followed by four (4') feet of light gray underclay, resting on three plus (3+') feet of dark shale.

Previous work by the Kansas Geological Survey has indicated that the coal seam present is the B-Bed and contains the following typical characteristics:

Btu	12,060
Sulfur	4.1% (pyritic)
Ash	15.1%
Moisture	3.3%
Volatiles	31.2%

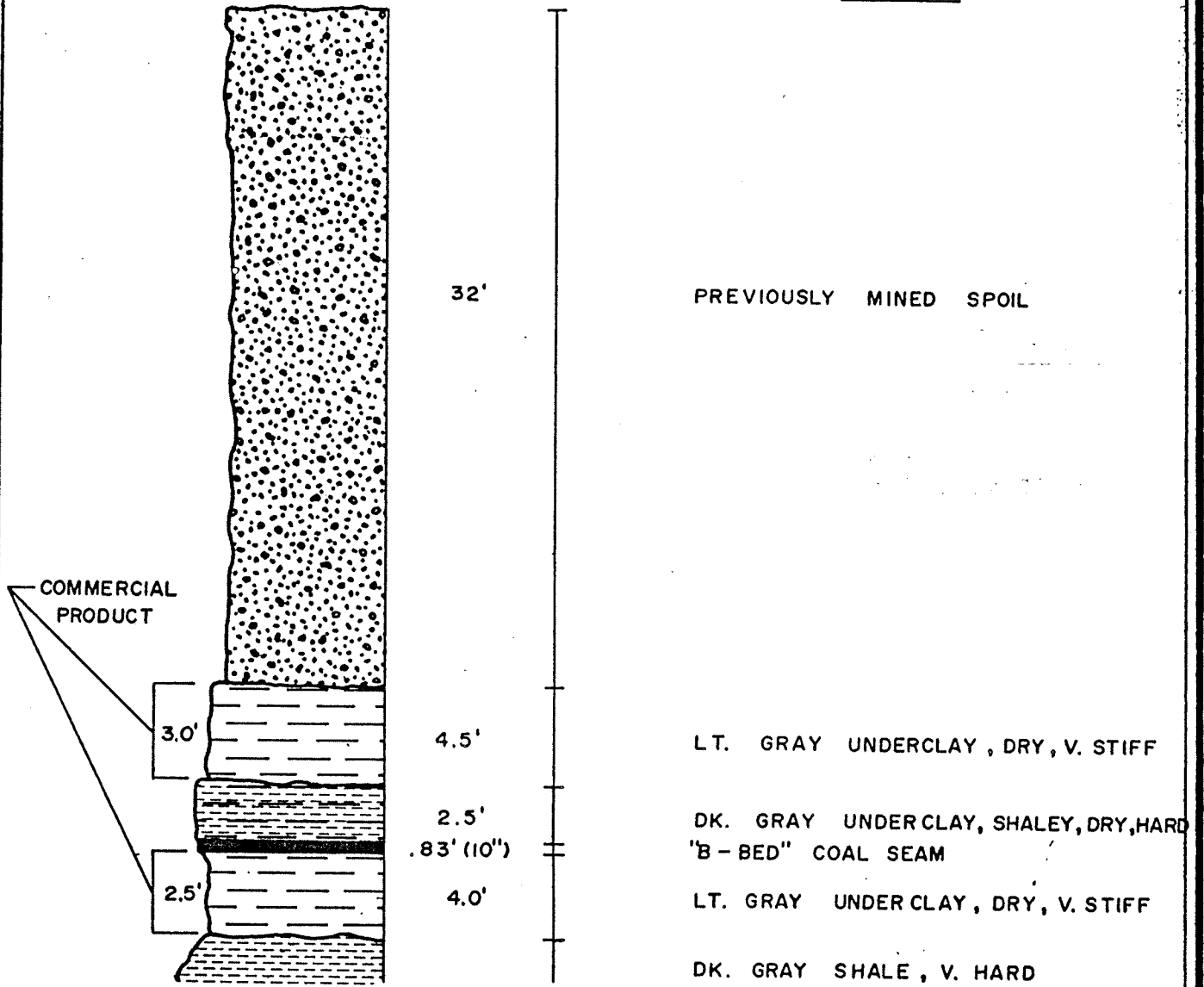


GENERALIZED GEOLOGIC COLUMN
OF CHEROKEE GROUP



THICKNESS

LITHOLOGY



COMMERCIAL
PRODUCT

3.0'

