

STATE OF OHIO
DEPARTMENT OF NATURAL
RESOURCES

Division of Oil and Gas
Resources Management
WELL PERMIT

API WELL NUMBER
34-005-2-4160-00-00

OWNER NAME, ADDRESS

DEVON ENERGY PRODUCTION CO
20 NORTH BROADWAY
OKLAHOMA CITY

OK 73102

DATE ISSUED

11/2/2011

PERMIT EXPIRES

11/1/2013

TELEPHONE NUMBER

(405) 235-3611

IS HEREBY GRANTED PERMISSION TO: Drill New Well

AND ABANDON WELL IF UNPRODUCTIVE

PURPOSE OF WELL: Stratigraphic

COMPLETION DATE IF PERMIT TO PLUG:

DESIGNATION AND LOCATION:

LEASE NAME EICHELBERGER DAVID
WELL NUMBER 1P
COUNTY ASHLAND
CIVIL TOWNSHIP CLEAR CREEK
TRACT OR ALLOTMENT
SURFACE FOOTAGE LOCATION 351'SL & 1543'EL OF SEC. 16
TARGET FOOTAGE LOCATION

SURFACE NAD27

X: 2026664
Y: 466334
LAT: 40.946650791
LONG: -82.403477734

TARGET NAD27

TYPE OF TOOLS: Air Rotary/Fluid Rotary

PROPOSED TOTAL DEPTH 3950 FEET
GROUND LEVEL ELEVATION 1154 FEET

GEOLOGICAL FORMATION(S):

OHIO SHALE THRU BLACK RIVER

SPECIAL PERMIT CONDITIONS: Permit is subject to the attached terms and/or conditions
Samples Requested, see attached letter

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

CONDUCTOR MINIMUM OF 60' (IF AIR)
9 5/8 " APPROX. 600 ' WITH CEMENT CIRCULATED TO SURFACE
"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:

BENKO THOMAS (419) 202-2611
WILL ZIEGLER - Supervisor (740) 438-5381
DISTRICT #: (740) 392-4499

FIRE AND EMERGENCY NUMBERS

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

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

J. MICHAEL BIDDISON

ACTING 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
34-005-2-4160-00-00

ATTN MIKE ERROLI
DEVON ENERGY PRODUCTION CO LP
20 N BROADWAY RM 6.014
OKLAHOMA CITY, OK 73102



Ohio Department of Natural Resources
Division of Mineral Resources Management
2045 Morse Rd. Bldg. H-3 – Columbus OH 43229-6693



Pre-Construction Permit Conditions

Application Number	<u>APatt020120</u>	Permit Number	<u>N/A</u>	Inspection Date	<u>9/29/11</u>	Modification Date (if applicable)	
Company	<u>Devon Energy Production Company LP</u>	Lease Name/Well #	<u>David Eichelberger #1P</u>				
County	<u>Ashland</u>	Township	<u>Clear Creek</u>				
Section/Lot	<u>SE1/4 Sec. 16</u>	Urban Area (if applicable)	<u>N/A</u>				
Inspected By	<u>Thomas Benko</u>						
Accompanied By	<u>George Durlington (Devon)</u>						

Directions to Location From Savahna @SR250 &SR545; take SR545 South to CR 758 West toTwp. Rd. 1421 South 1/2 mile to location.

ITEM	LEASE ROAD, WELL SITE CONSTRUCTION	Comments:
1	Tree/Brush Removal/Disposition	No
2	Topsoil Removal/Stockpiles/Placement	Location Edges
3	Erosion/Sediment Control (Silt Fence, Berms)	Silt fence or Berms
4	Drainage Controls (Diversion Ditches, Culverts, Waterways, Crossings)	None
5	Signage	Rig Sign at Entrance
6	Apron/Culverts/Road Materials	16 inch culvert pipe with 60 foot entrance apron.
7	Pull Off Area	Apron / Approach
8	Parking	On site
9	GPS – Access Road	N40.94677 W82.40734
10	GPS – Well Stake	N40.94672 W82.40341
11	GPS – Tank Battery	Not Determined
12	GPS – Pit Location	Not Determined
13	Site Construction Plan	

ITEM	DRILLING CONSIDERATIONS	Comments:
14	Location Dimensions (Length, Width, Approximate Acreage)	300 feet by 300 feet
15	Multiple Wells	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
16	Rig Type	AES #27 Carrier Mounted Double
17	Is a blow-out preventer required?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	If No, explain:	

18	Equipment Placement/ Orientation (Rig/Frac Tanks/Etc.)	Rig Face west, Pits North and Frac Tanks East of Rig
19	Mine Voids	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
20	Verify Water Wells Within 300'	None

21 Verify Structures Within 500' None

22 Verify Streams and Drainage No Streams

23	Flood Plain	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No	
24	Stream Crossing	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No	
	Corps of Engineers Notified	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No	
25	Wetlands	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No	
	EPA Notified	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No	

ITEM PITS Comments:

26	Source of water for drilling	Water Well on location
27	Source of water for hydrofrac	Unknown at this time
28	Drilling Pits (Placement/Orientation)	Steel pits above ground
29	Pit Dimensions (Length, Width, Depth)	10 feet by 60 feet
30	Estimated Volume/Capacity	500 BBL
31	Number & Type of Liners	N/A
32	Thickness of Liner	N/A
33	Type of Material Under Liner	N/A
34	Pit Construction Plan	N/A
35	Fencing (Pits/Entire Location)	N/A

ITEM RESTORATION Comments:

	Pit Closure – (Standard/Solidification/	
36	Off-Site Disposal – state time frame)	Steel Pits; Haul off site, Closed loop system
37	Site-Specific Time Frame for Restoration	6 months
38	Erosion/Sediment Control	Down gradient of location
39	Drainage Control	Silt Fence

ITEM PRODUCTION Comments:

40 Is the Access Road Gate required? ☐ Yes ☐ No

If No, explain: Not determined

WAIVERS

41 Is the Company required to submit a waiver? ☐ Yes ☐ No

If yes, submit the following waiver requests:

Is the Company required to submit revised drawings? ☐ Yes ☐ No

THE FOLLOWING ITEMS HAVE BEEN CHANGED FROM THE ORIGINAL APPLICATION:

STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES

Under the authority of, and in accordance with Section 1509.10 of the Ohio Revised Code, the Division of Geological Survey hereby requests a set of drill cuttings from the following well:

Operator Devon Energy Production Co Phone No. (405) 235-3611

Lease Name/Well # David Eichenelberger #1P Permit No. 2-4160-01

Located in 351'SL & 1543'E1 of Sec. 16

Of Clear creek Township Ashland County.

