

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Buffalo Field Office
Buffalo, Wyoming**

**SURFACE USE
CONDITIONS OF APPROVAL**

POD Name: Acacia

Operator: Yates Petroleum Corporation

List of Wells:

	Well Name	Well #	Qtr/Qtr	Sec	TWP	RNG	Lease #
1	ACACIA FARIS CS FEDERAL COM	1	NENE	1	52N	75W	WYW130612
2	ACACIA FARIS CS FEDERAL COM	3	SWSW	1	52N	75W	WYW130612
3	ACACIA FARIS CS FEDERAL COM	2	NENW	1	52N	75W	WYW130612
4	ACACIA GILDA CS FEDERAL COM	1	SWNW	1	52N	75W	WYW128607
5	ACACIA GILDA CS FEDERAL COM	2	SWNE	1	52N	75W	WYW128607
6	ACACIA GILDA CS FEDERAL COM	3	NESW	1	52N	75W	WYW128607
7	ACACIA FARIS CS FEDERAL COM	4	NENE	2	52N	75W	WYW130612
8	ACACIA GILDA CS FEDERAL	6	NESW	2	52N	75W	WYW128607
9	ACACIA GILDA CS FEDERAL	7	SWSW	2	52N	75W	WYW128607
10	ACACIA GILDA CS FEDERAL	8	SWSE	2	52N	75W	WYW128607
11	ACACIA GILDA CS FEDERAL	5	NESE	2	52N	75W	WYW128607
12	ACACIA GILDA CS FEDERAL COM	4	SWNE	2	52N	75W	WYW128607
13	ACACIA NORTON CS	2	NESW	4	52N	75W	WYW136626
14	ACACIA NORTON CS FEDERAL	1	NESE	4	52N	75W	WYW136626
15	ACACIA NORTON CS FEDERAL	3	SWSW	4	52N	75W	WYW136626
16	ACACIA NORTON CS FEDERAL	4	SWSE	4	52N	75W	WYW136626
17	ACACIA CS	5	NESE	5	52N	75W	WYW130085
18	ACACIA CS	7	SWSW	5	52N	75W	WYW130085
19	ACACIA CS	8	SWSE	5	52N	75W	WYW130085
20	ACACIA CS FEDERAL	1	NENE	5	52N	75W	WYW130085
21	ACACIA CS FEDERAL	2	NENW	5	52N	75W	WYW130085
22	ACACIA CS FEDERAL	4	SWNE	5	52N	75W	WYW130085
23	ACACIA CS FEDERAL	6	NESW	5	52N	75W	WYW130085
24	ACACIA CS FEDERAL COM	3	SWNW	5	52N	75W	WYW130085
25	ACACIA CS	9	NENE	6	52N	75W	WYW130085
26	ACACIA CS	10	SWNE	6	52N	75W	WYW130085
27	ACACIA CS COM	11	NESE	6	52N	75W	WYW130085
28	ACACIA CS FEDERAL	12	NENE	8	52N	75W	WYW130085

	Well Name	Well #	Qtr/Qtr	Sec	TWP	RNG	Lease #
29	ACACIA CS FEDERAL	13	SWNE	8	52N	75W	WYW130085
30	ACACIA CS FEDERAL COM	14	NESE	8	52N	75W	WYW130085
31	ACACIA GILDA CS	11	SWSE	9	52N	75W	WYW128607
32	ACACIA GILDA CS	9	NESE	9	52N	75W	WYW128607
33	ACACIA GILDA CS FEDERAL COM	10	NESW	9	52N	75W	WYW128607
34	ACACIA NORTON CS FEDERAL	5	NENE	9	52N	75W	WYW136626
35	ACACIA NORTON CS FEDERAL	6	NENW	9	52N	75W	WYW136626
36	ACACIA NORTON CS FEDERAL	7	SWNW	9	52N	75W	WYW136626
37	ACACIA NORTON CS FEDERAL	8	SWNE	9	52N	75W	WYW136626
38	ACACIA CS	16	SWNE	10	52N	75W	WYW130085
39	ACACIA CS COM	15	NENW	10	52N	75W	WYW130085
40	ACACIA GILDA CS	14	NESW	10	52N	75W	WYW128607
41	ACACIA GILDA CS	15	SWSW	10	52N	75W	WYW128607
42	ACACIA GILDA CS COM	12	SWNW	10	52N	75W	WYW128607
43	ACACIA GILDA CS COM	13	NESE	10	52N	75W	WYW128607
44	ACACIA FARIS CS COM	7	NESW	11	52N	75W	WYW130612
45	ACACIA FARIS CS FEDERAL	6	SWNW	11	52N	75W	WYW130612
46	ACACIA FARIS CS FEDERAL	5	NENW	11	52N	75W	WYW130612
47	ACACIA FARIS CS FEDERAL	8	NENW	14	52N	75W	WYW130612
48	ACACIA FARIS CS FEDERAL	9	SWNW	14	52N	75W	WYW130612
49	ACACIA IVAN CS	1	NENE	14	52N	75W	WYW132256
50	ACACIA IVAN CS FEDERAL	2	SWNE	14	52N	75W	WYW132256
51	ACACIA IVAN CS FEDERAL	3	NESE	14	52N	75W	WYW132256
52	ACACIA IVAN CS FEDERAL	4	SWSE	14	52N	75W	WYW132256
53	ACACIA GILDA CS COM	16	NESW	15	52N	75W	WYW128607
54	ACACIA IVAN CS	5	NENE	15	52N	75W	WYW132256
55	ACACIA IVAN CS COM	6	SWSW	15	52N	75W	WYW132256

I. Programmatic mitigation measures identified in the PRB FEIS ROD

Groundwater

1. In order to address the potential impacts from infiltration on shallow ground water, the Wyoming DEQ had developed a guidance document, “Compliance Monitoring for Ground Water Protection Beneath Unlined Coalbed Methane Produced Water Impoundments” (June 14, 2004). This guidance document was revised and is superseded by the “Compliance Monitoring and Siting Requirements for Unlined Coalbed Methane Produced Water Impoundments” which was approved September, 2006. Approximately 1,106 new impoundments have been investigated to date (3/07) with 161 impoundments being regulated under 71 permits. Of these impoundments 7 have caused exceedance of the class of use of the receiving aquifer, of which only 1 has not returned to existing class of use of the shallow ground water beneath it.