2.5'

4.5'

2.5'
.83' (10")

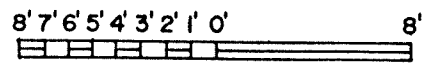
4.0'

LT. GRAY UNDERCLAY, DRY, V. STIFF

DK. GRAY UNDERCLAY, SHALEY, DRY, HARD
'B-BED" COAL SEAM

LT. GRAY UNDERCLAY, DRY, V. STIFF

DK. GRAY SHALE, V. HARD

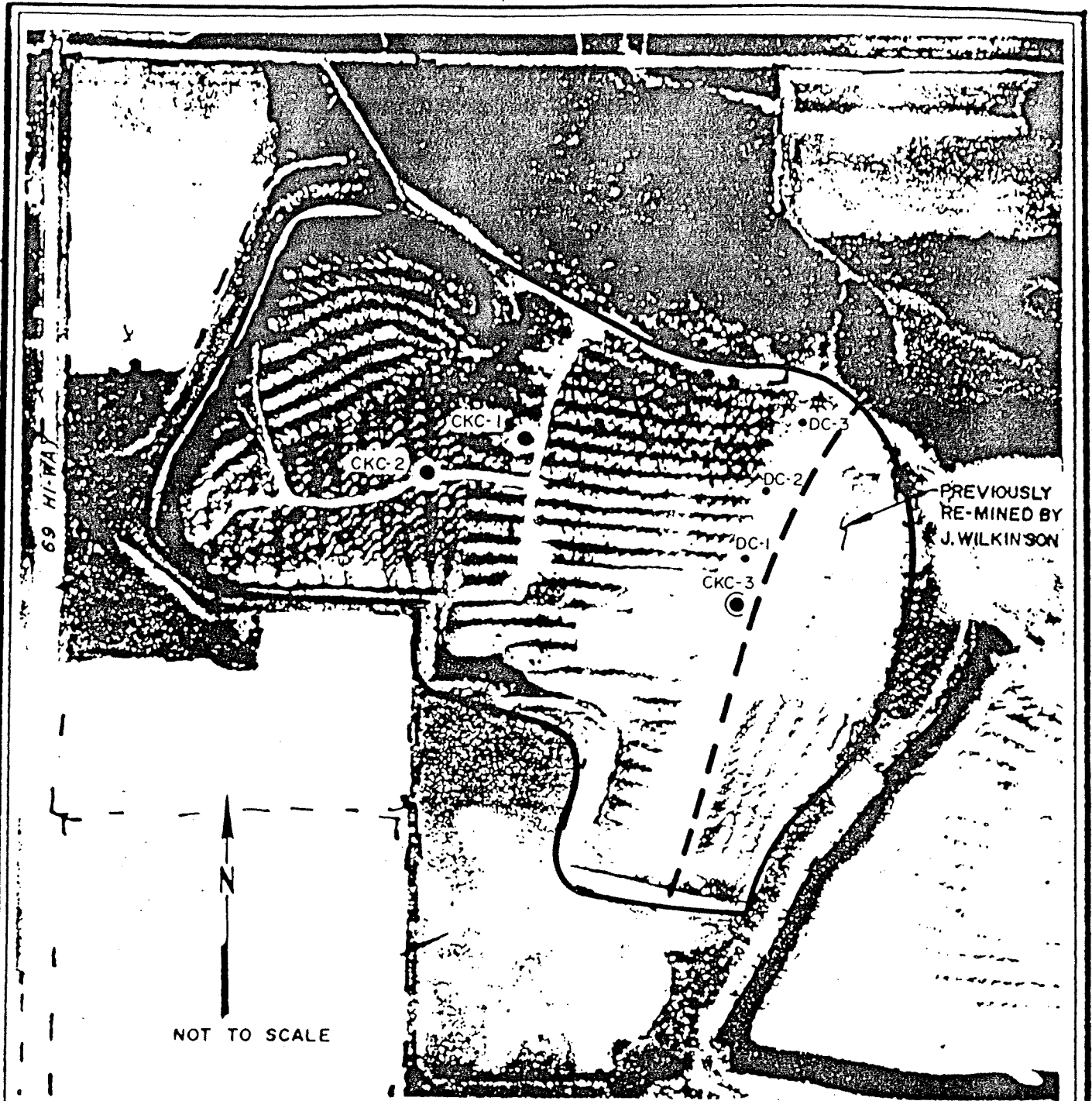


SCALE

DRILL HOLE

CKC-1





LEGEND

- DICKEY CLAY PROSPECT POINT
- EXPLORATION DRILL HOLE
- ◎ CORE SAMPLE

SECT. 20 T32 R25

CHEROKEE COUNTY
 CLAY COMPANY
 IDENTIFICATION
 MAP



REFERENCES

- 1) State Geological Survey of Kansas. Coal Reserves in Kansas, Bulletin 70, Part 1; By G.E. Abernathy, J.M. Jewett, and W.H. Schoewe. 1947.
- 2) State Geological Survey of Kansas. Geology and Coal Reserves of the Southeastern Kansas Coal Field in Crawford, Cherokee, and Labette Counties; Bulletin 24; by W.G. Rickle and W.H. Courtier, 1937.
- 3) Mark S. Hall; Minerals Prospector/Lab Manager/Dickey Clay Company (Meeting and Telephone Conference)
- 4) Larry Brady; Geologist; Kansas Geological Survey (Telephone Conference)

OPERATIONS

The clay mining operation began in early 1985, at the site of the open pit left from a previous clay mining operation (see attached *Operations Map*). The first objective was to straighten the existing "inside curve" pit, so that the property could be