Drill cuttings are to be collected every 10 feet, or as specified otherwise, from the following intervals:


Sample every 10 feet from Top of Utica to VTD

The Survey requests that approximately 100 grams of cuttings per sample be sent for washed cuttings and 200 grams of cuttings per sample be sent for unwashed cuttings.

These cuttings are to be made available to the Survey and can be delivered in person or shipped to the Ohio Division of Geological Survey, 2045 Morse Road, Building C-1, Columbus, Ohio 43229-6693 or the Ohio Division of Geological Survey, 3307 South Old State Road, Delaware, Ohio 43015-9454. If you cannot deliver the cuttings, please notify Greg Schumacher at (740) 548-7348, Extension 125, Monday through Friday 8:00 AM-5:00 PM, as soon as possible after the drilling has been completed, so that arrangements can then be made to pick up the cuttings at the well site. Delivery of the cuttings or notification of availability is the responsibility of the operator of the well.

The well operator has the option to request that cuttings be held confidential for a period of one year from the date the well reached total depth. A request for confidentiality should be forwarded to Ohio Division of Geological Survey Chief Lawrence Wickstrom at Larry.Wickstrom@dnr.state.oh.us shortly before or at the same time the cuttings are forwarded to the Ohio Division of Geological Survey.

Cutting samples placed on confidential status will be placed in a secure location, separate from all other data and materials, for a period of one year from the TD date. Upon request, the firm donating the cuttings will be allowed access to the samples as necessary.


Larry Wickstrom, Chief
ODNR-The Division of Geological Survey
11/02/2011

Date

DAILY ROUTE SLIP Clear Creek

APPLICATION NO. aPATT020120 TYPE: Drill New Well

CONAME DEVON ENERGY PRODUCTIO API

WELL NAME /NO. EICHENBERGER DAVID 1P

COUNTY 5 ASHLAND INITIALS DATE

DATE APPLICATION REC'D pn 10/13/2011

PERMIT FEE AND CHECK NO. \$500.00 2021871

RUSH AMOUNT RUSH CHECK NO. \$0.00 0

APPLICATION ENTERED pn 10/13/11

APPLICATIONS AND PLATS SENT
FOR MINE APPROVAL

COAL APPROVAL RECEIVED

OIL/GAS AFFIDAVIT REC'D

URBANIZED AREA NOTIFICATION SENT

^{Sample}
~~URBANIZED~~ AREA NOTIFICATION
SENT TO INSPECTOR/REC'D BACK pn 10/13

URBAN MAP REVIEW

SAMPLES: YES /SPECIAL AREAS

GEOLOGIST APPROVAL TEG 10/28/11

DATA ENTRY /ISSUED PN 11/2/2011

PERMIT: TAKEN MAILED ✓ pn 11/2/2011

FAX TO:

FINAL MAP CHECK 52 11/4/11

COMMENTS:

SAMPLE EVERY 10' FROM TOP OF UTICA TO VTD

~~ISSUE AS 01-00~~

Proof Sheet

APPL NUMBER	aPATT020120	URBANIZED AREA ?	<input type="checkbox"/>
OWNER NUMBER	8864	NAME	
OWNER NAME	DEVON ENERGY PRODUCTION CO		
EXISTING WELL	0		
API PERMIT NO		DISPOSAL PLAN 1	ND
APPL TYPE	NW	DISPOSAL PLAN 2	
TYPE OF WELL	OG	DISPOSAL PLAN 3	
VARIANCE REQUEST		DISPOSAL PLAN 4	
WELL NAME	EICHENBERGER DAVID	DISPOSAL PLAN 5	
WELL NUMBER	1P	MP Check #	0
PREV/PROPOSED TD	3950		
DRILL UNIT ACRES	381.4		
TYPE OF TOOL	RTAF	PROPOSED FORMATIONS	
WELL CLASS	STRAT	OHIO SHALE THRU BLACK RIVER	✓
FIRE PHONE	() -911		
MEDICAL PHONE	() -911		
COUNTY CODE	5		
COUNTY NAME	ASHLAND		
COAL (Y=-1/N=0)	0		
CIVIL TOWNSHIP	CLEAR CREEK	TARG CIVIL TWP	
SURF QUAD	OLIVESBURG	TARG QUAD	
Nad 27 SURF ORIG X	2,026,664	Nad 27 TARG ORIG X	
Nad 27 SURF ORIG Y	466,334	Nad 27 TARG ORIG Y	
GROUND ELEVATION	1154	TARG ELEV	0
SURF SEC	16	TARG SECTION	
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

TARGET FOOTAGE

351' SL & 1543' EL OP-587 16

CASING PROGRAM

SPECIAL CONDITIONS/COMMENTS

04

04 95/8 600

20

27

REF

SK

φ# 22374

COMPLETION DT

MINES APPROVAL

AFFIDAVIT APPROV

FINAL ENTRY DATE

BE BASE: 466

- 1127

- 661

+ 1154

493

- 50

543

NO MINES
GIS MHP CHECK OK
GEO SURVEY DRIFT: 42'

APPLICATION FOR A PERMIT (Form 1)
OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINERAL RESOURCES MANAGEMENT
2045 Morse Road, Building H-3
COLUMBUS, OHIO 43229-6693
(614) 265-6633

