

STATE OF OHIO  
DEPARTMENT OF NATURAL  
RESOURCES

Division of Oil and Gas  
Resources Management  
WELL PERMIT

API WELL NUMBER  
**34-067-2-1073-00-00**

OWNER NAME, ADDRESS

CHESAPEAKE EXPLORATION LLC  
P O BOX 18496  
OKLAHOMA CITY

OK 73154 0496

DATE ISSUED

5/25/2012

PERMIT EXPIRES

5/25/2014

TELEPHONE NUMBER

(405) 935-4073

IS HEREBY GRANTED PERMISSION TO: Drill New Well, horizontally

AND ABANDON WELL IF UNPRODUCTIVE

PURPOSE OF WELL: Oil & Gas

COMPLETION DATE IF PERMIT TO PLUG:

DESIGNATION AND LOCATION:

LEASE NAME ADDY 9-12-6  
WELL NUMBER 5H  
COUNTY HARRISON  
CIVIL TOWNSHIP STOCK  
TRACT OR ALLOTMENT  
SURFACE FOOTAGE LOCATION 914'NL & 35'WL OF SEC. 9  
TARGET FOOTAGE LOCATION 556'NL & 2158'EL OF SEC. 16

SURFACE NAD27

X: 2378272  
Y: 248937  
LAT: 40.3418775050755  
LONG: -81.1430297169126

TARGET NAD27

2376178  
254678  
40.3577234333773  
-81.1502215868719

TYPE OF TOOLS: Air Rotary/Fluid Rotary

PROPOSED TOTAL DEPTH 14000 FEET  
GROUND LEVEL ELEVATION 1050 FEET

GEOLOGICAL FORMATION(S):

POINT PLEASANT

**SPECIAL PERMIT CONDITIONS:** Permit is subject to the attached terms and/or conditions  
Horizontal Drilling Well Permit Conditions  
Hydrogen Sulfide Conditions  
Horizontal Well/Pre-Permitting Site Conditions

CONDITIONALLY APPROVED CASING PROGRAM (SUBJECT TO APPROVAL OF THE OIL AND GAS WELL INSPECTOR):

CONDUCTOR MINIMUM OF 60' (IF AIR)  
13 3/8" MINIMUM OF 500' CEMENT CIRCULATED TO SURFACE  
9 5/8 " APPROX. 2400' WITH CEMENT CIRCULATED TO SURFACE  
5 1/2" PRODUCTION CASING CEMENTED IF PRODUCTIVE  
"BLOW OUT PREVENTOR REQUIRED" HAZARDOUS CONDITIONS MAY BE ENCOUNTERED  
ALL DUE PRECAUTIONS SHOULD BE TAKEN

This permit is NOT TRANSFERABLE. This permit, or an exact copy thereof, must be displayed in a conspicuous and easily accessible place at the well site before permitted activity commences and remain until the well is completed. Ample notification to inspector is necessary.

OIL AND GAS WELL INSPECTOR:

BRETT FARNSWORTH (330) 284-1409  
EUGENE CHINI - Supervisor (330) 284-2942  
DISTRICT #: (330) 896-0616

INSPECTOR NOTIFICATION

The oil and gas inspector must be notified at least 24 hours prior to:

1. Commencement of site construction
2. Pit excavation and closure
3. Commencement of drilling, reopening, converting or plugback operations
4. Installation and cementing of all casing strings
5. BOP testing
6. Well stimulation
7. Plugging operations

The oil and gas inspector must be notified immediately upon:

1. Discovery of defective well construction
2. Detection of any natural gas or H2S gas during drilling in urban areas
3. Discovery of defective well construction during well stimulation
4. Determination that a well is a lost hole
5. Determination that a well is a dry hole