Surface Water

1. Channel Crossings:
 - a) Minimize channel disturbance as much as possible by limiting pipeline and road crossings.
 - b) Avoid running pipelines and access roads within floodplains or parallel to a stream channel.
 - c) Channel crossings by road and pipelines will be constructed perpendicular to flow. Culverts will be installed at appropriate locations for streams and channels crossed by roads as specified in the BLM Manual 9112-Bridges and Major Culverts and Manual 9113-Roads. Streams will be crossed perpendicular to flow, where possible, and all stream crossing structures will be designed to carry the 25-year discharge event or other capacities as directed by the BLM.
 - d) Channel crossings by pipelines will be constructed so that the pipe is buried at least four feet below the channel bottom.
2. Low water crossings will be constructed at original streambed elevation in a manner that will prevent any blockage or restriction of the existing channel. Material removed will be stockpiled for use in reclamation of the crossings.
3. Concerns regarding the quality of the discharged CBNG water on downstream irrigation use may require operators to increase the amount of storage of CBNG water during the irrigation months and allow more surface discharge during the non-irrigation months.
4. The operator will be required to provide a reclamation bond for impoundments over federal minerals in the amount specified by a qualified Professional Engineer for the impoundments to be used for the management of CBNG water. The bond amount will be submitted within 90 days after POD approval and will be approved by the BLM prior to commencing construction.
5. The operator will supply a copy of the complete approved SW-4, SW-3, or SW-CBNG permits to BLM as they are issued by WSEO for impoundments.

Soils

1. The Companies, on a case by case basis depending upon water and soil characteristics, will test sediments deposited in impoundments before reclaiming the impoundments. Tests will include the standard suite of cations, ions, and nutrients that will be monitored in surface water testing and any trace metals found in the CBNG discharges at concentrations exceeding detectable limits.

Vegetation

1. Temporarily fence reseeded areas, if not already fenced, for at least two complete growing seasons to insure reclamation success on problematic sites (e.g. close to livestock watering source, erosive soils etc.).

Wetland/Riparian

1. Power line corridors will avoid wetlands, to the extent possible, in order to reduce the chance of waterfowl hitting the lines. Where avoidance can't occur, the minimum number of poles necessary to cross the area will be used.
2. Wetland areas will be disturbed only during dry conditions (that is, during late summer or fall), or when the ground is frozen during the winter.
3. No waste material will be deposited below high water lines in riparian areas, flood plains, or in natural drainage ways.
4. The lower edge of soil or other material stockpiles will be located outside the active floodplain.

5. Disturbed channels will be re-shaped to their approximate original configuration or stable geomorphological configuration and properly stabilized.
6. Reclamation of disturbed wetland/riparian areas will begin immediately after project activities are complete.

Wildlife

1. For any surface-disturbing activities proposed in sagebrush shrublands, the Companies will conduct clearance surveys for sage grouse breeding activity during the sage grouse's breeding season before initiating the activities. The surveys must encompass all sagebrush shrublands within 0.5 mile of the proposed activities.
2. The Companies will locate facilities so that noise from the facilities at any nearby sage grouse or sharp-tailed grouse display grounds does not exceed 49 decibels (10 dBA above background noise) at the display ground.
3. The Companies will construct power lines to minimize the potential for raptor collisions with the lines. Potential modifications include burying the lines, avoiding areas of high avian use (for example, wetlands, prairie dog towns, and grouse leks), and increasing the visibility of the individual conductors.
4. Containment impoundments will be fenced to exclude wildlife and livestock. If they are not fenced, they will be designed and constructed to prevent entrapment and drowning.
5. The Companies will limit the construction of aboveground power lines near streams, water bodies, and wetlands to minimize the potential for waterfowl colliding with power lines.
6. All stock tanks shall include a ramp to enable trapped small birds and mammals to escape. See Idaho BLM Technical Bulletin 89-4 entitled Wildlife Watering and Escape Ramps on Livestock Water Developments: Suggestions and Recommendations.

At the discretion of the surface owner, native species would be planted to re-establish special habitats.

Additional measures may be necessary if the site-specific project is determined by a Bureau biologist to have an adverse effect on a Threatened, Endangered, Proposed, or Candidate species or their habitat.

Threatened, Endangered, or Sensitive Species

Bald Eagle

1. Special habitats for raptors, including wintering bald eagles, will be identified and considered during the review of Sundry Notices.
2. Surveys for active bald eagle nests and winter roost sites will be conducted within suitable habitat by a biologist. Surface disturbing activities will not be permitted within one mile of suitable habitat prior to survey completion.
3. A disturbance-free buffer zone of at least 0.5 mile will be established year round for any identified bald eagle nests. This buffer may be adjusted based on topographic features, visibility, disturbance and human activity levels, land use plans, and other factors. A seasonal minimal disturbance buffer zone of at least 1-mile will be established for all bald eagle nest sites (February 1 – August 15). These buffer zone restrictions will be based on site specific information and coordinated with the

Service's Wyoming Field Office which will provide written agreement. Note: Although active bald eagle nests occur throughout the PRBEIS project area; they are more concentrated along Clear Creek, Piney Creek, Powder River, and Tongue River.

4. A year-round disturbance-free buffer zone of at least 0.5 mile will be established year round for any identified bald eagle roost sites. This buffer may be adjusted based on topographic features, visibility, disturbance and human activity levels, land use plans, and other factors. A seasonal minimal disturbance buffer zone of at least 1-mile will be established for all bald eagle roost sites (November 1 – April 15). These buffer zone restrictions will be based on site specific information and coordinated with the Service's Wyoming Field Office which will provide written agreement. Note: Although active bald eagle roosts occur throughout the PRBEIS project area; they are more concentrated along Clear Creek, Piney Creek, Powder River, and Tongue River.
5. Weed treatment and limited reclamation activities (i.e. seeding) may occur within a 0.5 to 1.0 mile radius of active bald eagle nests between May 15 and June 15. Operators must contact the authorizing agency who will coordinate with and receive written confirmation from the Service before application of this measure.

Ute Ladies'-tresses Orchid

1. Moist soils near wetlands, streams, lakes, or springs in the project area will be promptly revegetated if construction activities impact the vegetation in these areas. Revegetation will be designed to avoid the establishment of noxious weeds.
2. If reclamation or weed treatment is proposed within suitable Ute ladies'-tresses habitat and during the orchid's growing season (July 1 – September 30) then a survey for the orchid, according to FWS protocol, shall be conducted prior to treatment. If any orchids are found, in order to minimize potential effects, the Service shall be consulted with prior to implementation.

Visual Resources

1. The Companies will mount lights at compressor stations on a pole or building and direct them downward to illuminate key areas within the facility while minimizing the amount of light projected outside the facility.

Noise

1. Noise mufflers will be installed on the exhaust of compressor engines to reduce the exhaust noise.
2. Where noise impacts to existing sensitive receptors are an issue, noise levels will be required to be no greater than 55 decibels measured at a distance of one-quarter mile from the appropriate booster (field) compressor. When background noise exceeds 55dBA, noise levels will be no greater than 5dBA above background. This may require the installation of electrical compressor motors at these locations.

