Data Management System (DMS)

- Track and organize reclamation status data
  - O&G development requires intense recording keeping for BLM – electronic format would be considerably easier for BLM
- Consistent format for all operators
- System send notifications to BLM with status changes – easier
- Operators can plan locations
- Calculate and track Wildlife threshold concept
Welcome to The White River Field Office Data Management System

Mesa Verde Status Summary:

<table>
<thead>
<tr>
<th>Status</th>
<th># Pads</th>
<th>Unreclaimed Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planned</td>
<td>19</td>
<td>81.90</td>
</tr>
<tr>
<td>Construction</td>
<td>10</td>
<td>50.09</td>
</tr>
<tr>
<td>Drilling</td>
<td>4</td>
<td>8.97</td>
</tr>
<tr>
<td>Completion</td>
<td>2</td>
<td>6.65</td>
</tr>
<tr>
<td>Production</td>
<td>16</td>
<td>48.73</td>
</tr>
<tr>
<td>Abandoned</td>
<td>2</td>
<td>3.45</td>
</tr>
</tbody>
</table>

Reclamation Status Summary:

<table>
<thead>
<tr>
<th>Reclamation</th>
<th># Pads</th>
<th>Initiated Acres</th>
<th># Pads</th>
<th>Acres Meticulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phase II</td>
<td>9</td>
<td>20.16</td>
<td>6</td>
<td>10.44</td>
</tr>
<tr>
<td>Final Abandonment</td>
<td>2</td>
<td>1.62</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
### Threshold Tracking

<table>
<thead>
<tr>
<th>Range and Status</th>
<th>Pads</th>
<th>Buffered Disturbance Acres</th>
<th>Total Range Acres</th>
<th>Max Threshold Acres</th>
<th>Threshold Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer Range Acute</td>
<td>0</td>
<td>0.00</td>
<td>11,320.24</td>
<td>1,132.02</td>
<td>0%</td>
</tr>
<tr>
<td>Summer Range Collective</td>
<td>0</td>
<td>0.00</td>
<td>11,320.24</td>
<td>2,264.05</td>
<td>0%</td>
</tr>
<tr>
<td>Winter Range Acute</td>
<td>0</td>
<td>963.62</td>
<td>70,867.67</td>
<td>7,086.77</td>
<td>0%</td>
</tr>
<tr>
<td>Winter Range Collective</td>
<td>0</td>
<td>752.54</td>
<td>70,867.67</td>
<td>14,173.53</td>
<td>6.8%</td>
</tr>
<tr>
<td>Severe Winter Acute</td>
<td>2</td>
<td>752.54</td>
<td>70,263.1</td>
<td>3,513.16</td>
<td>21.42%</td>
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<tr>
<td>Severe Winter Collective</td>
<td>3</td>
<td>1113.34</td>
<td>70,263.1</td>
<td>7,026.31</td>
<td>15.85%</td>
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<tr>
<td>Winter Concentration Areas Acute</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Winter Concentration Areas Collective</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Winter Conc./Severe Winter Acute</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Winter Conc./Severe Winter Collective</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

### RMMP Metrics

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Disturbed Acres</td>
<td>14554 acres</td>
</tr>
<tr>
<td>Total Reclaimed Acres</td>
<td>5834 acres</td>
</tr>
<tr>
<td>% Bare Ground</td>
<td>42.3%</td>
</tr>
<tr>
<td>% Forbs &amp; Shrubs</td>
<td>67.1%</td>
</tr>
<tr>
<td>% Sagebrush Cover</td>
<td>33%</td>
</tr>
<tr>
<td>Name</td>
<td>Type</td>
</tr>
<tr>
<td>----------</td>
<td>-----------</td>
</tr>
<tr>
<td>WILD HORSE 197-3A1</td>
<td>Well Pad</td>
</tr>
<tr>
<td>197-34B3</td>
<td>Facility</td>
</tr>
<tr>
<td>297-2A5</td>
<td>Powerline</td>
</tr>
<tr>
<td>52-19G</td>
<td>Well Pad</td>
</tr>
<tr>
<td>pad101</td>
<td>Well Pad</td>
</tr>
<tr>
<td>pad101-Road</td>
<td>Road</td>
</tr>
<tr>
<td>pad103</td>
<td>Well Pad</td>
</tr>
<tr>
<td>pad103-Road</td>
<td>Road</td>
</tr>
<tr>
<td>pad104</td>
<td>Well Pad</td>
</tr>
<tr>
<td>pad105</td>
<td>Well Pad</td>
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<tr>
<td>pad105-Road</td>
<td>Road</td>
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<tr>
<td>pad106</td>
<td>Well Pad</td>
</tr>
<tr>
<td>pad106-Road</td>
<td>Road</td>
</tr>
</tbody>
</table>
Location: pad103  Operator: Exxon/XTO  Leaseholder: EXXON MOBIL CORP
Severe Winter Range

Location Status:
- Type: Well Pad
- Range Site: PJ Woodlands
- Status: production
- Reclamation Status: Phase II Successful
- Latest Spatial Report: 09/16/2012
- Disturbed Acreage: 2.27 acres
- Reclamation: 2.27 acres
- Number of trips to this pad/week: 0

This location has no status reports. Perhaps you would like to add one?

Map Legend:
- Selected Location's Surface Disturbance
- Selected Location's Reclamation

Downloads:
- ESRI Shapefile
Location Status:

Type: Well Pad
Range Site: PJ Woodlands
Status: Production
Reclamation Status: Phase II Successful
Latest Spatial Report: 09/16/2012
Disturbed Acreage: 8.70 acres
Reclamation: 0.87 acres
Number of trips to this pad/week: 0
Show/Edit Bmp Answers

This location has no status reports. Perhaps you would like to add one?

