

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

**SURFACE USE
CONDITIONS OF APPROVAL**

POD Name: West Pine Tree Unit – Brook Trout POD

Operator: Devon Energy Production Company, L.P.

List of Wells:

Well Name	Well #	QTR	Sec	TWP	RNG	Lease
BROOK TROUT WPTU	3S-1	NENE	3	42N	76W	WYW147313
BROOK TROUT WPTU	3S-3	NENW	3	42N	76W	WYW147313
BROOK TROUT WPTU	3S-5	SWNW	3	42N	76W	WYW147313
BROOK TROUT WPTU	4S-1	NENE	4	42N	76W	WYW147313
BROOK TROUT WPTU	4S-13	SWSW	4	42N	76W	WYW147313
BROOK TROUT WPTU	4S-3	NENW	4	42N	76W	WYW147313
BROOK TROUT WPTU	4S-5	SWNW	4	42N	76W	WYW147313
BROOK TROUT WPTU	4S-7	SWNE	4	42N	76W	WYW147313
BROOK TROUT RANCH	5S-1	NENE	5	42N	76W	WYW158419
BROOK TROUT RANCH	5S-9	NESE	5	42N	76W	WYW158419
BROOK TROUT WPTU	10S-1	NENE	10	42N	76W	WYW147313
BROOK TROUT WPTU	10S-3	NENW	10	42N	76W	WYW147313
BROOK TROUT WPTU	10S-7	SWNE	10	42N	76W	WYW147313
BROOK TROUT WPTU	10S-9	NESE	10	42N	76W	WYW147313
BROOK TROUT WPTU	10S-11	NESW	10	42N	76W	WYW147313
BROOK TROUT WPTU	10S-13	SWSW	10	42N	76W	WYW147313
BROOK TROUT WPTU	10S-15	SWSE	10	42N	76W	WYW147313
BROOK TROUT WPTU	11S-13	SWSW	11	42N	76W	WYW147313
BROOK TROUT WPTU	15S-15	SWSE	15	42N	76W	WYW147314
BROOK TROUT WPTU	15S-7	SWNE	15	42N	76W	WYW147314
BROOK TROUT WPTU	15S-9	NESE	15	42N	76W	WYW147314
BROOK TROUT WPTU	19S-1	NENE	19	42N	76W	WYW132928
BROOK TROUT WPTU	19S-3	NENW	19	42N	76W	WYW147314
BROOK TROUT WPTU	19S-5	SWNW	19	42N	76W	WYW147314
BROOK TROUT WPTU	19S-11	NESW	19	42N	76W	WYW147314
BROOK TROUT WPTU	19S-13	SWSW	19	42N	76W	WYW147314
BROOK TROUT WPTU	19S-15	SWSE	19	42N	76W	WYW147314
BROOK TROUT WPTU	22S-11	NESW	22	42N	76W	WYW147315

Well Name	Well #	QTR	Sec	TWP	RNG	Lease
BROOK TROUT WPTU	22S-13	SWSW	22	42N	76W	WYW147315
BROOK TROUT WPTU	22S-15	SWSE	22	42N	76W	WYW147315
BROOK TROUT WPTU	22S-3	NENW	22	42N	76W	WYW147315
BROOK TROUT WPTU	22S-5	SWNW	22	42N	76W	WYW147315
BROOK TROUT WPTU	22S-7	SWNE	22	42N	76W	WYW147315
BROOK TROUT WPTU	22S-9	NESE	22	42N	76W	WYW147315
BROOK TROUT WPTU	23S-4	NWNW	23	42N	76W	WYW147315
BROOK TROUT WPTU	27S-1	NENE	27	42N	76W	WYW147316
BROOK TROUT WPTU	27S-11	NESW	27	42N	76W	WYW147316
BROOK TROUT WPTU	27S-13	SWSW	27	42N	76W	WYW147316
BROOK TROUT WPTU	27S-15	SWSE	27	42N	76W	WYW147316
BROOK TROUT WPTU	27S-3	NENW	27	42N	76W	WYW147316
BROOK TROUT WPTU	27S-9	NESE	27	42N	76W	WYW147316
BROOK TROUT WPTU	28S-1	NENE	28	42N	76W	WYW147316
BROOK TROUT WPTU	28S-10	NWSE	28	42N	76W	WYW147316
BROOK TROUT WPTU	28S-11	NESW	28	42N	76W	WYW147316
BROOK TROUT WPTU	28S-13	SWSW	28	42N	76W	WYW147316
BROOK TROUT WPTU	28S-15	SWSE	28	42N	76W	WYW147316
BROOK TROUT WPTU	28S-3	NENW	28	42N	76W	WYW147316
BROOK TROUT WPTU	28S-5	SWNW	28	42N	76W	WYW147316
BROOK TROUT WPTU	28S-7	SWNE	28	42N	76W	WYW147316
BROOK TROUT WPTU	28S-9	NESE	28	42N	76W	WYW147316