FIRE AND EMERGENCY NUMBERS

FIRE: ( ) - 911  
MEDICAL SERVICE ( ) - 911

**Richard J. Simmers**

CHIEF, Division of Oil and Gas Resources  
Management

STATE OF OHIO  
DEPARTMENT OF NATURAL  
RESOURCES

Division of Oil and Gas  
Resources Management  
WELL PERMIT

API WELL NUMBER  
34-067-2-1073-00-00

CHESAPEAKE EXPLORATION LLC  
P O BOX 18496  
OKLAHOMA CITY, OK 73154-0496



The Ohio Department of Natural Resources  
The Division of Oil and Gas Resources Management  
2045 Morse Road, Building F-2  
Columbus, Ohio 43229-6693

## **HORIZONTAL DRILLING PERMIT CONDITIONS**

Within thirty (30) days of completion of drilling operations, the following items **must** be submitted to the Division of Oil and Gas Resources Management:

- A copy of the bore hole deviation survey
- A revised surveyor's plat showing:
  1. Surface Location;
  2. Actual entry into the target formation;
  3. Actual ending point of the bore hole in the target formation;
  4. X, Y coordinates of the above three points.
- A fifty-dollar (\$ 50.00) fee for the revised surveyor's plat.

November 14, 1988  
Revised: November 19, 2007  
Revised: August 4, 2011

**THESE STIPULATIONS MUST BE DISPLAYED WITH THE PERMIT IN A CONSPICUOUS PLACE AT THE WELL SITE IN ACCORDANCE WITH SECTION 1509.05 OF THE OHIO REVISED CODE.**

### **HYDROGEN SULFIDE GAS PERMIT CONDITIONS**

**ALERT:**

Hydrogen sulfide gas has been encountered in the "Big Lime" section in this township. Hydrogen sulfide can cause corrosion of the casing and tubing strings, deterioration of the surface equipment, contamination of fresh water resources and is a potential hazard to the health and safety of drilling crew workers, service company personnel, Division staff, and the local public. **Pursuant to 1509.17 of the Revised Code, the following permit conditions must be followed while drilling this well.**

1. If hydrogen sulfide gas is encountered in the "Big Lime" section and the well is being drilled on air, the rig shall convert to fluid drilling and shall remain on fluid until total depth or until the hydrogen sulfide zone is cemented.
2. Once set, the casing shall be cemented with a sufficient volume of SULFATE RESISTANT cement so as to provide a continuous sheath of cement to the top of the "Big Lime" section.
3. If the specific gas bearing zone can be identified it is only necessary to cement across the identified zone. A minimum of one hundred (100) feet of SULFATE RESISTANT cement shall be placed across the hydrogen sulfide bearing zone.
4. The Division's field inspector must be notified at least 12 hours prior to cementing this string of casing.



# DAILY ROUTE SLIP

APPLICATION NO. aAMY0001102 TYPE: Drill New Well, horizontal

CONAME CHESAPEAKE EXPLORATION API

WELL NAME /NO. ADDY 9-12-6 5H

COUNTY 67 HARRISON INITIALS DATE

DATE APPLICATION REC'D Am 5/14/2012

PERMIT FEE AND CHECK NO. \$500.00 1787736

RUSH AMOUNT RUSH CHECK NO. \$0.00 0

APPLICATION ENTERED Am 5/14/2012

APPLICATIONS AND PLATS SENT  
FOR MINE APPROVAL

COAL APPROVAL RECEIVED

OIL/GAS AFFIDAVIT REC'D Am 5/14/2012

~~URBANIZED AREA~~ <sup>Shale</sup> NOTIFICATION SENT Am 5/14/2012

URBANIZED AREA NOTIFICATION  
SENT TO INSPECTOR/REC'D BACK

URBAN MAP REVIEW

SAMPLES: YES      /SPECIAL AREAS

GEOLOGIST APPROVAL

MDW<sup>50</sup> 5/24/2012

DATA ENTRY /ISSUED

pn 5/25/12

PERMIT: TAKEN      MAILED ✓

pn 5/29/12

FAX TO:     