mined utilizing one long, straight pit. To accomplish this objective, the first two years of digging have been conducted by completing two short (900') pits. It is anticipated that one additional short pit in 1987 will be needed to straighten the long pit. Following this, the active pit will become approximately 1800' long.

Currently, the following operational procedures are being followed:

1. A dozer is used to level the spoil dumps in order to provide an operating surface for the dragline.
2. The small dragline is used to remove the overburden/spoil down to the level of the underclay.
3. A dozer is used to remove all contaminated clay materials.
4. Once cleaned, all commercially usable clay is loaded into haul trucks.

Mine Plan Details

Mine Facilities. Cherokee County Clay Company currently maintains an equipment yard and scales house to the west of the operation along Highway 69. All clay or coal leaving the mining operation will be weighed at the scales. Daily and weekly receipts are kept at the scalehouse.

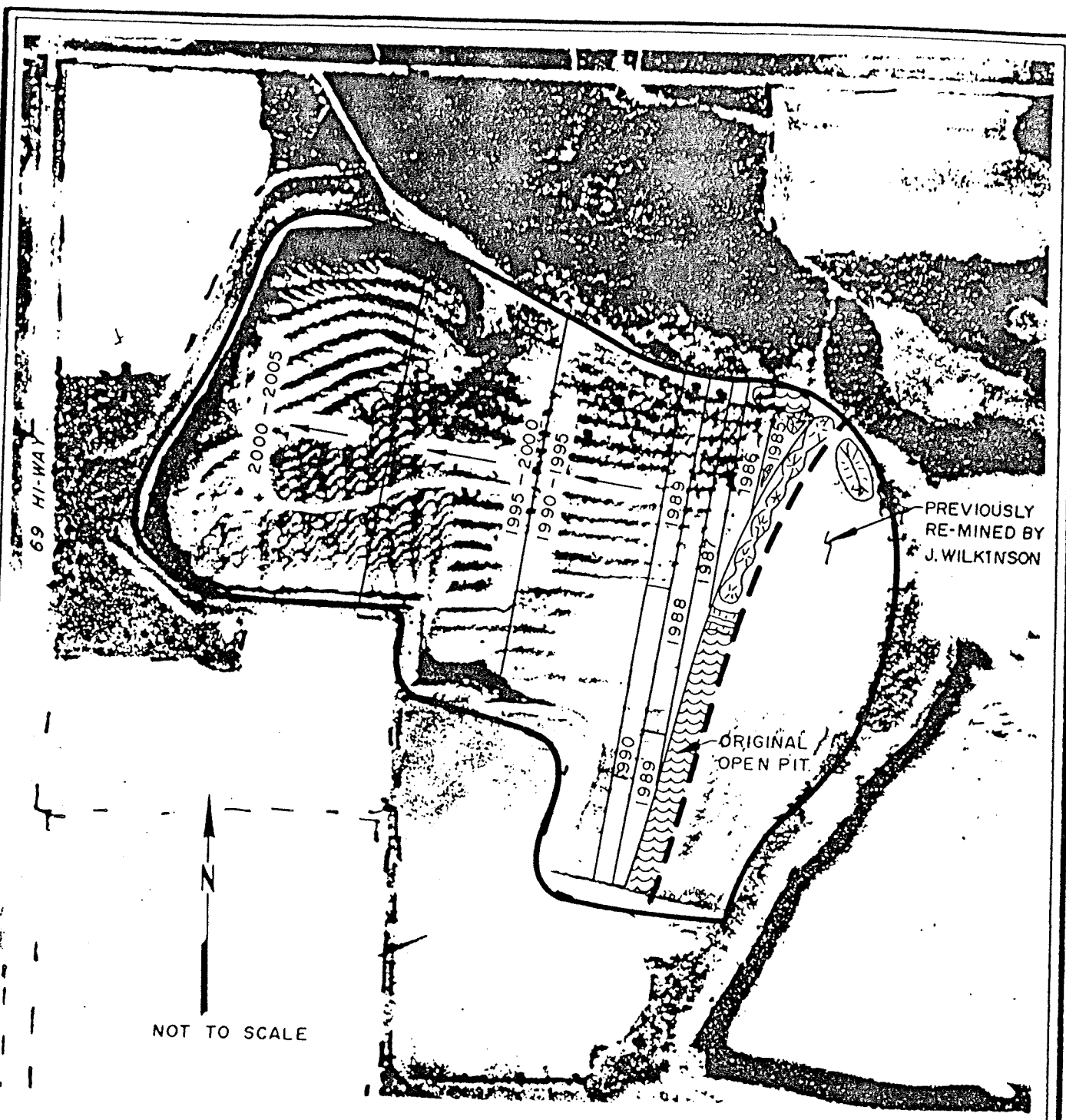
Water Control. A sump has been dug in the northeast corner of the pit as indicated on the *Operations Plan Map*. Water collected in the sump is then pumped into adjacent abandoned pits.

