EXEMPTION FOR THE EXTRACTION OF COAL INCIDENTAL TO THE EXTRACTION OF OTHER MINERALS

CORDOVA CLAY COMPANY, INC.
RICETON NO. 2 CLAY MINE
E-0054
WALKER COUNTY, ALABAMA

for

CORDOVA CLAY COMPANY, INC.
POST OFFICE BOX 100
CORDOVA, ALABAMA 35550

by

PERC ENGINEERING CO., INC.
POST OFFICE BOX 1712
JASPER, ALABAMA 35502-1712
PHONE: (205) 384-5553
FAX: (205) 295-3114

July, 2014

APPLICATION FOR EXEMPTION

(Exemption for Coal Extraction Incidental to
the Extraction of Other Minerals)

800-X-2E

UNDER THE
ALABAMA SURFACE MINING CONTROL & RECLAMATION ACT

ASMC Exemption Application No. E-0054

Section	1	Administrative Information
Section	II	Exemption Basis
Section	III	Maps and Drawings

TABLE OF CONTENTS

	Item No.	Page No.
SECTION I ADMINISTRATIVE INFORMATION		I.
Applicants Name and Address.....	1	1. .
Operator and Address.....	2	1
Mine Name/Number.....	3	1
Location.....	4	1
Consultant.....	5	1
Verification.....	6	2
Pending or Active Exemptions Contiguous to the Proposed Exempt Area.....	7	3
Additional Required Information from Operators That Have Extracted Coal or Other Minerals.....	8	3-4
Other Pertinent Information.....	9	5
Description of Mining Activities.....	10	5-7
Newspaper Notice.....	11	5
Proof of Publication.....	12	8
SECTION II EXEMPTION BASIS		II.
Geologic Information.....	13	9
Minerals Other Than Coal to be Extracted.	14	9
Annual Production of Coal and Other Minerals.....	15	10
Estimated Annual Revenue.....	16	10
Estimated Fair Market Value.....	17	10
Basis for Estimates.....	18	10-16
Sales Commitments and Markets.....	19	16
Other Minerals Used.....	20	16
SECTION III MAPS & DRAWINGS		III.
General Requirements.....	21	17

APPLICATION FOR EXEMPTION
(880-X-2E)
ALABAMA SURFACE MINING COMMISSION

SECTION I
ADMINISTRATIVE INFORMATION

GENERAL INFORMATION 880-X-2E-.05(1)

1. Applicant Name Cordova Clay Company, Inc. Phone 483-7448
Business Street Address 1091 Brick Plant Road, Cordova, AL 35550
Business Mailing Address Post Office Box 100, Cordova, AL 35550
The applicant assumes responsibility for mail delivered to the business street address and will notify ASMC of changes in this address.)
As Applicable: Social Security Number (Voluntary) _____
Employer Identification Number 63-0696939

2. Identify the operator.

Name Cordova Clay Company, Inc. Phone 483-7448
Business Street Address 1091 Brick Plant Road, Cordova, AL 35550
Business Mailing Address Post Office Box 100, Cordova, AL 35550
As Applicable: Social Security Number (Voluntary) _____
Employee Identification Number 63-0696939

880-X-2E-.05(8)

3. Mine Name/Number Riceton No. 2 Clay Mine

Location (County) Walker
Acreage to be exempted 2.4 Acres
Estimated Disturbed Acreage 2.4 Acres

880-X-2E-.05(7)

4. USGS Quadrangle (Name and Number) Cordova, AL 33087-G2-TF-024
Latitude 33°-46'-08" Longitude 87°-09'-29"
Designation of nearest intersection of two public roads: From the intersection U.S. Highway 78 East & County Road 22 (River Road), go south 3.1 miles on County Road 22 to a gravel road on the right (west). This is site entrance.
Nearest Community Cordova Major Watershed Mulberry Fork

5. Consulting firm providing data:
Firm PERC Engineering Co., Inc.
Address P.O. Box 1712 Jasper, AL 35502-1712
Person to Contact Alexander P. Henry Phone 384-5553

6. Verification

I, the undersigned operator do hereby submit this as my application for exemption from coal mining regulations and certify that the information in the application is true and correct to the best of my information and belief. This application is submitted in conformance with the rules and regulations of the Commission and it is agreed that any operations pursuant to the exemption will be conducted in accordance with those rules and regulations. I further certify that I will keep the Commission advised of and change of facts as may pertain to this exemption application.

Date: 7-17-14

Joey Beaird
Responsible Official

Vice-President
Title

STATE OF ALABAMA)
WALKER COUNTY)

Before me, the undersigned authority, personally appeared Joey Beaird who being duly sworn upon oath, deposed and said, that he has read the foregoing application, that he is the responsible official of the applicant who executed the application, that the facts and matters contained therein are true and correct to the best of his information and belief, and that he executed the same for the purposes therein expressed.

Sworn to and subscribed before me, this 17th day of July, 20 14.

Janet M. Adams
NOTARY PUBLIC

My Commission Expires: 5-21-18

7. A. Does the applicant have pending or active permits or exemptions for lands contiguous to this proposed exemption area?

(X) Yes ( ) No

If yes, provide the following information.

Application /Exemption or Permit No.	Applicant or Permittee	County	Type of Operation	Acreage
NPDES AL0047198	Cordova Clay Company, Inc.	Walker	Clay	133
DIR Permit No. 014144	Cordova Clay Company, Inc.	Walker	Clay & Shale	10

B. Has the proposed exemption area been previously permitted or exempted?

(X) Yes ( ) No

If yes, provide the following information.

Exemption or Permit No.	Permittee	County	Type of Operation	Acreage
NPDES AL0047198	Cordova Clay Company, Inc.	Walker	Clay	133
DIR Permit No. 014144	Cordova Clay Company, Inc.	Walker	Clay & Shale	10

Delineate the boundaries of the previously permitted or exemption areas of the Mining Area Map [2]. Please note that both the ADEM & DIR Permits are revolving and were renewed in March and August, respectively.

880-X-2E-.05(15)

8. All operators who have extracted coal or other minerals prior to filing an application for exemption must also submit as attachments: See Attachment I-8

A) Any relevant document(s) the operator has received from the Alabama Surface Mining Commission documenting its exemption from the requirements of the Act.

B) The cumulative production of both the coal and other minerals from the area being mined; and

C) Estimated tonnage of any stockpiled coal and other minerals.

ADEM
Alabama Department of Environmental Management

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM INDIVIDUAL PERMIT

PERMITTEE: Cordova Clay Co, Inc.
Post Office Box 100
Cordova, Alabama 35550

FACILITY LOCATION: Riceton Hill Mine
3781 River Road
Cordova, Alabama 35550
Walker County
T14S, R6W, S34
T15S, R6W, S3

PERMIT NUMBER: AL0047198

DSN	Receiving Water
004-1	Unnamed Tributary to Mulberry Fork

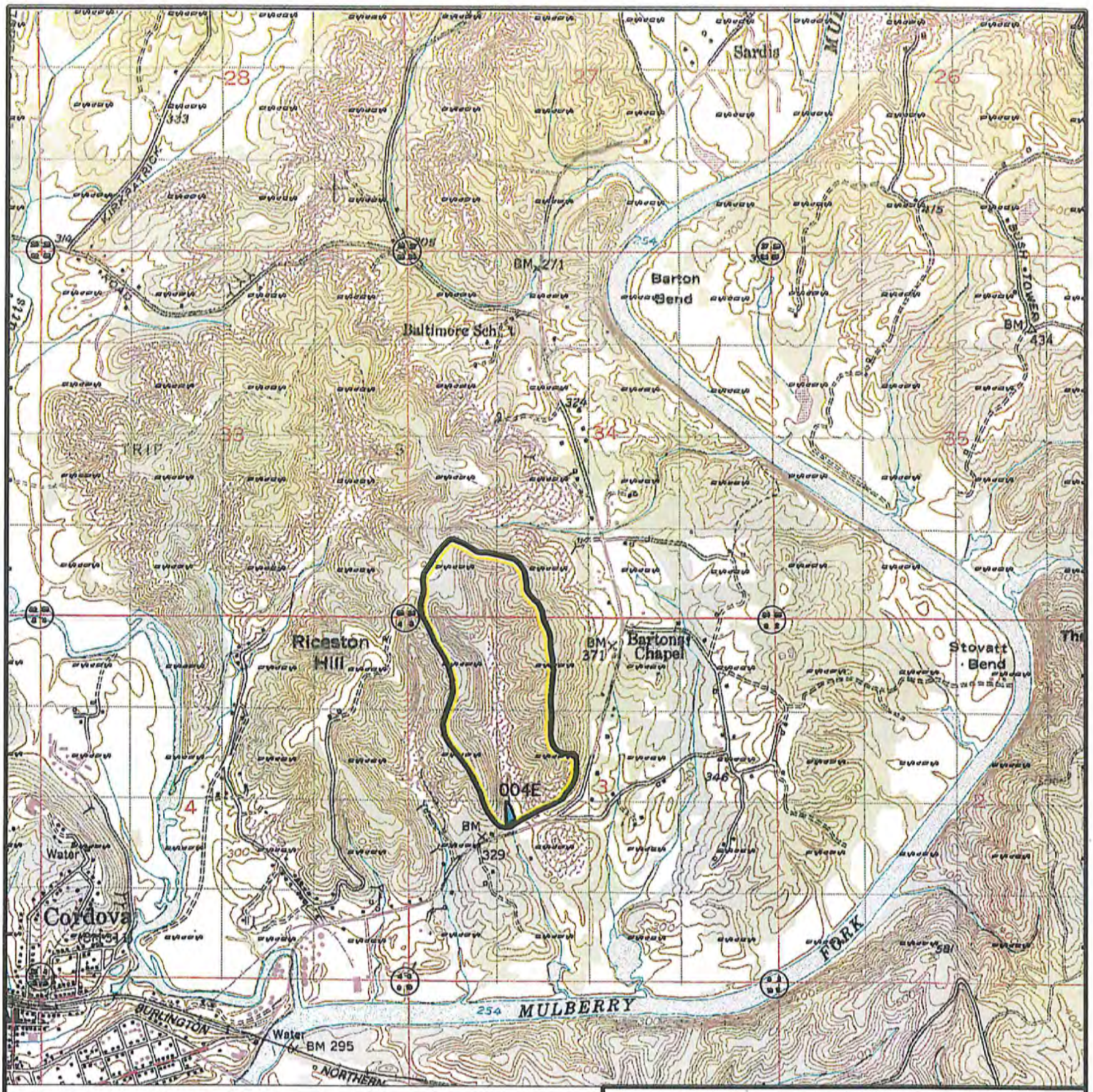
In accordance with and subject to the provisions of the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§1251-1378 (the "FWPCA"), the Alabama Water Pollution Control Act, as amended, ***Code of Alabama 1975****, §§ 22-22-1 to 22-22-14 (the "AWPCA"), the Alabama Environmental Management Act, as amended,* ***Code of Alabama 1975****, §§22-22A-1 to 22-22A-16, and rules and regulations adopted thereunder, and subject further to the terms and conditions set forth in this Permit, the Permittee is hereby authorized to discharge into the above-named receiving waters.*