Air Quality

1. During construction, emissions of particulate matter from well pad and resource road construction will be minimized by application of water, or other dust suppressants, with at least 50 percent control efficiency. Roads and well locations constructed on soils susceptible to wind erosion could be appropriately surfaced or otherwise stabilized to reduce the amount of fugitive dust generated by traffic or other activities, and dust inhibitors (surfacing materials, non-saline dust suppressants, and water) could be used as necessary on unpaved collector, local and resource roads that present a fugitive dust problem. The use of chemical dust suppressants on BLM surface will require prior approval from the BLM authorized officer.

II. Site Specific Conditions of Approval

1. All changes made at the onsite will be followed. They have all been incorporated into the operator’s plan of development.
2. The proposed disturbances are along ridges in shallow sandy and sandy soils that are highly susceptible to wind erosion. For those proposed disturbance areas identified below, there are lands having a wind erodibility index (I) in tons/acre/year averaging 220 ton/acre/year if not properly mitigated. These soils have low available water holding capacity, low soil organic matter content, limited topsoil depth, and low soil fertility making the potential for reclamation and stabilization very difficult. The sites must be stabilized in a manner which eliminates erosion until a self-perpetuating non-weed native plant community has stabilized the site in accordance with the Wyoming Reclamation Policy. Stabilization efforts shall be finished within 30 days of the initiation of construction activities.

Well name(s):

Well Name	Well #	Qtr/Qtr	Sec	TWP	RNG
ACACIA CS COM	11	NESE	6	52N	75W
ACACIA CS	9	NENE	6	52N	75W
ACACIA CS FEDERAL COM	3	SWNW	5	52N	75W
ACACIA NORTON CS FEDERAL	6	NENW	9	52N	75W
ACACIA IVAN CS FEDERAL	4	SWSE	14	52N	75W
ACACIA GILDA CS FEDERAL	8	SWSE	2	52N	75W
ACACIA FARIS CS FEDERAL COM	1	NENE	1	52N	75W

Road / Pipeline section (s):

- Engineered section and template road for the Gilda CS Federal Com #10 well site.
 - Access Road for the Gilda CS Federal Com #12 well site.
3. The following well locations will be temporarily fenced reseeded areas, if not already fenced, for at least two complete growing seasons to insure reclamation success

Well Name	Well #	Qtr/Qtr	Sec	TWP	RNG
ACACIA CS COM	11	NESE	6	52N	75W
ACACIA CS	9	NENE	6	52N	75W
ACACIA CS FEDERAL COM	3	SWNW	5	52N	75W
ACACIA NORTON CS FEDERAL	6	NENW	9	52N	75W
ACACIA IVAN CS FEDERAL	4	SWSE	14	52N	75W
ACACIA GILDA CS FEDERAL	8	SWSE	2	52N	75W
ACACIA FARIS CS FEDERAL COM	1	NENE	1	52N	75W
ACACIA GILDA CS FEDERAL	7	SWSW	2	52N	75W

4. The following impoundments are located on BLM surface and are not allowed to be constructed until a ROW application and bond has been authorized by the Buffalo Field Office.

	IMPOUNDMENT Name / Number	Qtr/Qtr	Section	TWP	RNG	Lease Number
1	DAME	NESW	33	53	75	WYW143986
2	EDLEE	NWSE	4	52	75	WYW136626
3	HACK	SWSE	4	52	75	WYW136626
4	HYDROPHYLILIC	NWNE	14	52	75	WYW132256
5	LESLIE	SESE	10	52	75	WYW132256
6	MOUTH	SESW	14	52	75	WYW139678
7	NOTRE DAME	NWNE	14	52	75	WYW132256
8	SCORIA FALLS	NWSE	6	52	75	WYW130085
9	SHELF ROCK	SWNE	2	52	75	WYW146813
10	TEN RING	SWNE	4	52	75	WYW138313
11	THE BANDIT	SENE	10	52	75	WYW130085
12	TIE	SESE	4	52	75	WYW136626
13	TRAFFIC	NWNW	15	52	75	WYW128607
14	VIBE	NWNE	2	52	75	WYW146813
15	WORLEY DRAW	NWNW	11	52	75	WYW130612
16	COTTONWOOD	NWNW	1	52	75	WYW128607

5. The approval of this project does not grant authority to use off lease Federal lands. No access or surface activity is allowed on or off the affected leases on Federal lands until right-of-way grants become authorized.
6. The following three reservoirs were denied in order to protect a red-tail hawk nest and sharp tail grouse nesting and brooding habitat:

	IMPOUNDMENT Name / Number	Qtr/Qtr	Sec	TWP	RNG	Lease Number	Outfall #
1	EXISTING RESERVOIR SPRING DRAW	NWNE	4	52	75	WYW138313	030
3	BURNING COAL	NWNE	1	52	75	WYW130612	002
4	DIXIE LYNN	NENW	1	52	75	WYW130612	001

7. All permanent above-ground structures (e.g., production equipment, tanks, etc.) not subject to safety requirements will be painted to blend with the natural color of the landscape. The paint used will be a color which simulates "Standard Environmental Colors." The color selected for the Acacia POD is Covert Green, 18-0617 TPX.
8. The operator will drill seed on the contour to a depth of 0.5 inch, followed by cultipaction to compact the seedbed, preventing soil and seed losses. To maintain quality and purity, the current years tested, certified seed with a minimum germination rate of 80% and a minimum purity of 90% will be used. On BLM surface or in lieu of a different specific mix desired by the surface owner, use the following:

(15"-17" Precip Zone) Loamy Sites:

Well Name	Well #	Qtr/Qtr	Sec	TWP	RNG	Lease #
ACACIA FARIS CS FEDERAL COM	1	NENE	1	52N	75W	WYW130612
ACACIA FARIS CS FEDERAL COM	3	SWSW	1	52N	75W	WYW130612
ACACIA GILDA CS FEDERAL COM	1	SWNW	1	52N	75W	WYW128607
ACACIA GILDA CS FEDERAL COM	3	NESW	1	52N	75W	WYW128607
ACACIA FARIS CS FEDERAL COM	4	NENE	2	52N	75W	WYW130612
ACACIA GILDA CS FEDERAL	6	NESW	2	52N	75W	WYW128607
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ACACIA NORTON CS FEDERAL	4	SWSE	4	52N	75W	WYW136626
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ACACIA CS	8	SWSE	5	52N	75W	WYW130085
ACACIA CS FEDERAL	4	SWNE	5	52N	75W	WYW130085
ACACIA CS FEDERAL	6	NESW	5	52N	75W	WYW130085
ACACIA CS FEDERAL	12	NENE	8	52N	75W	WYW130085
ACACIA CS FEDERAL	13	SWNE	8	52N	75W	WYW130085
ACACIA GILDA CS	9	NESE	9	52N	75W	WYW128607
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ACACIA IVAN CS	5	NENE	15	52N	75W	WYW132256
ACACIA IVAN CS COM	6	SWSW	15	52N	75W	WYW132256