Approximately sixty (60) tons of coal were extracted during the construction of the sump. This coal has been stockpiled in the location shown on the map. No other coal has been extracted from this operation by Cherokee County Clay Company.

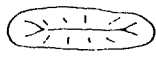

Stockpiles. A clay stockpile exists from the previous mining operation. Preliminary testing indicates that the clay is contaminated and therefore unusable. It will probably be treated as spoil material by the advancing operation.

Clay is normally loaded into haul trucks and removed from the operation, although some clay may be temporarily stockpiled to meet customer needs. Temporary stockpiling will occur on graded spoil material ahead of the active operation.

Coal will be stockpiled (if necessary) in the location shown on the *Operations Plan Map*. This area was used for stockpiling coal by the Wilkinson operation and contains an existing coal pad. Because of the small annual tonnage involved, it is anticipated that the coal will be marketed as "Custom Coal" and will not require crushing or washing facilities.



LEGEND

-  POSSIBLE COAL STOCKPILE AREA
-  SUMP AREA

SECT. 20 T32 R25

CHEROKEE COUNTY
 CLAY COMPANY
 OPERATIONS
 MAP



MARKETS/PRODUCTION

To date, Cherokee County Clay Company has sold the majority of its clay production to the Dickey Company to be used for producing clay products, with the balance sold on the spot market to local users. In addition to the Dickey Company, Cherokee County Clay Company has reached an agreement with Classic Pottery LTD., Inc. to provide a minimum of six thousand (6,000) tons of clay per annum.

Cherokee County Clay Company's high quality clay reserves meet the requirements of a broad cross-section of applications, which can be economically served from the Company's location. Negotiations are currently underway with an Oklahoma floor tile manufacturer as well as art institutions requiring slip clay for arts and crafts applications. Preliminary testing has also indicated that the clay will be suitable for the manufacturing of kitty litter and floor sweep.

Firm Commitments

Dickey Company	12,500 (+) tons per annum
Classic Pottery LTD	<u>6,000 (minimum) tons per annum</u>
	18,500 (minimum) tons per annum

Potential Markets (Bids currently submitted)

Oklahoma Floor Tile Manufacturer	(4,000 tons)
Kitty Litter Manufacturer	(1,500 tons)
Local Artists & Art Institutions	(1,000 tons)

Production

One of the objectives of this report was to compare the recoverable coal reserves with the commercial clay reserves to determine if the coal can be removed incidental to the extraction of the clay making it possible to recover the lower clay seam.