ISSUANCE DATE: July 28, 2011

EFFECTIVE DATE: August 1, 2011

EXPIRATION DATE: July 31, 2016

Glenna L. Dean
Alabama Department of Environmental Management



NPDES AL0047198
ISSUANCE DATE: JULY 28, 2011
EFFECTIVE DATE: AUGUST 1, 2011
EXPIRATION DATE: JULY 31, 2016

Permit Boundary

001 Sediment Basin

Scale: 1" = 2000'

N

PERC ENGINEERING CO., INC.
1609 Highway 78 West Jasper, Alabama 35501
P.O. Box 1712 Jasper, Alabama 35502

CORDOVA CLAY CO., INC.
RICETON HILL MINE
NPDES PERMIT MAP
SEC. 34, TOWNSHIP 14 SOUTH, RANGE 6 WEST,
SEC. 3, TOWNSHIP 15 SOUTH, RANGE 6 WEST
WALKER COUNTY, ALABAMA

DRAWN BY: SAE DWG. NAME: CCIUCNPD	DATE: 7-14-14
APPROVED BY: APH	SCALE: 1"=2000'

Y:\SAE\APH\CCIUCNPD.dwg 07/14/14 13:43

Form: DIR-ASM-3
(Rev. 10/12)

STATE OF ALABAMA
DEPARTMENT OF LABOR
649 Monroe Street
Montgomery, AL 36131

Permit No. 014144

Permit Fee Paid $ 250.00

Amended Permit Fee Paid $ _____

Bonded Acres 10

Additional Acres _____

Total Acres 10

Effective Date 3/7/2014

Expiration Date 3/6/2015

File No. 64- Cordova -14

PERMIT TO ENGAGE IN SURFACE MINING OF Clay and Shale

Issued to

Cordova Clay Company, Inc., P. O. Box 100, Cordova, AL 35550

Pursuant to Sections 4, 5 & 6, Alabama Surface Mining Act of 1969, a permit is hereby granted to engage in Surface Mining in the State of Alabama at the following location:

County: Walker Section(s): 3 Township(s): 15S Range(s): 6W
SE 1/4 of NW 1/4

Access: TRAVEL WEST ON U.S. HIGHWAY 78, TURN LEFT AT LYNN'S PARK ONTO COUNTY ROAD 22. TRAVEL 2.75 MILES AND TURN RIGHT INTO SCREENING YARD. FOLLOW ACCESS ROAD TO SITE.

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in the Alabama Surface Mining Act of 1969 and such Rules and Regulations as are promulgated pursuant thereto by the Act.

Issued this 28TH day of MARCH 2014

By Thomas Surles

Commissioner, Alabama Department of Labor

A) Not Applicable

B) No coal or clay has been extracted from the proposed exemption area.

C) Coal stockpiled: 179 Tons

Clay stockpiled: 13,224 Tons

Shale stockpiled: 1,644 Tons

See the attached Cordova Clay Exemption Permit E-0051 Tonnage and Revenue Sheet (Attachment 18.1).

880-X-2E-.05(16)

9. Attach any other information pertinent to the qualification of the operation as exempt. Not Applicable

880-X-2E-.05(12)

10. A general description of mining and mineral processing activities for the mining area in a brief narrative. Discuss coal and other mineral extraction, handling, and stockpiling. Discuss equipment to be used, method of overburden removal, whether blasting will be involved, and sequence of mining events. See Attachment 10

11. Public Notice Newspaper Notice 880-X-2E-.05(9)

A. Complete the newspaper notice provided below, and place this notice in a newspaper of general circulation in the locality of the mining operations with exemption. DO NOT run the notice prior to notification by ASMC that this application is administratively complete.

****

PUBLIC NOTICE OF EXEMPTION FOR COAL EXTRACTION
INCIDENTAL TO THE EXTRACTION OF OTHER MINERALS

Cordova Clay Company, Inc., 1091 Brick Plant Road, Cordova, Alabama 35550, has submitted to the Alabama Surface Mining Commission (ASMC) an application for exemption for coal extraction incidental to the extraction of other minerals at the Riceton No. 2 Clay Mine area in the SE 1/4 of NW 1/4 of Section 3 in Township 15 South, Range 6 West, Walker County, Alabama. Access to the site by road is as follows: from the intersection U.S. Highway 78 East & County Road 22 (River Road), travel south 3.1 miles on County Road 22 to a gravel road on the right (west). This is site entrance. This is exemption application number E-0054. This application is available for public review at the Jasper Public Library during their normal hours of operation; and at the Alabama Surface Mining Commission, 1811 Second Avenue, Jasper, Alabama. For a period of 30 days following the date of publication, ASMC will accept written comments, objections, or requests for informal conferences relative to this application. Any person having an interest which is or may be adversely affected by the decision of the application may make such written comments during the public review period as specified in 880-X-2E-.04(4). Written comments are to be submitted at the Alabama Surface Mining Commission, 1811 Second Avenue, P. O. Box 2390, Jasper, Alabama 35501. In making comments, refer to the application number.

****

B. Included with this advertisement shall be a map or description that clearly shows or describes the precise location and boundaries of the proposed exemption area and is sufficient to enable local residents to readily identify the area. This public notice will be published in the DAILY MOUNTAIN EAGLE newspaper of Jasper, Alabama.

CORDOVA CLAY COMPANY, INC.
RICETON NO. 2 CLAY MINE
ASMC EXEMPTION APPLICATION
ATTACHMENT 10.

The area to be exempted under this application consists of approximately 2.4 acres. Part of the exemption area has been underground mined (Boyce Mining Co., 1922. See the attached Underground Workings Map). Traditional room and pillar mining results in a recovery rate of approximately 55%, leaving approximately 45% of coal in place. We estimate 70% recovery of the Mary Lee Seam, resulting in an estimated recovery rate of 31.5%. This recovery rate for 2.4 acres of the exemption area will be utilized for the Mary Lee Seam in the exemption area.

The area mining method of surface mining will be utilized to mine this exemption request area. The sequence of mining will generally be to construct sediment control facilities, clear and grub, remove overburden, remove remove coal (where present), remove clay, regrade and revegetate. This sequence will be repeated until reaching the property boundary or reserve limits with the exception of the construction of sediment control facilities and regrading and revegetation. Blasting will take place at this facility on an as needed basis. Sediment control facilities will be constructed for a watershed area initially and this phase will not be required to be repeated until just prior to entering a new watershed. Mobile equipment will be used to remove the existing overburden and the clay seam which lies immediately below the Mary Lee coal seam. Spoil and overburden material will be placed within the previously mined areas within the exemption area and within subsequent open pits as mining operations progress. The mobile equipment will remove the clay to stockpiles where it will be stored until it is shipped to the various end users. When the Mary Lee coal seam is encountered, the mobile equipment will remove the coal, if it is of a marketable quality, and place the coal in stockpiles until it is shipped offsite to the various end users. If the coal is determined to be an unmarketable product, it will be treated as spoil and placed within the spoil area. The spoiled coal will be placed a minimum of 10 feet vertically above the pit floor of the

Mary Lee seam to be mined, and 4 feet below the final reclaimed surface of the mined area. None of this material will be placed within 100 feet of a drainage course or 30 feet of a final mining highwall. This is done to prevent the contamination of surface water and groundwater. Regrading will commence immediately upon adequate advancement of the active mine area to allow regrading without the newly regraded area being reaffected by the spoil of the active cut. Likewise, revegetation will be performed based on the progression of the regrading efforts and the timing of suggested planting seasons for the vegetation species being used. It may be necessary to stockpile the clay and coal on site until it can be shipped to market. Stockpile locations are shown on the Mine Area Map accompanying this application. The clay and coal will be sold "mine run" and no mineral processing activities are proposed for this operation.

General major items of equipment to be used in the mining and reclamation process is comprised of mobile equipment including (2) 560-B front end loaders, (1) 80-B front end loader, a D9-H bulldozer, (2) 350B rock trucks, a service truck and a mechanic truck.

12. Proof of Publication 880-X-2E-.05(9)

Submit to the ASMC, under separate cover, no later than 4 weeks after the date of publication, a copy of the newspaper advertisement of the application and a notarized affidavit of publication for the publication date.

Notarized Proof of Publication forthcoming.

PUBLIC NOTICE OF EXEMPTION FOR COAL EXTRACTION INCIDENTAL TO THE EXTRACTION OF OTHER MINERALS

Cordova Clay Company, Inc., 1091 Brick Plant Road, Cordova, Alabama 35550, has submitted to the Alabama Surface Mining Commission (ASMC) an application for exemption for coal extraction incidental to the extraction of other minerals at the Riceton Clay Mine area in the SE 1/4 of NW 1/4 of Section 3 in Township 15 South, Range 6 West, Walker County, Alabama. Access to the site by road is as follows: from the intersection U.S. Highway 78 East & County Road 22 (River Road), travel south 3.1 miles on County Road 22 to a gravel road on the right (west). This is site entrance. This is exemption application number E-0054. A copy of the permit application is available for public inspection at the Alabama Surface Mining Commission website: http://surface-mining.alabama.gov/PermitApplications.html

Written comments, objections, or requests for informal conferences should be submitted to the Alabama Surface Mining Commission, P.O. Box 2390, Jasper, Alabama 35502-2390, within 30 days from the last publication of this notice. Any person having an interest which is or may be adversely affected by the decision of the application may make such written comments during the public review period as specified in 880-X-2E-.04(4). Written comments are to be submitted at the Alabama Surface Mining Commission, 1811 Second Avenue, P.O. Box 2390, Jasper, Alabama 35501. In making comments, please refer to the application number.

*July 29, 2014

SECTION II

EXEMPTION BASIS

880-X-2E-.05(10)

13. Geologic Information - The logs, cross sections, and maps, must be based on the geology of the proposed exempted area, down to and including the stratum immediately below the lowest coal seam of other mineral to be mined.

a. Provide stratigraphic cross section(s) based on test boring(s) or other information, showing for both coal and other minerals.

- o Relative position,
- o Approximate thickness
- o Density(ies) of coal(s)
- o Density(ies) of other minerals

Bulk Densities/Unit Weights for Clay and Coal were taken from the following sources:

Clay	168 pcf (PERC Engineering Co., Inc.)
Mary Lee Coal	85.44pcf(PERC Engineering Co., Inc.)

b. On same cross section(s), provide the relative position and thickness of any material, not classified as other minerals (overburden or spoil), that will also be extracted during the conduct of mining activities.

See attached Generalized Fence Diagram A-A'.

c. Attach copies of test boring logs and other information.

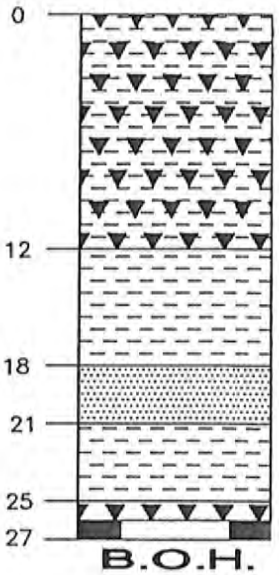
d. Identify on the Mining Area Map the location of the test boring(s).

