

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

CORDOVA CLAY COMPANY, INC.
RICETON NO. 3 CLAY MINE
E-0055
WALKER COUNTY, ALABAMA

Prepared by:
PERC Engineering Co., Inc.
P. O. Box 1712
Jasper, Alabama 35502-1712
Phone: (205) 384-5553
Fax: (205) 384-9491

May, 2016

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- 0055

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

TABLE OF CONTENTS

	Item No.	Page No.
SECTION I ADMINISTRATIVE INFORMATION		<u>I.</u>
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		<u>II.</u>
Geologic Information.....	13	9
Minerals Other Than Coal to be Extracted. Annual Production of Coal and Other Minerals.....	14	9
Estimated Annual Revenue.....	15	10
Estimated Fair Market Value.....	16	10
Basis for Estimates.....	17	10
Sales Commitments and Markets.....	18	10-16
Other Minerals Used.....	19	16
	20	16
SECTION III MAPS & DRAWINGS		<u>III.</u>
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 483-7385
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 483-7385
Business Street Address 1091 Brick Plant Road, Cordova, AL 35550
Business Mailing Address Post Office Box 100, Cordova, AL 35550As
Applicable: Social Security Number (Voluntary) _____
Employee Identification Number 63-0696939

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

3. Mine Name/Number Riceton No. 3 Clay Mine
Location (County) Walker
Acreage to be exempted G.I Acres
Estimated Disturbed Acreage G.I Acres

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

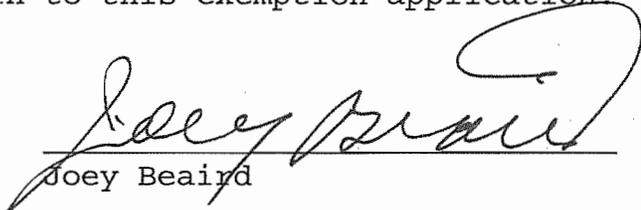
4. USGS Quadrangle (Name and Number) Cordova, AL 33087-G2-TF-024
Latitude 33°-46'-08" Longitude 87°-09'-29"
Designation of nearest intersection of two public roads: From the
intersection U.S. Highway 78 East & County Road 22 (River Road), go
south 3.1 miles on County Road 22 to a gravel road on the right
(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 Pete Parrish Phone (205) 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: 3-1-16


Joey Beaird

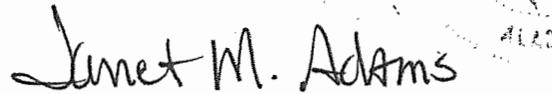
Vice-President
Title

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 1st day of March, 2016.




NOTARY PUBLIC

My Commission Expires: 5-21-2018



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
<u>NPDES</u> <u>AL0047198</u>	<u>Cordova Clay</u> <u>Company, Inc.</u>	<u>Walker</u>	<u>Clay</u>	<u>133</u>
<u>DIR Permit</u> <u>No. 014878</u>	<u>Cordova Clay</u> <u>Company, Inc.</u>	<u>Walker</u>	<u>Clay &</u> <u>Shale</u>	<u>12.5</u>

- 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
<u>NPDES</u> <u>AL0047198</u>	<u>Cordova Clay</u> <u>Company, Inc.</u>	<u>Walker</u>	<u>Clay</u>	<u>133</u>
<u>DIR Permit</u> <u>No. 014878</u>	<u>Cordova Clay</u> <u>Company, Inc.</u>	<u>Walker</u>	<u>Clay &</u> <u>Shale</u>	<u>12.5</u>

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.

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.



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

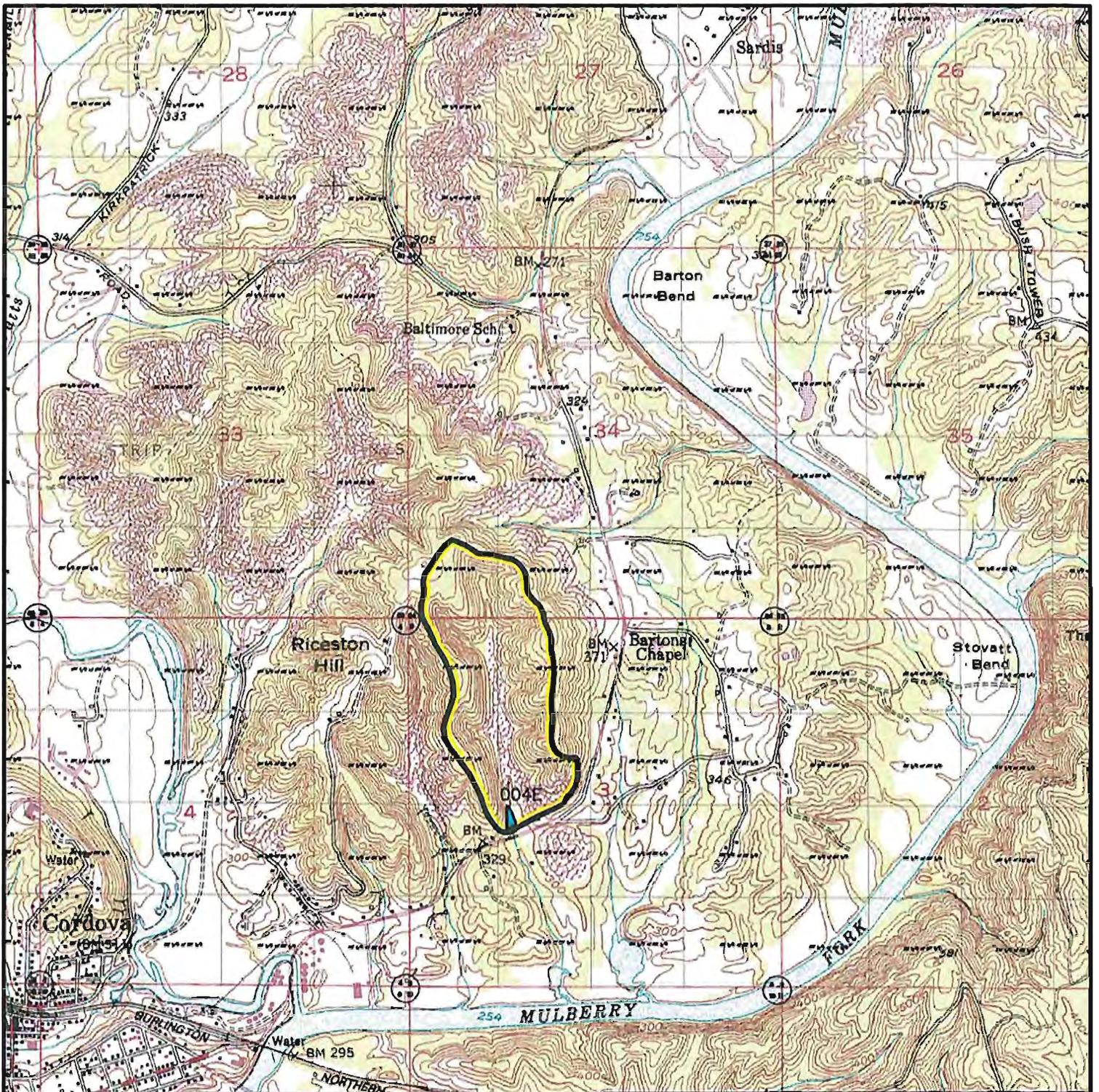
In accordance with and subject to the provisions of the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§1251-1378 (the "FWPCA"), the Alabama Water Pollution Control Act, as amended, Code of Alabama 1975, §§ 22-22-1 to 22-22-14 (the "AWPCA"), the Alabama Environmental Management Act, as amended, 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
 Sediment Basin