A comparison of the total reserves would indicate a ratio of 86,300 tons of coal to 1,101,700 tons of clay. In this case the coal tonnage would be 7.79% of the tonnage of minerals removed for purposes of commercial use or sale, which is considerably less than the 16-2/3% allowed under Public Law 95-87.

In order to analyze the impact that the incidental removal of coal will have, marketable tonnages have been calculated based on both historic and projected production levels.

CHEROKEE COUNTY CLAY COMPANY

Production Projections
November 1986

<u>PRODUCTION</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1990-1995</u>	<u>1995-2000</u>	<u>2000-2005</u>	<u>TOTALS</u>
ACREAGE DISTURBED	1.25	1.25	1.50	2.00	2.00	2.00	16.00	16.00	16.00	58.00
CLAY TONNAGE	8,400	12,500	25,000	30,000	35,000	45,000	300,000	330,000	330,000	1,107,500
COAL TONNAGE	0	1,950	2,400	3,000	3,000	3,000	24,300	24,300	24,300	86,250
COAL/CLAY PERCENTAGE	.00	15.60	9.60	10.00	8.57	6.67	8.10	7.36	7.36	7.79

*All values have been rounded and may not match actual reserve calculations.

DICKEY COMPANY

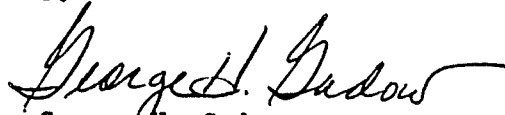
P. O. Box 6, Pittsburg, Kansas 66762

316-231-1400

November 28, 1986

To Whom It May Concern:

This is to inform you that the Dickey Company has purchased and plans to continue to purchase Under Clay, with fire clay characteristics, from the Cherokee County Clay Company (and previously from the Wilkinson Coal Company). This clay is a very important component of our blend for producing clay products and is purchased on an annual basis. The Dickey Company has used this material for over thirty years.


George H. Gadow,
Superintendent

GHG:jr



CLASSIC POTTERY LTD., INC.

November 28, 1986

Ira W. Palmer, President
Cherokee County Clay
1502 Imperial Circle
Pittsburg, Ks. 66762

Dear Mr, Palmer,

I, Lawrence Darrow, President of Classic Pottery Ltd. wish to make a declaration of obligation as of this date November 28, 1986, for a minimum purchase of 6,000 (Six Thousand) ton of clay per annum.

Sincerely,



Lawrence Darrow
President Classic Pottery LTD.

vp

702.12 CONTENTS OF NOTICE OF EXEMPTION.

(A) A notice of exemption shall include at a minimum:

- (1) The name and address of the operator;
- (2) A list of the other minerals sought to be extracted, and an estimate of the annual and total tonnages of other minerals to be extracted for commercial use or sale and coal to be produced within the mining area;
- (3) A description, including county, township if any, and boundary of the land of sufficient certainty that the mining area may be located and distinguished from other mining areas and surface coal mining operations;
- (4) An estimate to the nearest acre of the number of acres that will compose the mining area and the proposed life of mining operation;
- (5) Evidence of publication, at least once a week for two consecutive weeks in a newspaper of general circulation in the county of the mining area, of a public notice of filing of a notice of exemption with the regulatory authority, where the public notice identifies the persons claiming the exemption;
- (6) Representative stratigraphic cross-section(s) based on test borings or other information identifying and showing the relative position and approximate thickness and density of the coal and each other mineral to be extracted for commercial use or sale and the relative position and thickness of any material, not classified as other minerals, that will also be extracted during the conduct of mining activities;
- (7) A map which clearly identifies the mining area;
- (8) A general description of mining and mineral processing activities;

(9) A summary of sales commitments, if any, which the operator has received for other minerals to be extracted from the mining area or a description of potential markets for such minerals. If the other minerals are to be commercially used by the operator, the summary should specify the use;

(10) For operations having extracted coal or other minerals prior to filing a notice of exemption, a summary of the total tonnage of coal and each other mineral that has been produced from the mining area for commercial use or sale, and any relevant documents the operator has received from the Office or other regulatory authority documenting the exemption;

