SOIL DISTURBANCE AND REMEDIATION IN WYOMING OIL AND GAS FIELDS

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OIL AND GAS PIPELINES IN WYOMING
NATURAL GAS WELLS IN THE JONAH FIELD
SALVAGING TOPSOIL ON A NATURAL GAS WELL PAD SITE
DRILLING ON A NATURAL GAS WELL PAD
REMOVAL OF TOPSOIL FROM PILE FOR RESPREADING
SEEDBED PREPARED IN RESPREAD TOPSOIL
UNDISTURBED SITE NEXT TO WELL PAD UNDER RECLAMATION
LIMITATIONS TO SUCCESSFUL RECLAMATION IN WYOMING

Extremely Challenging Environments:
- Semiarid to Arid Ecosystems
- Short Growing Seasons - High Elevations
- Weakly Developed, Problematic Soils (salty, sodic, salty/sodic)
- Plant Communities Uniquely Adapted, Reestablishment not mastered
- Seed Availability

Weeds
- Cheatgrass and Halogeton

Knowledge and Knowledge Transfer (COMMUNICATION)
Table 4-14

<table>
<thead>
<tr>
<th></th>
<th>Status Through 2001</th>
<th>Short-term Through 2010</th>
<th>Long-term Through 2020</th>
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<tbody>
<tr>
<td>Drilled Wells</td>
<td>5,515</td>
<td>10,178</td>
<td>14,840</td>
</tr>
<tr>
<td>Abandoned Wells</td>
<td>2,955</td>
<td>4,680</td>
<td>6,405</td>
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<tr>
<td>Active Wells</td>
<td>2,580</td>
<td>5,498</td>
<td>8,435</td>
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<tr>
<td>Acres of Disturbance</td>
<td>8,163</td>
<td>15,267</td>
<td>22,260</td>
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</tbody>
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Note: An abandonment rate of 37 percent is assumed in the calculation. Surface disturbance associated with roads, power lines, and compressor stations is not included in these projections.