Scale: 1" = 2000'




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

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

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

Permit No. 014878

Permit Fee Paid \$ 250.00
Amended Permit Fee Paid \$ _____
Bonded Acres 10.00
Additional Acres 2.50
Total Acres 12.50



Effective Date 02/09/2016

Expiration Date 02/09/2017

File No. 64-Cordova-14

PERMIT TO ENGAGE IN SURFACE MINING OF Clay

Issued to

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

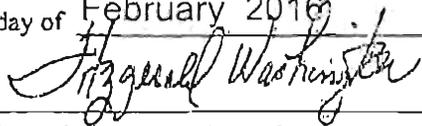
Pursuant to Sections 4, 5 & 6, Alabama Surface Mining Act of 1969, a permit is hereby granted to engage in Surface Mining in the State of Alabama at the following location:

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

Access: Travel west on US Hwy 78, turn left at Lynns Park onto County Road 22. Travel 2.75 miles and turn right into screening yard. Follow access 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 22nd day of February 2016


Commissioner, Alabama Department of Labor

CORDOVA CLAY COMPANY, INC.
RICETON NO. 3 CLAY MINE
ASMC EXEMPTION APPLICATION
ATTACHMENT I.-8

- A) Not Applicable
- B) No coal or clay has been extracted from the proposed exemption area.
- C) Coal stockpiled: 0 Tons
Clay stockpiled: 21,285 Tons
Shale stockpiled: 0 Tons

See the attached Cordova Clay Annual Report for Exemption Permit E-0051-12/4 2012 & E-0054 9/9/2014, Report for Period Ending 6/30/2015. Additional clay has been stockpiled.

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. 3 Clay Mine area in the NW 1/4 of NW 1/4 and NE 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-0055. This application is available for public review at the Alabama Surface Mining Commission Web Site:<http://www.surface-mining.state.al.us/> Permit Applications Tab and at the Alabama Surface Mining Commission Office, 1811 Second Avenue, Jasper, Alabama during their normal hours of operation. 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. 3 CLAY MINE
ASMC EXEMPTION APPLICATION
ATTACHMENT 10.

The area to be exempted under this application consists of approximately 2.5 acres. Part of Exemption E-0054 (south of this proposed 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 Pillars, resulting in an estimated area recovery rate of 31.5%. This recovery rate for 2.5 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 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

CORDOVA CLAY COMPANY, INC.
RICETON NO. 3 CLAY MINE
ASMC EXEMPTION APPLICATION
ATTACHMENT 10.

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.

See Attached Proof of Publication.

Affidavit of Publication of Legal Notice

State of Alabama
Walker County

Before me, a notary public in and for the county and state above listed, personally appeared James Phillips, who, by me duly sworn, deposes and says that: "My name is James Phillips". I am the Publisher of the *Daily Mountain Eagle*. The Newspaper is printed in the English language, has a general circulation and its principal editorial office in the county above listed and has been mailed under a publication class mailing privilege of the United States Postal Service from the post office where it is published at least 51 weeks a year.

The Newspaper published the attached legal notice in the issue(s) of: 6/1/16 (date(s) of publication). If the post office address of the person to whom the notice is directed can be ascertained, a copy should be mailed by the person or official placing the advertisement to the person to whom the notice was directed.

The sum charged for these publication(s) was \$ 98.03. The sum charged by the Newspaper for said publication(s) does not exceed the actual lowest classified rate paid by commercial customers for an advertisement of similar size and frequency in the same newspaper(s) in which the public notice appeared.

There are no agreements between the Newspaper and the officer or attorney charged with the duty of placing the attached legal advertising notices whereby any advantage, gain or profit accrued to said officer or attorney.

AFFIANT James Phillips

Sworn and subscribed this 1 day of June, 2016.
Barbara Haynes

Notary Public
My Commission Expires 08/02/2016



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. 3 Clay Mine area in the NW 1/4 of NW 1/4 and NE 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-0055. This application is available for public review at the Alabama Surface Mining Commission Web Site: <http://www.surface-mining.state.al.us/> Permit Applications Tab and at the Alabama Surface Mining Commission Office, 1811 Second Avenue, Jasper, Alabama during their normal hours of operation. 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.
*June 1, 2016

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.

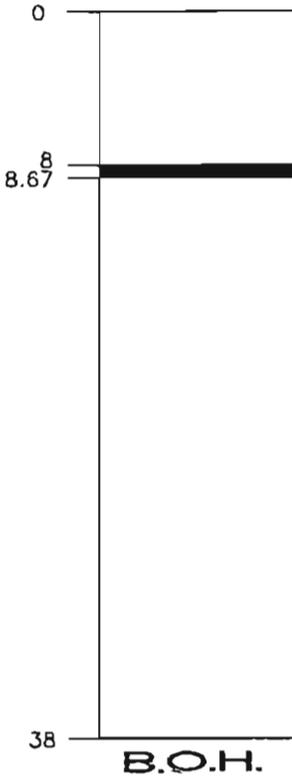
d. Identify on the Mining Area Map the location of the test boring(s).

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

Clay _____

INTERVAL:

DESCRIPTION:



0 - 8'

NO SAMPLE

8' - 8.67'

NEW CASTLE COAL SEAM

8.67' - 38'

NO SAMPLE

38' -

OLD WORKS (MARY LEE SEAM)

B.O.H.



**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.

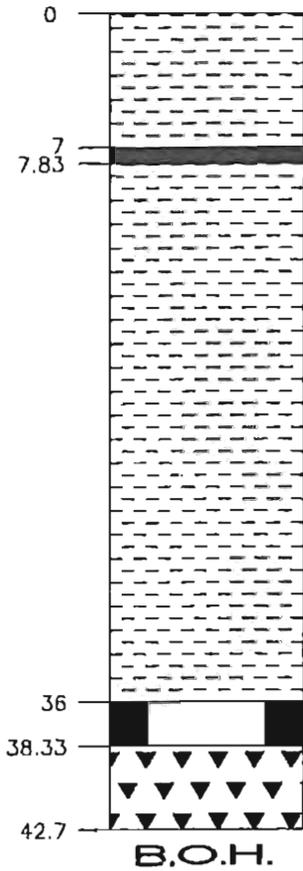
SCALE: 1" = 10' vertical

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

I:\Projects\2009\5/27/09\CORDOVA\CORDOVA-DH-2.dwg 2009/05/27 10:03

INTERVAL:

DESCRIPTION:



0 - 7'

SHALE (weathered from surface to 6')

7' - 7.83'

NEW CASTLE COAL SEAM

7.83' - 36'

SHALE (mud slp @ 26 to 27')

36' - 38.33'

OLD WORKS (MARY LEE)

38.33' - 42.7'

UNDER CLAY



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

DRAWN BY: K.E.S.
DWG. NAME: CCRCDH-3

DATE: 6/12/09

APPROVED BY: A.P.H.