2021871
\$500⁰⁰

APR 20 2012

SEE INSTRUCTIONS ON PAGE 2 (BACK)

1. I, We (applicant) <u>Devon Energy Production Company, L.P.</u>		2. Owner #: <u>8864</u>													
(address) <u>20 North Broadway, Oklahoma City, OK 73102</u>		Phone #: <u>405-552-8196</u>													
hereby apply this date <u>4-Oct</u> , 20 <u>11</u> for a permit to:															
<table border="0"><tr><td><input type="checkbox"/> Reissue (check appropriate blank)</td><td><input type="checkbox"/> Revised Location</td><td><input type="checkbox"/> Convert</td></tr><tr><td><input checked="" type="checkbox"/> Drill New Well</td><td><input type="checkbox"/> Plug Back</td><td><input type="checkbox"/> Deepen</td></tr><tr><td><input type="checkbox"/> Drill Directionally</td><td><input type="checkbox"/> Plug and Abandon</td><td><input type="checkbox"/> Reopen</td></tr><tr><td><input type="checkbox"/> Drill Horizontally</td><td><input type="checkbox"/> Orphan Well Program</td><td><input type="checkbox"/> Temporary Inactive</td></tr></table>				<input type="checkbox"/> Reissue (check appropriate blank)	<input type="checkbox"/> Revised Location	<input type="checkbox"/> Convert	<input checked="" type="checkbox"/> Drill New Well	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Deepen	<input type="checkbox"/> Drill Directionally	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Reopen	<input type="checkbox"/> Drill Horizontally	<input type="checkbox"/> Orphan Well Program	<input type="checkbox"/> Temporary Inactive
<input type="checkbox"/> Reissue (check appropriate blank)	<input type="checkbox"/> Revised Location	<input type="checkbox"/> Convert													
<input checked="" type="checkbox"/> Drill New Well	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Deepen													
<input type="checkbox"/> Drill Directionally	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Reopen													
<input 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 <input checked="" type="checkbox"/> Stratigraphic Test <input type="checkbox"/> Gas Storage <input type="checkbox"/> Other (explain): _____ <input type="checkbox"/> Solution Mining* <input type="checkbox"/> Enhanced Recovery* (* if checked, select appropriate box below) <input type="checkbox"/> Input/Injection <input type="checkbox"/> Water Supply <input type="checkbox"/> Observation <input type="checkbox"/> Production/Extraction															
4. MAIL PERMIT TO: <u>Devon Energy Production Company, L.P.</u> <u>20 North Broadway, Rm. 6.014</u> <u>Oklahoma City, OK 73102</u> <u>Attn: Mike Feroli</u>		20. TYPE OF TOOLS: <input type="checkbox"/> Cable <input type="checkbox"/> Air Rotary <input type="checkbox"/> Cable / Air Rotary <input checked="" type="checkbox"/> Air / Fluid Rotary <input type="checkbox"/> Cable / Fluid Rotary <input type="checkbox"/> Fluid Rotary <input type="checkbox"/> Cable / Air / Fluid Rotary <input type="checkbox"/> Service Rig													
5. COUNTY: <u>Ashland</u>		21. PROPOSED CASING PROGRAM: <u>9 5/8" 36#ft J55 Surface Casing @±600'</u>													
6. CIVIL TOWNSHIP: <u>Clear Creek, T25N R17W</u>		22. FIRE AND MEDICAL DEPARTMENT TELEPHONE NUMBERS: (closest to well site) Fire: <u>911</u> Medical: <u>911</u>													
7. SECTION: <u>16</u> 8. LOT: _____		23. MEANS OF INGRESS & EGRESS: Township Road: <u>TR 1451</u> County Road: <u>CR 758</u> Municipal Road: _____ State Highway: <u>545</u>													
9. FRACTION: _____ 10. QTR TWP: _____		24. IS THE WELL LOCATION OR PRODUCTION FACILITIES WITHIN AN URBANIZED AREA AS DEFINED BY 1509.01(Y) ? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No													
11. TRACT / ALLOT: _____															
12. WELL #: <u>1P</u>															
13. LEASE NAME: <u>David Eichelberger</u>															
14. PROPOSED TOTAL DEPTH: <u>3950'</u>															
15. PROPOSED GEOLOGICAL FORMATION: <u>Ohio Shale through Black River - OK JS</u>															
16. DRILLING UNIT IN ACRES (must be same as acres indicated on plat): <u>318.4</u>															
17. IF PERMITTED PREVIOUSLY: API #: _____ OWNER: _____ WELL #: _____ LEASE NAME: _____ TOTAL DEPTH: _____ GEOLOGICAL FORMATION: _____															
18. IF SURFACE RIGHTS ARE OWNED BY THE OHIO DEPARTMENT OF NATURAL RESOURCES Division Name: _____ Division Phone: _____															
19. LANDOWNER ROYALTY INTEREST: Is There An Attached List? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Name: <u>David E. Eichelberger, et ux - 160 acres, (Surface Location)</u> Address: <u>5683 Olivesburg Drive, Ashland, OH 44805</u> Name: <u>David Crist - 17.43 acres, (Lateral)</u> Address: <u>1408 C.R. 758, Ashland, OH 44805</u> Name: <u>David Crist - 17.43 acres, (Lateral)</u> Address: <u>1408 C.R. 758, Ashland, OH 44805</u>															

RECEIVED

OCT 13 2011

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 notices, 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 Mineral Resources Management.