15"-17" Loamy Ecological Site

Species - Cultivar	% in Mix	Lbs PLS
Thickspike Wheatgrass – <i>Critana</i> OR Western Wheatgrass - <i>Rosana</i>	35	4.2

Species - Cultivar	% in Mix	Lbs PLS
Bluebunch Wheatgrass – <i>Secar or P-7</i>	15	1.8
Green needlegrass - <i>Lodorm</i>	25	3.0
American vetch OR Cicer Milkvetch - <i>Lutana</i>	10	1.2
White – <i>Antelope</i> or Purple Prairie Clover – <i>Bismarck</i>	5	0.60
Lewis - <i>Appar</i> , Blue, or Scarlet flax	5	0.60
Winterfat – <i>Open Range</i>	5	0.60
Totals	100%	12 lbs/acre

(15"-17" Precip Zone) Shallow Loamy Sites:

Well Name	Well #	Qtr/Qtr	Sec	TWP	RNG	Lease #
ACACIA NORTON CS	2	NESW	4	52N	75W	WYW136626
ACACIA CS FEDERAL	2	NENW	5	52N	75W	WYW130085
ACACIA CS FEDERAL COM	3	SWNW	5	52N	75W	WYW130085
ACACIA CS	9	NENE	6	52N	75W	WYW130085
ACACIA CS	10	SWNE	6	52N	75W	WYW130085
ACACIA CS COM	11	NESE	6	52N	75W	WYW130085
ACACIA CS FEDERAL COM	14	NESE	8	52N	75W	WYW130085
ACACIA GILDA CS	11	SWSE	9	52N	75W	WYW128607
ACACIA GILDA CS FEDERAL COM	10	NESW	9	52N	75W	WYW128607
ACACIA GILDA CS	14	NESW	10	52N	75W	WYW128607
ACACIA GILDA CS	15	SWSW	10	52N	75W	WYW128607
ACACIA GILDA CS COM	12	SWNW	10	52N	75W	WYW128607
ACACIA FARIS CS FEDERAL	5	NENW	11	52N	75W	WYW130612
ACACIA FARIS CS FEDERAL	8	NENW	14	52N	75W	WYW130612
ACACIA FARIS CS FEDERAL	9	SWNW	14	52N	75W	WYW130612
ACACIA IVAN CS FEDERAL	3	NESE	14	52N	75W	WYW132256
ACACIA IVAN CS FEDERAL	4	SWSE	14	52N	75W	WYW132256

15"-17" Shallow Loamy Ecological Site

Species - Cultivar	% in Mix	Lbs PLS
Western Wheatgrass – <i>Rosana</i>	30	3.6
Bluebunch Wheatgrass – <i>Secar or P-7</i>	20	2.4
Green needlegrass - <i>Lodorm</i>	20	2.4
Thickspike Wheatgrass – <i>Critana</i>	15	1.8
White – <i>Antelope</i> or Purple Prairie Clover – <i>Bismarck</i>	5	0.60
Prairie coneflower	5	0.60
American vetch	5	0.60
Totals	100%	12 lbs/acre

(15"-17" Precip Zone) Clayey Sites:

Well Name	Well #	Qtr/Qtr	Sec	TWP	RNG	Lease #
ACACIA FARIS CS FEDERAL COM	2	NENW	1	52N	75W	WYW130612
ACACIA GILDA CS FEDERAL COM	2	SWNE	1	52N	75W	WYW128607
ACACIA NORTON CS FEDERAL	1	NESE	4	52N	75W	WYW136626
ACACIA CS FEDERAL	1	NENE	5	52N	75W	WYW130085
ACACIA CS COM	15	NENW	10	52N	75W	WYW130085
ACACIA GILDA CS COM	13	NESE	10	52N	75W	WYW128607
ACACIA FARIS CS FEDERAL	6	SWNW	11	52N	75W	WYW130612

15"-17" Clayey Ecological Site

Species - Cultivar	% in Mix	Lbs PLS
Western Wheatgrass – <i>Rosana</i>	40	4.8
Green needlegrass - <i>Lodorm</i>	40	4.8
American vetch OR Cicer Milkvetch - <i>Lutana</i>	10	1.2
Lewis - <i>Appar</i> , Blue, or Scarlet flax	5	0.60

Species - Cultivar	% in Mix	Lbs PLS
Fourwing saltbush	5	0.60
Totals	100%	12 lbs/acre

(10"-14" Precip Zone) Clayey Sites:

Well Name	Well #	Qtr/Qtr	Sec	TWP	RNG	Lease #
ACACIA CS	7	SWSW	5	52N	75W	WYW130085

10"-14" Clayey Ecological Site

Species - Cultivar	% in Mix	Lbs PLS
Western Wheatgrass - <i>Rosana</i>	35	4.2
Slender Wheatgrass	20	1.2
Green needlegrass - <i>Lodorm</i>	30	4.8
American vetch OR Rocky Mountain beeplant	5	0.60
White - <i>Antelope</i> or Purple Prairie Clover - <i>Bismarck</i>	5	0.60
Prairie coneflower	5	0.60
Totals	100%	12 lbs/acre

9. If any dead or injured sensitive species is located during construction or operation, the BLM Buffalo Field Office (307-684-1100) shall be notified within 24 hours.

10. The Record of Decision for the Powder River Basin EIS includes a programmatic mitigation measure that states, "The companies will conduct clearance surveys for threatened and endangered or other special-concern species at the optimum time". The measure requires companies to coordinate with the BLM before November 1 annually to review the potential for disturbance and to agree on inventory parameters. Should this project not be completed by November 1, 2007 additional surveys may be required.