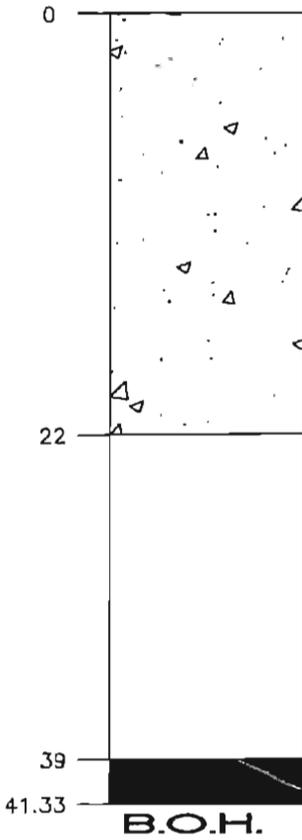
SCALE: 1" = 10' vertical

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

11-15

INTERVAL:

DESCRIPTION:



0 - 22'

SPOIL

22' - 39'

No Sample

39' - 41.33'

COAL (MARY LEE SEAM)

B.O.H.



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

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

DRAWN BY: K.E.S.
 DWG. NAME: CCRCDH-4

DATE: 6/12/09

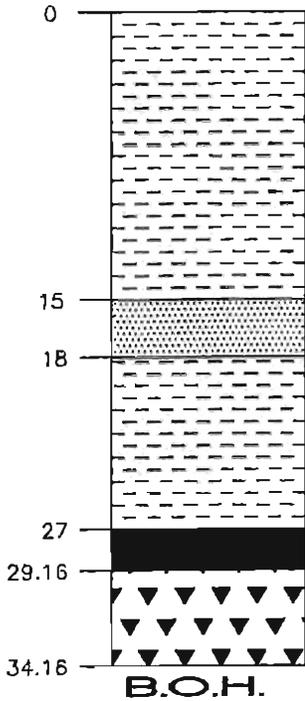
APPROVED BY: A.P.H.

SCALE: 1" = 10' vertical

VP-62623 Name: CORDOVA CLAY COMPANY-1.dwg 6/12/09 11:15

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

B.O.H.



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

DRAWN BY: K.E.S.
DWG. NAME: CCRCDH-5

DATE: 5/27/09

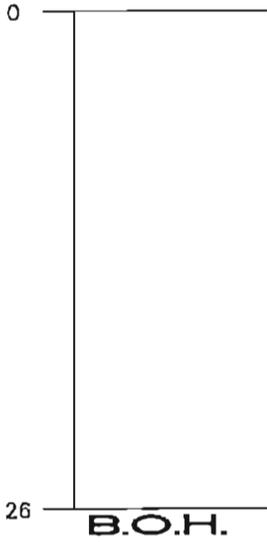
APPROVED BY: A.P.H.

SCALE: 1" = 10' vertical

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

INTERVAL:

DESCRIPTION:



0 - 26'

NO SAMPLE

26' -

OLD WORKS (MARY LEE SEAM)



**CORDOVA CLAY COMPANY, INC.
RICETON CLAY MINE
WALKER COUNTY
DH-6**

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

DRAWN BY: K.E.S.
DWG. NAME: CCRCDH-6

DATE: 5/27/09

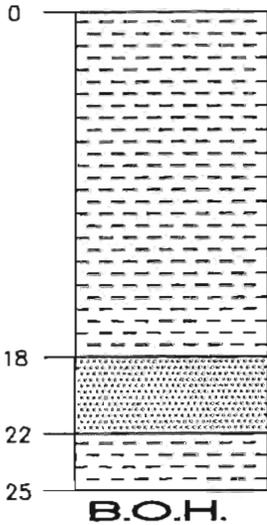
APPROVED BY: A.P.H.

SCALE: 1" = 10' vertical

V:\perc\2009\perc\641\VEPA\DRILL\CCRCDH-6.dwg 8/10/09 12:25

INTERVAL:

DESCRIPTION:



0 - 18'

SHALE

18' - 22'

SANDSTONE, very fine grained

22' - 25'

SHALE

25' -

OLD WORKS (MARY LEE SEAM)

B.O.H.



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

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

DRAWN BY: K.E.S.
 DWG. NAME: CCRCDH-7

DATE: 6/12/09

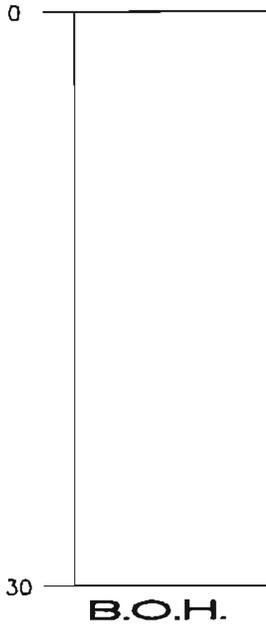
APPROVED BY: A.P.H.

SCALE: 1" = 10' vertical

11/20/09 1:12:43 PM C:\Users\kenneth\Documents\112009\112009.dwg

INTERVAL:

DESCRIPTION:



0 - 30'

NO SAMPLE

30' -

OLD WORKS (MARY LEE SEAM)



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

NOTE:
DRILL: CHICAGO PNEUMATIC 650 SS
6 3/4" DRILL BIT
SURFACE ELEVATION: ±364.0 ft. M.S.L.

DRAWN BY: K.E.S.
DWG. NAME: CCRCDH-9

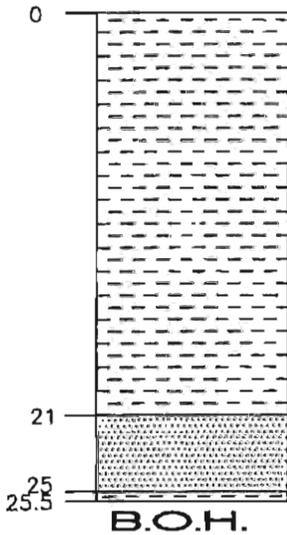
DATE: 5/27/09

APPROVED BY: A.P.H.

SCALE: 1" = 10' vertical

INTERVAL:

DESCRIPTION:



0 - 21'

SHALE (weathered from surface to 6')

21' - 25'

SANDSTONE

25' - 25.5'

SHALE

25.5' -
OLD WORKS (MARY LEE SEAM)

B.O.H.



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

DRAWN BY: K.E.S.
DWG. NAME: CCRCDH-10A

DATE: 6/12/09

APPROVED BY: A.P.H.

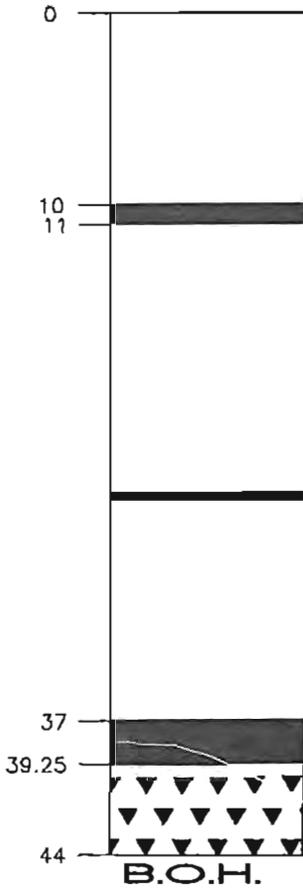
SCALE: 1" = 10' vertical

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

\\perc\users\kess\A\PROJECTS\10A\10A.dwg, 2009/06/12 14:40

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

B.O.H.