14. List the minerals sought to be extracted other than coal in the exempted mining area.

Clay _____ _____

_____ _____

_____ _____



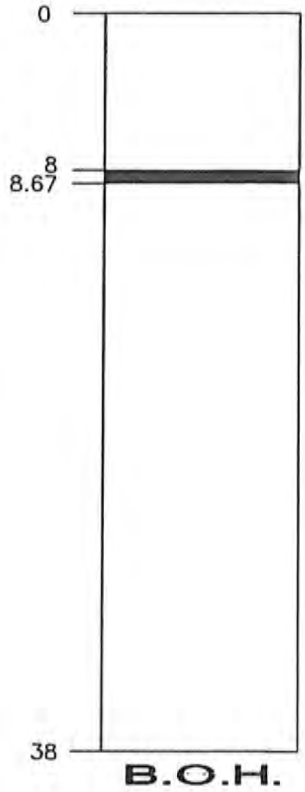
INTERVAL:	DESCRIPTION:
0 – 12'	SHALE, weathered, with CLAY lenses
12' – 18'	SHALE, slightly weathered
18' – 21'	SANDSTONE, very fine grained
21' – 25'	SHALE
25' – 26'	CLAY, soft (mud slip)
26' – 27'	OLD WORKS (MARY LEE SEAM)

NOTE:
DRILL: CHICAGO PNEUMATIC 650 SS
6–3/4" DRILL BIT
SURFACE ELEVATION: ±355.0 ft. M.S.L.

PERC ENGINEERING CO., INC.

CORDOVA CLAY COMPANY, INC.
RICETON CLAY MINE
WALKER COUNTY
DH-1

DRAWN BY: K.E.S. DWG. NAME: CCRCDH–1	DATE: 6/12/09
APPROVED BY: A.P.H.	SCALE: 1" = 10' vertical



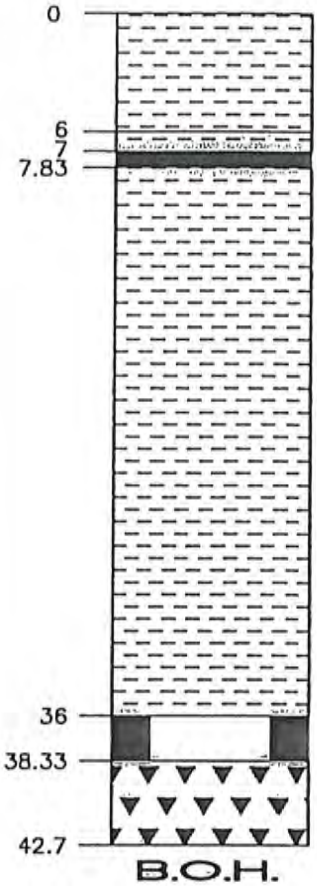
INTERVAL:	DESCRIPTION:
0 – 8'	NO SAMPLE
8' – 8.67'	NEW CASTLE COAL SEAM
8.67' – 38'	NO SAMPLE
38' –	OLD WORKS (MARY LEE SEAM)

NOTE:
DRILL: CHICAGO PNEUMATIC 650 SS
6-3/4" DRILL BIT
SURFACE ELEVATION: ±361.0 ft. M.S.L.

PERC ENGINEERING CO., INC.

CORDOVA CLAY COMPANY, INC.
RICETON CLAY MINE
WALKER COUNTY
DH-2

DRAWN BY: K.E.S. DWG. NAME: CCRCDH-2	DATE: 5/27/09
APPROVED BY: A.P.H.	SCALE: 1" = 10' vertical



INTERVAL:	DESCRIPTION:
0 – 6'	SHALE (weathered) marketable interval
6 – 7'	SHALE
7' – 7.83'	NEW CASTLE COAL SEAM
7.83' – 36'	SHALE (mud slip @ 26 to 27')
36' – 38.33'	OLD WORKS (MARY LEE)
38.33' – 42.7'	UNDER CLAY

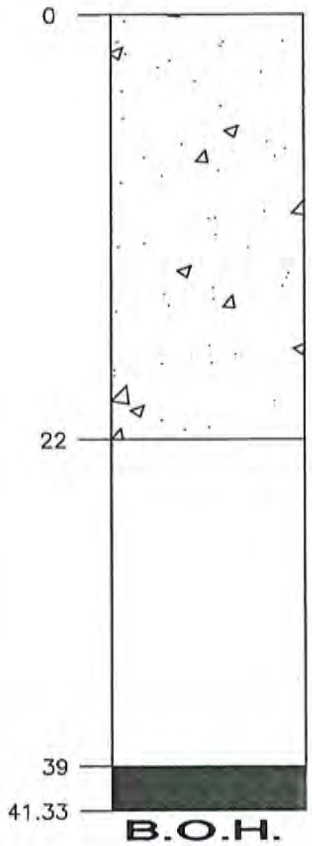
NOTE:
DRILL: CHICAGO PNEUMATIC 650 SS
6-3/4" DRILL BIT
SURFACE ELEVATION: ±365.0 ft. M.S.L.

PERC ENGINEERING CO., INC.

CORDOVA CLAY COMPANY, INC.
RICETON CLAY MINE
WALKER COUNTY
DH-3

DRAWN BY: C.M.O. DWG. NAME: CCRCDH-3	DATE: 11-9-11
APPROVED BY: A.P.H.	SCALE: 1" = 10' vertical

Y:\CAD\APH\CCRCDH-3.dwg 11/09/11 13:59



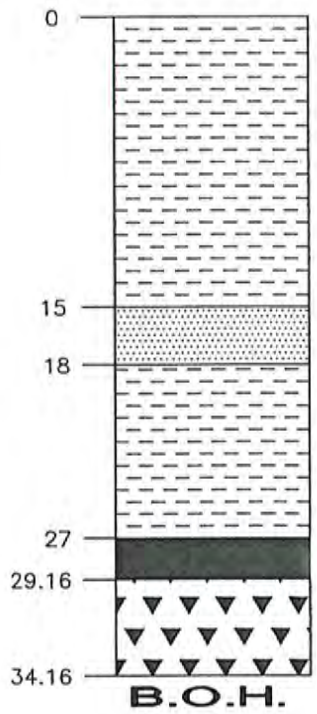
INTERVAL:	DESCRIPTION:
0 – 22'	SPOIL
22' – 39'	No Sample
39' – 41.33'	COAL (MARY LEE SEAM)

NOTE:
DRILL: CHICAGO PNEUMATIC 650 SS
6 3/4" DRILL BIT
SURFACE ELEVATION: ±372.0 ft. M.S.L.

PERC ENGINEERING CO., INC.

CORDOVA CLAY COMPANY, INC.
RICETON CLAY MINE
WALKER COUNTY
DH-4

DRAWN BY: K.E.S. DWG. NAME: CCRCDH-4	DATE: 6/12/09
APPROVED BY: A.P.H.	SCALE: 1" = 10' vertical



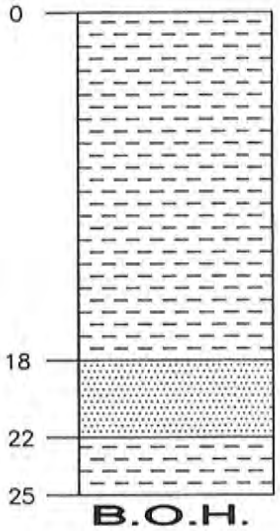
INTERVAL:	DESCRIPTION:
0 – 15'	SHALE
15' – 18'	SANDSTONE, very fine grained
18' – 27'	SHALE
27' – 29.16'	COAL (MARY LEE SEAM)
29.16' – 34.16'	UNDER CLAY

NOTE:
DRILL: CHICAGO PNEUMATIC 650 SS
6 3/4" DRILL BIT
SURFACE ELEVATION: ±359.0 ft. M.S.L.
DRILLED FROM NEW CASTLE BENCH

PERC ENGINEERING CO., INC.

CORDOVA CLAY COMPANY, INC.
RICETON CLAY MINE
WALKER COUNTY
DH-5

DRAWN BY:	K.E.S.	DATE:	5/27/09
DWG. NAME:	CCRCDH-5		
APPROVED BY:	A.P.H.	SCALE:	1" = 10' vertical



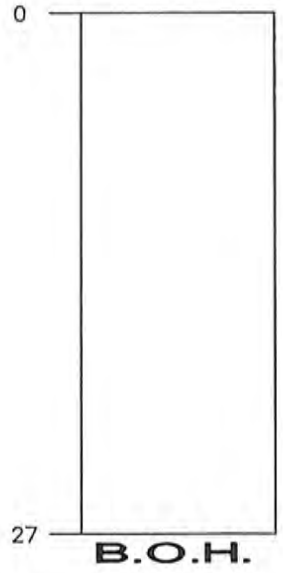
INTERVAL:	DESCRIPTION:
0 – 18′	SHALE
18′ – 22′	SANDSTONE, very fine grained
22′ – 25′	SHALE
25′ –	OLD WORKS (MARY LEE SEAM)

NOTE:
DRILL: CHICAGO PNEUMATIC 650 SS
6 3/4" DRILL BIT
SURFACE ELEVATION: ±360.0 ft. M.S.L.

PERC ENGINEERING CO., INC.

CORDOVA CLAY COMPANY, INC.
RICETON CLAY MINE
WALKER COUNTY
DH-7

DRAWN BY: K.E.S. DWG. NAME: CCRCDH–7	DATE: 6/12/09
APPROVED BY: A.P.H.	SCALE: 1" = 10' vertical



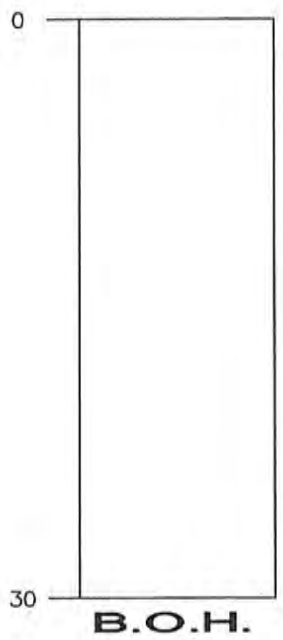
INTERVAL:	DESCRIPTION:
0 – 27'	NO SAMPLE
27' –	OLD WORKS (MARY LEE SEAM)

NOTE:
DRILL: CHICAGO PNEUMATIC 650 SS
6 3/4" DRILL BIT
SURFACE ELEVATION: ±361.0 ft. M.S.L.

PERC ENGINEERING CO., INC.

CORDOVA CLAY COMPANY, INC.
RICETON CLAY MINE
WALKER COUNTY
DH-8

DRAWN BY: K.E.S. DWG. NAME: CCRCDH–8	DATE: 5/27/09
APPROVED BY: A.P.H.	SCALE: 1" = 10' vertical



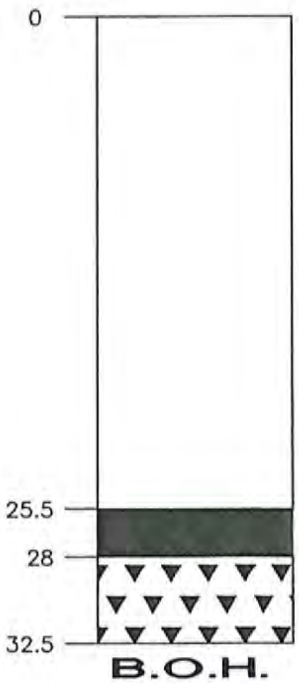
INTERVAL:	DESCRIPTION:
0 – 30'	NO SAMPLE
30' –	OLD WORKS (MARY LEE SEAM)

NOTE:
DRILL: CHICAGO PNEUMATIC 650 SS
6 3/4" DRILL BIT
SURFACE ELEVATION: ~~1364.0~~ 378 ft. M.S.L.