Signature of Owner/Authorized Agent

Mike Feroli

Name (Type or Print)

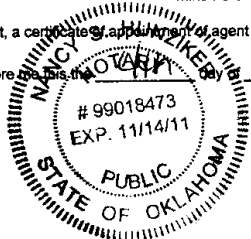
Mike Feroli

Title

Regulatory Specialist

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

Sworn to and subscribed before me this _____ day



October, 20 11

Nancy S. Hinzler
(Notary Public)

November 14, 2011

(Date Commission Expires)

**There is an Oversize
Map or Maps for
this Permit.**

**Images are available
for viewing at**

M:Drive/OIL&Gas/OverSizedImages

RESTORATION PLAN (Form 4)

Ohio Department of Natural Resources

Division of Mineral Resources Management, 2045 Morse Road, Bldg. H-3, Columbus OH 43229-6693

1. DATE OF APPLICATION: 4-Oct-11	
2. OWNER NAME, ADDRESS, & TELEPHONE NO.: Devon Energy Corporation, 20 North Broadway 11.029 Oklahoma City, OK 73102, 405-552-8196	3. API #: 4. WELL #: David Eichelberger 1P 5. LEASE NAME: Eichelberger 1P 6. PROPERTY OWNER: David E. Eichelberger 7. COUNTY: Ashland 8. CIVIL TOWNSHIP: Clear Creek, T25N R17W 9. SECTION: 16 10. LOT: N/A
11. CURRENT LAND USE: <input checked="" type="checkbox"/> Cropland <input type="checkbox"/> Commercial <input type="checkbox"/> Pasture <input type="checkbox"/> Idle Land <input type="checkbox"/> Wetlands <input type="checkbox"/> Recreational <input type="checkbox"/> Residential <input type="checkbox"/> Industrial <input type="checkbox"/> Unreclaimed strip mine <input type="checkbox"/> Woodland: <input type="checkbox"/> Broadleaf <input type="checkbox"/> Needlelike	17. TYPE OF WELL: <input type="checkbox"/> Oil <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Other 18. STEEPEST SLOPE GRADIENT CROSSING SITE: <input type="checkbox"/> 0 to 2% <input checked="" type="checkbox"/> 2.1 to 8% <input type="checkbox"/> 8.1 to 10% <input type="checkbox"/> 10.1 to 24% <input type="checkbox"/> greater than 24%
12. SLOPE GRADIENT & LENGTH DETERMINED FROM: <input type="checkbox"/> Ground Measurement <input type="checkbox"/> U.S. Geological Survey Topographical Maps <input checked="" type="checkbox"/> Other: (explain) <u>Site Specific Info/LIDAR</u>	19. LENGTH OF STEEPEST SLOPE CROSSING SITE: <input checked="" type="checkbox"/> 1 to 100 ft. <input type="checkbox"/> 101 to 200 ft. <input type="checkbox"/> 201 to 400 ft. <input type="checkbox"/> greater than 400 ft.
13. TYPE OF FALL VEGETAL COVER: <input type="checkbox"/> Little or no vegetal cover <input type="checkbox"/> Short grasses <input type="checkbox"/> Tall weeds or short brush (1 to 2 ft.) <input type="checkbox"/> Brush or bushes (2 to 6 ft.) <input checked="" type="checkbox"/> Agricultural crops <input type="checkbox"/> Trees with sparse low brush <input type="checkbox"/> Trees with dense low brush	20. RESTORATION OF DRILLING PITS: ** <input type="checkbox"/> Haul drilling fluids and fill pits <input type="checkbox"/> Use steel circulating tanks <input checked="" type="checkbox"/> Proposed alternative <u>Closed Loop</u>
14. SOIL & RESOILING MATERIAL AT WELLSITE: <input checked="" type="checkbox"/> Stockpile and protect topsoil to be used when preparing seedbed <input type="checkbox"/> Use of soil additives (e.g., lime, fertilizer) <input type="checkbox"/> No resoiling planned <input type="checkbox"/> Proposed alternative _____	21. BACKFILLING AND GRADING AT SITE: <input checked="" type="checkbox"/> Construct diversions channeled to naturally established drainage systems <input type="checkbox"/> Construct terraces across slopes <input type="checkbox"/> Grade to approximate original contour <input checked="" type="checkbox"/> Grade to minimize erosion & control offsite runoff <input type="checkbox"/> Proposed alternative _____
15. DISPOSAL PLAN FOR TREES AND TREE STUMPS: <input checked="" type="checkbox"/> No trees disturbed <input type="checkbox"/> Haul to landfill <input type="checkbox"/> Cut into firewood <input type="checkbox"/> Sell to lumber company <input type="checkbox"/> Bury with landowner's approval <input type="checkbox"/> Mulch small trees and branches, erosion control <input type="checkbox"/> Use for wildlife habitat with landowner approval <input type="checkbox"/> Proposed alternative _____	22. VEGETATIVE COVER TO BE ESTABLISHED AT SITE: <input checked="" type="checkbox"/> Seeding plan <input type="checkbox"/> Sod <input type="checkbox"/> Agricultural crops <input type="checkbox"/> Trees and/or Bushes <input type="checkbox"/> Proposed alternative _____
16. SURFACE AND SUBSURFACE DRAINAGE FACILITIES: <input type="checkbox"/> No existing drainage facilities for removal of surface and/or subsurface water <input checked="" type="checkbox"/> Tile drainage system underlying land to be disturbed <input type="checkbox"/> Drain pipe(s) underlying land to be disturbed <input type="checkbox"/> Surface drainage facilities on land to be disturbed	23. ADDITIONAL HOLES: <input checked="" type="checkbox"/> Rat/Mouse, if used, will be plugged 24. PROPOSED OR CURRENT LENGTH OF ACCESS ROAD: <input type="checkbox"/> 100 ft. or less <input type="checkbox"/> 101 to 500 ft. <input checked="" type="checkbox"/> 501 to 1500 ft. <input type="checkbox"/> greater than 1500 ft.
16. SURFACE AND SUBSURFACE DRAINAGE FACILITIES: <input type="checkbox"/> No existing drainage facilities for removal of surface and/or subsurface water <input checked="" type="checkbox"/> Tile drainage system underlying land to be disturbed <input type="checkbox"/> Drain pipe(s) underlying land to be disturbed <input type="checkbox"/> Surface drainage facilities on land to be disturbed	25. CURRENT LAND USE OF PATH OF ACCESS ROAD: <input checked="" type="checkbox"/> Cropland <input type="checkbox"/> Pasture <input type="checkbox"/> Commercial <input type="checkbox"/> Idle land <input type="checkbox"/> Wetlands <input type="checkbox"/> Recreational <input type="checkbox"/> Industrial <input type="checkbox"/> Residential <input type="checkbox"/> Unreclaimed strip mine <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: <input checked="" type="checkbox"/> Gravel <input type="checkbox"/> Brick and/or tile waste <input type="checkbox"/> Slag <input checked="" type="checkbox"/> Crushed stone <input type="checkbox"/> No surfacing material to be used <input type="checkbox"/> Proposed alternative _____	29. STEEPEST SLOPE GRADIENT ON ACCESS ROAD: <input type="checkbox"/> 0 to 5% <input checked="" type="checkbox"/> 6 to 10% <input type="checkbox"/> greater than 10%
27. PATH OF ACCESS ROAD TO BE DETERMINED BY: <input checked="" type="checkbox"/> Landowner <input type="checkbox"/> Contractor <input type="checkbox"/> Existing access road <input checked="" type="checkbox"/> Operator	30. APPROXIMATE LENGTH OF STEEPEST SLOPE ON ROAD: <input checked="" type="checkbox"/> 0 to 100 ft. <input type="checkbox"/> 101 to 200 ft. <input type="checkbox"/> 201 to 400 ft. <input type="checkbox"/> greater than 400 ft.
28. GRADING AND EROSION CONTROL PRACTICE ON ROAD: <input checked="" type="checkbox"/> Diversions <input checked="" type="checkbox"/> Filter strips <input type="checkbox"/> Drains <input checked="" type="checkbox"/> Riprap <input type="checkbox"/> Open top culverts <input type="checkbox"/> Water breaks <input type="checkbox"/> Outsloping of road <input checked="" type="checkbox"/> Pipe culverts <input type="checkbox"/> Proposed alternative _____	31. HAS LANDOWNER RECEIVED A COPY OF THIS RESTORATION PLAN? <input checked="" type="checkbox"/> Yes <input 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 Mineral Resources Management.

