

SOIL DISTURBANCE AND REMEDIATION IN WYOMING OIL AND GAS FIELDS

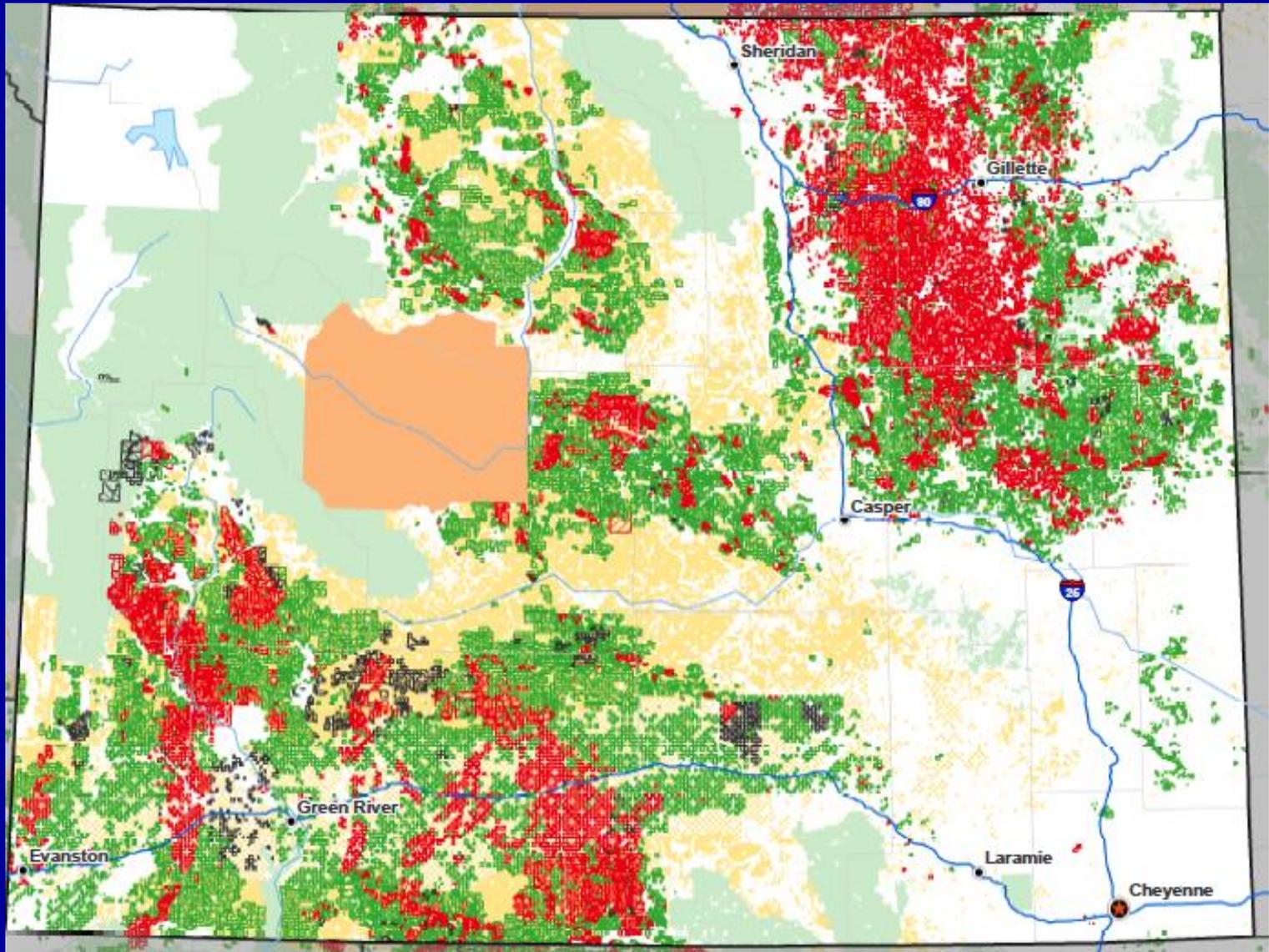