PERC ENGINEERING CO., INC.

CORDOVA CLAY COMPANY, INC.
RICETON CLAY MINE
WALKER COUNTY
DH-9

DRAWN BY: K.E.S. DWG. NAME: CCRCDH-9	DATE: 5/27/09
APPROVED BY: A.P.H.	SCALE: 1" = 10' vertical



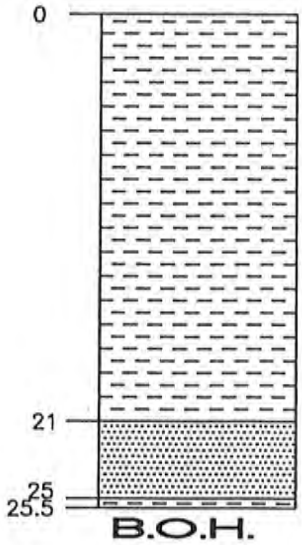
INTERVAL:	DESCRIPTION:
0 – 25.5'	NO SAMPLE
25.5' – 28'	COAL (MARY LEE SEAM)
28' – 32.5'	UNDER CLAY

NOTE:
DRILL: CHICAGO PNEUMATIC 650 SS
6 3/4" DRILL BIT
SURFACE ELEVATION: ±378.0 ft. M.S.L.

PERC ENGINEERING CO., INC.

CORDOVA CLAY COMPANY, INC.
RICETON CLAY MINE
WALKER COUNTY
DH-10

DRAWN BY:	K.E.S.	DATE:	5/27/09
DWG. NAME:	CCRCDH-10		
APPROVED BY:	A.P.H.	SCALE:	1" = 10' vertical



INTERVAL:	DESCRIPTION:
0 – 21'	SHALE (weathered from surface to 6')
21' – 25'	SANDSTONE
25' – 25.5'	SHALE
25.5' –	OLD WORKS (MARY LEE SEAM)

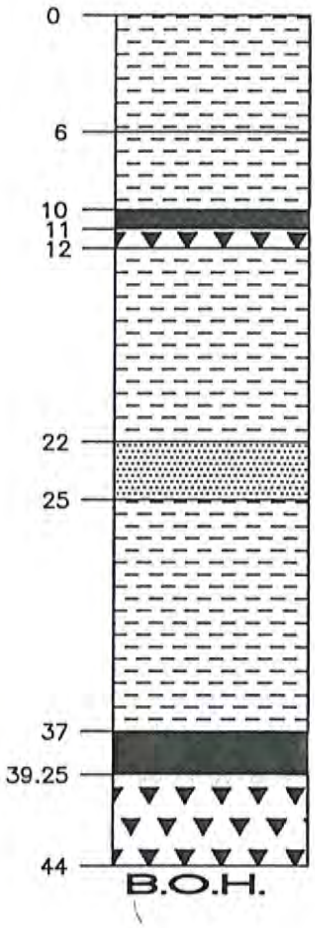
NOTE:
DRILL: CHICAGO PNEUMATIC 650 SS
6 3/4" DRILL BIT
SURFACE ELEVATION: ±378.0 ft. M.S.L.
10' OFFSET FROM DRILL HOLE DH–10

PERC ENGINEERING CO., INC.

CORDOVA CLAY COMPANY, INC.
RICETON CLAY MINE
WALKER COUNTY
DH-10A

DRAWN BY:	C.M.O.	DATE:	11–9–11
DWG. NAME:	CCRCDH–10A		
APPROVED BY:	A.P.H.	SCALE:	1" = 10' vertical

Y:\CAD\APH\CCRCDH-10A.dwg 11/10/11 06:54



INTERVAL:	DESCRIPTION:
0 – 6'	SHALE (weathered) marketable interval
6 – 10'	SHALE
10' – 11'	COAL (NEW CASTLE SEAM)
11' – 12'	CLAY & SHALE
12' – 22'	SHALE
22' – 25'	SANDSTONE
25' – 37'	SHALE
37' – 39.25'	COAL (MARY LEE SEAM)
39.25' – 44'	UNDER CLAY

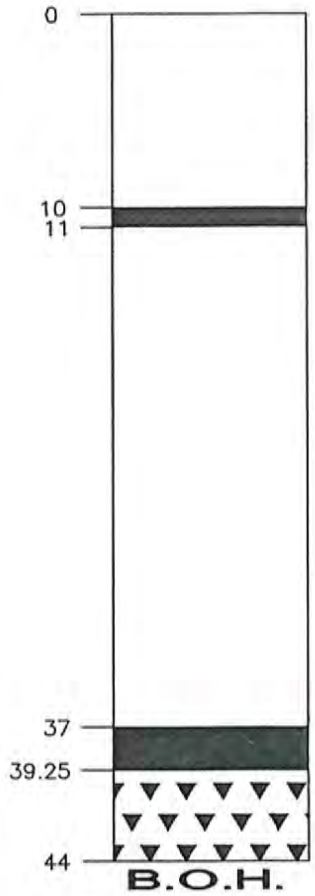
NOTE:
DRILL: CHICAGO PNEUMATIC 650 SS
6 3/4" DRILL BIT
SURFACE ELEVATION: ±374.0 ft. M.S.L.

PERC ENGINEERING CO., INC.

CORDOVA CLAY COMPANY, INC.
RICETON CLAY MINE
WALKER COUNTY
DH-11

DRAWN BY: C.M.O. DWG. NAME: CCRCDH-11	DATE: 11-9-11
APPROVED BY: A.P.H.	SCALE: 1" = 10' vertical

T:\CAD\APH\CCRCDH-11.dwg 11/09/11 15:02



INTERVAL:	DESCRIPTION:
0 – 10'	NO SAMPLE
10' – 11'	COAL (NEW CASTLE SEAM)
11' – 37'	NO SAMPLE
37' – 39.25'	COAL (MARY LEE SEAM)
39.25' – 44'	UNDER CLAY

NOTE:
DRILL: CHICAGO PNEUMATIC 650 SS
6 3/4" DRILL BIT
SURFACE ELEVATION: ±382.0 ft. M.S.L.

PERC ENGINEERING CO., INC.

CORDOVA CLAY COMPANY, INC.
RICETON CLAY MINE
WALKER COUNTY
DH-12

DRAWN BY: K.E.S. DWG. NAME: CCRCDH-12	DATE: 5/27/09
APPROVED BY: A.P.H.	SCALE: 1" = 10' vertical

Company:	Cordova Clay
Mine:	Riceton Hill
Date:	5/27/2009
Technician:	Jerry Key

Drill Hole # 1

27' to old works
No coal
N 33 46 02.6
W087 09 25.5

Drill Hole # 2

8" of new castle @ 8'
Hard cuttings @ 38'
Appeared that mine roof had settled to the floor
N 33 46 03.7
W087 09 27.0

Drill Hole # 3

10" of new castle @ 7'
Old works @ 34'
N 33 46 05.0
W087 09 26.9

Drill Hole # 4

22' of spoil
No new castle
28" of mary lee @ 39'
N 33 46 06.2
W087 09 26.5

Drill Hole # 5

New castle already mined
26" of mary lee @ 27'
60" of clay under mary lee seam
N 33 46 08.3
W087 09 27.9

Drill Hole # 6

26' to old works
No coal
N 33 46 08.8
W087 09 28.7

Company:	Cordova Clay
Mine:	Riceton Hill
Date:	5/27/2009
Technician:	Jerry Key

Drill Hole # 7

25' to old works
No coal
N 33 46 10.0
W087 09 29.4

Drill Hole # 8

27' to old works
No coal
N 33 46 11.2
W087 09 29.4

Drill Hole # 9

30' to old works
No coal
N 33 46 16.8
W087 09 31.1

Drill Hole # 10

No new castle
30" of mary lee @ 25.5'
54" of clay under mary lee seam
N 33 46 15.8
W087 09 30.8

Drill Hole # 11

11" of new castle @ 9'
28" of mary lee @ 37'
57" of clay under mary lee seam
N 33 46 13.8
W087 09 28.4

Drill Hole # 12

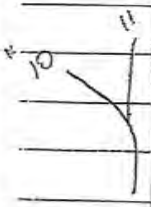
12" of new castle @ 10'
27" of mary lee @ 37'
57" of clay under mary lee seam
N 33 46 14.4
W087 09 29.6

6-12-09 ~~Beach Mining~~ Corova Clay ASH
P. Clay Picton Park

Chicago Pneumatic 650 SS DRILLER: Jon Bland
6 3/4" ø

DH13 (D1) 041	33°46.046	0-12	weath. SH/clay
	87°09.428	12-18	lgr. less weath
S.E. 355		18-21	gray SS, vfg
D1, D13	DH-1	21-25	Shale
		25-26	med Sift sd clay
		27	OLD WORKS

DH14 042	33 46.082	0-6	weath sh
D3	87 09.448	6-7	Shale
		7-7.83'	Hard Coal (10.5")
	DH-3	7.83-26	SH
		26.27	med slip
D3, D14		27-36	Shale
S.E. 365		36 =	OLD WORKS
		(28')	very LEL OLD WORKS
		52"	Below OLD WORKS IS
			Clay
			No Cutaways Blowing



DH-2 → S.E. 361
DH 4 → 372
DH 6 → 359

DH8 → 361
DH 9 → ~~364~~ 378
DH 12 382

DH-15 (D-5) 043	33°46.135'	0-15	SH
	87°09.478	15-18	SS vfg
	Drawing from	18-27	SH
	New Cable Board	OLD WORKS	
D5, D15	DH-5 DH-5A	5' OFFSET FROM D-5 (DH-5A)	
S.E. 359			

DH 16	33°46.132'	0-18	SH
D-7	87°09.473	18-22	SS
044	S.E. 360	22-25	SH
D7, D16	DH-7	25 OLD WORKS	
		AIR LOSS	

(DH-10A) D17 (D-10) (045)	33°46.173'	0-6	weath SH
	87°09.497'	6-21	Gray SH
	10 feet South of D-10	21-25	SS
		25-25.6	SH
D10, D17	S.E. 378	25.5 OLD WORKS	HARD
	DH-10 DH-10A		

D-18	33°46.175'	0-6	weath SH
~~(w/ Cable DH-15)~~	87°09.497	6-10'	SH
(046)		10-11	Hard Coal
	DH-11	11-12	Clay/SH
D11, D46		12-22	SH
		22-25	SS
S.E. 374		25-37'	SH
		37'+28"	- very LES
		+ 53"	Clay

PERC
ENGINEERING CO., INC.