Signature of Owner/Authorized Agent

Mike Feroli

Name (Typed or Printed)

Mike Feroli

Date

10/4/2011

RESTORATION PLAN MUST BE SUBMITTED TO THE DIVISION IN DUPLICATE.

RECEIVED

OCT 13 2011

STATE OF OHIO
DEPARTMENT OF NATURAL
RESOURCES

Division of Oil and Gas
Resources Management
WELL PERMIT

API WELL NUMBER
34-005-2-4160-01-00

OWNER NAME, ADDRESS

DEVON ENERGY PRODUCTION CO
20 NORTH BROADWAY
OKLAHOMA CITY

OK 73102

DATE ISSUED

11/2/2011

PERMIT EXPIRES

11/1/2013

TELEPHONE NUMBER

(405) 235-3611

IS HEREBY GRANTED PERMISSION TO: Plug back to horizontally drill

AND ABANDON WELL IF UNPRODUCTIVE

PURPOSE OF WELL: Oil & Gas

COMPLETION DATE IF PERMIT TO PLUG:

DESIGNATION AND LOCATION:

LEASE NAME EICHELBERGER DAVID
WELL NUMBER 1H
COUNTY ASHLAND
CIVIL TOWNSHIP CLEAR CREEK
TRACT OR ALLOTMENT
SURFACE FOOTAGE LOCATION 351'SL & 1543'EL OF SEC. 16
TARGET FOOTAGE LOCATION 300'NL & 1536'EL OF SEC. 16

SURFACE NAD27

X: 2026664
Y: 466334
LAT: 40.9466507677808
LONG: -82.4034777335994

TARGET NAD27

2026613
471001
40.9594611115744
-82.4036436856631

TYPE OF TOOLS: Air Rotary/Fluid Rotary

PROPOSED TOTAL DEPTH 8085 FEET
GROUND LEVEL ELEVATION 1154 FEET

GEOLOGICAL FORMATION(S):

UTICA/POINT PLEASANT

SPECIAL PERMIT CONDITIONS: Permit is subject to the attached terms and/or conditions
Horizontal Drilling Well Permit Conditions
Samples Requested, see attached letter

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

CONDUCTOR MINIMUM OF 60' (IF AIR)
9 5/8 " APPROX. 600 ' 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:

BENKO THOMAS (419) 202-2611
WILL ZIEGLER - Supervisor (740) 438-5381
DISTRICT #: (740) 392-4499

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

J. MICHAEL BIDDISON

ACTING 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
34-005-2-4160-01-00

ATTN MIKE FEROLI
DEVON ENERGY PRODUCTION CO LP
20 N BROADWAY/RM 6.014
OKLAHOMA CITY, OK 73102

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.

DEPARTMENT OF NATURAL RESOURCES

Under the authority of, and in accordance with Section 1509.10 of the Ohio Revised Code, the Division of Geological Survey hereby requests a set of drill cuttings from the following well:

Operator Devon Energy Production Phone No. (405) 235-3611

Lease Name/Well # David Eichelberger #1H Permit No. 2-4160-01

Located in Surface: 351'SL & 1543'E1 of Sec. 16/Target: 300'NL & 1530'E1 of
Sec. 16

Of Clear creek Township Ashland County.

Drill cuttings are to be collected every 10 feet, or as specified otherwise, from the following intervals:

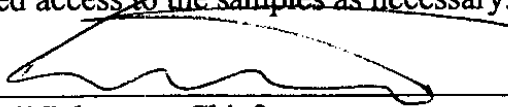
Sample every 30 feet from Kick-Off Point to End of Lateral

The Survey requests that approximately 100 grams of cuttings per sample be sent for washed cuttings and 200 grams of cuttings per sample be sent for unwashed cuttings.