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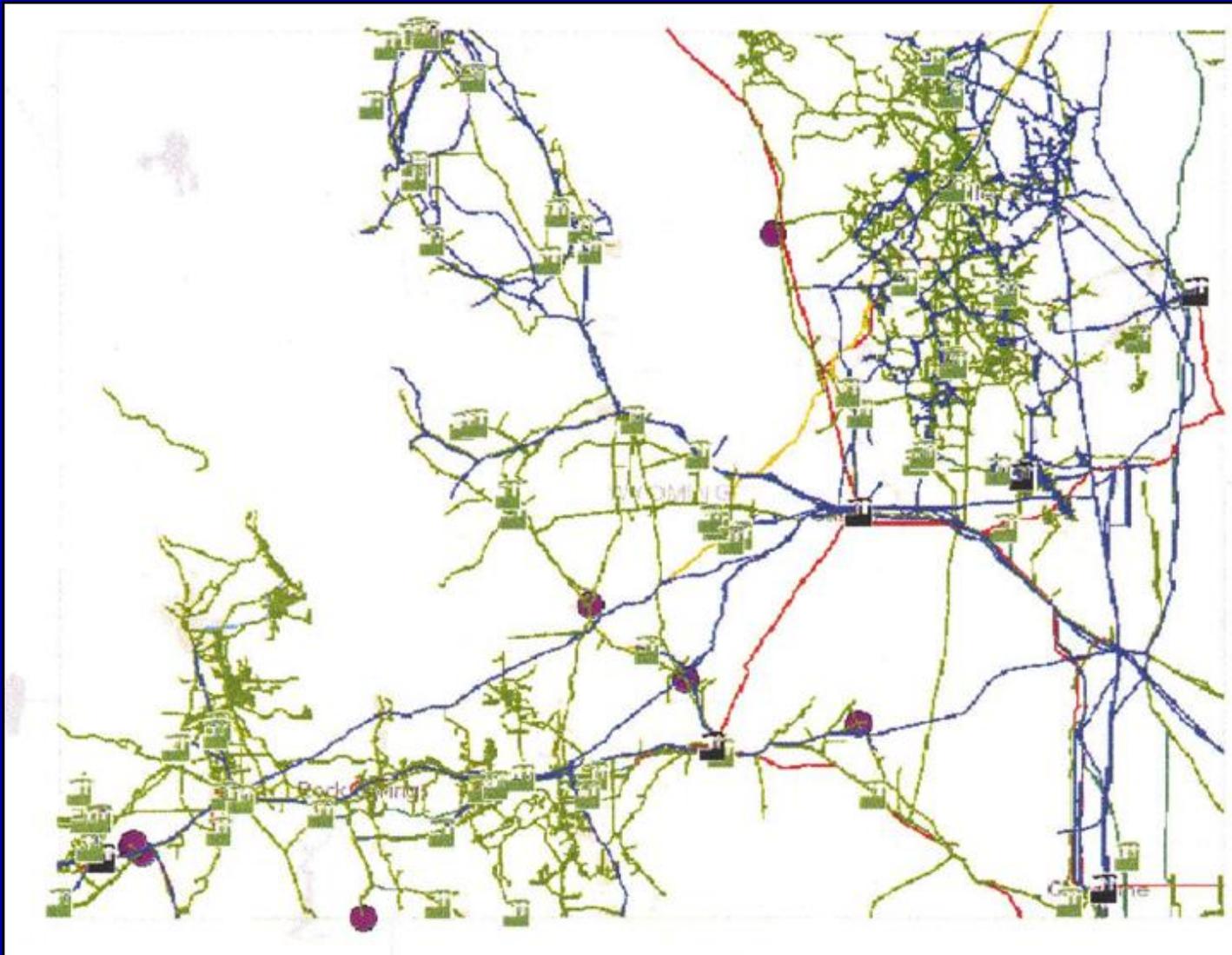
OIL AND GAS DEVELOPMENT IN WYOMING