The following impoundments were inspected and approved for use in association with the water management strategy for the POD in the Cheyenne River Watershed.

	IMPOUNDMENT Name / Number	Qtr/Qtr	Section	TWP	RNG	Capacity (Acre Feet)	Surface Disturbance (Acres)	Lease #
1	31-28-4176	NWNE	28	41	76	16	6	WYW314304
2	33-28-4176	NWSE	28	41	76	5.8	2	WYW160418
3	IBERLIN 32-27-4176	SWNE	27	41	76	16.9	6.5	WYW314310

The following impoundments were inspected and approved for use in association with the water management strategy for the POD in the Upper Powder River Watershed.

	IMPOUNDMENT Name / Number	Qtr/Qtr	Section	TWP	RNG	Capacity (Acre Feet)	Surface Disturbance (Acres)	Lease #
1	WINTERMUTE	SWSW	24	42	76	3	1	WYW147315
2	13-25-4276	NWSW	25	42	76	11	4	WYW147316
3	33-30-4275	NWSE	30	42	75	14.2	5	WYW311966
4	11-31-4275	NWNW	31	42	75	16.5	6	WYW311966
5	21-1-4176	NENW	1	41	76	6.9	3	WYW147310

6	31-2-4176	NWNE	2	41	76	6.2	2	FEE
7	IBERLIN 23-9-4176	NESW	9	41	76	14.8	4.5	WYW150758
8	IBERLIN 33-14-4176	NWSE	14	41	76	8.6	2.6	FEE
9	11-22-4176	NWNW	22	41	76	21.6	8	FEE
10	ARTESIAN UPPER RES	SWNW	11	41	76	47.5	10	FEE
11	T42NR76W36SESW	SESW	36	42	76	1.4	1	STATE
12	44-31-4276	SESE	31	42	76	48.7	15	WYW147317

List of approved Right-of Ways:

Right-of-Way	Qtr/Qtr	Sec	TWP	RNG	Use/Type	Surface Disturbance (Acres)
WYW-170174 (amendment)	SWNW	24	41N	76W	3" water pipeline and stock tank	0.165

I. Programmatic mitigation measures identified in the PRB FEIS ROD

Programmatic mitigation measures are those, determined through analysis, which may be appropriate to apply at the time of APD approval if site specific conditions warrant. These mitigation measures can be applied by BLM, as determined necessary at the site-specific NEPA APD stage, as COAs and will be in addition to stipulations applied at the time of lease issuance and any standard COA.

Groundwater

- In order to address the potential impacts from infiltration on shallow ground water, the Wyoming DEQ has developed a guidance document, "Compliance Monitoring and Siting Requirements for Unlined Coalbed Methane Produced Water Impoundments" which was approved September, 2006. For WYPDES permits received by DEQ after the effective date, the BLM requires that operators comply with the current approved DEQ compliance monitoring guidance document prior to discharge of federally-produced water into newly constructed or upgraded impoundments.