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

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

DRAWN BY: K.E.S.
DWG. NAME: CCRCDH-12

DATE: 5/27/09

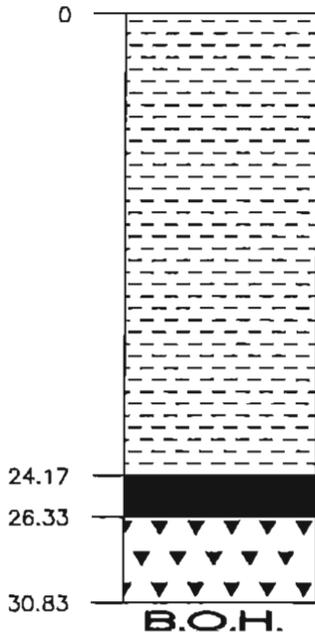
APPROVED BY: A.P.H.

SCALE: 1" = 10' vertical

\\pvc603a\user\csl\VEP\proj\CCRC\2009-2010\05171018 03125

INTERVAL:

DESCRIPTION:



0 - 24.17'

SHALE

24.17' - 26.33'

COAL (MARY LEE SEAM)

26.33' - 30.83'

UNDER CLAY

NOTES:

DRILL HOLES DRILLED &
LOGGED BY J. BEAIRD
OF CORDOVA CLAY COMPANY, INC.

DRILL: CHICAGO PNEUMATIC 650 SS
6 3/4" DRILL BIT

Y:\SAE\A\PH\CordovaClay-RicoetonNo3-DH.dwg 10/22/15 08:49



PERC
ENGINEERING CO., INC.
1888 Pop. 78 Blvd. Jasper, AL 36020 / P.O. Box 1779-36824
(205) 384-8283 (Office) (205) 384-3714 (Fax)

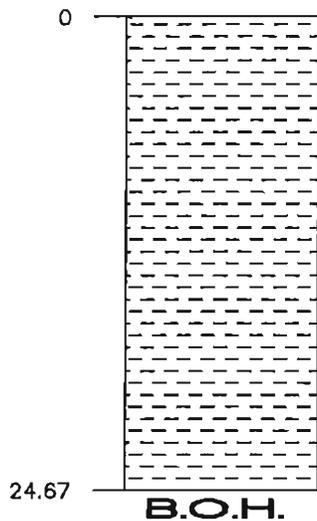
CORDOVA CLAY COMPANY, INC.
RICOETON No.3 CLAY MINE
WALKER COUNTY
DH-18

.DWG NAME: CordovaClay-RicoetonNo3-DH
DRAWN BY: S.A.E.
APPROVED BY: A.P.H.

DATE: 10-13-15
SCALE: 1"=10' Vertical
JOB NUMBER: 02-03875-002

INTERVAL:

DESCRIPTION:



0 - 24.67'

SHALE

24.67'

OLD WORKS (AIR LOSS)

NOTES:

DRILL HOLES DRILLED &
LOGGED BY J. BEAIRD
OF CORDOVA CLAY COMPANY, INC.

DRILL: CHICAGO PNEUMATIC 850 SS
6 3/4" DRILL BIT

X:\S&E\A\PH\CordovaClay-RicetonNo3-DH.dwg 10/22/15 DBE-49



PERC
ENGINEERING CO., INC.

1650 Hwy 78 West Jasper, AL 35894, P.O. Box 1712-0802
(205) 384-6822 Office (205) 384-3714 Fax

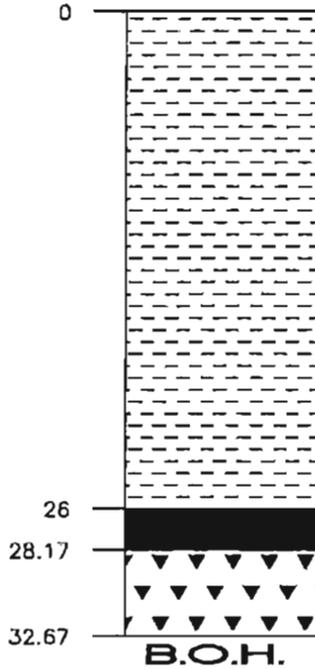
CORDOVA CLAY COMPANY, INC.
RICETON No.3 CLAY MINE
WALKER COUNTY
DH-14

.DWG NAME: CordovaClay-RicetonNo3-DH
DRAWN BY: S.A.E.
APPROVED BY: A.P.H.

DATE: 10-13-15
SCALE: 1"=10' Vertical
JOB NUMBER: 02-03875-002

INTERVAL:

DESCRIPTION:



0 - 26'

SHALE

26' - 28.17'

COAL (MARY LEE SEAM)

28.17' - 32.67'

UNDER CLAY

NOTES:

DRILL HOLES DRILLED &
LOGGED BY J. BEAIRD
OF CORDOVA CLAY COMPANY, INC.

DRILL: CHICAGO PNEUMATIC 650 SS
6 3/4" DRILL BIT

Y:\SALE\APR\CordovaClay-RiceLonNo3-DH.dwg 10/22/15 08:49



PERC
ENGINEERING CO., INC.
1608 Hwy. 78 West Jasper, AL 36503, P.O. Box 1773-36502
(205) 354-6983 Office (205) 355-3714 Fax

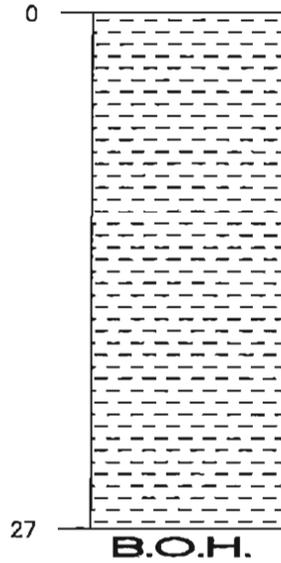
CORDOVA CLAY COMPANY, INC.
RICEYTON No.3 CLAY MINE
WALKER COUNTY
DH-15

DWG NAME: CordovaClay-RiceLonNo3-DH
DRAWN BY: S.A.E.
APPROVED BY: A.P.H.

DATE: 10-13-15
SCALE: 1"=10' Vertical
JOB NUMBER: 02-03875-002

INTERVAL:

DESCRIPTION:



0 - 27'

SHALE

27'

OLD WORKS (AIR LOSS)

B.O.H.

NOTES:

DRILL HOLES DRILLED &
LOGGED BY J. BEAIRD
OF CORDOVA CLAY COMPANY, INC.

DRILL: CHICAGO PNEUMATIC 650 SS
6 3/4" DRILL BIT

X:\S&E\perm\CordovaClay-RicetonNo3-DH.dwg 10/22/15 DB: 49



PERC
ENGINEERING CO., INC.

1628 Hwy. 76 West Jasper, AL 35897-7414
(205) 334-8823 Office (205) 334-3714 Fax

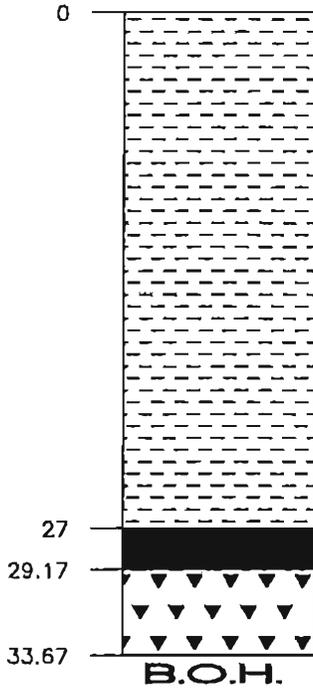
CORDOVA CLAY COMPANY, INC.
RICETON No.3 CLAY MINE
WALKER COUNTY
DH-16

.DWG NAME: CordovaClay-RicetonNo3-DH
DRAWN BY: S.A.E.
APPROVED BY: A.P.H.

