White River BLM Field Office
and
Chevron USA, INC.

Larson B3 and B6 Well Pad Reclamation
Colorado
White River BLM Field Office, Meeker
Rangely, Colorado
The FV Larson B3 and B6 wells were originally drilled in the 1940s, and were plugged by Chevron in 2008.

Reclamation was initiated on these locations, but has not met White River BLM Field Office reclamation success criteria.

Wells are on the banks of the White River that are eroding away.
Concerns included: Reclamation, Erosion and Bank Stabilization, Junk/Debris Removal.

Exposed Pipe from B3 well pad

Piping
Exposed rebar and cement
Success Criteria

From White River Field Office 2015 Resource Management Plan Oil and Gas Amendment

AND

Chevron USA Surface Reclamation Plan for B3 and B6
Terracing the river banks for bank stabilization and reclamation.
- Native shrubs
- Inland saltgrass seed and plugs

Reclaiming the B3 and B6 well pads
- Native BLM Seed Mix developed in coop. with White River BLM Field Office and Chevron
## Seed Mixes

### Recommended Native Seed Mix for B3 and B6 well locations.

<table>
<thead>
<tr>
<th>Location</th>
<th>Grass Type</th>
<th>Seed Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viva Florets</td>
<td>Galleta Grass</td>
<td><em>Pleuraphis jamesii</em></td>
<td>3</td>
</tr>
<tr>
<td>Rimrock</td>
<td>Indian Ricegrass</td>
<td><em>Achnatherum hymenoides</em></td>
<td>3</td>
</tr>
<tr>
<td>Toe Jam Creek</td>
<td>Bottlebrush Squirreltail</td>
<td><em>Elymus elymoides</em></td>
<td>2.5</td>
</tr>
<tr>
<td>Rosana</td>
<td>Western Wheatgrass</td>
<td><em>Pascopyrum smithii</em></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Scarlet Globemallow</td>
<td><em>Sphaeralcea coccinea</em></td>
<td>0.25</td>
</tr>
<tr>
<td></td>
<td>Annual Sunflower</td>
<td><em>Helianthus annus</em></td>
<td>2.5</td>
</tr>
<tr>
<td></td>
<td>Winterfat</td>
<td><em>Krascheninnikovia lanata</em></td>
<td>1</td>
</tr>
<tr>
<td>Wytana</td>
<td>Fourwing Saltbush</td>
<td><em>Atriplex canescens</em></td>
<td>2</td>
</tr>
</tbody>
</table>

*seed mix is pls/acre

### For the terraces:

<table>
<thead>
<tr>
<th>Location</th>
<th>Grass Type</th>
<th>Seed Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodar</td>
<td>Streambank Wheatgrass</td>
<td><em>Elymus lanceolatus ssp. psammophilus</em></td>
<td>3</td>
</tr>
</tbody>
</table>

Inland saltgrass *Distichlis spicata* plugs if at all possible or seed.
Rush or sedge plugs

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**Golden Currant, Fremont Cottonwoods, Skunkbrush Sumac, Coyote Willows, Silver Buffalo Berry, Dogbane**
Amount of Trash/ Dirt Material Removed from the Project Sites?

- **336** cubic yards of cement removed
- **190** cubic yards of brick, block, ceramic tile and general solid waste
- **60** cubic yards of metal
- **30,000** cubic yards of fill dirt hauled off location
Final Terrace Re-Contour

Larson B6 Well Pad and River Terracing
• In 2011, Tamarisk and Russian Olive species were removed from the adjacent “Olive Garden”.

• In 2012, WRFO BLM planted several riparian shrubs in the “Olive Garden”.

• Species were chosen for terrace mixes by observing what was working in the adjacent areas.
QUESTIONS?

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