Surface Water

- Channel Crossings:
 - Minimize channel disturbance as much as possible by limiting pipeline and road crossings.
 - Avoid running pipelines and access roads within floodplains or parallel to a stream channel.
 - 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.
 - Channel crossings by pipelines will be constructed so that the pipe is buried at least four feet below the channel bottom.
- 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.
- 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 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.
5. Identified springs will be sampled for flow rate and water quality prior to development of this POD and annually during and following operation of the field.

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.

Wetland/Riparian

1. 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.
2. No waste material will be deposited below high water lines in riparian areas, flood plains, or in natural drainage ways.
3. The lower edge of soil or other material stockpiles will be located outside the active floodplain.
4. Disturbed channels will be re-shaped to their approximate original configuration or stable geomorphologic configuration and properly stabilized.
5. 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 locate aboveground power lines, where practical, at least 0.5 mile from any sage-grouse breeding or nesting grounds to prevent raptor predation and sage-grouse collision with the conductors. Power poles within 0.5 mile of any sage-grouse breeding ground will be raptor-proofed to prevent raptors from perching on the poles.
4. 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*.

Threatened, Endangered, or Sensitive Species

Bald Eagle

1. Special habitats for raptors, including wintering bald eagles, will be identified and considered during

2. Additional mitigation measures may be necessary if the site-specific project is determined by a BLM biologist to have adverse effects to bald eagles or their habitat.

Black-footed Ferret

1. Additional mitigation measure may be necessary if the site-specific project is determined by a BLM biologist to have adverse effects to black-footed ferrets or their habitat. In the event that a mountain plover is located during construction or operation, the USFWS' Wyoming Field Office (307-772-2374) and the USFWS' Law Enforcement Office (307-261-6365) will be notified within 24 hours.

Mountain Plover

1. Work schedules and shift changes will be set to avoid the periods from 30 minutes before to 30 minutes after sunrise and sunset during June and July, when mountain plovers and other wildlife are most active.
2. Creation of hunting perches or nest sites for avian predators within 0.5 mile of identified nesting areas will be avoided by burying power lines, using the lowest possible structures for fences and other structures and by incorporating perch-inhibiting devices into their design.
3. Reclamation of areas of previously suitable mountain plover habitat will include the seeding of vegetation to produce suitable habitat for mountain plover.

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. Companies operating in areas identified with weed infestations or suitable Ute ladies'- tresses orchid habitat will be required to submit an integrated pest management plan prior to APD approval. Mitigation will be determined on a site-specific basis and may include such measures as spraying herbicides prior to entering areas and washing vehicles before leaving infested areas. Infestation areas of noxious weeds have been identified through the county Weed and Pest Districts and are available at the Buffalo BLM office.

Visual Resources

1. The Companies will mount lights at compressor stations and other facilities 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. 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

General

1. All changes made at the pre-approval onsite will be followed. They have all been incorporated into the operator's plan of development (POD). Please refer to Table 2.3.1 "Changes as a result of the onsite" on pages 9-14 of EA#WY-070-EA08-129, and/or the Post-Onsite Deficiency Letter dated 05/16/2008.
2. All Devon Energy field representatives and contractors will have a copy of the approved POD map and conditions of approval (COAs) at all times while conducting activities within the Brook Trout POD project area.
3. Please contact Julian Serafin – Natural Resource Specialist, @ (307) 684-1043, Bureau of Land Management, Buffalo, if there are any questions concerning surface use COAs.