DATE: 10-13-15
SCALE: 1"=10' Vertical
JOB NUMBER: 02-03875-002

INTERVAL:

DESCRIPTION:



0 - 27'

SHALE

27' - 29.17'

COAL (MARY LEE SEAM)

29.17' - 33.67'

UNDER CLAY

B.O.H.

NOTES:

DRILL HOLES DRILLED &
LOGGED BY J. BEAIRD
OF CORDOVA CLAY COMPANY, INC.

DRILL: CHICAGO PNEUMATIC 650 SS
6 3/4" DRILL BIT

Y:\S&E\APH\CordovaClay-RicetonNo3-DH.dwg 10/22/15 08:49



PEIRC
ENGINEERING CO., INC.
1800 Hwy. 78 West, Jasper, AL 35701, P.O. Box 1719-20000
(205) 384-8800 Mobile (205) 388-0914 Fax

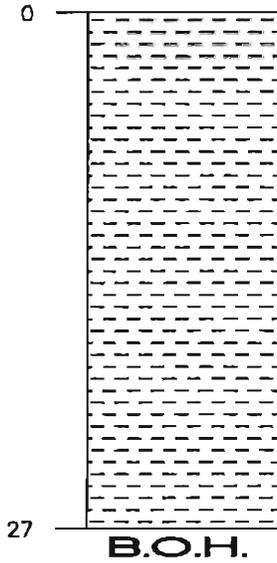
CORDOVA CLAY COMPANY, INC.
RICETON No.3 CLAY MINE
WALKER COUNTY
DH-17

.DWG NAME: CordovaClay-RicetonNo3-DH
DRAWN BY: S.A.E.
APPROVED BY: A.P.H.

DATE: 10-13-15
SCALE: 1"=10' Vertical
JOB NUMBER: 02-03875-002

INTERVAL:

DESCRIPTION:



0 - 27'

SHALE

27'

OLD WORKS (AIR LOSS)

NOTES:

DRILL HOLES DRILLED &
LOGGED BY J. BEAIRD
OF CORDOVA CLAY COMPANY, INC.

DRILL: CHICAGO PNEUMATIC 650 SS
6 3/4" DRILL BIT

Y:\SALES\APM\CordovaClay-RicetonNo3-DH.dwg 10/22/15 08:49



PERC
ENGINEERING CO., INC.

1818 Hwy. 78 West Jasper, Mo. 64801 P.O. Box 173-2828
(417) 426-2828 Office (417) 426-3714 Fax

CORDOVA CLAY COMPANY, INC.
RICETON No.3 CLAY MINE
WALKER COUNTY
DE-18

.DWG NAME: CordovaClay-RicetonNo3-DH
DRAWN BY: S.A.E.
APPROVED BY: A.P.H.

DATE: 10-13-15
SCALE: 1"=10' Vertical
JOB NUMBER: 02-03875-002

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

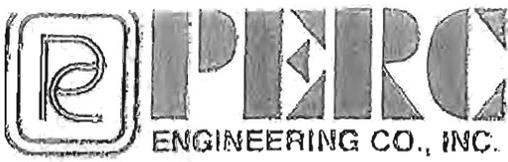
12" of new castle @ 10'

27" of mary lee @ 37'

57" of clay under mary lee seam

N 33 46 14.4

W087 09 29.6



Telephone: (205) 384-5553
Facsimile: (205) 295-3114 - Main Build
(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

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

TESTING DONE ACCORDING TO ASTM STANDARDS.



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

<u>LAB ID</u>	<u>MATERIAL TYPE</u>	<u>SPECIFIC GRAVITY</u>	<u>POUNDS PER CUBIC FOOT</u>
7826	Mary Lee	1.374	85.44

TESTING DONE ACCORDING TO ASTM STANDARDS.

PILLARS 12.6% OF MINE AREA

Mary Lee at 26' (26") DH-16 O.W. @ 27'
 Mary Lee at 26' (26") DH-17 O.W. @ 27'
 Mary Lee at 26' (26") DH-15 O.W. @ 27'
 DH-14 O.W. @ 25'
 DH-13 Mary Lee at 24' (26")

DH-9
 O.W. @ 30'

DH-10 MARY LEE @ 25.5' (30")
 DH-10A O.W. @ 25.5'

DH-12 NEW CASTLE @ 10'
 MARY LEE @ 37' (27")
 DH-11 NEW CASTLE @ 9'; MARY LEE @ 37' (28")
 DH-11A NEW CASTLE @ 10'; MARY LEE @ 37' (28")

DH-8
 O.W. 27'

DH-7
 O.W. @ 25' (AIR LOSS)

DH-6
 O.W. @ 26'

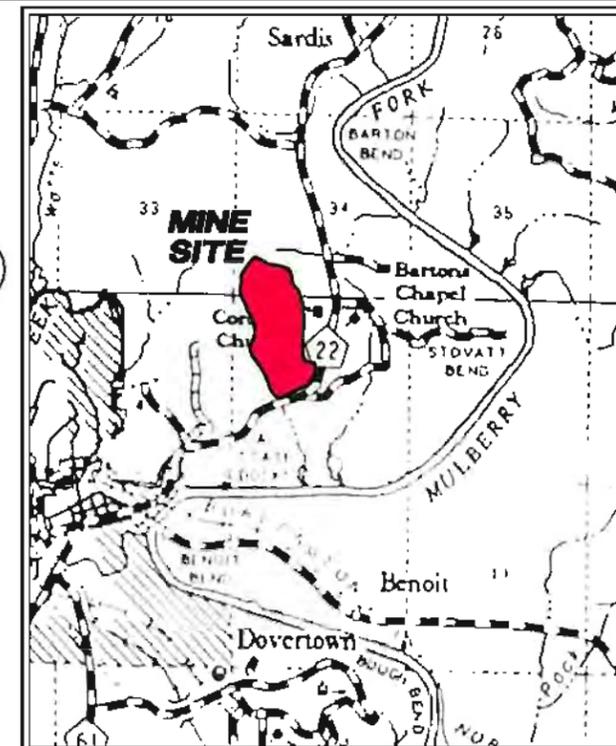
DH-5
 DH-5A
 MARY LEE @ 27'
 O.W. @ 27' (26")

DH-4
 22' SPOIL
 MARY LEE @ 39' (28")

DH-3
 NEW CASTLE @ 7'
 O.W. @ 36'

361.1

Scale: 1" = 500'



VICINITY MAP
 Scale: 1" = 2 Miles

LEGEND

- Exemption Area Boundary - 2.5 Acres
- E-0051 Exemption Area Boundary
- E-0054 Exemption Area Boundary
- 600— Surface Contour
- DH-1 ● 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.