FINAL MAP CHECK

SR 6/7/12

COMMENTS: Send Horizontal Drilling Surface Conditions

Send Horizontal Drilling Conditions

Send Hydrogen Sulfide Conditions

# Proof Sheet

|                    |                            |                     |                          |
|--------------------|----------------------------|---------------------|--------------------------|
| APPL NUMBER        | aAMY0001102                | URBANIZED AREA ?    | <input type="checkbox"/> |
| OWNER NUMBER       | 8756                       | NAME                |                          |
| OWNER NAME         | CHESAPEAKE EXPLORATION LLC |                     |                          |
| EXISTING WELL      | 0                          |                     |                          |
| API PERMIT NO      |                            | DISPOSAL PLAN 1     | ND                       |
| APPL TYPE          | HX                         | DISPOSAL PLAN 2     |                          |
| TYPE OF WELL       | OG                         | DISPOSAL PLAN 3     |                          |
| VARIANCE REQUEST   |                            | DISPOSAL PLAN 4     |                          |
| WELL NAME          | ADDY 9-12-6                | DISPOSAL PLAN 5     |                          |
| WELL NUMBER        | 5H                         | MP Check #          | 0                        |
| PREV/PROPOSED TD   | 14000                      |                     |                          |
| DRILL UNIT ACRES   | 152.71                     |                     |                          |
| TYPE OF TOOL       | RTAF                       |                     |                          |
| WELL CLASS         | EDPW                       | PROPOSED FORMATIONS |                          |
| FIRE PHONE         | ( ) - 911                  | POINT PLEASANT      |                          |
| MEDICAL PHONE      | ( ) - 911                  |                     |                          |
| COUNTY CODE        | 67                         |                     |                          |
| COUNTY NAME        | HARRISON                   |                     |                          |
| COAL (Y=-1/N=0)    | -1                         |                     |                          |
| CIVIL TOWNSHIP     | STOCK                      | TARG CIVIL TWP      | STOCK                    |
| SURF QUAD          | DEERSVILLE                 | TARG QUAD           | DEERSVILLE               |
| Nad 27 SURF ORIG X | 2,378,272 ✓                | Nad 27 TARG ORIG X  | 2,376,178 ✓              |
| Nad 27 SURF ORIG Y | 248,937 ✓                  | Nad 27 TARG ORIG Y  | 254,678 ✓                |
| GROUND ELEVATION   | 1050 ✓                     | TARG ELEV           | 1220 0                   |
| SURF SEC           | 9                          | TARG SECTION        | 16 9                     |
| SURF LOT           |                            | TARG LOT            |                          |
| SURF QTR TWP       |                            | TARG QTR TWP        |                          |
| SURF ALLOT         |                            | TARG ALLOT          |                          |
| SURF TRACT         |                            | TARG TRACT          |                          |
| SURF FRACTION      |                            | TARG FRACTION       |                          |



# Proof Sheet

## SURFACE FOOTAGE

|                           |
|---------------------------|
| 914' NL & 35' WL OF SEC 9 |
|                           |
|                           |
|                           |
|                           |

## TARGET FOOTAGE

|                              |
|------------------------------|
| 556' NL & 2158' EL OF SEC 16 |
|                              |
|                              |
|                              |
|                              |

## CASING PROGRAM

|    |        |      |
|----|--------|------|
| 04 |        |      |
| 60 | 13 3/8 | 500  |
| 09 | 9 5/8  | 2400 |
| 19 | 5 1/2  |      |
| 26 |        |      |
| 27 |        |      |
|    |        |      |
|    |        |      |

## SPECIAL CONDITIONS/COMMENTS

|       |
|-------|
| - PER |
| HWSC  |
| HD    |
| HS    |
|       |

COMPLETION DT

MINES APPROVAL

AFFIDAVIT APPROV

FINAL ENTRY DATE

Geo Survey GIS  
No Drift  
No Mines  
No Water Wells



APPLICATION FOR A PERMIT (Form 1)  
OHIO DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS RESOURCES MANAGEMENT