Surface Use

1. 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 Brook Trout POD is Covert Green, 18-0617 TPX.
2. Interim Reclamation of disturbed areas will adhere to the following guidance (as per the Wyoming Policy on Reclamation (IM WY-90-231):
 - A. The reclaimed area shall be stable and exhibit none of the following characteristics:
 - i. Large rills or gullies.
 - ii. Perceptible soil movement or head cutting in drainages.
 - iii. Slope instability on, or adjacent to, the reclaimed area in question.
 - B. The soil surface must be stable and have adequate surface roughness to reduce runoff and capture rainfall and snow melt. Additional short-term measures, such as the application of mulch, shall be used to reduce surface soil movement.
 - C. Vegetation canopy cover (on unforested sites), production and species diversity (including shrubs) shall approximate the surrounding undisturbed area. The vegetation shall stabilize the site and support the planned post disturbance land use, provide for natural plant community succession and development, and be capable of renewing itself.

This shall be demonstrated by:

 - i. Successful onsite establishment of species included in the planting mixture or other desirable species.
 - ii. Evidence of vegetation reproduction, either spreading by rhizomatous species or seed production.
 - D. The reclaimed landscape shall have characteristics that approximate the visual quality of the adjacent area with regard to location, scale, shape, color and orientation of major landscape features and meet the needs of the planned post disturbance land use.
3. All topsoil removed during construction activities will be respread for interim reclamation success.

4. 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:

Shallow Loamy Ecological Site Seed Mix		
Species	% in Mix	Lbs PLS*
Thickspike Wheatgrass (<i>Elymus lanceolatus</i> ssp. <i>lanceolatus</i>)	50	6.0
Bluebunch wheatgrass (<i>Pseudoroegneria spicata</i> ssp. <i>Spicata</i>)	35	4.2
Prairie coneflower (<i>Ratibida columnifera</i>)	5	0.6
White or purple prairie clover (<i>Dalea candidum</i> , <i>purpureum</i>)	5	0.6
Rocky Mountain beeplant (<i>Cleome serrulata</i>)	5	0.6
Totals	100%	12 lbs/acre

Ecological Site	Wells and infrastructure
Sandy	27S-9, 19S-5, 5S-9, 3S-3, 3S-5, 3S-1, 10S-3, 10S-1, 10S-11, 11S-13, 22S-7, 15S-15, 22S-11, 23S-4, and 15S-9

Sandy Ecological Site Seed Mix		
Species	% in Mix	Lbs PLS*
Thickspike Wheatgrass (<i>Elymus lanceolatus</i> ssp. <i>lanceolatus</i>)	20	2.4
Prairie sandreed (<i>Calamovilfa longifolia</i>)	30	3.6
Indian ricegrass (<i>Achnatherum hymenoides</i>)	20	2.4
Needleandthread (<i>Hesperostipa comata</i> ssp. <i>comata</i>)	15	1.8
Prairie coneflower (<i>Ratibida columnifera</i>)	5	0.6
White or purple prairie clover (<i>Dalea candidum</i> , <i>purpureum</i>)	5	0.6
Scarlet Globemallow (<i>Sphaeralcea coccinea</i>) / or Blue flax (<i>Linum lewisii</i>)	5	0.6
Totals	100%	12 lbs/acre

*Pure Live Seed

*Northern Plains adapted species

*Slopes too steep for machinery may be hand broadcast and raked with twice the specified amount of seed. Complete fall seeding after September 15 and prior to prolonged ground frost. To be effective, complete spring seeding after the frost has left the ground and prior to May 15.

5. The disturbance areas identified below have limited reclamation potential that shall be stabilized in a manner which eliminates accelerated erosion until a self-perpetuating 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. Stabilization efforts include mulching, matting, soil amendments, etc.
 - Wells: 28S-5, 28S-11, 28S-13, 3S-5, 19S-5, 5S-9, 3S-3, 10S-3, 10S-1, 11S-13, 22S-7, 15S-15, 22S-11, 22S-1, and 15S-9.
6. Due to soils fragility, poor reclamation potential, and road grades equal to or greater than 8%, the access road/utility corridor to the following well locations will not exceed a disturbance width of 15ft.
 - Wells: 28S-5, 5S-9, 3S-5, 3S-3, 3S-1, 10S-3, 10S-1, 11S-13, 22S-3, 22S-5, 15S-15, 27S-1, and 23S-4.