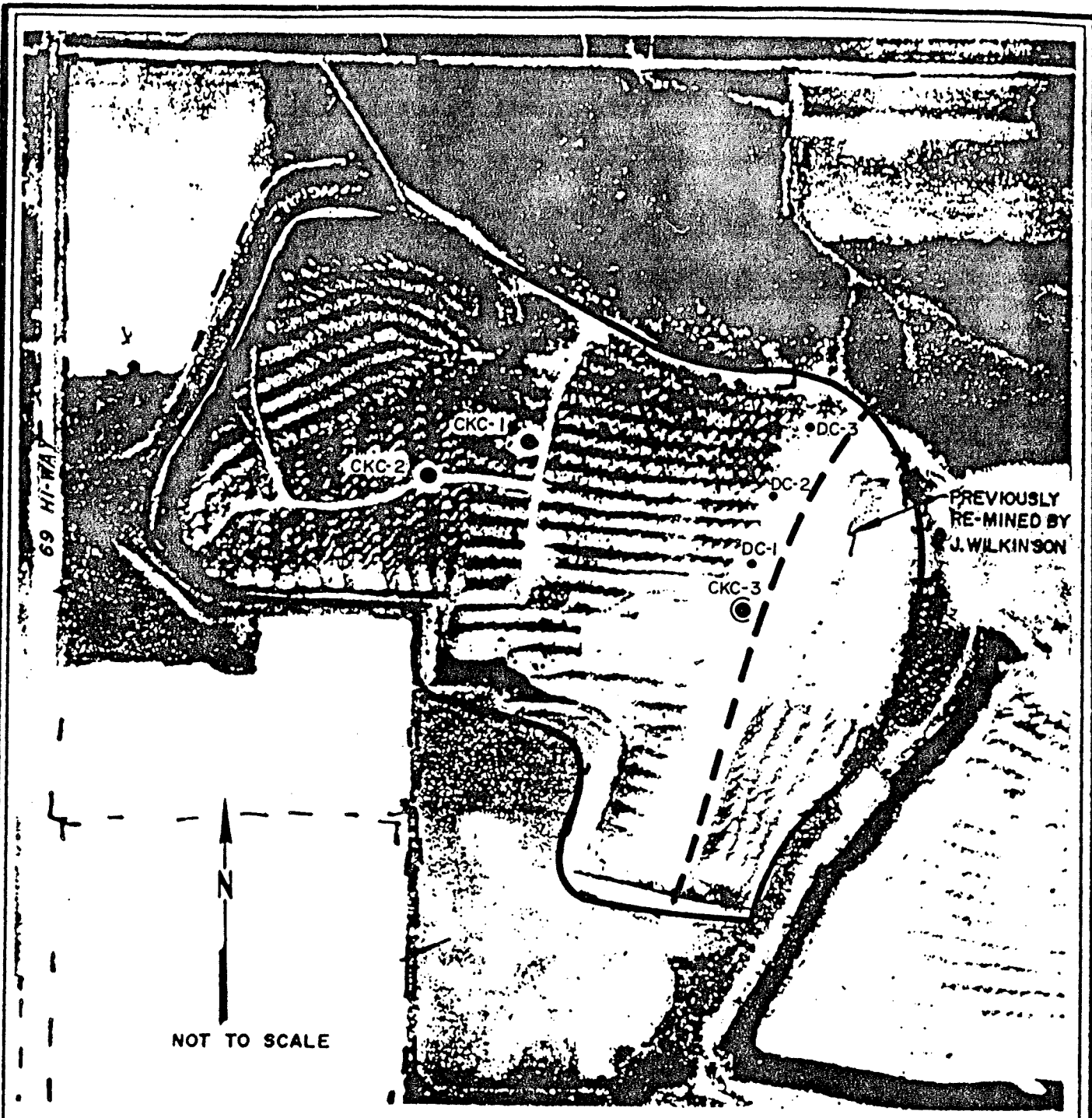
702.14 REQUIREMENTS FOR EXEMPTION.

Activities are exempt from the requirements of the Act if all of the following are satisfied:

(a) The tonnage of coal extracted from the mining area will not exceed $16 \frac{2}{3}$ percent of the total tonnage of other minerals removed for purposes of bona fide sale or reasonable commercial use over the life of the mining operations.

(b) Coal is produced from a geological stratum lying above the deepest stratum from which other minerals are extracted for purposes of bona fide sale or reasonable commercial use.

(c) Each other mineral upon which an exemption under this Part is based is a commercially valuable mineral for which a market exists or which is mined in bona fide anticipation that a market will exist for the mineral in the reasonable foreseeable future.