Telephone: (205) 384-5553
Facsimile: (205) 295-3114 - Main Buildir
(205) 295-3115 - Water Lab
Web Address: www.percengineering.com

SPECIFIC GRAVITY

COMPANY: Cordova Clay
LOCATION: Riceton Clay Mine

DATE TAKEN: 10/20/2011
DATE ANALYZED: 10/24/2011
ANALYZED BY: JRK

LAB ID	MATERIAL TYPE	SPECIFIC GRAVITY	POUNDS PER CUBIC FOOT
7902	Mary Lee Clay	2.705	168.26

TESTING DONE ACCORDING TO ASTM STANDARDS.

P.O. Box 1712 • Jasper, Alabama 35502 • 1606 Highway 78 West • Jasper, Alabama 35501

PERC
ENGINEERING CO., INC.

Telephone: (205) 384-5553
Facsimile: (205) 295-3114 - Main Building
(205) 295-3115 - Water Lab
Web Address: www.percengineering.com

SPECIFIC GRAVITY

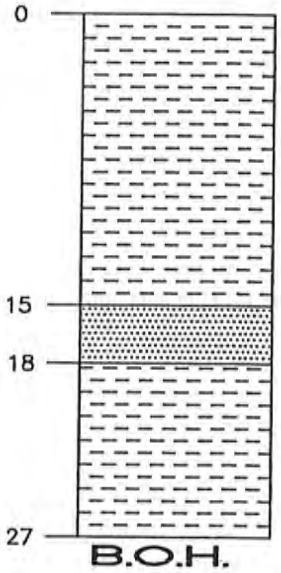
COMPANY: Cordova Clay
LOCATION: Riceton Clay Mine

DATE TAKEN: 6/14/2011
DATE ANALYZED: 7/14/2011
ANALYZED BY: JOHNNY COLLIER

LAB ID	MATERIAL TYPE	SPECIFIC GRAVITY	POUNDS PER CUBIC FOOT
7826	Mary Lee	1.374	85.44

TESTING DONE ACCORDING TO ASTM STANDARDS.

P.O. Box 1712 • Jasper, Alabama 35502 • 1606 Highway 78 West • Jasper, Alabama 35501



INTERVAL:	DESCRIPTION:
0 – 15'	SHALE
15' – 18'	SANDSTONE, very fine grained
18' – 27'	SHALE
27' –	OLD WORKS (MARY LEE SEAM)

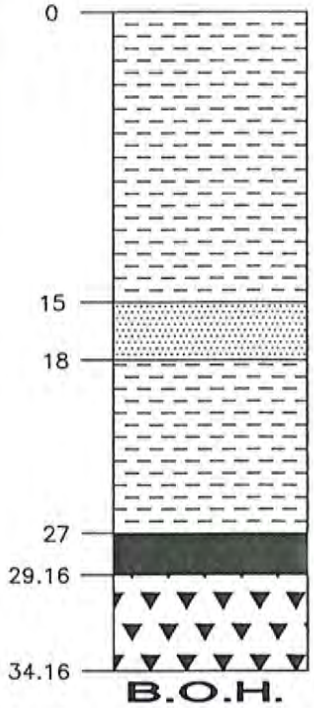
NOTE:
DRILL: CHICAGO PNEUMATIC 650 SS
6 3/4" DRILL BIT
SURFACE ELEVATION: ±359.0 ft. M.S.L.
DRILLED FROM NEW CASTLE BENCH
5' OFFSET FROM DRILLHOLE DH-5

PERC ENGINEERING CO., INC.
1904 Highway 78 West Jasper, Alabama 35501
P.O. Box 1712 Jasper, Alabama 35502
(205) 384-3553 Office (205) 384-6481 fax

CORDOVA CLAY COMPANY, INC.
RICETON CLAY MINE
WALKER COUNTY
DH-5A

DRAWN BY:	C.M.O.	DATE:	11-9-11
DWG. NAME:	CCRCDH-5A		
APPROVED BY:	A.P.H.	SCALE:	1" = 10' vertical

X:\CAD\APH\CCRCDH-5A.dwg 11/10/11 06:51



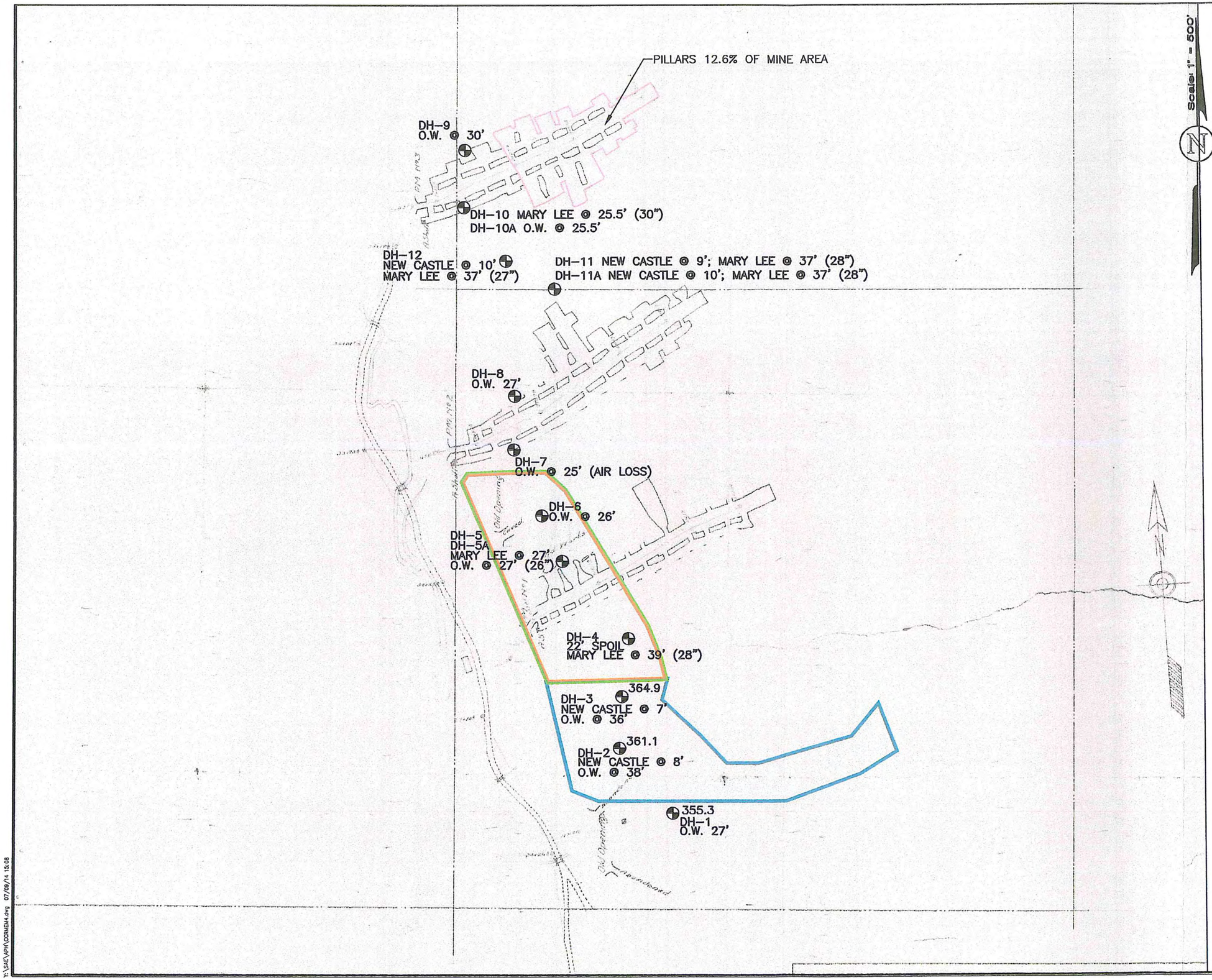
INTERVAL:	DESCRIPTION:
0 – 15'	SHALE
15' – 18'	SANDSTONE, very fine grained
18' – 27'	SHALE
27' – 29.16'	COAL (MARY LEE SEAM)
29.16' – 34.16'	UNDER CLAY

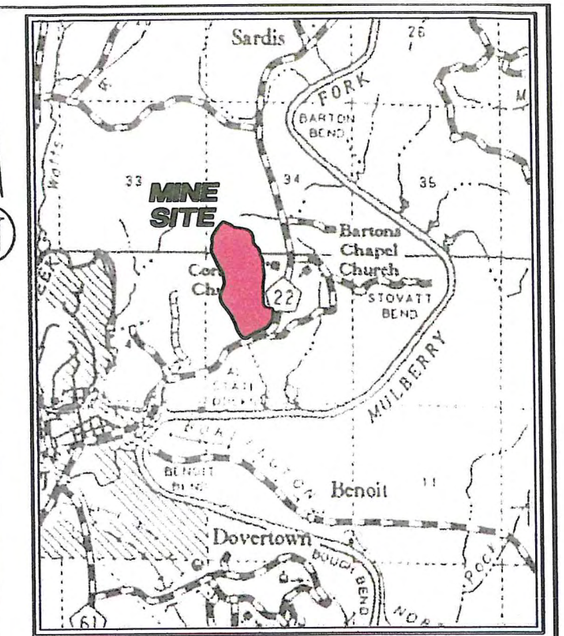
NOTE:
DRILL: CHICAGO PNEUMATIC 650 SS
6 3/4" DRILL BIT
SURFACE ELEVATION: ±359.0 ft. M.S.L.
DRILLED FROM NEW CASTLE BENCH

PERC ENGINEERING CO., INC.

CORDOVA CLAY COMPANY, INC.
RICETON CLAY MINE
WALKER COUNTY
DH-5

DRAWN BY: K.E.S. DWG. NAME: CCRCDH-5	DATE: 5/27/09
APPROVED BY: A.P.H.	SCALE: 1" = 10' vertical





VICINITY MAP
Scale: 1"= 2 Miles

LEGEND

- E-0051 Exemption Area Boundary
- Exemption Area Boundary
- 600 Surface Contour
- DH-1 Drill Hole O.W.-Old Works
- Previous Disturbance
- Mary Lee Old Works
- Underground Workings Boyce Mining Co. 1922
- 364.9 Surface Elevation