2045 Morse Road, Building F-2  
COLUMBUS, OHIO 43229-6693  
(614) 265-6622

#1787736  
\$500.00

SEE INSTRUCTIONS ON PAGE 2 (BACK)

aAmy 000 1102

|  |   |
|--|---|
| 1. I, We (applicant) <u>Chesapeake Exploration, L.L.C.</u> 2. Owner #: <u>8756</u><br>(address) <u>P.O. Box 18496, Oklahoma City, OK 73154-0496</u> Phone #: <u>(405) 935-2750</u><br>hereby apply this date <u>11-May</u> , 20 <u>12</u> for a permit to:   |   |
| <input type="checkbox"/> Reissue (check appropriate blank) <input type="checkbox"/> Revised Location <input type="checkbox"/> Convert<br><input checked="" type="checkbox"/> Drill New Well <input type="checkbox"/> Plug Back <input type="checkbox"/> Deepen<br><input type="checkbox"/> Drill Directionally <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Reopen<br><input checked="" type="checkbox"/> Drill Horizontally <input type="checkbox"/> Orphan Well Program <input type="checkbox"/> Temporary Inactive  |   |
| 3. TYPE OF WELL: <input checked="" type="checkbox"/> Oil & Gas <input type="checkbox"/> Annular Disposal <input type="checkbox"/> Saltwater Injection<br><input type="checkbox"/> Stratigraphic Test <input type="checkbox"/> Gas Storage <input type="checkbox"/> Other (explain):<br><input type="checkbox"/> Solution Mining* <input type="checkbox"/> Enhanced Recovery* (* if checked, select appropriate box below)<br><input type="checkbox"/> Input/Injection <input type="checkbox"/> Water Supply <input type="checkbox"/> Observation <input checked="" type="checkbox"/> Production/Extraction |   |
| 4. MAIL PERMIT TO:<br><u>Chesapeake Exploration, L.L.C.</u><br>(Same as above)   | 20. TYPE OF TOOLS:<br><input type="checkbox"/> Cable <input type="checkbox"/> Air Rotary<br><input type="checkbox"/> Cable / Air Rotary <input checked="" type="checkbox"/> Air / Fluid Rotary<br><input type="checkbox"/> Cable / Fluid Rotary <input type="checkbox"/> Fluid Rotary<br><input type="checkbox"/> Cable / Air / Fluid Rotary <input type="checkbox"/> Service Rig |
| 5. COUNTY: <u>Harrison</u>   | 21. PROPOSED CASING PROGRAM:<br><u>20" @ 60'</u><br><u>13.375" @ 430'</u><br><u>9.625" @ 2400'</u><br><u>5.5" @ 14000' MD / 7816' TVD</u>   |
| 6. CIVIL TOWNSHIP: <u>Stock; T12N, R6W</u>   | 22. FIRE AND MEDICAL DEPARTMENT TELEPHONE<br>NUMBERS: (closest to well site)<br>Fire: <u>911</u><br>Medical: <u>911</u>   |
| 7. SECTION: <u>9</u> 8. LOT: <u>N/A</u>  | 23. MEANS OF INGRESS & EGRESS:<br>Township Road: <u>Twp Hwy 224</u><br>County Road: <u></u><br>Municipal Road: <u></u><br>State Highway: <u>ST Route 646 (Tappan-Scio Rd)</u>   |
| 9. FRACTION: <u>N/A</u> 10. QTR TWP: <u>N/A</u>  | 24. IS THE WELL LOCATION OR PRODUCTION FACILITIES<br>WITHIN AN URBANIZED AREA AS DEFINED BY 1509.01(Y)?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |
| 11. TRACT / ALLOT: <u>N/A</u>  |   |
| 12. WELL #: <u>5H</u>  |   |
| 13. LEASE NAME: <u>Addy 9-12-6</u>   |   |
| 14. PROPOSED TOTAL DEPTH: <u>7816' (TVD) / 14000' (MD)</u>   |   |
| 15. PROPOSED GEOLOGICAL FORMATION:<br><u>Point Pleasant</u>  |   |
| 16. DRILLING UNIT IN ACRES (must be same as acres<br>indicated on plat): <u>152.71 acres</u> ✓   |   |
| 17. IF PERMITTED PREVIOUSLY:<br>API #: <u></u><br>OWNER: <u>N/A</u><br>WELL #: <u>N/A</u><br>LEASE NAME: <u>N/A</u><br>TOTAL DEPTH: <u>N/A</u><br>GEOLOGICAL FORMATION: <u>N/A</u>   |   |
| 18. IF SURFACE RIGHTS ARE OWNED BY THE OHIO<br>DEPARTMENT OF NATURAL RESOURCES<br>Division Name: <u>N/A</u><br>Division Phone: <u>N/A</u>  |   |
| 19. LANDOWNER ROYALTY INTEREST:<br>Is There An Attached List? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Name: <u></u><br>Address: <u></u><br>Name: <u></u><br>Address: <u></u><br>Name: <u></u><br>Address: <u></u>   |   |