LEGEND

- DICKEY CLAY PROSPECT POINT
- EXPLORATION DRILL HOLE
- ◎ CORE SAMPLE

SECT. 20 T32 R25

CHEROKEE COUNTY
 CLAY COMPANY
 IDENTIFICATION
 MAP



W. LINCOLN

- #1 0-2' - GRAY - UNDERCLAY - DRY - V. STIFF
 2'-3½' BLACK - COAL - DRY - V. STIFF w/ WATER SEAM
 * 3½-7½ LT. GR - UNDERCLAY - MOIST TO DRY - V. STIFF
 7½-10' DR GR - UNW. CLAY - DRY - HARD
- #2 0'-1½' GRAY - UNDERCLAY - DRY - HARD
 1½-2½ BLACK - COAL - MOIST w/ WATER SEAM
 * 2½-7½ LT. GR - UNDERCLAY - DRY - V. STIFF
 7½-10' DR GR - UNW. CLAY - DRY - HARD
- #3 0'-2' GRAY - UNDERCLAY - DRY - HARD
 2'-3' BLACK - COAL - DRY - V. STIFF
 * 3'-6' LT. GR - UNDERCLAY - DRY - V. STIFF
 6'-10' DR GR - UNW CLAY - DRY - HARDER

LUMAN'S LABORATORIES

P.O. Box 326
Chetopa, Kansas 67336 • Telephone 316-236-7874



November 26, 1986

Triad Mining Consultants
101 East 4th Street
Pittsburg, KS 66762

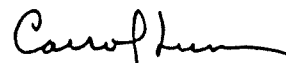
Attn: Terry Fox

Please find listed below analysis of soil sample to be run.

Bulk Density (Varsol Method)

Top Seam Clay	2.539 gm/cc
Coal Seam	1.317 gm/cc
Bottom Seam Clay	2.524 gm/cc

Respectfully,



Carrol Luman

CGL:pjp

1 gm/cm³ = 62.43 lbs/cu.ft

NOV 28 1986



State Corporation Commission

MINED LAND CONSERVATION & RECLAMATION BOARD

P.O. BOX 1418

107 W. 11th

PITTSBURG, KANSAS 66762

316-231-8540

April 16, 1986

Will Palmer
1502 Imperial Dr.
Pittsburg, Kansas 66762

Dear Mr. Palmer:

Recently you discussed with me the extraction of coal incidental to the extraction of clay in your clay mining operation and requested a determination if you would be required to follow the regulations for obtaining a coal mining permit.

Before that determination can be made, this office will need an engineering estimate of the amount of coal that will be removed and the amount, if any, that has been removed.

When such information is received in this office and further reviewed, I will notify you of the results.

If you have any questions, please give me a call.

Respectfully,

A handwritten signature in cursive script that reads "Joyce Stover".

Joyce Stover
Executive Director

sjh

cc: Dawar Saeed



State Corporation Commission

MINED LAND CONSERVATION & RECLAMATION BOARD

P.O. BOX 1418
107 W. 11th
PITTSBURG, KANSAS 66762
316-231-8540

M E M O R A N D U M

TO: Chairman Lennen
Board Members
Coal Operators
Other Interested Parties

FROM: Joyce Stover, Executive Director

DATE: November 25, 1986

SUBJECT: December Board Meeting

J.S.

The regularly scheduled meeting of the Mined Land Conservation and Reclamation Board will be held Thursday, December 11, 1986 at 9:00 a.m. at the Pittsburg Memorial Auditorium.

Matters tentatively scheduled before the Board include: Renewal of permits LB-T-HR-801 and LB-SM-802 for Oswego Coal Company, permits CR-T-401 and BB-SM-402 for Pat's Coal Company, and permit LN-HR-S-501 for P&M Coal Mining Company; Phase II bond release request by Oswego Coal on permit LB-SM-802, Inc. 3; Pat's Coal Company bond release request on permit CR-T-401 and a Phase I bond release request on permit BB-SM-402 and a total bond release request on interim permit #73, Phase I bond release on interim permit #86, Inc. 1, 2 and 3; Oswego Coal Company's request for change in operations plan on permit LB-SM-803; Alternate Fuels request for permit amendment to permit CR-SM-104; Cherokee County Clay Company's request for extraction of coal incidental to mining of clay - exemption under 16 2/3 criteria; AML project status updates; and any other business properly presented before the Board.

The meeting will be held in conformity with the provisions of the Kansas Open Meeting Act (K.S.A. 75-4317 et seq).

NOV 26 1986