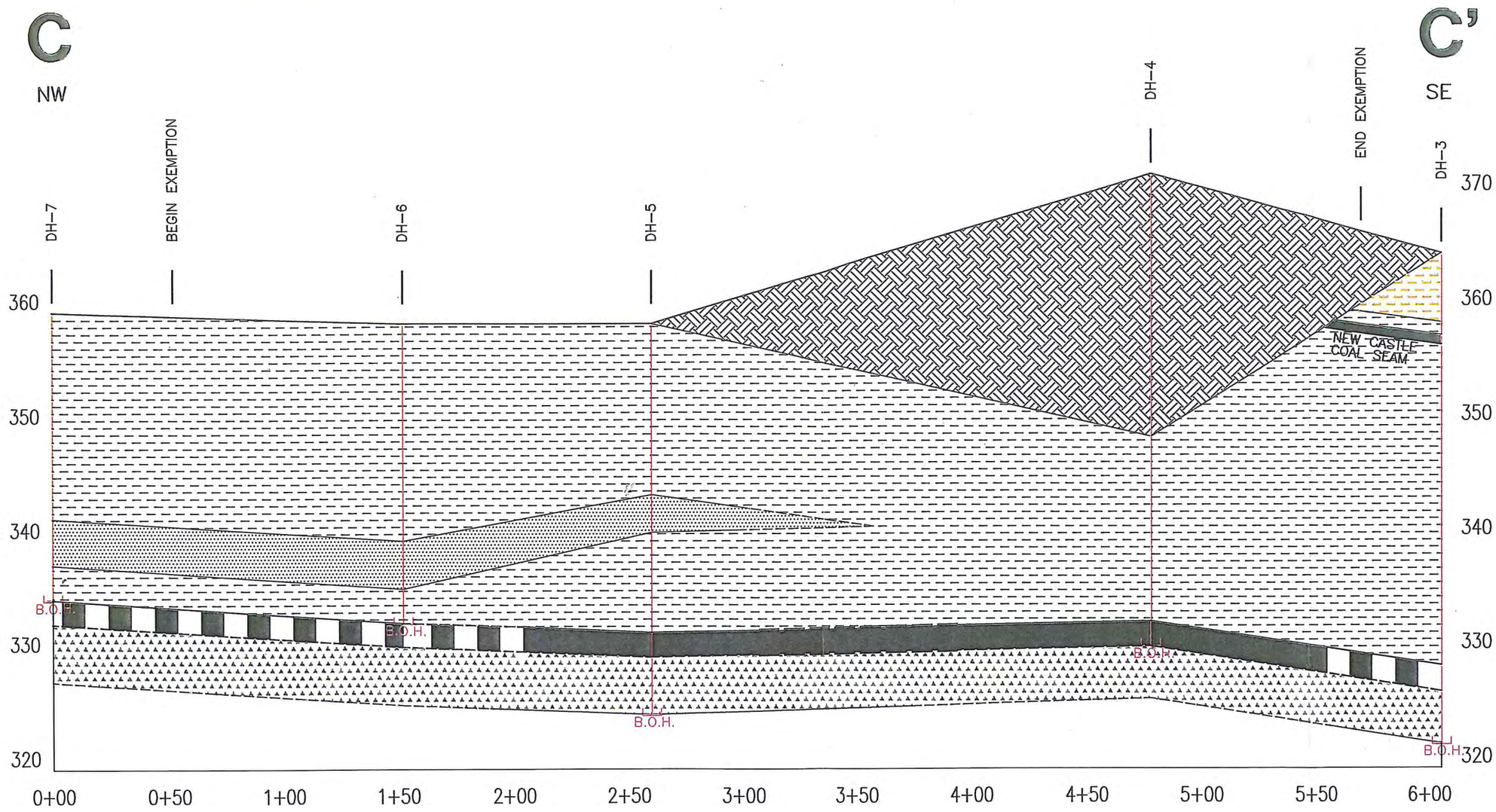
Note: Spoil and overburden material will be placed within the previously mined areas within the Exemption Area & within subsequent open pits as mining operations progress.

PERC ENGINEERING CO., INC.

CORDOVA CLAY COMPANY, INC.
RICETON NO. 2 CLAY MINE
EXEMPTION AREA UNDERGROUND WORKINGS MAP
Sec. 3, Township 15 South, Range 6 West, &
Sec. 34, Township 14 South, Range 6 West
Walker County, Alabama

DRAWN BY: S.A.E. DWG. NAME: CCRMEM4	DATE: 07/09/14
APPROVED BY: A.P.H.	SCALE: 1"=200'

Y:\SAE\APH\CCRMEM4.dwg 07/09/14 15:08



LEGEND

- COAL
- MARY LEE (OLD WORKS)
- SPOIL
- SHALE
- SHALE, WEATHERED (MARKETABLE SHALE)
- CLAY (MARY LEE; MARKETABLE CLAY)
- SANDSTONE
- B.O.H. BOTTOM OF HOLE

NOTE: LITHOLOGIES DASHED WHERE INFERRED.

ALEXANDER P. HENRY
ALABAMA LICENSED PROFESSIONAL GEOLOGIST
LIC: 0295

PERC ENGINEERING CO., INC.

Cordova Clay Company, Inc.
Riceton Clay Mine
Cross-Section C-C'
Exemption Permit

DRAWN BY:	S.A.E.	DATE:	7-11-14
DWG. NAME:	CCRCFDAA2		
APPROVED BY:	A.P.H.	SCALE:	1"=50' HORZ. 1"=10' VERT.

Y:\SAE\APH\CCRCFDAA2.dwg 07/14/14 09:24

CERTIFICATION STATEMENT:

The preceding exploratory drill holes drilled by Cordova Clay Company, Inc. and geologic information contained herein were performed for the exclusive use of this Exemption Permit Application for the Cordova Clay Company, Inc. Riceton No. 2 Clay Mine facility. I hereby certify that it is true and correct to the best of my knowledge or belief.

Alexander P. Henry

Date: 07-15-14

ALEXANDER P. HENRY
PROFESSIONAL GEOLOGIST
LICENSE NO. 0295

880-X-2E-.05(3)

15. Estimate the annual production (tonnage) of coal and other minerals within each mining area over the anticipated life of the mining operation. If additional space is required, list on separate sheet.

Clay 24,000 Tons | Coal 1,687 Tons

880-X-2E-.05(4)

16. Estimate the annual revenues to be derived from bona fide sales of coal and other minerals within the mining area. If additional space is required, list on separate sheet.

Clay 24,000 Tons @ $10.00/Ton = $240,100

Coal(Mary Lee) 1,687 Tons @ $51.50/Ton = $86,883

880-X-2E-.05(5)

17. If coal and/or the other minerals are to be used rather than sold, estimate the annual fair-market value at the time of projected use of the coal and other minerals to be extracted from the mining area. If additional space is required, list on a separate sheet.

Not Applicable

880-X-2E-.05(6)

18. Attach the basis for all annual production, revenue, and fair market value estimates. Include all calculations and figures necessary to support your estimates.

See Attachment 18.

The area to be exempted under this permit consists of approximately 2.4 acres. There has been previous mining within the proposed exemption area. Clay and coal reserves for the subject area were estimated, based on drilling performed by Cordova Clay Company, Inc. of Cordova, Alabama on May 27, 2009 and June 12, 2009. The attached drill hole logs dated June 12, 2009 were prepared based on field observation and lithologic identification by a PERC qualified professional (Alexander P. Henry, Professional Geologist) during the exploratory drilling performed on June 12, 2009. These drill holes are identified by DH-3 through DH-7. The attached drill log (DH-6) dated May 27, 2009 was prepared based on field observation (under the supervision of a Professional Geologist) by a PERC field technician (Jerry Key) during the exploratory drilling program performed May 27, 2009.

The scope of the May 27, 2009 exploratory drilling was to determine the depth and thickness of coal, the depth of old works encountered, and the depth and thickness of the the Mary Lee Clay. The scope of the June 12, 2009 exploratory drilling was to drill adjacent to the previously drilled drill holes (May 27, 2009) to determine the overburden lithology and confirm the depth and thickness of coal, the depth of old works encountered, the depth and thickness of the Mary Lee Clay, and to verify the extent of underground coal workings.

CORDOVA CLAY COMPANY, INC.
RICETON NO. 2 CLAY MINE
ASMC EXEMPTION APPLICATION
ATTACHMENT 18.

Copies of the drill hole logs are enclosed as a part of this exemption application and the approximate lithologic thickness of the marketable minerals (coal and clay) is as follows:

DRILL HOLE/TEST PIT	NEW CASTLE COAL THICKNESS (FT)	MARY LEE COAL THICKNESS (FT)	MARY LEE CLAY THICKNESS (FT)	NEW CASTLE SHALE THICKNESS (FT)
DH-1	NONE	OLD WORKS	-----	-----
DH-2	0.67	OLD WORKS	-----	-----
DH-3	0.83	OLD WORKS	4.4	6.0
DH-4	-----	2.33	-----	-----
DH-5	-----	2.16	4.0	-----
DH-5A	-----	OLD WORKS	-----	-----
DH-6	-----	OLD WORKS	-----	-----
DH-7	-----	OLD WORKS	-----	-----
DH-8	-----	OLD WORKS	-----	-----
DH-9	-----	OLD WORKS	-----	-----
DH-10	-----	2.5	4.5	-----
DH-10A	-----	OLD WORKS	-----	-----
DH-11	1.0	2.25	4.75	6.0
DH-12	1.0	2.25	4.75	-----
AVG.	0.88*	2.25	4.48	6.0*

* Not applicable in this area due to absence of New Castle Shale and New Castle Coal.

Clay reserves for the subject area were estimated, based on test pit excavation samples collected by Cordova Clay and analyzed by Dal-Tile in December 2011. Copies of these logs are enclosed as a part of this exemption application and the approximate lithologic

thickness of the marketable minerals (clay) is as follows:

Beaird Mary Lee Riceton Pit	Mary Lee Clay
Hole No.	Thickness
1	36"
2	40"
AVERAGE	38" (3.17')

(Marketable Thickness is 3.17', based on drilling)

With a marketable clay thickness of 3.17 feet, and a clay density of 168 pcf, in mind the following calculations were performed to determine an approximate area mined to date:

Tons of Clay per Acre = (Clay Density)(Clay Thickness)(43,560/2000)
= (168)(3.17)(43,560/2000)
= 11,600 Tons of Clay per Acre

It is our opinion that the drilling does not conflict with recovery rates from the adjoining Exemption Permit E-0051. Actual recovery rates at E-0051 is the best prediction for recovery rates for this proposed Riceton No. 2 Clay Mine Exemption Permit.

The following quantities are from the Cordova Clay Exemption Permit E-0051 Tonnage and Revenue Spreadsheet (Attachment 18.1):

Tons of Coal per Acre:
1,915.94 Tons / 2.35 Acres = 815 Tons of Coal per Acre
Tons of Clay per Acre:
27,350 Tons / 2.35 Acres = 11,638 Tons of Clay per Acre

815 Tons of Coal per Acre / 815 Tons of Coal per Acre + 11,638 Tons of Clay per Acre yields a coal tonnage ratio of *6.5%*.

Based on this information, it is shown that the additional cumulative production of coal to be extracted from the proposed exemption area should not exceed 16 2/3 % of the total cumulative production of coal and other mineral (CLAY) removed during such period for purposes of bona fide sale or reasonable commercial use.

Currently, Cordova Clay Company, Inc. has a commitment from the following customers:

Florida Brick & Clay Co., Inc.:	to purchase approximately 1,000 tons of clay per year or 67 tons per month (at a minimum) and 6,000 tons of shale per year or 500 tons per month (at a minimum).
Taylor Clay Products Company:	to purchase approximately 12,000 to 17,000 tons (14,500 tons, average) of clay per year, or 1,208 tons per month (at a minimum, average), plus an additional 8,500 tons per year.

As stated earlier, the clay from this operation will be sold for $10.00 per ton and the Mary Lee coal from this operation will be sold for $51.50 per ton, all picked up at the mine site.

