

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

<p>1. DATE OF APPLICATION:</p>																				
<p>2. OWNER NAME, ADDRESS, & TELEPHONE NO.:</p>	<p>3. API #:</p>																			
	<p>4. WELL #:</p>																			
	<p>5. LEASE NAME:</p>																			
	<p>6. PROPERTY OWNER:</p>																			
	<p>7. COUNTY:</p>																			
	<p>8. CIVIL TOWNSHIP:</p>																			
	<p>9. SECTION: _____ 10. LOT: _____</p>																			
<p>11. CURRENT LAND USE:</p> <table style="width:100%; border: none;"> <tr> <td><input type="checkbox"/> Cropland</td> <td><input type="checkbox"/> Commercial</td> </tr> <tr> <td><input type="checkbox"/> Pasture</td> <td><input type="checkbox"/> Idle Land</td> </tr> <tr> <td><input type="checkbox"/> Wetlands</td> <td><input type="checkbox"/> Recreational</td> </tr> <tr> <td><input type="checkbox"/> Residential</td> <td><input type="checkbox"/> Industrial</td> </tr> <tr> <td><input type="checkbox"/> Unreclaimed strip mine</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Woodland: <input type="checkbox"/> Broadleaf <input type="checkbox"/> Needlelike</td> <td></td> </tr> </table>	<input 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		<p>17. TYPE OF WELL:</p> <p align="center"> <input type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other </p>							
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	<p>18. STEEPEST SLOPE GRADIENT CROSSING SITE:</p> <table style="width:100%; border: none;"> <tr> <td><input type="checkbox"/> 0 to 2%</td> <td><input type="checkbox"/> 2.1 to 8%</td> </tr> <tr> <td><input type="checkbox"/> 8.1 to 10%</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 10.1 to 24%</td> <td><input type="checkbox"/> greater than 24%</td> </tr> </table>	<input type="checkbox"/> 0 to 2%	<input 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%													
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<p>12. SLOPE GRADIENT & LENGTH DETERMINED FROM:</p> <table style="width:100%; border: none;"> <tr> <td><input type="checkbox"/> Ground Measurement</td> </tr> <tr> <td><input type="checkbox"/> U.S. Geological Survey Topographical Maps</td> </tr> <tr> <td><input type="checkbox"/> Other: (explain) _____</td> </tr> </table>	<input type="checkbox"/> Ground Measurement	<input type="checkbox"/> U.S. Geological Survey Topographical Maps	<input type="checkbox"/> Other: (explain) _____	<p>19. LENGTH OF STEEPEST SLOPE CROSSING SITE:</p> <table style="width:100%; border: none;"> <tr> <td><input type="checkbox"/> 1 to 100 ft.</td> <td><input type="checkbox"/> 101 to 200 ft.</td> </tr> <tr> <td><input type="checkbox"/> 201 to 400 ft.</td> <td><input type="checkbox"/> greater than 400 ft.</td> </tr> </table>	<input 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.												
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<p>13. TYPE OF FALL VEGETAL COVER:</p> <table style="width:100%; border: none;"> <tr><td><input type="checkbox"/> Little or no vegetal cover</td></tr> <tr><td><input type="checkbox"/> Short grasses</td></tr> <tr><td><input type="checkbox"/> Tall weeds or short brush (1 to 2 ft.)</td></tr> <tr><td><input type="checkbox"/> Brush or bushes (2 to 6 ft.)</td></tr> <tr><td><input type="checkbox"/> Agricultural crops</td></tr> <tr><td><input type="checkbox"/> Trees with sparse low brush</td></tr> <tr><td><input type="checkbox"/> Trees with dense low brush</td></tr> </table>	<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 type="checkbox"/> Agricultural crops	<input type="checkbox"/> Trees with sparse low brush	<input type="checkbox"/> Trees with dense low brush	<p>20. RESTORATION OF DRILLING PITS: **</p> <table style="width:100%; border: none;"> <tr><td><input type="checkbox"/> Haul drilling fluids and fill pits</td></tr> <tr><td><input type="checkbox"/> Use steel circulating tanks</td></tr> <tr><td><input type="checkbox"/> Proposed alternative _____</td></tr> </table>	<input type="checkbox"/> Haul drilling fluids and fill pits	<input type="checkbox"/> Use steel circulating tanks	<input type="checkbox"/> Proposed alternative _____									