These cuttings are to be made available to the Survey and can be delivered in person or shipped to the Ohio Division of Geological Survey, 2045 Morse Road, Building C-1, Columbus, Ohio 43229-6693 or the Ohio Division of Geological Survey, 3307 South Old State Road, Delaware, Ohio 43015-9454. If you cannot deliver the cuttings, please notify Greg Schumacher at (740) 548-7348, Extension 125, Monday through Friday 8:00 AM-5:00 PM, as soon as possible after the drilling has been completed, so that arrangements can then be made to pick up the cuttings at the well site. Delivery of the cuttings or notification of availability is the responsibility of the operator of the well.

The well operator has the option to request that cuttings be held confidential for a period of one year from the date the well reached total depth. A request for confidentiality should be forwarded to Ohio Division of Geological Survey Chief Lawrence Wickstrom at Larry.Wickstrom@dnr.state.oh.us shortly before or at the same time the cuttings are forwarded to the Ohio Division of Geological Survey.

Cutting samples placed on confidential status will be placed in a secure location, separate from all other data and materials, for a period of one year from the TD date. Upon request, the firm donating the cuttings will be allowed access to the samples as necessary.


Larry Wickstrom, Chief
ODNR-The Division of Geological Survey
11/02/2011

Date

DAILY ROUTE SLIP Clear Creek

APPLICATION NO. aPATT020119 TYPE: Drill New Well, horizontal

CONAME DEVON ENERGY PRODUCTIO API

WELL NAME /NO. EICHENBER DAVID ~~H~~ 114

COUNTY 5 ASHLAND INITIALS DATE

DATE APPLICATION REC'D PN 10/13/2011

PERMIT FEE AND CHECK NO. \$500.00 2021871

RUSH AMOUNT \$0.00 RUSH CHECK NO. 0

APPLICATION ENTERED PN 10/13/11

APPLICATIONS AND PLATS SENT
FOR MINE APPROVAL

COAL APPROVAL RECEIVED

OIL/GAS AFFIDAVIT REC'D

URBANIZED AREA NOTIFICATION SENT

^{Shale}
~~URBANIZED~~ AREA NOTIFICATION
SENT TO INSPECTOR/REC'D BACK

URBAN MAP REVIEW

SAMPLES: YES /SPECIAL AREAS

GEOLOGIST APPROVAL

DATA ENTRY /ISSUED

PERMIT: TAKEN MAILED ✓

FAX TO:

FINAL MAP CHECK

COMMENTS:

MAIL HD PERMIT CONDITIONS

SAMPLE EVERY 30FT FROM KICK OFF POINT TO

END OF LATERAL: Issue as -01-00

Proof Sheet

APPL NUMBER	aPATT020119	URBANIZED AREA ?	<input type="checkbox"/>
OWNER NUMBER	8864	NAME	
OWNER NAME	DEVON ENERGY PRODUCTION CO		
EXISTING WELL	0	DISPOSAL PLAN 1	ND
API PERMIT NO		DISPOSAL PLAN 2	
APPL TYPE	HX	DISPOSAL PLAN 3	
TYPE OF WELL	OG	DISPOSAL PLAN 4	
VARIANCE REQUEST		DISPOSAL PLAN 5	
WELL NAME	EICHENBER DAVID	MP Check #	0
WELL NUMBER	4-114		
PREV/PROPOSED TD	8085		
DRILL UNIT ACRES	318.4		
TYPE OF TOOL	RTAF	PROPOSED FORMATIONS	
WELL CLASS	EDFW	UTICA/POINT HERSANT	
FIRE PHONE	() - 911		
MEDICAL PHONE	() - 911		
COUNTY CODE	5		
COUNTY NAME	ASHLAND		
COAL (Y=-1/N=0)	0		
CIVIL TOWNSHIP	CLEAR CREEK	TARG CIVIL TWP	CLEAR CREEK
SURF QUAD	OLIVESBURG	TARG QUAD	OLIVESBURG
Nad 27 SURF ORIG X	2,026,664	Nad 27 TARG ORIG X	2,026,613
Nad 27 SURF ORIG Y	466,334	Nad 27 TARG ORIG Y	471,001
GROUND ELEVATION	1154	TARG ELEV	1123
SURF SEC	16	TARG SECTION	16
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

351' SL & 1543' EL OF SECT 16

TARGET FOOTAGE

300' NL & 1536' EL OF SECT 16

CASING PROGRAM

04
07 95/8 600
19 5 1/2

SPECIAL CONDITIONS/COMMENTS

26
27

COMPLETION DT

MINES APPROVAL

AFFIDAVIT APPROV

FINAL ENTRY DATE

APPLICATION FOR A PERMIT (Form 1)
OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINERAL RESOURCES MANAGEMENT
2045 Morse Road, Building H-3
COLUMBUS, OHIO 43229-6693
(614) 265-6633

2021871
\$ 500⁰⁰

SEE INSTRUCTIONS ON PAGE 2 (BACK)