11. The following conditions will minimize impacts to bald eagles:

- a. Prior to contracting for the overhead powerline that crosses Wild Horse Creek, Yates, the contracting entity, BLM and the US Fish and Wildlife shall meet to decide how this line can be constructed to comply with the Endangered Species Act
- b. No surface disturbing activity shall occur within one mile of bald eagle habitat (Wild Horse Creek) annually from November 1 through April 1 (CM9), prior to a winter roost survey or from February 1 through August 15 (CM8) prior to a nesting survey. This affects the 10 Acacia, 11 Acacia wells and access, and the 7 Acacia well. A survey will be required on an annual basis for the duration of surface disturbing activities.
- c. If a roost is identified and construction has not been completed, a year round disturbance-free buffer zone of 0.5 mile and a seasonal (November 1 - April 1) minimal disturbance buffer zone of 1 mile will be established for all bald eagle winter roost sites. Additional measures such as remote monitoring and restricting maintenance visitation to between 9:00 AM and 3:00 PM will be necessary to prevent disturbance.
- d. If a nest is identified and construction has not been completed, a disturbance-free buffer zone of 0.5 mile (i.e., no surface occupancy) would be established year round for all bald eagle nests. A seasonal minimum disturbance buffer zone of 1-mile will be established for all bald eagle nest sites (February 1 - August 15).
- e. The Companies will construct power lines to minimize the potential for eagle/raptor collisions with the lines. Potential modifications include burying the lines, avoiding areas of high avian use (for example, wetlands, prairie dog towns, and grouse leks), and increasing the visibility of the individual conductors (particularly within one mile of bald eagle nest and roost habitat).

12. The following conditions will minimize impacts to raptors:

- a. The western-most existing reservoir in Spring Draw (NWNE Section 4) will not be permitted to receive produced water in order to protect the red-tailed hawk nest next to the dam.
- b. No surface disturbing activity including maintenance activity shall occur on Cottonwood Reservoir that is within ½ mile of the golden eagle nest (BLM ID # 2770) from February 1 through July 31, annually prior to a raptor nest occupancy survey for the current breeding season.
- c. No surface disturbing activity shall occur within ½ mile of all identified raptor nests from February 1 through July 31, annually, prior to a raptor nest occupancy survey for the current breeding season. This affects the following wells, reservoirs and their associated infrastructure;

WELL / PIT #	BLM ID #	SPECIES	UTM (NAD 83)	2006 STATUS	DISTANCE IN MILES
Dame Reservoir	3519	Unknown	429965 4931817	Inactive	0.25
Dame Reservoir	3795	Great-horned owl	429367 4930964	Active	0.25
10ACAC	3796	Unknown	425952 4930055	Undetermined	.05
10ACAC	3797	Unknown	425945 4930048	Undetermined	.05
Target , Corky, Ten Ring, Ed Lee Reservoirs	3798	Red-tailed hawk	429480 4929990	Active	0.25-0.5
10ACAC	3799	Unknown	425933 4929942	Undetermined	.05
10ACAC Scoria Falls Reservoir	3800	Red-tailed hawk	425845 4929520	Undetermined	.05
2FARI COM	2770	Golden Eagle	434196	Active	0.4

WELL / PIT #	BLM ID #	SPECIES	UTM (NAD 83)	2006 STATUS	DISTANCE IN MILES
2GILD COM 3GILD COM 3FARI COM 5GILD Cottonwood			4929484		0.3 0.3 0.5 0.5 0.3 0.3 0.25
10ACAC 11ACAC COM Scoria Falls Res.	3801	Great-horned owl	426246 4929241	Undetermined	0.4 0.5 0.25
1NORT 5NORT 12GILD COM 15ACAC Well Garden Tie Horse Pasture	3802	Unknown buteo	430834 4928854	Inactive	0.4 0.4 0.5 0.3 0.4 0.4 0.3
11GILD COM	2632	Red-tailed hawk	429975 4926488	Inactive	0.4
15GILD 11GILD COM Middle Fork Clide Traffic	3806	Unknown	430306 4926583	Inactive	0.4 0.3 0.5 0.4 0.4
3IVAN 4IVAN	2635	Unknown	433410 4925311	Undetermined	0.5 0.3

- d. Surveys to document nest occupancy shall be conducted by a biologist following BLM protocol, between April 15 and June 30. All survey results shall be submitted in writing to a Buffalo BLM biologist and approved prior to surface disturbing activities. Surveys outside this window may not depict nesting activity. If a survey identifies active raptor nests, a ½ mile timing buffer will be implemented. The timing buffer restricts surface disturbing activities within ½ mile of occupied raptor nests from February 1 to July 31.
- e. Nest productivity checks on the above listed nests shall be completed for the first five years following project completion. The productivity checks shall be conducted no earlier than June 1 or later than June 30 and any evidence of nesting success or production shall be recorded. Survey results will be submitted to a Buffalo BLM biologist in writing no later than July 31 of each survey year.

13. The following conditions will minimize impacts to sage-grouse:

- a. No surface disturbing activities are permitted within 2 miles of the Twentymile lek (T52N:R75W:S24), the Laramore lek T53N:R75W:S26, and the 41-Colton lek T53N:R74W:S32 between March 1 and June 15, prior to completion of a greater sage-grouse lek survey (activity status on previously identified leks and searches for new lek sites) for the current breeding season and results reviewed by a BLM biologist. This condition will be implemented on an annual basis for the duration of surface disturbing activities.

This will apply to following as depicted on the 2/27/07 map D: **all of sections 1, 2, 11, 14, 16GILD-COM, 5IVAN.**

- b. If an active lek is identified during the survey, the 2 mile timing restriction (March 1-June 15) will be applied and surface disturbing activities will not be permitted until after the nesting season. If surveys indicate that the identified lek is inactive during the current breeding season, surface disturbing activities may be permitted within the 2 mile buffer until the following breeding season (March 1). The required sage grouse survey will be conducted by a biologist following the most current WGFD protocol. All survey results shall be submitted in writing to a Buffalo BLM biologist and approved prior to surface disturbing activities.
 - c. Well metering, maintenance and other site visits within 0.5 miles of documented sage grouse lek sites shall be minimized as much as possible during the breeding season (March 1– June 15), and restricted to between 0900 and 1500 hours.
 - d. Creation of raptor hunting perches will be avoided within 0.5-mile of documented sage grouse lek sites. Perch inhibitors will be installed to deter avian predators from preying on sage grouse.
4. The following conditions will minimize impacts to sharp-tailed grouse:
- a. The Burning Coal and Dixie Lynn Reservoirs will not be permitted to protect the Eaton II sharp-tailed lek and adjacent nesting and brood-rearing habitat.
 - b. A 1/2 mile timing restriction (March 1-June 15) will be applied to the Eaton II lek. Surface disturbing activities will not be permitted until after the nesting season for the following locations: 1FARI-COM, 2FARI-COM, 1GILD-COM, 2GILD-COM, and Cottonwood Reservoirs.
 - c. The project area, and surrounding buffer (1/2 miles from proposed disturbance) shall be surveyed for grouse yearly until all construction is completed. If an active lek is identified during future surveys, the 1/2 mile timing restriction (March 1-June 15) will be applied and surface disturbing activities will not be permitted until after the nesting season. If surveys indicate that the identified lek is inactive during the current breeding season, surface disturbing activities will be permitted within the buffer until the following breeding season (March 1). The required survey will be conducted by a biologist following BLM and WGFD protocol. All survey results shall be submitted in writing to a Buffalo BLM biologist prior to surface disturbing activities.
5. The following conditions will minimize impacts to black-tailed prairie dog:
- a. The powerline proposed over the prairie dog town in the NESW Section 2 shall be fitted with perch inhibitors to prevent raptor perching. If power poles are placed by a contractor, then Yates shall specify in their work order that poles be fitted with perch inhibitors.
6. Please contact Mary Maddux Natural Resource Specialist, @ (307) 684-1164, Bureau of Land Management, Buffalo, if there are any questions concerning these surface use COAs.