Total yearly project revenue =

Clay:	Estimated 24,000 TPY @ $10.00/T = $240,000
Coal:	1,687 TPY @ $51.50/T = $86,883 (Mary Lee)

(However, with the projected clay sales revenue from the 24,000 tons per year (contract sales), this equates to 2.07 mined acres per year (24,000 TPY / 11,600 Tons of Clay per Acre). Since 2.07 mined acres per year is estimated, the following is a monetary breakdown of each mineral:

- Mary Lee Coal:
  (2.07 acres)(815 Tons/Acre) = 1,687 Tons
  (1,687 Tons) ($51.50 per Ton) = $86,883

- Mary Lee Clay:
  (2.07 acres)(11,600 Tons/Acre) = 24,012 Tons
  (24,012 Tons) ($10.00 per Ton) = $240,120

The following calculates the estimated revenue produced from the sale of the coal from the site versus the cumulative revenue of the sale of coal, clay and shale that will not exceed 50%:

The estimated ratio of revenue produced from the sale of the coal for the 2.07 Acre example versus the cumulative revenue of the sale of coal and other minerals is Mary Lee Coal ($86,883) + Clay ($240,120) = $327,003. Coal Revenues of $86,883 / Total Revenues of $327,003 = 26.6% of Revenues from Coal.

Based on the ASMC Annual Report (Report for Period Ending June 30, 2014) for the adjacent Exemption Permit E-0051, year end Sales Totals were as follows:

Coal Tons/Coal, Shale & Clay Tons = 9.98%*

Coal Revenue/Coal, Shale & Clay Revenue = 37.54%*

* *Calculations reflect the addition of New Castle Coal and New Castle Shale*

The cumulative revenue from the coal extracted from the additional mining area determined annually will not exceed 50 percent of the total cumulative revenue derived from coal and other minerals (CLAY and SHALE) for purposed of bona fide sale or reasonable commercial use. As shown above, this should meet the criteria.

880-X-2E-.05(13)

19. Attach on a separate sheet a summary of sales commitments and agreements for future delivery, if any, which the applicant has received for other minerals to be extracted from the mining area, or a description of potential markets for such minerals. Attached.

880-X-2E-.05(14)

20. If the other minerals are to be commercially used by the applicant, provide a description specifying the use below. If additional space is required, use a separate sheet. Not Applicable

Cordova Clay Exemption Permit E-0051
Tonnage and Revenue

Date	Placed on Stockpile	Customer	Clay	Shale	Coal	Clay Sold	Clay Revenue	Shale Sold	Shale Revenue	Coal Sold	Coal Revenue	Tons Clay, Shale & Coal Sold	Revenue Clay, Shale & Coal	Coal Tons / Coal, Shale & Clay Tons	Coal Revenue / Coal, Shale & Clay Revenue
2/1/2013		Product on Stockpile	19,600.00	2,025.00	952.94										
2/1/2013		Florida Brick						97.60	$ 585.60						
2/1/2013		Florida Brick						96.80	$ 580.80						
2/17/2014	Shale			700.00											
3/3/2014	Coal				260.00										
3/20/2013		Florida Brick						97.00	$ 582.00						
3/20/2013		Florida Brick						94.96	$ 569.76						
4/15/2014	Coal				703.00										
5/3/2013		Florida Brick						95.93	$ 575.58						
5/3/2013		Florida Brick						94.98	$ 569.88						
	Shale			450.00											
7/3/2013		Florida Brick						96.76	$ 580.56						
7/3/2013		Florida Brick						97.08	$ 582.48						
8/6/2013		Florida Brick						95.94	$ 575.64						
8/13/2013		Florida Brick						96.10	$ 576.60						
10/29/2013		Florida Brick						93.74	$ 562.44						
10/29/2013		Florida Brick						94.70	$ 568.20						
11/22/2013		Florida Brick						94.15	$ 564.90						
5/17/2013		Dal-Tile				2,182.21	$ 19,639.89								
7/15/2013		Dal-Tile				2,395.71	$ 21,561.39								
12/4/2013		Dal-Tile				2,045.46	$ 20,454.60								
8/31/2013		JCSALES								26.99	$ 1,349.50				
8/31/2013		JCSALES								27.91	$ 1,395.50				
9/10/2013		JCSALES								26.56	$ 1,328.00				
9/10/2013		JCSALES								28.37	$ 1,418.50				
9/11/2013		JCSALES								31.30	$ 1,565.00				
9/11/2013		JCSALES								28.02	$ 1,401.00				
10/1/2013		JCSALES								27.07	$ 1,353.50				
10/1/2013		JCSALES								26.56	$ 1,328.00				
10/3/2013		JCSALES								25.61	$ 1,280.50				
10/17/2013		JCSALES								25.69	$ 1,284.50				
10/17/2013		JCSALES								25.80	$ 1,290.00				
10/18/2013		JCSALES								28.23	$ 1,411.50				
10/18/2013		JCSALES								27.68	$ 1,384.00				
10/18/2013		JCSALES								25.85	$ 1,292.50				
10/18/2013		JCSALES								26.58	$ 1,329.00				
10/22/2013		JCSALES								29.49	$ 1,474.50				
10/22/2013		JCSALES								27.77	$ 1,388.50				
10/23/2013		JCSALES								28.16	$ 1,408.00				
10/23/2013		JCSALES								27.00	$ 1,350.00				
10/25/2013		JCSALES								27.50	$ 1,375.00				
10/25/2013		JCSALES								26.39	$ 1,319.50				
10/13/2013		JCSALES								26.95	$ 1,347.50				
10/30/2013		JCSALES								26.14	$ 1,307.00				
11/5/2013		JCSALES								28.67	$ 1,433.50				
11/6/2013		JCSALES								26.41	$ 1,320.50				
11/20/2013		JCSALES								30.38	$ 1,519.00				
11/21/2013		JCSALES								28.94	$ 1,447.00				
11/22/2013		JCSALES								28.73	$ 1,436.50				
12/6/2013		JCSALES								33.84	$ 1,692.00				
12/7/2013		JCSALES								30.52	$ 1,526.00				
12/7/2013		JCSALES								30.52	$ 1,526.00				
12/13/2013		JCSALES								30.83	$ 1,541.50				
12/13/2013		JCSALES								28.85	$ 1,442.50				
12/20/2013		JCSALES								27.63	$ 1,381.50				
2/3/2014		Dal-Tile				1,883.42	$ 18,834.20								
3/10/2014	Clay		1,250.00												
3/11/2014	Clay		2,150.00												
3/24/2014		Dal-Tile				2,928.27	$ 29,282.70								
5/9/2014		Dal-Tile				2,571.95	$ 25,719.50								
2/1/2014		Florida Brick				94.20	$ 942.00								
2/1/2014		Florida Brick						285.60	$ 1,713.60						
4/19/2014	Clay		950.00												
4/21/2014	Clay		2,300.00												
4/23/2014	Clay		1,100.00												
5/5/2014		Jon Blackston				25.00	$ 250.00								
3/10/2014		JCSALES								209.23	$ 10,461.50				
5/12/2014		JCSALES								287.73	$ 14,818.10				
5/19/2014		JCSALES								114.22	$ 5,882.33				
5/27/2014		JCSALES								172.51	$ 8,884.27				
	Total Beginning Inventory and Production		27,350.00	3,175.00	1,915.94										
		Year End Sales Totals				14,126.22	136,684.28	1,531.34	9,188.04	1,736.63	87,693.20	17,394.19	$ 233,565.52	9.9340%	37.5454%
		Remaining Inventory				13,223.78	$ 132,237.80	1,643.66	$ 9,861.96	179.31	$ 8,965.50				
6/30/2014		Overall Totals				27,350.00	$ 268,922.08	3,175.00	$ 19,050.00	1,915.94	$ 96,658.70	32,440.94	$ 384,630.78	5.9059%	25.1303%

Note: Inventory Tonnage Valued at $10.00 for Clay, $6.00 for Shale, $50.00 for Coal.
Calculations based on tonnage and sales prices provided by client.
Annual report due to ASMC on or before July 30 each year based on a coal stockpile observed by ASMC inspector on April 18, 2013.

ATTACHMENT 18.1

7/10/2014

BROWN
IRON SPOT
BUFF, PINK & GREY
WHITE FACE BRICK

Taylor Clay Products Company

P.O. Box 2128, Salisbury, North Carolina 28145-2128
Phone (704) 636 - 2411
Fax (704) 636 - 2413

November 28, 2012

Cordova Clay Company, Inc.
Attn: Gail Beard
P. O. Box 100
Cordova, AL 35550

Gail:

We have enjoyed doing business with you since the 1950's and would like to buy clay from you in the future.

As the economy and business picks up, we could purchase up to 23,000 tons a year from your company.

Sincerely,

Charles D. Taylor Jr./nom

Charles D. Taylor, Jr.
President

BROWN
IRON SPOT
BUFF, PINK & GREY
WHITE FACE BRICK

Taylor Clay Products Company

P.O. Box 2128, Salisbury, North Carolina 28145-2128
Phone (704) 636 - 2411
Fax (704) 636 - 2413

January 6, 2011

To Whom It May Concern:

RE: Cordova Clay Company, Inc.
P. O. Box 100
Cordova, AL 35550-0100

Taylor Clay Products, Inc. has bought clay from Cordova Clay Company, Inc. for over thirty years. We plan to continue purchasing clay from them for the foreseeable future.

For the past several years we have bought between 12,000 and 17,000 tons a year, and intend to continue to purchase this amount annually.

Sincerely,

Steven D. Blankenbeker/nom

Steven D. Blankenbeker
Raw Materials Manager

SDB/nom

Florida Brick & Clay Co., Inc.

1708 Turkey Creek Rd. - Plant City, FL 33566
Phone: (813) 754-1521 - Fax: (813) 754-8678

Date: 1/11/11

Cordova Clay Co.
P. O. Box 100
Cordova, AL 35550

To: Gail Beaird
From: Scott Fields
RE: Clay Usage

Dear Gail,

This letter is to inform you of our typical clay requirements as they relate to your fireclay and shale products. As you know the last few years have not been "typical" but we expect our business to return to normal sooner than later. In a "normal" year our fireclay usage would be about 800 tons and our shale usage about 1600 tons. In a five year period that would mean we would use 4000 tons of fireclay and 8000 tons of shale. Obviously these quantities can be significantly affected by the business climate.

On a related issue, as you know, we have been doing business with your company for over 30 years. You are our sole source for these raw materials and any disruption of supply would have a serious impact on our ability to produce products that are integral to our business.

I hope this information is helpful.

Sincerely,

Scott Fields
Production Manager
Florida Brick & Clay Co.

FBC
Florida Brick & Clay Company Inc.

1708 Turkey Creek Road - Plant City, FL 33566-0056
Phone (813) 754-1521 - FAX (813) 754-5469
www.floridabrickandclay.com

Sunshine Pavers

AmeriCraft III T-T-L-E

October 29, 2012

Mr. G. Milton McCarthy, Jr.
Alabama Surface Mining Commission
P O Box 2390
Jasper, AL 35502-2390

RE: Cordova Clay Co., Inc.
Shale and Fireclay Supplier

Dear Mr. McCarthy:

Pursuant to Mr. Gail Beaird's Request, I am writing to inform you of my past and present relationship with Mr. Gail Beaird and Cordova Clay Co., Inc., Florida Brick and Clay Co., Inc., has purchased well over 200,000 tons of Shale and Fireclay from Mr. Gail Beaird over the past forty years. We have recently received a test shipment from Mr. Beaird's proposed mine site, that is under review by your office, and performed a production test on the shipment which resulted in good results. Our supply needs are driven by the sales of our Brick and Tile products which make it difficult to predict the tonnage our Company will require in the future. As you know the U.S. economy has been very sluggish in the past few years, however, we would like to produce and sell as much as possible in order to be a productive Company for our investors. Therefore, we hope to purchase up to 6,000 tons of Shale and 1,000 tons of Fireclay assuming the market for our products increase in the near future as the economy gets better.