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<p>14. SOIL & RESOILING MATERIAL AT WELLSITE:</p> <table style="width:100%; border: none;"> <tr> <td><input type="checkbox"/> Stockpile and protect topsoil to be used when preparing seedbed</td> </tr> <tr> <td><input type="checkbox"/> Use of soil additives (e.g., lime, fertilizer)</td> </tr> <tr> <td><input type="checkbox"/> No resoiling planned</td> </tr> <tr> <td><input type="checkbox"/> Proposed alternative _____</td> </tr> </table>	<input 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 _____	<p>21. BACKFILLING AND GRADING AT SITE:</p> <table style="width:100%; border: none;"> <tr> <td><input type="checkbox"/> Construct diversions channeled to naturally established drainage systems</td> </tr> <tr> <td><input type="checkbox"/> Construct terraces across slopes</td> </tr> <tr> <td><input type="checkbox"/> Grade to approximate original contour</td> </tr> <tr> <td><input type="checkbox"/> Grade to minimize erosion & control offsite runoff</td> </tr> <tr> <td><input type="checkbox"/> Proposed alternative _____</td> </tr> </table>	<input 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 type="checkbox"/> Grade to minimize erosion & control offsite runoff	<input type="checkbox"/> Proposed alternative _____										
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<p>15. DISPOSAL PLAN FOR TREES AND TREE STUMPS:</p> <table style="width:100%; border: none;"> <tr> <td><input type="checkbox"/> No trees disturbed</td> <td><input type="checkbox"/> Haul to landfill</td> </tr> <tr> <td><input type="checkbox"/> Cut into firewood</td> <td><input type="checkbox"/> Sell to lumber company</td> </tr> <tr> <td><input type="checkbox"/> Bury with landowner's approval</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Mulch small trees and branches, erosion control</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Use for wildlife habitat with landowner approval</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Proposed alternative _____</td> <td></td> </tr> </table>	<input 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 _____		<p>22. VEGETATIVE COVER TO BE ESTABLISHED AT SITE:</p> <table style="width:100%; border: none;"> <tr> <td><input type="checkbox"/> Seeding plan</td> <td><input type="checkbox"/> Sod</td> </tr> <tr> <td><input type="checkbox"/> Agricultural crops</td> <td><input type="checkbox"/> Trees and/or Bushes</td> </tr> <tr> <td><input type="checkbox"/> Proposed alternative _____</td> <td></td> </tr> </table>	<input 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 _____		
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	<p>23. ADDITIONAL HOLES:</p> <p><input type="checkbox"/> Rat/Mouse, if used, will be plugged</p>																			
	<p>24. PROPOSED OR CURRENT LENGTH OF ACCESS ROAD:</p> <table style="width:100%; border: none;"> <tr> <td><input type="checkbox"/> 100 ft. or less</td> <td><input type="checkbox"/> 101 to 500 ft.</td> </tr> <tr> <td><input type="checkbox"/> 501 to 1500 ft.</td> <td><input type="checkbox"/> greater than 1500 ft.</td> </tr> </table>	<input type="checkbox"/> 100 ft. or less	<input type="checkbox"/> 101 to 500 ft.	<input type="checkbox"/> 501 to 1500 ft.	<input type="checkbox"/> greater than 1500 ft.															
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<p>16. SURFACE AND SUBSURFACE DRAINAGE FACILITIES:</p> <table style="width:100%; border: none;"> <tr> <td><input type="checkbox"/> No existing drainage facilities for removal of surface and/ or subsurface water</td> </tr> <tr> <td><input type="checkbox"/> Tile drainage system underlying land to be disturbed</td> </tr> <tr> <td><input type="checkbox"/> Drain pipe(s) underlying land to be disturbed</td> </tr> <tr> <td><input type="checkbox"/> Surface drainage facilities on land to be disturbed</td> </tr> </table>	<input type="checkbox"/> No existing drainage facilities for removal of surface and/ or subsurface water	<input 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	<p>25. CURRENT LAND USE OF PATH OF ACCESS ROAD:</p> <table style="width:100%; border: none;"> <tr> <td><input type="checkbox"/> Cropland</td> <td><input type="checkbox"/> Pasture</td> <td><input type="checkbox"/> Commercial</td> </tr> <tr> <td><input type="checkbox"/> Idle land</td> <td><input type="checkbox"/> Wetlands</td> <td><input type="checkbox"/> Recreational</td> </tr> <tr> <td><input type="checkbox"/> Industrial</td> <td><input type="checkbox"/> Residential</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Unreclaimed strip mine</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> Woodland: <input type="checkbox"/> Broadleaf <input type="checkbox"/> Needlelike</td> <td></td> <td></td> </tr> </table>	<input 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		
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****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.

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

Signature of Owner/Authorized Agent _____

Name (Typed or Printed) _____ Date _____

RESTORATION PLAN MUST BE SUBMITTED TO THE DIVISION IN DUPLICATE.