III. Standard Conditions of Approval

A. General

- 1. If any cultural values [sites, artifacts, human remains (Appendix L FEIS)] are observed during operation of this lease/permit/right-of-way, they will be left intact and the Buffalo Field Manager notified. The authorized officer will conduct an evaluation of the cultural values to establish appropriate mitigation, salvage or treatment. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for

collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized BLM officer (AO). Within five working days the AO will inform the operator as to:

- whether the materials appear eligible for the National Register of Historic Places;
 - the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and,
 - a time-frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction measures.
2. If paleontological resources, either large or conspicuous, and/or a significant scientific value are discovered during construction, the find will be reported to the Authorized Officer immediately. Construction will be suspended within 250 feet of said find. An evaluation of the paleontological discovery will be made by a BLM approved professional paleontologist within five (5) working days, weather permitting, to determine the appropriate action(s) to prevent the potential loss of any significant paleontological values. Operations within 250 feet of such a discovery will not be resumed until written authorization to proceed is issued by the Authorized Officer. The applicant will bear the cost of any required paleontological appraisals, surface collection of fossils, or salvage of any large conspicuous fossils of significant scientific interest discovered during the operation.
 3. The operator shall restrict travel on unimproved two-track roads during periods of inclement weather or spring thaw when the possibility exists for excessive surface resource damage (e.g., rutting in excess of 4-inches, travel outside two-track roadway, etc.).
 4. The first well drilled to each targeted coal zone will be designated as the POD reference well. Designated reference wells must have the ability to be sampled at the wellhead. Water quality samples will be collected by the operator and submitted for analysis using current WDEQ WYPDES analytical criteria within 30-60 days of initial water production. Results of the analysis will be submitted to the BFO-BLM Authorized Officer as they become available.
 5. By November 1 each year, companies will provide georeferenced spatial data depicting as-built locations of all facilities, wells, roads, pipelines, power lines, reservoirs, discharge points, and other related facilities to the BLM for all PODs where construction and development have been completed.
 6. If any dead or injured threatened, endangered, proposed, or candidate species is located during construction or operation, the U.S. Fish and Wildlife Service's Wyoming Field Office (307-772-2374), their law enforcement office (307-261-6365), and the BLM Buffalo Field Office (307-684-1100) shall be notified within 24 hours. If any dead or injured sensitive species is located during construction or operation, the BLM Buffalo Field Office (307-684-1100) shall be notified within 24 hours.
 7. Wildlife species are dynamic and new individuals may have moved into the Acacia POD area after the initial wildlife surveys were completed. The Record of Decision for the PRB FEIS includes a programmatic mitigation measure that states, "The companies will conduct clearance surveys for threatened and endangered or other special-concern species at the optimum time". The measure requires companies to coordinate with the BLM before

November 1 annually to review the potential for disturbance and to agree on inventory parameters. Should this project not be completed by January 15, and surface disturbance is planned for that year, a Yates Petroleum Corporation company representative will coordinate with the BLM to discuss required surveys.

8. All other conservation measures and terms and conditions identified in the Powder River Basin Oil and Gas Project Biological Opinion (WY6633) shall be complied with.
9. If an undocumented raptor nest is located during project construction or operation, the Buffalo Field Office (307-684-1100) shall be notified within 24 hours.
10. All contractors will have a copy of the pod map and conditions of approval with them at all times.

B. Construction

1. A pre-construction field meeting shall be conducted prior to beginning any dirt work approved under this POD. The operator shall contact the BLM Authorized Officer Mary Maddux @ 307-684-1164 at least 4-days prior to beginning operations so that the meeting can be scheduled. The operator is responsible for having all contractors present (dirt contractors, drilling contractor, pipeline contractor, project oversight personnel, etc.) including the overall field operations superintendent, and for providing all contractors copies of the approved POD, project map and BLM Conditions of Approval pertinent to the work that each will be doing.
2. The operator will limit vegetation removal and the degree of surface disturbance wherever possible. Where surface disturbance cannot be avoided, all practicable measures will be utilized to minimize erosion and stabilize disturbed soils.
3. Construction and drilling activity will not be conducted using frozen or saturated soil material during periods when watershed damage or excessive rutting is likely to occur.
4. Remove all available topsoil (depths vary from 4 inches on ridges to 12+ inches in bottoms) from constructed well locations including areas of cut and fill, and stockpile at the site. Topsoil will also be salvaged for use in reclamation on all other areas of surface disturbance (roads, pipelines, etc.). Clearly segregate topsoil from excess spoil material. Any topsoil stockpiled for one year or longer will be signed and stabilized with annual ryegrass or other suitable cover crop.
5. The operator will not push soil material and overburden over side slopes or into drainages. All soil material disturbed will be placed in an area where it can be retrieved without creating additional undue surface disturbance and where it does not impede watershed and drainage flows.
6. Construct the backslope no steeper than 1½:1, and construct the foreslope no steeper than 2:1, unless otherwise directed by the BLM Authorized Officer.
7. Maintain a minimum 20-foot undisturbed vegetative border between toe-of-fill of pad and/or pit areas and the edge of adjacent drainages, unless otherwise directed by the BLM Authorized Officer.
8. With the overall objective of minimizing surface disturbance and retaining land stability and productivity, the operator shall utilize equipment that is appropriate to the scope and scale of work being done for roads and well pads (utilize equipment no larger than needed for the job).
9. To minimize electrocution potential to raptors, all overhead electrical power lines will be constructed to Avian Power Line Interaction Committee (1996) standards and additional

standards identified in the PRB FEIS Biological Opinion (Volume 3, Appendix K, page 43).