**CORDOVA CLAY COMPANY, INC.
 RICETON NO. 2 & 3 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

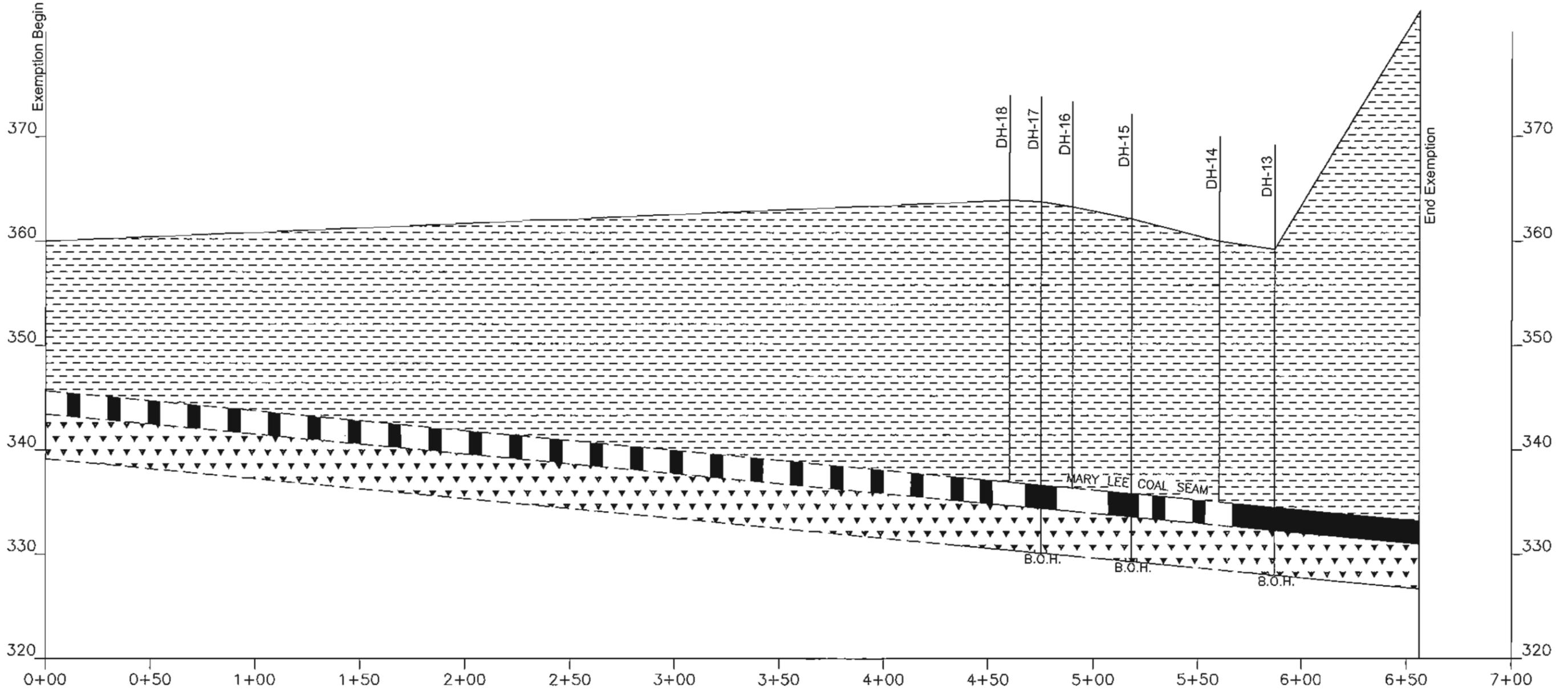
DRAWN BY: S.A.E.	DATE: 03/01/16
DWG. NAME: CCRM4	
APPROVED BY: L.G.S.	SCALE: 1"=200'

K:\Data\proj\ccrm4.dwg 03/01/16 10:02

D**D'**

NW

SE



SCALE:
 HORIZONTAL 1"=50'
 VERTICAL 1"=10'

LEGEND

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

NOTE: LITHOLOGIES DASHED WHERE INFERRED.



Cordova Clay Company, Inc.
Rioeton No. 3 Clay Mine
Cross-Section D-D'
Exemption Permit

DWG NAME: CordovaClay-RioetonNo3-AA	DATE: 14-2-15
DRAWN BY: S.A.E.	SCALE: AS SHOWN
APPROVED BY: A.P.H.	JOB NUMBER: 02-03875-002

I:\SAE\MPH\CordovaClay-RioetonNo3-AA.dwg 11/10/15 08:47

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. 3 Clay Mine facility and logged by Paul Henry, Professional Geologist, under my supervision. I hereby certify that it is true and correct to the best of my knowledge, information and belief.

Leslie G. Stephens

Date: MARCH 1, 2016

Leslie G. Stephens, P.E. & P.L.S.
Alabama Reg. No. 14117-E



- 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 18,590 Tons Coal 2,110 Tons

Note: An additional permit might be requested at a later date at this general location based on the future demand of coal & clay.

- 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 18,590 Tons @ \$10.00/Ton = \$185,900

Coal (Mary Lee) 2,110 Tons @ \$51.50/Ton = \$108,665

- 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

- 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.

CORDOVA CLAY COMPANY, INC.
RICETON NO.3 CLAY MINE
ASMC EXEMPTION APPLICATION
ATTACHMENT 18.

The area to be exempted under this permit consists of approximately 2.5 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; June 12, 2009 and August 19, 2015. 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 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.

The drill holes that were drilled on August 19, 2015 were drilled and logged by Joey Beaird (Cordova Clay Company, Inc.). These drill holes are identified by DH-13 through DH-18. The scope of this exploratory drilling was to determine the depth and thickness of coal, the depth of old works encountered, and the depth and thickness of the Mary Lee Clay.

CORDOVA CLAY COMPANY, INC.
 RICETON NO. 3 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	-----
DH-13	-----	2.16	4.5	-----
DH-14	-----	OLD WORKS	-----	-----
DH-15	-----	2.17	4.5	-----
DH-16	-----	OLD WORKS	-----	-----
DH-17	-----	2.17	4.5	-----
DH-18	-----	OLD WORKS	-----	-----
AVG.	0.88*	2.25	4.49	6.0 [^]

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

CORDOVA CLAY COMPANY, INC.
 RICETON NO. 3 CLAY MINE
 ASMC EXEMPTION APPLICATION
 ATTACHMENT 18.

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
<u>Hole No.</u>		<u>Thickness</u>
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:

$$\begin{aligned}
 \text{Tons of Clay per Acre} &= (\text{Clay Density}) (\text{Clay Thickness}) (43,560/2000) \\
 &= (168.26) (3.17) (43,560/2000) \\
 &= 11,617 \text{ Tons of Clay per Acre}
 \end{aligned}$$

$$\begin{aligned}
 \text{Tons of Coal per Acre} &= (\text{Coal Density}) (\text{Coal Thickness}) (43,560/2000) (31.5\% \\
 &\quad \text{Recovery}) \\
 &= (85.44) (2.25) (43,560/2000) (0.315) \\
 &= 1,319 \text{ Tons of Coal per Acre}
 \end{aligned}$$

It is our opinion that the drilling does not conflict with recovery rates from the adjoining Exemption Permit E-0054. Actual recovery rates at E-0054 is the best prediction for recovery rates for this proposed Riceton No. 3 Clay Mine Exemption Permit.