2PAH020119

1. I, We (applicant) <u>Devon Energy Production Company, L.P.</u>		2. Owner #: <u>8864</u>	
(address) <u>20 North Broadway, Oklahoma City, OK 73102</u>		Phone #: <u>405-552-8196</u>	
hereby apply this date <u>4-Oct</u> , 20 <u>11</u>		for a permit to:	
<input checked="" type="checkbox"/> Reissue (check appropriate blank)		<input type="checkbox"/> Revised Location	
<input checked="" type="checkbox"/> Drill New Well		<input checked="" type="checkbox"/> Plug Back	
<input type="checkbox"/> Drill Directionally		<input type="checkbox"/> Plug and Abandon	
<input checked="" type="checkbox"/> Drill Horizontally		<input type="checkbox"/> Orphan Well Program	
<input type="checkbox"/> Convert		<input type="checkbox"/> Deepen	
<input type="checkbox"/> Reopen		<input type="checkbox"/> Temporary Inactive	
3. TYPE OF WELL:			
<input checked="" type="checkbox"/> Oil & Gas		<input type="checkbox"/> Annular Disposal	
<input type="checkbox"/> Stratigraphic Test		<input type="checkbox"/> Gas Storage	
<input type="checkbox"/> Solution Mining*		<input type="checkbox"/> Enhanced Recovery* (* if checked, select appropriate box below)	
<input type="checkbox"/> Input/Injection		<input type="checkbox"/> Water Supply	
<input type="checkbox"/> Observation		<input type="checkbox"/> Production/Extraction	
4. MAIL PERMIT TO: <u>Devon Energy Production Company, L.P.</u> <u>20 North Broadway, Rm. 6.014</u> <u>Oklahoma City, OK 73102</u> <u>Attn: Mike Feroli</u>		20. TYPE OF TOOLS:	
		<input type="checkbox"/> Cable	
		<input type="checkbox"/> Cable / Air Rotary	
		<input type="checkbox"/> Cable / Fluid Rotary	
		<input type="checkbox"/> Cable / Air / Fluid Rotary	
		<input type="checkbox"/> Air Rotary	
		<input checked="" type="checkbox"/> Air / Fluid Rotary	
		<input type="checkbox"/> Fluid Rotary	
		<input type="checkbox"/> Service Rig	
5. COUNTY: <u>Ashland</u>		21. PROPOSED CASING PROGRAM:	
6. CIVIL TOWNSHIP: <u>Clear Creek, T25N R17W</u>			
7. SECTION: <u>16</u>			
8. LOT: <u></u>			
9. FRACTION: <u></u>			
10. QTR TWP: <u></u>			
11. TRACT / ALLOT: <u></u>		5 1/2" 17# P110 @8085' TMD 3650' TVD	
12. WELL #: <u>1H</u>			
13. LEASE NAME: <u>David Eichelberger</u>			
14. PROPOSED TOTAL DEPTH: <u>TVD 3650' TMD 8085'</u>			
15. PROPOSED GEOLOGICAL FORMATION: <u>Utica / POINT PLEASANT</u>		22. FIRE AND MEDICAL DEPARTMENT TELEPHONE	
16. DRILLING UNIT IN ACRES (must be same as acres indicated on plat): <u>134.313 - 318.4</u>		NUMBERS: (closest to well site)	
		Fire: <u>911</u>	
		Medical: <u>911</u>	
17. IF PERMITTED PREVIOUSLY:		23. MEANS OF INGRESS & EGRESS:	
API #: <u></u>		Township Road: <u>TR 1451</u>	
OWNER: <u></u>		County Road: <u>CR 758</u>	
WELL #: <u></u>		Municipal Road: <u></u>	
LEASE NAME: <u></u>		State Highway: <u>545</u>	
TOTAL DEPTH: <u></u>			
GEOLOGICAL FORMATION: <u></u>			
18. IF SURFACE RIGHTS ARE OWNED BY THE OHIO DEPARTMENT OF NATURAL RESOURCES		24. IS THE WELL LOCATION OR PRODUCTION FACILITIES WITHIN AN URBANIZED AREA AS DEFINED BY 1509.01(Y) ?	
Division Name: <u></u>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Division Phone: <u></u>		RECEIVED	
19. LANDOWNER ROYALTY INTEREST:		OCT 13 2011	
Is There An Attached List? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Name: <u>David E. Eichelberger, et ux - 160 acres, (Surface Location)</u>			
Address: <u>5683 Olivesburg Drive, Ashland, OH 44805</u>			
Name: <u>David Crist - 17.43 acres, (Lateral)</u>			
Address: <u>1408 C.R. 758, Ashland, OH 44805</u>			
Name: <u>David Crist - 140.62 acres, (Bottom Hole)</u>			
Address: <u>1408 C.R. 758, Ashland, OH 44805</u>			

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 notices, 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 Mineral Resources Management.

Signature of Owner/Authorized Agent

Mike Feroli

Name (Type or Print)

Mike Feroli

Title

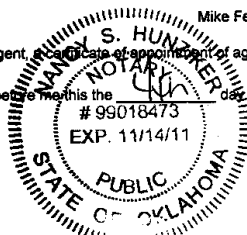
Regulatory Specialist

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

Sworn to and subscribed before me this the

date of October

20 11



Nancy S. Hunziker
(Notary Public)
November 14, 2011

**There is an Oversize
Map or Maps for
this Permit.**

**Images are available
for viewing at**

M:Drive/OIL&Gas/OverSizedImages

RESTORATION PLAN (Form 4)

Ohio Department of Natural Resources

Division of Mineral Resources Management, 2045 Morse Road, Bldg. H-3, Columbus OH 43229-6693