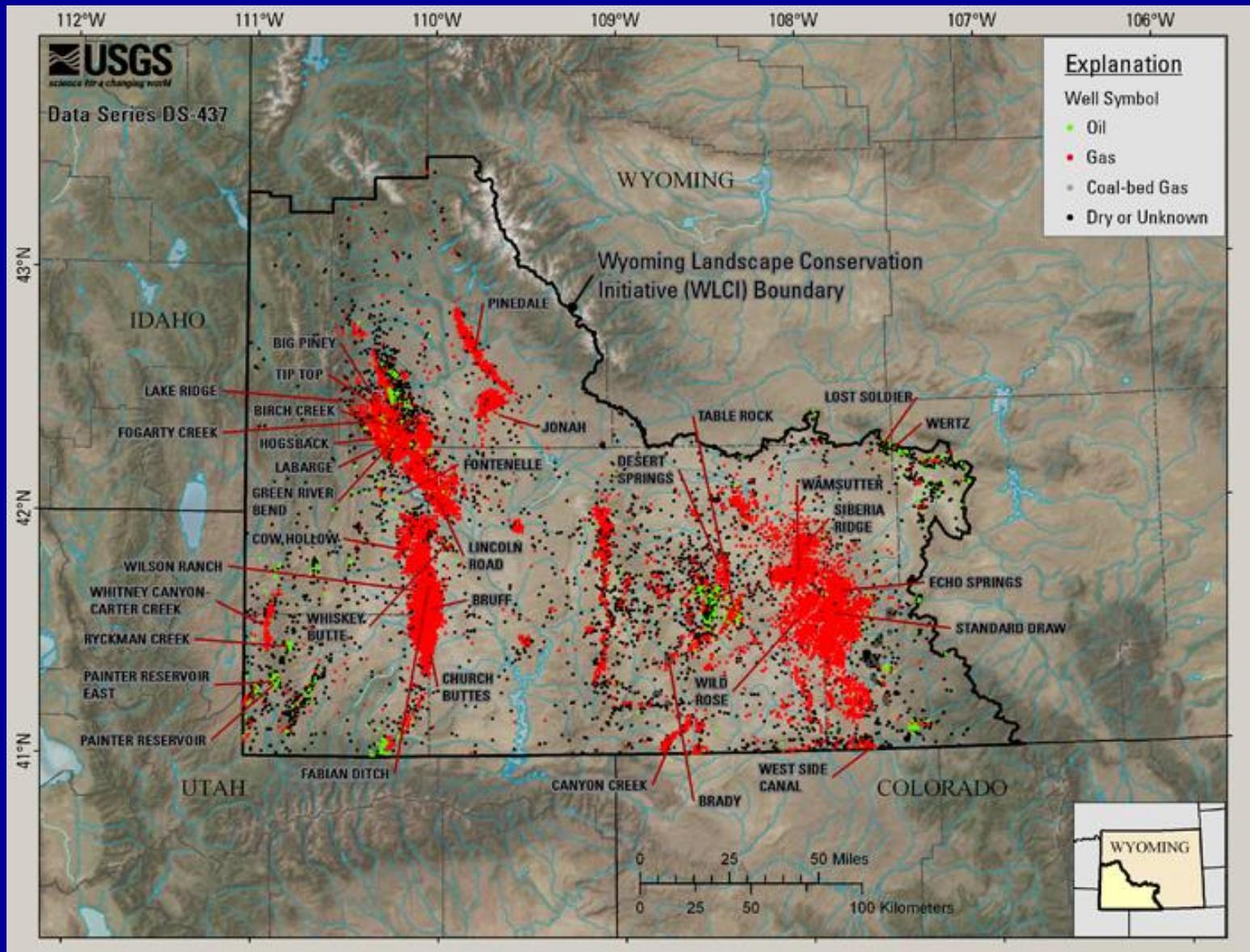
■ Lands leased for Oil and Gas Development

■ Active Oil and Gas Wells

OIL AND GAS PIPELINES IN WYOMING



OIL AND GAS DEVELOPMENT IN SOUTHWESTERN 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 RESREADING



TOPSOIL REAPPLIED TO WELL PAD AFTER DRILLING



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)



SUCCESSFUL SOIL REPLACEMENT AND REVEGETATION



ANTICIPATED DRILLING DISTURBANCE FOR RAWLINS, WY RMPPA

Table 4-14
Projections of Short-term (2010) and Long-term (2020) Drilling Activity
with Associated Surface Disturbance

	Status Through 2001	Short-term Through 2010	Long-term Through 2020
Drilled Wells	5,515	10,178	14,840
Abandoned Wells	2,955	4,680	6,405
Active Wells	2,560	5,498	8,435
Acres of Disturbance	8,163	15,267	22,260

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.