CORDOVA CLAY COMPANY, INC.
RICETON NO. 3 CLAY MINE
ASMC EXEMPTION APPLICATION
ATTACHMENT 18

The following quantities are from the Cordova Clay Annual Report for Exemption Permit E-0051-12/4 2012 & E-0054 9/9/2014, Report for Period Ended 6/30/2015:

Tons of Coal per Acre:

2,082.42 Tons / 2.4 Acres = 868 Tons of Coal per Acre

Tons of Clay per Acre:

14,867 Tons / 2.4 Acres = 6,195 Tons of Clay per Acre

868 Tons of Coal per Acre / 868 Tons of Coal per Acre + 6,195 Tons of Clay per Acre yields a coal tonnage ratio of *12.3%*.

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 $16 \frac{2}{3} \%$ 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.

CORDOVA CLAY COMPANY, INC.
RICETON NO. 3 CLAY MINE
ASMC EXEMPTION APPLICATION
ATTACHMENT 18

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 18,590 TPY @ \$10.00/T = \$185,900
Coal: 2,110 TPY @ \$51.50/T = \$108,665 (Mary Lee)

(However, with the projected clay sales revenue from the 18,590 tons per year (contract sales), this equates to 1.6 mined acres per year (18,590 TPY / 11,617 Tons of Clay per Acre). Since 1.6 mined acres per year is estimated, the following is a monetary breakdown of each mineral:

- ◆ Mary Lee Coal:
(1.6 acres)(1,319 Tons/Acre) = 2,110 Tons
(2,110 Tons) (\$51.50 per Ton) = \$108,665
- ◆ Mary Lee Clay:
(1.6 acres)(11,617 Tons/Acre) = 18,590 Tons
(18,590 Tons) (\$10.00 per Ton) = \$185,900

The following calculates the estimated revenue and tonnage produced from the mining and sale of the coal from the site versus the cumulative revenue and tonnage of the sale of coal, clay and shale that will not exceed the allowable 50% and 16 2/3% respectively:

The estimated ratio of revenue produced from the sale of the coal for the 1.6 Acre example versus the cumulative revenue of the sale of coal and other minerals is Mary Lee Coal (\$108,665) + Clay (\$185,900) = \$294,565. Coal Revenues of \$108,665 / Total Revenues of \$294,565 = 36.9% of Revenues from Coal, which is less than the allowable 50%.

The estimated ratio of tonnage of Mary Lee Coal produced from the site for the same 1.6 acre example versus the cumulative tonnage of coal, clay, and shale is 2,110 tons of coal / (2,110 tons of coal + 18,590 tons of clay) = 2,110 / 20,700 = 10.2% of tonnage from coal, which is less than the allowable 16 2/3%.

CORDOVA CLAY COMPANY, INC.
RICETON NO. 3 CLAY MINE
ASMC EXEMPTION APPLICATION
ATTACHMENT 18

Based on the ASMC Annual Report (Report for Period Ending June 30, 2015) for the adjacent Exemption Permit E-0054, year end Sales Totals were as follows:

Coal Tons/Coal & Clay Tons
 $2,082.42 / 2,082.42 + 14,867.44 = 12.29\%$

Coal Revenue/Coal & Clay Revenue
 $\$107,441.54 / \$107,441.54 + \$136,184.84 = 44.1\%$

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

ALABAMA SURFACE MINING COMMISSION
P.O. BOX 2390
JASPER, AL 35502-2390

ANNUAL REPORT

For mine sites extracting coal pursuant to an approved exemption for the extraction of coal incidental to the extraction of other minerals.

PART I

County of Operation: Walker Exemption Number: E-0051-12/4/2012 & E-0054 - 9/9/2014

Name of Operator: Cordova Clay Company, Inc.

Address: 1091 Brick Plant Road

City: Cordova State: Alabama Zip: 35550

Contact Person: Joey Gail Beard (CELL 275-3151)

Telephone: (205) ~~483-7449~~ 483-7385 ext

Identify by type (e.g. clay, shale) all minerals other than coal produced from the exemption site: Clay and Shale

PART II

- A. On what date (month, day, year) did coal extraction commence within the approved exemption area?
4/2013
- B. On what date (month, day, year) did the extraction of minerals other than coal commence within the approved exemption area?
1/2013
- C. Enter the earlier of the above dates as the beginning date for reporting cumulative production: 1/2013
- D. Place an X by the date that represents the last day of the calendar quarter during which coal extraction commenced at this exemption site:
March 31 _____, June 30 X, September 30 _____, December 31 _____
This is your ending date for reporting purposes.

PART III

ANNUAL PRODUCTION INFORMATION

Provide the following information for the 12-month period ending with the ending date referenced in Part II D above:

- A. Number of tons of coal extracted: 2,082.42
- B. Number of tons of coal sold: 2,082.42
- Total revenue derived from these sales: \$107,441.54

- C. Number of tons of coal used or transferred (but not sold): 0.00
 Estimated total fair market value of this coal: \$0.00
- D. Number of tons of coal stockpiled: 0.00
- E. Number of tons of other minerals extracted: 14,867.44
- F. Number of tons of other minerals sold: 14,207.24
 Total revenue derived from these sales: \$136,184.84
- G. Number of tons of other minerals used or transferred (but not sold): 0.00
 Estimated total fair market value of these other minerals: \$0.00
- H. Number of tons of other minerals stockpiled: 660.20

PART IV

CUMMULATIVE PRODUCTION INFORMATION

Provide the following information for production occurring since commencement of mining within the extraction area (Part II, C) and your ending date for annual reporting purposes (Part II, D):

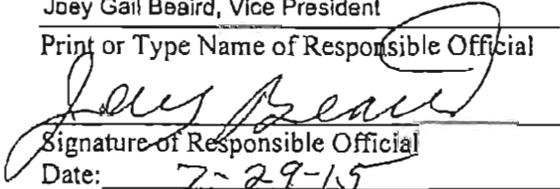
- A. Number of tons of coal extracted: 2,082.42
- B. Number of tons of coal sold: 2,082.42
 Total revenue derived from these sales: \$107,441.54
- C. Number of tons of coal used or transferred (but not sold): 0.00
 Estimated total fair market value of this coal: 0.00
- D. Number of tons of other minerals extracted: 14,867.44
- E. Number of tons of other minerals sold: 14,207.24
 Total revenue derived from these sales: \$136,184.84
- F. Number of tons of other minerals used or transferred (but not sold): 0.00
 Estimated total fair market value of these other minerals: \$0.00

CERTIFICATION STATEMENT

"I certify under penalty of law that this document and any attachment were prepared by me or at my direction and the information submitted is, to the best of my knowledge, true and complete. I am aware that there are significant penalties under the law for submitting false information to the Commission, including fines and imprisonment for knowing violations."

Joey Gail Beard, Vice President

Print or Type Name of Responsible Official


 Signature of Responsible Official

Date: 7-29-15

ATTENTION: This report must be filed with the Alabama Surface Mining Commission no later than 30 days after the end of each annual 12-month reporting period.

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,

A handwritten signature in black ink, appearing to read "R. Jason Crump", written over a light blue rectangular background.