RECEIVED

MAY 14 2012

I, the undersigned, being first duly sworn, depose and state under penalties of law, that I am authorized to make this application, that this application was prepared by me or under my supervision and direction, and that the facts stated herein are true, correct, and complete, to the best of my knowledge.

I, the undersigned, further depose and state that I am the person who has the right to drill on the tract or drilling unit and to drill into and produce from a pool and to appropriate the oil or gas that I produce therefrom either for myself or others as described in this application. And furthermore, I the undersigned, being duly sworn, depose and state at this time that I am not liable for any final nonappealable order of a court for damage to streets, roads, highways, bridges, culverts, or drainage ways pursuant to Section 5577.12 of the Ohio Revised Code (ORC). I, the undersigned, further depose and state that all notices required by 1509.06 (A) (9) ORC for this application have been duly provided by me. If applying for a permit to plug and abandon a well, I hereby certify that the written notice as required in Section 1509.13, ORC, have been given.

That I hereby agree to conform with all provisions of Chapter 1509, ORC, and Chapter 1501, OAC, and all orders and conditions issued by the Chief, Division of Oil and Gas Resources Management.

Signature of Owner/Authorized Agent Ryan DeLong Title Supervisor - Regulatory Compliance

Name (Type or Print) Ryan DeLong

If signed by Authorized Agent, a certificate of appointment of agent must be on file.

Sworn to and subscribed before me this the 11th day of May, 20 12

Bonita Grigg  
(Notary Public)

8/20/2013  
(Date Commission Expires)



LANDOWNER ROYALTY INTEREST HOLDER  
ADDY 9-12-6 5H  
WELL PERMIT APPLICATION  
APRIL 27, 2012

RECEIVED

MAY 14 2012

| NAME/COMPANY                       | MAILING ADDRESS      | CITY      | STATE | ZIP CODE |
|------------------------------------|----------------------|-----------|-------|----------|
| SCOTT LESTER TRUSTEE               | 86600 BUXTON RD      | SCIO      | OH    | 43988    |
| ALBERT & VIRGINIA CRALL            | 86600 CRALL RD.      | SCIO      | OH    | 43988    |
| JERRY & CAROLYN E KOEHLER SMALLEY  | 87070 CRALL RD.      | SCIO      | OH    | 43988    |
| BARBARA & JERRY BESOZZI J&S        | 36600 SCIO-TAPPAN RD | SCIO      | OH    | 43988    |
| ROBERT T & E MIRIAM ADDY J&S       | 36500 TAPPAN-SCIO RD | SCIO      | OH    | 43988    |
| WILLIAM & DOUGLAS W HENDERSON      | 36195 TAPPEN-SCIO RD | SCIO      | OH    | 43988    |
| DENNIS C. & JEANNE WEST KRANKOWSKI | 4097 BUELL DRIVE     | RICHFIELD | OH    | 44286    |
| MICHAEL & SHIRLEY SCIARRA          | 86800 CRALL RD       | SCIO      | OH    | 43988    |
| JODIE L. PILEGGI                   | 87060 CRALL RD       | SCIO      | OH    | 43988    |
| KIRK D. & KAREN J. SHEPHERD        | 12598 BURBANK ROAD   | BURBANK   | OH    | 44214    |





Regulatory Department

May 11, 2012

**VIA UPS NEXT DAY AIR**

Ohio Department of Natural Resources  
Div. Of Mineral Resources Management  
Mr. Steve Opritza, Geologist  
2045 Morse Road, F-2  
Columbus, OH 43229-6693