Pad History:

Nov/09/2012 Status from Construction to Production
Nov/09/2012 Reclamation Status from null to Phase II Successful
Oct/10/2012 Status from Abandoned to Construction
Oct/10/2012 Reclamation Status from Final Reclamation Successful to null
Sep/20/2012 Status from Planned to Abandoned
Sep/20/2012 Reclamation Status from null to Final Reclamation Successful
Sep/20/2012 Status from Completion to Planned

Most Recent Photographs:

No photographs for this location.
BMP Answers for Pad pad101

Do you employ centralized fracturing and water piping? Yes® No®
Do you have offsite centralized production facilities? Yes® No®
Do you employ fully automated remote production monitoring (e.g. remote telemetry)? Yes® No®
Do you employ partially automated remote production monitoring (e.g. remote telemetry)? Yes® No®
Do you employ a 3 phase liquids-gathering system? Yes® No®
If so, were consolidated pipelines installed during initial project construction? Yes® No®
Is the well pad pit-less Yes® No®
Are there multiple well per pad using directional drilling? Yes® No®
Do you bus work crews to reduce truck traffic? Yes® No®
Do you have measures to minimize production noise? Yes® No®
## WRFO Reports

**Report Title:**
Enter text to display at top of report:

**Scope:**
- **Operator:**
  - All
  - 4-H PARTNERSHIP
  - AG ANDRIKOPOULOS RES
  - ALAMO CORPORATION
  - ALPINE OIL & GAS CORP
- **Location Type:**
  - All
  - Well Pad
  - Road
  - Pipeline
  - Other

**Spatial Reports:**
- **Disturbance:**
  - Either
  - Has Disturbance
  - No Disturbance
- **Latest Report:**
  - 12/03/2012
- **Min Disturbance:**
- **Max Disturbance:**
- **Min Reclamation:**
- **Max Reclamation:**

**Status Reports:**
- **Status:**
  - Any
  - Planned
  - Construction
  - Drilling
- **Qualitative:**
  - Either
  - Has Qualitative
  - No Qualitative
- **Latest Qualitative:**
  - 12/03/2012
### Intercept
- Either
- Has Intercept
- No Intercept

### Latest Intercept:
- 12/03/2012

### Latest Seeding:
- 12/03/2012

### Output Modes:
- Format: On-screen List (HTML)
- Interactive Map
- Acrobat Reader (PDF)
- Microsoft Excel (XLS)
- ESRI Shapefile (ZIP)

### Sort by:
- Operator Name, Location Name

### Ordered:
- Ascending

### Weed Status:
- Select one or many:
  - County Noxious
  - State Noxious
  - Undesirable

### Noxious or Undesirable Weed Species:
- Select one or many:
  - AVFA (Avena fatua L. - wild oat)
  - BRTE (Bromus tectorum L. - cheatgrass)
  - CADR (Cardaria draba L. Desv. - whitetop)
  - CAPU6 (Cardaria pubescens (C.A. Mey.) Jarmolenko - hairy whitetop)

### Seeding Method:
- Select one or many:
  - Broadcast
  - Drill
  - Other
<table>
<thead>
<tr>
<th>Operator</th>
<th>Name</th>
<th>Type</th>
<th>Dist Acres</th>
<th>Recl Acres</th>
<th>Blm Approved</th>
<th>Last Seeding</th>
<th>Seed Mix</th>
<th>Last Spatial</th>
<th>Last Qualitative</th>
<th>Last Intercept</th>
<th>Status</th>
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</thead>
<tbody>
<tr>
<td>Balcron Oil</td>
<td>FEDERAL 7-29</td>
<td>Well Pad</td>
<td>1.03</td>
<td>0.83</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
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<td>Construction</td>
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<tr>
<td>Balcron Oil</td>
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<td>Well Pad</td>
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<td>0.28</td>
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<td>06/02/2012</td>
<td>Drilling</td>
</tr>
<tr>
<td>Balcron Oil</td>
<td>WRD FEDERAL 5-28</td>
<td>Well Pad</td>
<td>1.95</td>
<td>1.62</td>
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<td></td>
<td>08/15/2012</td>
<td>Abandoned</td>
</tr>
<tr>
<td>Balcron Oil</td>
<td>WRD FEDERAL 5-29</td>
<td>Well Pad</td>
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<td></td>
<td>No</td>
<td></td>
<td></td>
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<td>Construction</td>
</tr>
<tr>
<td>DOMINION</td>
<td>Pipeline1</td>
<td>Pipeline</td>
<td>76.97</td>
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<td></td>
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<td>08/01/2011</td>
<td>Construction</td>
</tr>
<tr>
<td>Encana Ltd</td>
<td>SP 777</td>
<td>Well Pad</td>
<td>5.66</td>
<td></td>
<td>No</td>
<td></td>
<td></td>
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<td>08/12/2012</td>
<td>Construction</td>
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<tr>
<td>Encana Ltd</td>
<td>WILD HORSE 197-3A1</td>
<td>Well Pad</td>
<td>7.39</td>
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<td>No</td>
<td></td>
<td></td>
<td></td>
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<td>05/01/2012</td>
<td>Construction</td>
</tr>
<tr>
<td>Exxon/XTQ</td>
<td>197-34B3</td>
<td>Facility</td>
<td>10.73</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>10/12/2012</td>
<td>Drilling</td>
</tr>
</tbody>
</table>
System Configuration

- Add a New Operator
- Add New ROW or Pad Operators from Excel Spreadsheet Import
- Add New Notification Email
- Range Site Description
- Species
- Seed Mix
- Seeding Method
- Soil Surface
- Topsoil Storage
- Lower Canopy Layer
- Reclamation Year