1. DATE OF APPLICATION: 4-Oct-11		3. API #:	
2. OWNER NAME, ADDRESS, & TELEPHONE NO.: Devon Energy Corporation, 20 North Broadway 11.029 Oklahoma City, OK 73102, 405-552-8196		4. WELL #: David Eichelberger 1H	
		5. LEASE NAME: Eichelberger 1H	
		6. PROPERTY OWNER: David E. Eichelberger	
		7. COUNTY: Ashland	
		8. CIVIL TOWNSHIP: Clear Creek, T25N R17W	
		9. SECTION: 16 10. LOT: N/A	
11. CURRENT LAND USE:		17. TYPE OF WELL:	
<input checked="" type="checkbox"/> Cropland <input type="checkbox"/> Commercial <input type="checkbox"/> Pasture <input type="checkbox"/> Idle Land <input type="checkbox"/> Wetlands <input type="checkbox"/> Recreational <input type="checkbox"/> Residential <input type="checkbox"/> Industrial <input type="checkbox"/> Unreclaimed strip mine <input type="checkbox"/> Woodland: <input type="checkbox"/> Broadleaf <input type="checkbox"/> Needlelike		<input 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 <input type="checkbox"/> U.S. Geological Survey Topographical Maps <input checked="" type="checkbox"/> Other: (explain) <u>Site Specific Info/LIDAR</u>		<input type="checkbox"/> 0 to 2% <input checked="" type="checkbox"/> 2.1 to 8% <input type="checkbox"/> 8.1 to 10% <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 <input type="checkbox"/> Short grasses <input type="checkbox"/> Tall weeds or short brush (1 to 2 ft.) <input type="checkbox"/> Brush or bushes (2 to 6 ft.) <input checked="" type="checkbox"/> Agricultural crops <input type="checkbox"/> Trees with sparse low brush <input type="checkbox"/> Trees with dense low brush		<input checked="" type="checkbox"/> 1 to 100 ft. <input type="checkbox"/> 101 to 200 ft. <input 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 <input type="checkbox"/> Use of soil additives (e.g., lime, fertilizer) <input type="checkbox"/> No resoiling planned <input type="checkbox"/> Proposed alternative _____		<input type="checkbox"/> Haul drilling fluids and fill pits <input type="checkbox"/> Use steel circulating tanks <input checked="" type="checkbox"/> Proposed alternative <u>Closed Loop</u>	
15. DISPOSAL PLAN FOR TREES AND TREE STUMPS:		21. BACKFILLING AND GRADING AT SITE:	
<input checked="" type="checkbox"/> No trees disturbed <input type="checkbox"/> Haul to landfill <input type="checkbox"/> Cut into firewood <input type="checkbox"/> Sell to lumber company <input type="checkbox"/> Bury with landowner's approval <input type="checkbox"/> Mulch small trees and branches, erosion control <input type="checkbox"/> Use for wildlife habitat with landowner approval <input type="checkbox"/> Proposed alternative _____		<input checked="" type="checkbox"/> Construct diversions channeled to naturally established drainage systems <input type="checkbox"/> Construct terraces across slopes <input type="checkbox"/> Grade to approximate original contour <input checked="" type="checkbox"/> Grade to minimize erosion & control offsite runoff <input type="checkbox"/> Proposed alternative _____	
16. SURFACE AND SUBSURFACE DRAINAGE FACILITIES:		22. VEGETATIVE COVER TO BE ESTABLISHED AT SITE:	
<input type="checkbox"/> No existing drainage facilities for removal of surface and/or subsurface water <input checked="" type="checkbox"/> Tile drainage system underlying land to be disturbed <input type="checkbox"/> Drain pipe(s) underlying land to be disturbed <input type="checkbox"/> Surface drainage facilities on land to be disturbed		<input checked="" type="checkbox"/> Seeding plan <input type="checkbox"/> Sod <input type="checkbox"/> Agricultural crops <input type="checkbox"/> Trees and/or Bushes <input type="checkbox"/> Proposed alternative _____	
17. CURRENT LAND USE OF PATH OF ACCESS ROAD:		23. ADDITIONAL HOLES:	
<input checked="" type="checkbox"/> Cropland <input type="checkbox"/> Pasture <input type="checkbox"/> Commercial <input type="checkbox"/> Idle land <input type="checkbox"/> Wetlands <input type="checkbox"/> Recreational <input type="checkbox"/> Industrial <input type="checkbox"/> Residential <input type="checkbox"/> Unreclaimed strip mine <input type="checkbox"/> Woodland: <input type="checkbox"/> Broadleaf <input type="checkbox"/> Needlelike		<input checked="" type="checkbox"/> Rat/Mouse, if used, will be plugged	
18. PROPOSED OR CURRENT LENGTH OF ACCESS ROAD:		24. CURRENT LAND USE OF PATH OF ACCESS ROAD:	
<input type="checkbox"/> 100 ft. or less <input type="checkbox"/> 101 to 500 ft. <input checked="" type="checkbox"/> 501 to 1500 ft. <input type="checkbox"/> greater than 1500 ft.		<input checked="" type="checkbox"/> Cropland <input type="checkbox"/> Pasture <input type="checkbox"/> Commercial <input type="checkbox"/> Idle land <input type="checkbox"/> Wetlands <input type="checkbox"/> Recreational <input type="checkbox"/> Industrial <input type="checkbox"/> Residential <input type="checkbox"/> Unreclaimed strip mine <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: <input checked="" type="checkbox"/> Gravel <input type="checkbox"/> Brick and/or tile waste <input type="checkbox"/> Slag <input checked="" type="checkbox"/> Crushed stone <input type="checkbox"/> No surfacing material to be used <input type="checkbox"/> Proposed alternative _____	29. STEEPEST SLOPE GRADIENT ON ACCESS ROAD: <input type="checkbox"/> 0 to 5% <input checked="" type="checkbox"/> 6 to 10% <input type="checkbox"/> greater than 10%
27. PATH OF ACCESS ROAD TO BE DETERMINED BY: <input checked="" type="checkbox"/> Landowner <input type="checkbox"/> Contractor <input type="checkbox"/> Existing access road <input checked="" type="checkbox"/> Operator	30. APPROXIMATE LENGTH OF STEEPEST SLOPE ON ROAD: <input checked="" type="checkbox"/> 0 to 100 ft. <input type="checkbox"/> 101 to 200 ft. <input type="checkbox"/> 201 to 400 ft. <input type="checkbox"/> greater than 400 ft.
28. GRADING AND EROSION CONTROL PRACTICE ON ROAD: <input checked="" type="checkbox"/> Diversions <input checked="" type="checkbox"/> Filter strips <input type="checkbox"/> Drains <input checked="" type="checkbox"/> Riprap <input type="checkbox"/> Open top culverts <input type="checkbox"/> Water breaks <input type="checkbox"/> Outsloping of road <input checked="" type="checkbox"/> Pipe culverts <input type="checkbox"/> Proposed alternative _____	31. HAS LANDOWNER RECEIVED A COPY OF THIS RESTORATION PLAN? <input checked="" type="checkbox"/> Yes <input 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 Mineral Resources Management.

Signature of Owner/Authorized Agent Mike Feroli

Name (Typed or Printed) Mike Feroli Date 10/4/2011

RESTORATION PLAN MUST BE SUBMITTED TO THE DIVISION IN DUPLICATE.

RECEIVED

OCT 13 2011