I hope this information is helpful.

Sincerely,

Antonio C. Azorin
President
Florida Brick & Clay Co., Inc.

FBC
Florida Brick & Clay Company Inc.

1708 Turkey Creek Road • Plant City, FL 33566-0056
Phone (813) 754-1521 - FAX (813) 754-5469
www.floridabrickandclay.com

Sunshine Pavers

AmeriCraft III T-T-L-E

June 7, 2012

Mr. Gail Beard
Cordova Clay Co., Inc.
P.O. Box 100
Cordova, AL 35550-0100

RE: Shale and fireclay for SE ¼ of the NW ¼ of Section 3 Township 15 south Range 6W

Dear Gail:

This letter is to serve as confirmation that the shale that you are mining and shipping to us is very important to our production of brick pavers and pool coping. Not all shales have the same qualities for our production and this shale works better than any we have tried. There are very few suppliers of raw materials in the southeastern U.S. and you have been one of our reliable and cost-effective resources for over forty years.

I hope this helps you in your effort to renew your mining permit as it would be a big loss to us if you were unable to provide us with shale and fireclay. Thanks for your continued good service.

Sincerely,

Antonio C. Azorin
President

FBC
Florida Brick & Clay Company Inc.
1708 Turkey Creek Road • Plant City, FL 33566-0056
Phone (813) 754-1521 • FAX (813) 754-5469
www.floridabrickandclay.com

Sunshine Pavers

AmeriCraft III T·T·L·E

July 20, 2012

Mr. Gail Beaird
Cordova Clay Co., Inc.
P.O. Box 100
Cordova, Al 35550

RE: Shale and fireclay for the East 1/2 of the NW ¼ of Section 3 Township 15 South Range 6 West

Dear Gail:

The full seam of fireclay that you shipped to us in June of 2012 will be sufficient for our production of brick pavers and pool coping. Our production test of the clay gave us good results.

Best regards,

Antonio C. Azorin
President

daltile™
Fayette Plant
Quality People Making Quality Products Safely

November 15, 2010

Dr. Randall C. Johnson
Director
Sate of Alabama Surface Mining Commission
P.O. Box 2390
Jasper, AL 35502-2390

Dear Mr. Johnson,

We were asked by the Cordova Clay Company to provide tonnages of the Clay shipped to our facility over the last five years. We received 6,494 tons at a price of $10/ton. We bought a 40,000 ton stockpile for $7/ton and have received 13,398 tons to date from that pile with an additional $2/ton payment upon delivery. We will receive 26,602 tons over the next few years until the 40,000 ton stockpile is depleted.

We became a customer of Cordova Clay Company when our plant was built and started production in 1980.

Sincerely,

Valerie J. Watts

Valerie J. Watts
Ceramic Engineer

cc: Gail Beaird, President of Cordova Clay
Greg A. Guenin, Plant Manager of Dal-Tile Fayette

Fayette Industrial Park 1470 County Road 21 South Fayette, AL 35555 Phone: 205.932.8944 Fax: 205.932.6895

J. CRUMP SALES , INC.
P.O. Box 1465
Jasper, AL. 35502-1465
Phone 205-221-3094
Fax 205-221-1547

May 5, 2014

Cordova Clay
P. O. Box 100
Cordova, AL 35550

To Whom It May Concern:

J Crump Sales, Inc. will be purchasing Marylee coal from Cordova Clay from the period of 5-5-14 thru 2015 at the new rate of $51.50 per ton on their purchase order.

Thank You,

R. Jason Crump
J Crump Sales, Inc.

adh

SECTION III
MAPS AND DRAWINGS

21. General Requirements 880-X-2e-.05(11)

A. No map or drawing should be smaller then 8.5" X 11".

B. THE GENERAL LOCATION MAP[1], and MINING AREA MAP(S) [2], scales are as specified below.

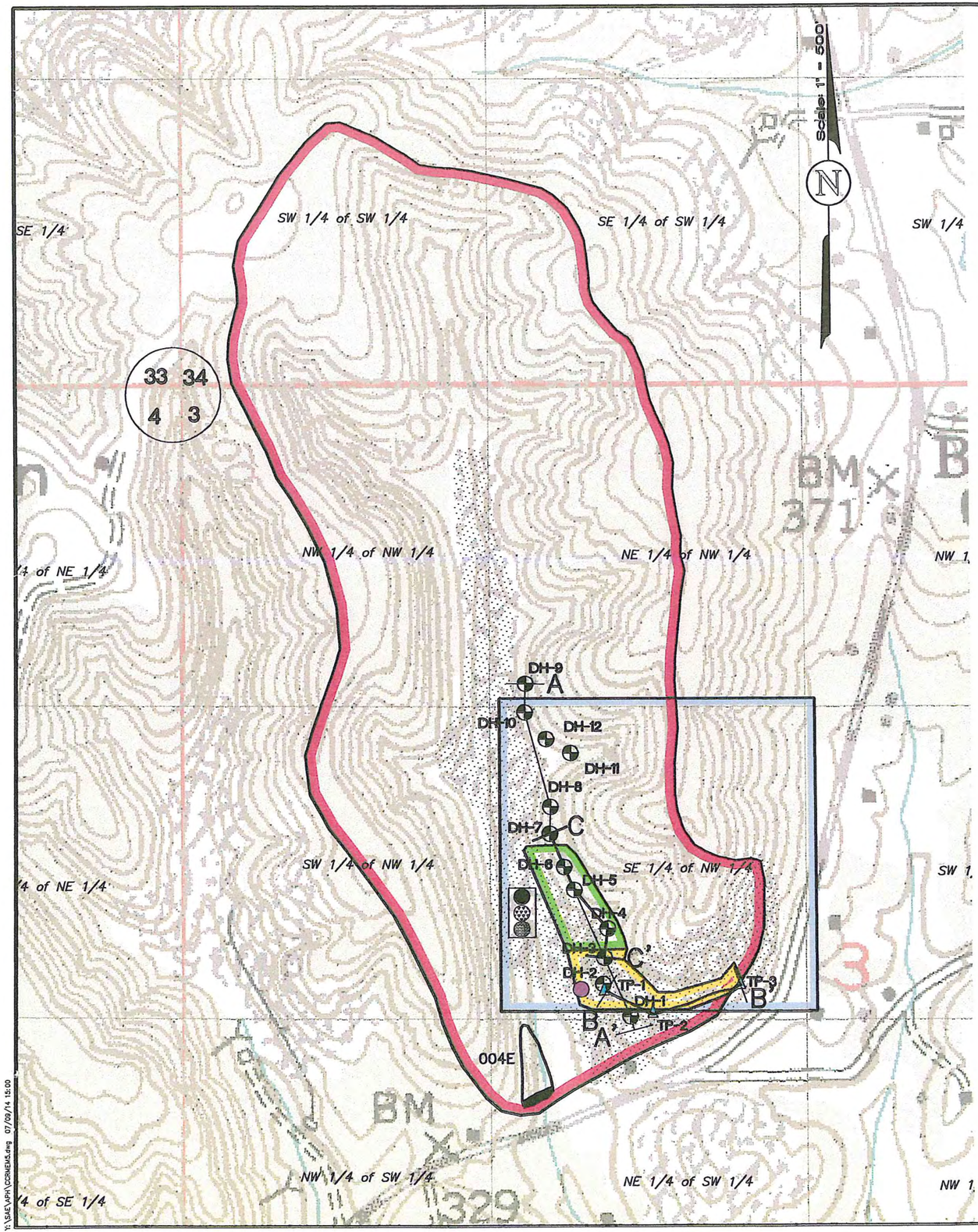
C. The mining area map shall be a topographic map of a scale of 1" = 500' or less, which clearly identifies the mining area.

D. Maps may be combined at the discretion of the applicant, provided such combination is reflected in the title blocks and does not crowd the maps to the extent interpretation becomes difficult. Parts of one map may not be combined with parts of another; combine only entire maps.

- GENERAL LOCATION MAP [1] Indicate on a County Highway map the location of the proposed exempt area, with the respect to towns, roads, streams, and county lines.

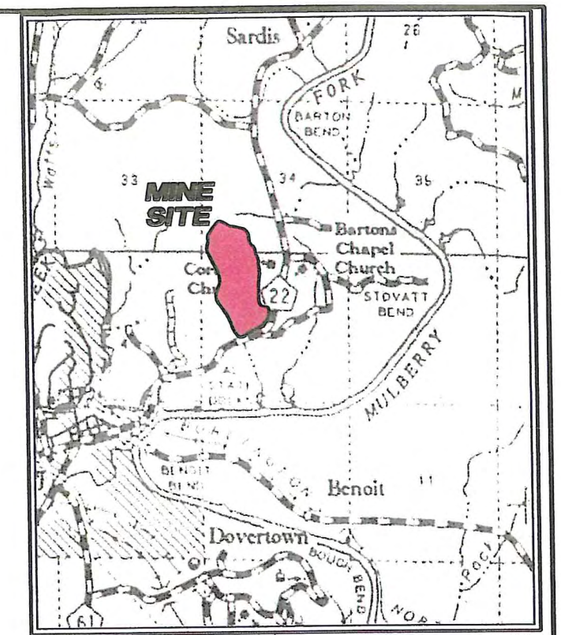
- MINING AREA MAP [2] indicating the following:

  (I) Boundaries of the proposed exemption area.
  (ii) The area for coal stockpiling.
  (iii) The area for other mineral(s) stockpiling.
  (iv) The area for overburden or spoil storage.
  (v) Location of all test boring(s).



PREVIOUS LEGEND

- Exemption Area Boundary
- E-0051 Exemption Area Boundary
- 600 Surface Contour
- DH-1 Drill Hole
- C C' Cross Section
- Existing Highwall
- Previous Disturbance
- ADEM NPDES Permit No. AL0047198 Boundary
- D.I.R. Permit No. 014144 Boundary
- Coal, Clay, Shale — Material Stockpiles
- Dal-Tile Clay Exploratory Test Pit (Dec 2011)
- Test Pits (Aug. 31, 2012)



VICINITY MAP
Scale: 1"= 2 Miles

NOTES

1) Spoil and overburden material will be placed within the previously mined areas within the Exemption Area & within subsequent open pits as mining operations progress.

PERC ENGINEERING CO., INC.

CORDOVA CLAY COMPANY, INC.
RICETON NO 2 CLAY MINE
EXEMPTION AREA MAP

Sec. 3, Township 15 South, Range 6 West, &
Sec. 34, Township 14 South, Range 6 West
Walker County, Alabama

DRAWN BY:	S.A.E.	DATE:	07/08/14
DWG. NAME:	CCRMEM5		
APPROVED BY:	A.P.H.	SCALE:	1"=500'

X:\S&E\APH\CCRMEM5.dwg 07/09/14 15:00