R. Jason Crump
J Crump Sales, Inc.

adh



daltile™

Fayette Plant

Quality People Making Quality Products Safely

March 29, 2016

Mr. Johnathan Hall
Director
State of Alabama Surface Mining Commission
P.O. Box 2390
Jasper, AL 35502-2390

Dear Mr. Hall,

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 20,473 tons at a price of \$9/ton from a purchased 40,000 ton stockpile. We also received 29,687 tons from another mine site at a price of \$10/ ton. We expect to continue to receive 2,200 tons every two months in the future as clay quality and mining activities permit.

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

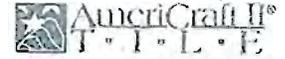
Sincerely,

Valerie J. Watts
Plant Manager, Dal-Tile Fayette AL Facility

cc: Gail Beard, President of Cordova Clay
Joey Beard, Vice President of Cordova Clay



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



April 8, 2016

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,

A handwritten signature in black ink, appearing to read "Antonio C. Azofin", written over a horizontal line.

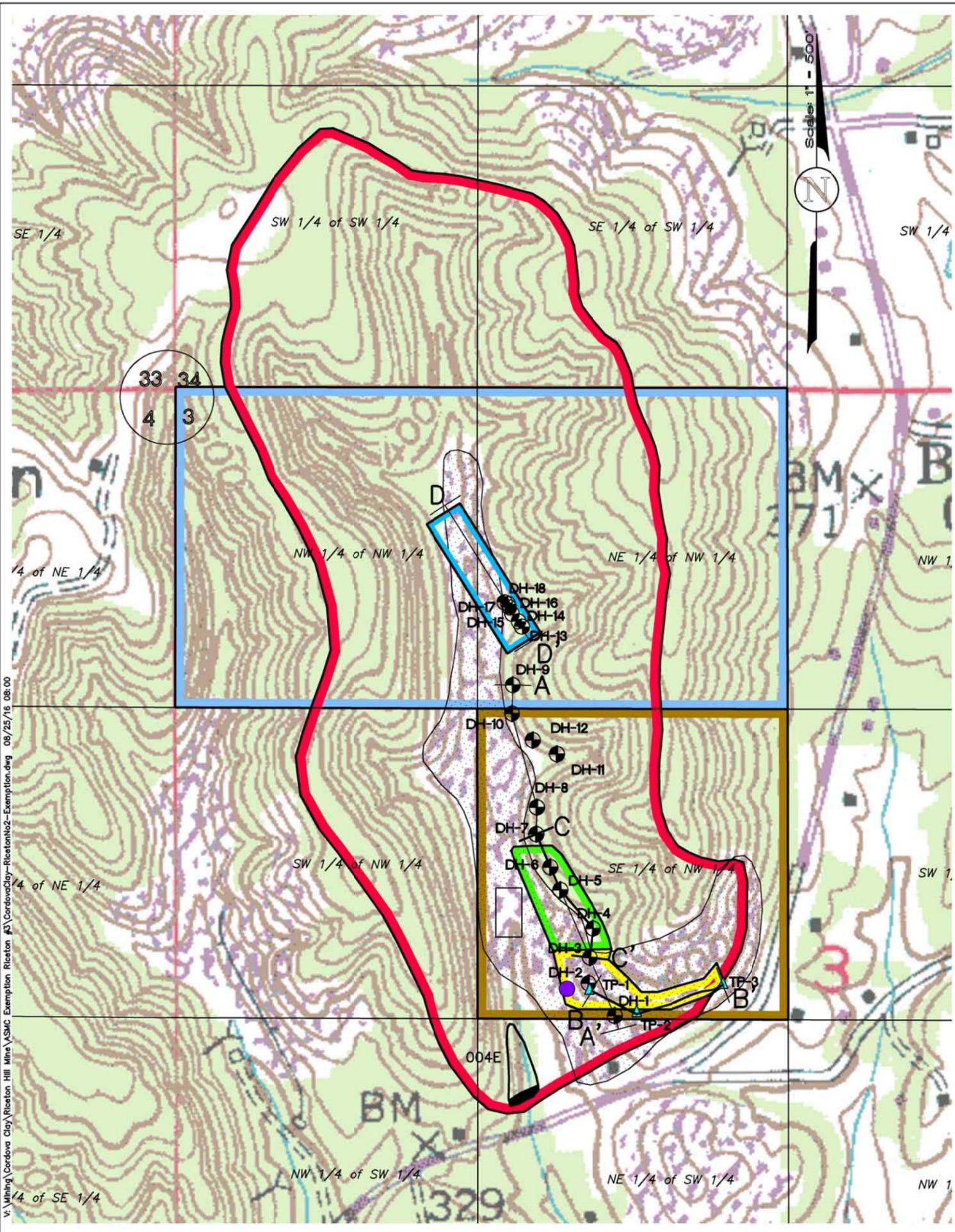
Antonio C. Azofin
President

SECTION III
MAPS AND DRAWINGS

21. General Requirements

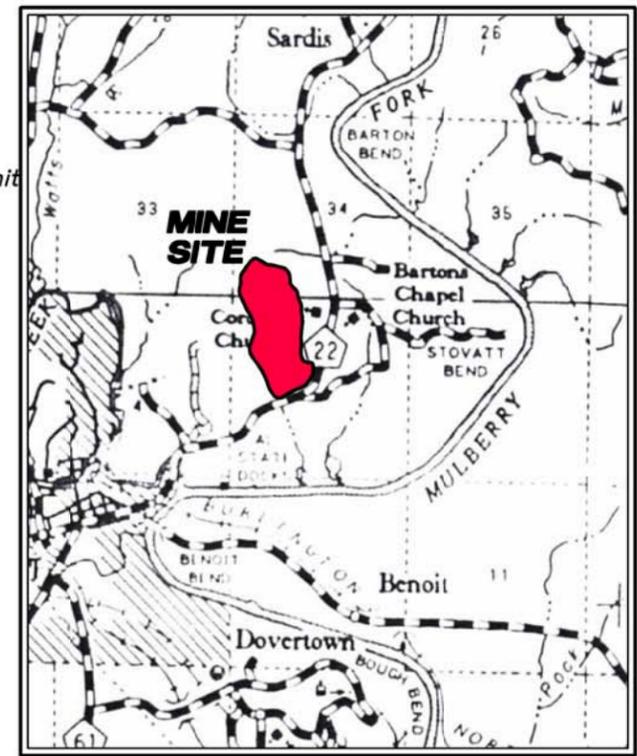
880-X-2e-.05(11)

- A. No map or drawing should be smaller than 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.
 - o 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.
 - o 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 – 2.5 Acres added to D.I.R. Permit
- E-0054 Exemption Area Boundary
- E-0051 Exemption Area Boundary
- Surface Contour
- Drill Hole
- Cross Section
- Existing Highwall
- Previous Disturbance
- ADEM NPDES Permit No. AL0047198 Boundary
- D.I.R. Permit No. 014878 Total of 12.5 Acres
- D.I.R. Permit No. 014532 Total of 10.0 Acres
- 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.



CORDOVA CLAY COMPANY, INC.
RICETON NO 3 CLAY MINE
EXEMPTION AREA MAP

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

.DWG NAME: CordovaClay-RicetonNo2-Exemption	DATE: 08-24-2016
DRAWN BY: S.A.E.	SCALE: 1"=500'
APPROVED BY: A.P.H.	JOB NUMBER: 02-03875-002

V:\Mining\Cordova Clay\Riceton Hill Mine\ASMC Exemption Riceton #3\CordovaClay-RicetonNo2-Exemption.dwg 08/25/16 08:00