10. The operator shall utilize wheel trenchers or ditchers to construct all pipeline trenches, except where extreme topography or other environmental factors preclude their use.
11. Reserve pits will be adequately fenced during and after drilling operations until pit is reclaimed so as to effectively keep out wildlife and livestock. Adequate fencing, in lieu of more stringent requirements by the surface owner, is defined as follows:
 - Construction materials will consist of steel or wood posts. Three or four strand wire (smooth or barbed) fence or hog panel (16-foot length by 50-inch height) or plastic snow fence must be used with connectors such as fence staples, quick-connect clips, hog rings, hose clamps, twisted wire, etc. Electric fences will not be allowed.
 - Construction standards: Posts shall be firmly set in ground. If wire is used, it must be taut and evenly spaced, from ground level to top wire, to effectively keep out animals. Hog panels must be tied securely into posts and one another using fence staples, clamps, etc. Plastic snow fencing must be taut and sturdy. Fence must be at least 2-feet from edge of pit. 3 sides fenced before beginning drilling, the fourth side fenced immediately upon completion of drilling and prior to rig release. Fence must be left up and maintained in adequate condition until pit is closed.
12. The reserve pit will be oriented to prevent collection of surface runoff. After the drilling rig is removed, the operator may need to construct a trench on the uphill side of the reserve pit to divert surface drainage around it. If constructed, the trench will be left intact until the pit is closed.
13. The reserve pit will be lined with an impermeable liner if permeable subsurface material is encountered. An impermeable liner is any liner having a permeability less than 10^{-7} cm/sec. The liner will be installed so that it will not leak and will be chemically compatible with all substances that may be put in the pit. Liners made of any man-made synthetic material will be of sufficient strength and thickness to withstand normal installation and pit use. In gravelly or rocky soils, a suitable bedding material such as sand will be used prior to installing the liner.
14. The reserve pit will be constructed so that at least half of its total volume is in solid cut material (below natural ground level).
15. Culverts will be placed on channel bottoms on firm, uniform beds, which have been shaped to accept them, and aligned parallel to the channel to minimize erosion. Backfill will be thoroughly compacted.
16. The minimum diameter for culverts will be 18 inches. However, all culverts will be appropriately sized in accordance with standards in BLM Manual 9113.
17. Construction and other project-related traffic will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
18. Maximum design speed on all operator-constructed and maintained roads will not exceed 25 miles per hour.
19. Pipeline construction shall not block nor change the natural course of any drainage. Pipelines shall cross perpendicular to drainages. Pipelines shall not be run parallel in drainage bottoms. Suspended pipelines shall provide adequate clearance for maximum runoff.
20. Pipeline trenches shall be compacted during backfilling. Pipeline trenches shall be routinely inspected and maintained to ensure proper settling, stabilization and reclamation.

21. During construction, emissions of particulate matter from well pad and road construction would be minimized by application of water or other non-saline dust suppressants with at least 50 percent control efficiency. Dust inhibitors (surfacing materials, non-saline dust suppressants, and water) will be used as necessary on unpaved roads that present a fugitive dust problem. The use of chemical dust suppressants on public surface will require prior approval from the BLM Authorized Officer.
22. Operators are required to obtain a National Pollution Discharge Elimination System (NPDES) Storm Water Permit from the Wyoming DEQ for any projects that disturb five or more acres (changing to one acre in March 2005). This general construction storm water permit must be obtained from WDEQ prior to any surface disturbing activities and can be obtained by following directions on the WDEQ website at <http://deq.state.wy.us>. Further information can be obtained by contacting Barb Sahl at (307) 777-7570.
23. The operator shall submit a Sundry Notice (Form 3160-5) to BLM for approval prior to construction of any new surface disturbing activities that are not specifically addressed in the approved APD or POD Surface Use Plan.
24. Weed educational material will be reviewed with operators during pre-construction on-site meetings with operators, subcontractors, and landowners and will also be attached to approved APDs and PODs.
25. Companies will contact the counties to pursue development of maintenance agreements to ensure county roads are adequately maintained for the projected increase in use.

C. Operations/Maintenance

1. The operator shall complete coal bed natural gas wells (case, cement and under ream) as soon as possible, but no later than 30 days after drilling operations, unless an extension is given by the BLM Authorized Officer.
2. If in the process of air drilling the wells there is a need to utilize mud, all circulating fluids will be contained either in an approved pit or in an aboveground containment tank. The pit or containment tank will be large enough to safely contain the capacity of all expected fluids without danger of overflow. Fluid and cuttings will not be squeezed out of the pit, and the pit will be reclaimed in an expedient manner.
3. Confine all equipment and vehicles to the access road(s), pad(s), and area(s) specified in the approved APD or POD.
4. All waste, other than human waste and drilling fluids, will be contained in a portable trash cage. This waste will be transported to a State approved waste disposal site immediately upon completion of drilling operations. No trash or empty barrels will be placed in the reserve pit or buried on location. All state and local laws and regulations pertaining to disposal of human and solid waste will be complied with.
5. Rat and mouse holes shall be filled and compacted from the bottom to the top immediately upon release of the drilling rig from the location.
6. The operator will be responsible for prevention and control of noxious weeds and weeds of concern on all areas of surface disturbance associated with this project (well locations, roads, water management facilities, etc.) Use of pesticides shall comply with the applicable Federal and State laws. Pesticides shall be used only in accordance with their registered uses and within limitations imposed by the Secretary of Interior. Prior to the use of pesticides on public land, the holder shall obtain from the BLM authorized officer written approval of a plan showing the type and quantity of material to be used, pest(s) to be controlled, method of application, location of storage and disposal of containers, and any other information deemed

necessary by the authorized officer to such use.

7. Sewage shall be placed in a self-contained, chemically treated porta-potty on location.
8. The operator and their contractors shall ensure that all use, production, storage, transport and disposal of hazardous and extremely hazardous materials associated with the drilling, completion and production of these wells will be in accordance with all applicable existing or hereafter promulgated federal, state and local government rules, regulations and guidelines. All project-related activities involving hazardous materials will be conducted in a manner to minimize potential environmental impacts. In accordance with OSHA requirements, a file will be maintained onsite containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds and/or substances which are used in the course of construction, drilling, completion and production operations.
9. Produced fluids shall be put in test tanks on location during completion work. Produced water will be put in the reserve pit during completion work per Onshore Order #7.
10. The only fluids/waste materials which are authorized to go into the reserve pit are RCRA exempt exploration and production wastes. These include:

- drilling muds & cuttings
- rigwash
- excess cement and certain completion & stimulation fluids defined by EPA as exempt

It does not include drilling rig waste, such as:

- spent hydraulic fluids
- used engine oil
- used oil filter
- empty cement, drilling mud, or other product sacks
- empty paint, pipe dope, chemical or other product containers
- excess chemicals or chemical rinsate

Any evidence of non-exempt wastes being put into the reserve pit may result in the BLM Authorized Officer requiring specific testing and closure requirements.