Re: **Addy 9-12-6 5H – Application for a Permit**

Dear Mr. Opritza:

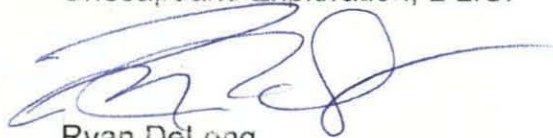
Chesapeake Exploration, L.L.C. submits the enclosed *Application for a Permit* for its proposed Addy 9-12-6 5H well located in Harrison County, Ohio.

This permit application packet includes the original signed Oil & Gas affidavits by Robert T. Addy and Ella M. Addy, and William B. Henderson and Douglas W. Henderson.

If you should have any questions or require additional information, please do not hesitate to contact me.

Sincerely,

Chesapeake Exploration, L.L.C.

  
Ryan DeLong  
Supervisor – Regulatory Compliance

**RECEIVED**

**MAY 14 2012**

Enclosure(s)



# RESTORATION PLAN (Form 4)

Ohio Department of Natural Resources

Division of Oil and Gas Resources Management, 2045 Morse Road, Bldg. F-2, Columbus OH 43229-6693

|  |  |  |              |
|--|--|--|--------------|
| 1. DATE OF APPLICATION: 11-May-12  |  | 3. API #:  |              |
| 2. OWNER NAME, ADDRESS, & TELEPHONE NO.:<br>Chesapeake Exploration, L.L.C.<br>P.O. Box 18496<br>Oklahoma City, OK 73154<br>(405) 935-2750  |  | 4. WELL #: 5H  |              |
|  |  | 5. LEASE NAME: Addy 9-12-6   |              |
|  |  | 6. PROPERTY OWNER: Robert T. & E. Miriam Addy  |              |
|  |  | 7. COUNTY: Harrison  |              |
|  |  | 8. CIVIL TOWNSHIP: Stock, T12N, R6W  |              |
|  |  | 9. SECTION: 9  | 10. LOT: N/A |
| 11. CURRENT LAND USE:  |  | 17. TYPE OF WELL:  |              |
| <input checked="" type="checkbox"/> Cropland <input type="checkbox"/> Commercial<br><input checked="" type="checkbox"/> Pasture <input type="checkbox"/> Idle Land<br><input type="checkbox"/> Wetlands <input type="checkbox"/> Recreational<br><input type="checkbox"/> Residential <input type="checkbox"/> Industrial<br><input type="checkbox"/> Unreclaimed strip mine<br><input type="checkbox"/> Woodland: <input type="checkbox"/> Broadleaf <input type="checkbox"/> Needlelike                        |  | <input checked="" type="checkbox"/> Oil <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Other   |              |
| 12. SLOPE GRADIENT & LENGTH DETERMINED FROM:   |  | 18. STEEPEST SLOPE GRADIENT CROSSING SITE:   |              |
| <input type="checkbox"/> Ground Measurement<br><input type="checkbox"/> U.S. Geological Survey Topographical Maps<br><input checked="" type="checkbox"/> Other: (explain) Aerial Topo Map  |  | <input type="checkbox"/> 0 to 2% <input checked="" type="checkbox"/> 2.1 to 8%<br><input type="checkbox"/> 8.1 to 10%<br><input type="checkbox"/> 10.1 to 24% <input type="checkbox"/> greater than 24%  |              |
| 13. TYPE OF FALL VEGETAL COVER:  |  | 19. LENGTH OF STEEPEST SLOPE CROSSING SITE:  |              |
| <input type="checkbox"/> Little or no vegetal cover<br><input checked="" type="checkbox"/> Short grasses<br><input type="checkbox"/> Tall weeds or short brush (1 to 2 ft.)<br><input type="checkbox"/> Brush or bushes (2 to 6 ft.)<br><input checked="" type="checkbox"/> Agricultural crops<br><input type="checkbox"/> Trees with sparse low brush<br><input type="checkbox"/> Trees with dense low brush  |  | <input type="checkbox"/> 1 to 100 ft. <input type="checkbox"/> 101 to 200 ft.<br><input checked="" type="checkbox"/> 201 to 400 ft. <input type="checkbox"/> greater than 400 ft.  |              |
| 14. SOIL & RESOILING MATERIAL AT WELLSITE:   |  | 20. RESTORATION OF DRILLING PITS: **   |              |
| <input checked="" type="checkbox"/> Stockpile and protect topsoil to be used when preparing seedbed<br><input type="checkbox"/> Use of soil additives (e.g., lime, fertilizer)<br><input type="checkbox"/> No resoiling planned<br><input type="checkbox"/> Proposed alternative   |  | <input type="checkbox"/> Haul drilling fluids and fill pits<br><input type="checkbox"/> Use steel circulating tanks<br><input checked="" type="checkbox"/> Proposed alternative No pits, clsd vol mud sys  |              |