11. Reserve pits will be closed as soon as possible, but no later than 90 days from time of drilling/well completion, unless the BLM Authorized Officer gives an extension. Squeezing of pit fluids and cuttings is prohibited. Pits must be dry of fluids or they must be removed via vac-truck or other environmentally acceptable method prior to backfilling, re-contouring and replacement of topsoil. Mud and cuttings left in pit must be buried at least 3-feet below re-contoured grade. The operator will be responsible for re-contouring any subsidence areas that develop from closing a pit before it is sufficiently dry.
12. Operators are advised that prior to installation of any oil and gas well production equipment which has the potential to emit air contaminants, the owner or operator of the equipment must notify the Wyoming Department of Environmental Quality, Air Quality Division (phone 307-777-7391) to determine permit requirements. Examples of pertinent well production equipment include fuel-fired equipment (e.g., diesel generators), separators, storage tanks, engines and dehydrators.
13. If this well is drilled during the fire season (June-October), the operator shall institute all necessary precautions to ensure that fire hazard is minimized, including but not limited to mowing vegetation on the access route(s) and well location(s), keeping fire fighting equipment readily available when drilling, etc.

D. Dry Hole/Reclamation

1. All disturbed lands associated with this project, including the pipelines, access roads, water management facilities, etc will be expediently reclaimed and reseeded in accordance with the surface use plan and any pertinent site-specific COAs.
2. Disturbed lands will be re-contoured back to conform with existing undisturbed topography. No depressions will be left that trap water or form ponds.
3. The fluids and mud must be dry in the reserve pit before re-contouring pit area. The operator will be responsible for re-contouring of any subsidence areas that develop from closing a pit before it is completely dry. The plastic pit liner (if any) will be cut off below grade and properly disposed of at a state authorized landfill before beginning to re-contour the site.
4. Before the location has been reshaped and prior to redistributing the topsoil, the operator will rip or scarify the drilling platform and access road on the contour, to a depth of at least 12 inches. The rippers are to be no farther than 24 inches apart.
5. Distribute the topsoil evenly over the entire location and other disturbed areas. Prepare the seedbed by disking to a depth of 4-to-6 inches following the contour.
6. Phased reclamation plans will be submitted to BLM for approval prior to individual POD facility abandonment via a Notice of Intent (NOI) Sundry Notice. Individual facilities, such as well locations, pipelines, discharge points, impoundments, etc. need to be addressed in these plans as they are no longer needed. Individual items that will need to be addressed in reclamation plans include:
 - Pit closure (Close ASAP after suitably dry, but no later than 90 days from time of drilling unless an extension is given by BLM Authorized Officer.) BLM may require closure prior to 90 days in some cases due to land use or environmental concerns.
 - Configuration of reshaped topography, drainage systems, and other surface manipulations
 - Waste disposal
 - Revegetation methods, including specific seed mix (pounds pure live seed/acre) and soil treatments (seedbed preparation, fertilization, mulching, etc.). On private surface, the landowner should be consulted for the specific seed mix.
 - Other practices that will be used to reclaim and stabilize all disturbed areas, such as water bars, erosion fabric, hydro-mulching, etc.
 - An estimate of the timetables for beginning and completing various reclamation operations relative to weather and local land uses.
 - Methods and measures that will be used to control noxious weeds, addressing both ingress and egress to the individual well or POD.
 - Decommissioning/removal of all surface facilities
 - Closure and reclamation of areas utilized or impacted by produced CBM water, including discharge points, reservoirs, off-channel pits, land application areas, livestock/wildlife watering facilities, surface discharge stream channels, etc
7. BLM will not release the performance bond until all disturbed areas associated with the APD/POD have been successfully revegetated (evaluation will be made after the second complete growing season) and has met all other reclamation goals of the surface owner and surface management agency.
8. A Notice of Intent to Abandon and a Subsequent Report of Abandonment must be submitted for abandonment approval.

9. For performance bond release approval, a Final Abandonment Notice (with a surface owner release letter on split-estate) must be submitted prior to a final abandonment evaluation by BLM.
10. Soil fertility testing and the addition of soil amendments may be required to stabilize some disturbed lands.
11. Any mulch utilized for reclamation needs to be certified weed free.
12. Waterbars are to be constructed at least one (1) foot deep, on the contour with approximately two (2) feet of drop per 100 feet of waterbar to ensure drainage, and extended into established vegetation. All waterbars are to be constructed with the berm on the downhill side to prevent the soft material from silting in the trench. The initial waterbar should be constructed at the top of the backslope. Subsequent waterbars should follow the following general spacing guidelines:

Slope (percent)	Spacing Interval (feet)
$\leq 2 - 4$	310
5 - 8	260
9 - 12	200

E. Producing Well

1. Landscape those areas not required for production to the surrounding topography as soon as possible. The fluids and mud must be dry in the reserve pit before re-contouring pit area. The operator will be responsible for re-contouring and reseeding of any subsidence areas that develop from closing a pit before it is completely dry.
2. Reduce the backslope to 2:1 and the foreslope to 3:1, unless otherwise directed by the BLM Authorized Officer. Reduce slopes by pulling fill material up from foreslope into the toe of cut slopes.
3. Production facilities (including dikes) must be placed on the cut portion of the location and a minimum of 15 feet from the toe of the back cut unless otherwise approved by the BLM Authorized Officer.
4. Any spilled or leaked oil, produced water or treatment chemicals must be reported in accordance with NTL-3A and immediately cleaned up in accordance with BLM requirements. This includes clean-up and proper disposition of soils contaminated as a result of such spills/leaks.
5. Distribute stockpiled topsoil evenly over those areas not required for production and reseed as recommended.
6. Upgrade and maintain access roads and drainage control (e.g., culverts, drainage dips, ditching, crowning, surfacing, etc.) as necessary and as directed by the BLM Authorized Officer to prevent soil erosion and accommodate safe, environmentally-sound access.
7. Prior to construction of production facilities not specifically addressed in the APD/POD, the operator shall submit a Sundry Notice to the BLM Authorized Officer for approval.
8. If not already required prior to constructing and drilling the well location, the operator shall immediately upgrade the entire access road to BLM standards (including topsoiling, crowning, ditching, drainage culverts, surfacing, etc.) to ensure safe, environmentally-sound, year-round access. This requirement does not supercede or apply where specific road

requirements are addressed in the APD/POD surface use plan (e.g., two track road, spot upgrade, etc.)

9. Waterbars shall be installed on all reclaimed pipeline corridors per the guidelines in D #12.