| 15. DISPOSAL PLAN FOR TREES AND TREE STUMPS:   |  | 21. BACKFILLING AND GRADING AT SITE:   |              |
| <input type="checkbox"/> No trees disturbed <input type="checkbox"/> Haul to landfill<br><input checked="" type="checkbox"/> Cut into firewood <input type="checkbox"/> Sell to lumber company<br><input type="checkbox"/> Bury with landowner's approval<br><input checked="" type="checkbox"/> Mulch small trees and branches, erosion control<br><input type="checkbox"/> Use for wildlife habitat with landowner approval<br><input checked="" type="checkbox"/> Proposed alternative Cut Pile Along Acc. Rd |  | <input checked="" type="checkbox"/> Construct diversions channeled to naturally established drainage systems<br><input type="checkbox"/> Construct terraces across slopes<br><input type="checkbox"/> Grade to approximate original contour<br><input checked="" type="checkbox"/> Grade to minimize erosion & control offsite runoff<br><input type="checkbox"/> Proposed alternative   |              |
| 16. SURFACE AND SUBSURFACE DRAINAGE FACILITIES:  |  | 22. VEGETATIVE COVER TO BE ESTABLISHED AT SITE:  |              |
| <input checked="" type="checkbox"/> No existing drainage facilities for removal of surface and/or subsurface water<br><input type="checkbox"/> Tile drainage system underlying land to be disturbed<br><input type="checkbox"/> Drain pipe(s) underlying land to be disturbed<br><input type="checkbox"/> Surface drainage facilities on land to be disturbed  |  | <input checked="" type="checkbox"/> Seeding plan <input checked="" type="checkbox"/> Sod<br><input type="checkbox"/> Agricultural crops <input type="checkbox"/> Trees and/or Bushes<br><input type="checkbox"/> Proposed alternative  |              |
| 17. TYPE OF FALL VEGETAL COVER:  |  | 23. ADDITIONAL HOLES:  |              |
| <input type="checkbox"/> Little or no vegetal cover<br><input checked="" type="checkbox"/> Short grasses<br><input type="checkbox"/> Tall weeds or short brush (1 to 2 ft.)<br><input type="checkbox"/> Brush or bushes (2 to 6 ft.)<br><input checked="" type="checkbox"/> Agricultural crops<br><input type="checkbox"/> Trees with sparse low brush<br><input type="checkbox"/> Trees with dense low brush  |  | <input checked="" type="checkbox"/> Rat/Mouse, if used, will be plugged  |              |
| 18. STEEPEST SLOPE GRADIENT CROSSING SITE:   |  | 24. PROPOSED OR CURRENT LENGTH OF ACCESS ROAD:   |              |
| <input type="checkbox"/> 0 to 2% <input checked="" type="checkbox"/> 2.1 to 8%<br><input type="checkbox"/> 8.1 to 10%<br><input type="checkbox"/> 10.1 to 24% <input type="checkbox"/> greater than 24%  |  | <input type="checkbox"/> 100 ft. or less <input type="checkbox"/> 101 to 500 ft.<br><input type="checkbox"/> 501 to 1500 ft. <input checked="" type="checkbox"/> greater than 1500 ft.   |              |
| 19. LENGTH OF STEEPEST SLOPE CROSSING SITE:  |  | 25. CURRENT LAND USE OF PATH OF ACCESS ROAD:   |              |
| <input type="checkbox"/> 1 to 100 ft. <input type="checkbox"/> 101 to 200 ft.<br><input checked="" type="checkbox"/> 201 to 400 ft. <input type="checkbox"/> greater than 400 ft.  |  | <input checked="" type="checkbox"/> Cropland <input checked="" type="checkbox"/> Pasture <input type="checkbox"/> Commercial<br><input type="checkbox"/> Idle land <input type="checkbox"/> Wetlands <input type="checkbox"/> Recreational<br><input type="checkbox"/> Industrial <input type="checkbox"/> Residential<br><input type="checkbox"/> Unreclaimed strip mine<br><input type="checkbox"/> Woodland: <input type="checkbox"/> Broadleaf <input type="checkbox"/> Needlelike |              |

\*\*PITS MUST BE FILLED WITHIN TWO MONTHS AFTER COMMENCEMENT OF THE WELL AND WITHIN FOURTEEN DAYS AFTER COMMENCEMENT OF THE WELL IN AN URBANIZED AREA.

REQUIRED BY SECTION 1509.06 (A)(10), OHIO REVISED CODE -- FAILED TO SUBMIT MAY RESULT IN AN ASSESSMENT OF CRIMINAL FINES NOT LESS THAN \$100.00 NOR MORE THAN \$2,000.00 OR CIVIL PENALTIES NOT LESS THAN \$4,000.00.



|  |  |
|--|--|
| 26. SURFACING MATERIAL FOR ACCESS ROAD:<br><input checked="" type="checkbox"/> Gravel <input type="checkbox"/> Brick and/or tile waste<br><input type="checkbox"/> Slag <input checked="" type="checkbox"/> Crushed stone<br><input type="checkbox"/> No surfacing material to be used<br><input type="checkbox"/> Proposed alternative _____  | 29. STEEPEST SLOPE GRADIENT ON ACCESS ROAD:<br><input checked="" type="checkbox"/> 0 to 5%<br><input type="checkbox"/> 6 to 10%<br><input type="checkbox"/> greater than 10%   |
| 27. PATH OF ACCESS ROAD TO BE DETERMINED BY:<br><input checked="" type="checkbox"/> Landowner <input type="checkbox"/> Contractor<br><input type="checkbox"/> Existing access road <input checked="" type="checkbox"/> Operator  | 30. APPROXIMATE LENGTH OF STEEPEST SLOPE ON ROAD:<br><input type="checkbox"/> 0 to 100 ft. <input type="checkbox"/> 101 to 200 ft.<br><input type="checkbox"/> 201 to 400 ft. <input checked="" type="checkbox"/> greater than 400 ft. |
| 28. GRADING AND EROSION CONTROL PRACTICE ON ROAD:<br><input checked="" type="checkbox"/> Diversions <input type="checkbox"/> Filter strips<br><input type="checkbox"/> Drains <input type="checkbox"/> Riprap<br><input type="checkbox"/> Open top culverts <input type="checkbox"/> Water breaks<br><input checked="" type="checkbox"/> Outsloping of road<br><input type="checkbox"/> Pipe culverts<br><input type="checkbox"/> Proposed alternative _____ | 31. HAS LANDOWNER RECEIVED A COPY OF THIS RESTORATION PLAN?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |

The undersigned hereby agrees to implement all restoration operations identified on this form, and conform to all provisions of Section 1509.072 of the Ohio Revised Code, and to all Orders and rules issued by the Chief, Division of Oil and Gas Resources Management.

Signature of Owner/Authorized Agent \_\_\_\_\_

Name (Typed or Printed) Ryan DeLong - Supervisor - Regulatory Compliance

Date 5/11/12

RESTORATION PLAN MUST BE SUBMITTED TO THE DIVISION IN DUPLICATE.

**RECEIVED**

**MAY 14 2012**