***Note:** A minimum of 2 inches of aggregate will be added across the width of the primitive road (approx. 10ft) to prevent soil erosion and accommodate safe, environmentally-sound access.
7. Final grading and surfacing shall occur immediately after utility installation is complete. All rills, gullies, and other surface defects shall be ripped to the full depth of erosion across the entire width of the roadway prior to final grading and surfacing.
8. The operator will maintain all existing improved roads in the Brook Trout POD in accordance with guidelines contained in the BLM/FS Gold Book, 4th Edition “Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development,” and/or the Road Standards in the BLM Manual 9113.
9. Pipeline corridor disturbance shall not exceed the approved disturbance width for road construction.
10. Utility corridors will be expediently reclaimed following construction and maintained in a professional and workmanship manner avoiding tire rutting, settling and erosion.
11. CBM-related traffic will be restricted to the authorized/permitted access roads only. Signs will be posted to restrict vehicle use along the existing reclaimed corridors.
12. CBM-related traffic across Fletcher Canyon, Cedar Draw, and the Taylor Cow Camp will not be authorized. “Rancher’s access/use only” signs will be posted at each end of the primitive access roads.
13. The operator will maintain well drilling, completion and associated construction operations within a 100 x 75 foot work area at the following well locations: 5S-9 and 22S-5.
14. Reserve pits will be lined at the following locations: 27S-9, 19S-5, 5S-9, 3S-3, 3S-5, 10S-3, 10S-1, 10S-11, 11S-13, 22S-7, 15S-15, 22S-11, 23S-4, and 15S-9.
15. All stock water tanks installed on BLM surface will be installed with a rock apron of 4 inch aggregate surrounding the tank and extending a minimum of 8 feet out from the tank.

Water Management

1. Discharges from the following outfalls will be coordinated with the BLM Hydrologist at the Buffalo Field Office prior to implementation:
 002 FP 003 FP 006 AD 005 AD 004 AD
2. Requests for “Pulsed Releases under WYPDES Assimilative Capacity Rules” from dams in the

Powder River watershed, including all Kokanee POD reservoirs, will be submitted to the BLM's Buffalo Field Office for review and approval well in advance of implementation. This is because the drainages downstream of these dams were not evaluated for their ability to handle discharged CBNG produced water in any fashion. In some cases, no additional field work will be necessary. In other cases, field evaluations with BLM Hydrologists and other specialists may be required prior to approval or denial of discharge request.

3. Identified springs will be sampled for flow rate and water quality prior to development of this POD and annually during and following operation of the field.

Wildlife

Bald Eagles

The following conditions will alleviate impacts to bald eagles:

1. No project related actions shall occur within one mile of bald eagle habitat along the Dry Fork Powder River, Seventeenmile Creek, Cedar Canyon, and Davis Draw 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 timing limitation will be in effect unless surveys determine the nest/roost to be inactive. This affects the following wells and infrastructure:

Legal	Wells and Infrastructure
S3 T42N R76W	Wells 3S-5, 3S-3, and 3S-1. Roads in NW ¼ and NE ¼. Corridors in NW ¼, and NE ¼. Waterline in eastern ½ of section. Pumping station in SE ¼. Powerline in SW ¼ of SE ¼.
S4 T42N R76W	Wells 4S-1, 4S-3, 4S-5, 4S-7, and 4S-13. Powerline in SW ¼, NW ¼, and NE ¼. Power drops in NW ¼. Corridors in NW ¼, NE ¼, and SW ¼. Roads in north ½ of NW ¼, southern ½ of SW ¼.
S5 T42N R76W	Wells 5S-1 and 5S-9. Road in NE ¼ of NE ¼. Corridors in NE ¼ of NE ¼ and SE ¼.
S10 T42N R76W	Wells 10S-9, 10S-15, 10S-13, 10S-11, 10S-7, 10S-1, and 10S-3. Corridors in the eastern ½. Waterline in the eastern ½. Roads in SE ¼, NE ¼, and NE ¼ NW ¼. Overhead power in the NE ¼.
S14 T42N R76W	Road and corridor in NW ¼ of SW ¼.
S15 T42N R76W	Wells 15S-9, 15S-15, 15S-7. Roads in SE ¼ NW ¼ and SE ¼ NE ¼, SE ¼ of SW ¼, SE ¼ of SE ¼, and NE ¼ of SE ¼. Waterline in southern ½ of NW ¼ and western ½ of SW ¼. corridors in northern ½ of section and southern ½ of SW ¼.
S16 T42N R76W	Powerline and power drop in NE ¼ of SE ¼.
S19 T42N R76W	Wells 19S-13, 19S-15, 19S-3, 19S-11, and 19S-5. Roads in NW ¼, NW ¼ of NE ¼, southern half of SW ¼, and SW ¼ of SE ¼. Corridors in NE ¼, NW ¼, NE ¼ of SW ¼, southern half of SW ¼, and SW ¼ of SW ¼.
S22 T42N R76W	Wells 22S-3 and 22S-5. Road and corridor in NE ¼ of NW ¼ and SW ¼ of NW ¼. Waterline in NW ¼ of NW ¼ and SW ¼ of NW ¼.
S27 T42N R76W	Wells 27S-13, 27S-15. Roads and corridors in SW ¼ of SE ¼ and SW ¼ of SW ¼.
S28 T42N R76W	Wells 28S-13 and 28S-15. Roads in NW ¼ of SW ¼, SW ¼ of SW ¼ and SW ¼ of SE ¼.

2. If a roost is identified and construction has not been completed, a year-round disturbance-free buffer zone of 0.5 mile will be established for all bald eagle winter roost sites and a one-mile minimum disturbance zone from November 1 - April 1. Additional measures such as remote monitoring and

restricting maintenance visitation to between 9:00 AM and 3:00 PM may be necessary to prevent disturbance.

3. 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).
4. Additional mitigation measures may be necessary if the site-specific project is determined by a Bureau biologist to have an adverse affect to bald eagles or their habitat.

Burrowing Owls

The following conditions will alleviate impacts to burrowing owls:

1. No surface disturbing activity shall occur within 0.25 miles of all identified prairie dog colonies from April 15 to August 31, annually, prior to a burrowing owl nest occupancy survey for the current breeding season. A 0.25 mile buffer will be applied if a burrowing owl nest is identified. This condition will be implemented on an annual basis for the duration of surface disturbing activities within the prairie dog town(s). This timing limitation will be in effect unless surveys determine the nest(s) to be inactive. This timing limitation will affect the following:

Legal	Wells and Infrastructure
S4 T42N R76W	Road in NW ¼ of NW ¼. Corridor in NW ¼ of NW ¼.
S5 T42N R76W	Well 5S-1. Road and corridor in NENE ¼.
S19 T42N R76W	Wells 19S-5, 19S-11, and 19S-15. Roads and corridors in NW ¼, SW ¼ and SE ¼.
S33 T42 R76W	Waterline in SW ¼ of NW ¼.
S34 T42N R76W	Outfall in NE ¼ of NW ¼.
S6 T41N R76W	Reservoir in northern ½ of NE ¼. Waterline in NE ¼ of NW ¼.
S31 T42N R76W	Reservoir in SW ¼ of SE ¼. Waterlines in NE ¼, NW ¼ of SE ¼ and eastern ½ of SW ¼.
S32 T42N R76W	Waterline in western ½ of SW ¼.
S4 T41N R76W	Waterline in NW ¼ of SW ¼.
S5 T41N R76W	Waterline in SE ¼ of NW ¼.

Mountain Plovers

The following conditions will alleviate impacts to mountain plovers:

1. A mountain plover nesting survey is required in suitable habitat prior to commencement of surface disturbing activities in prairie dog colonies. No surface disturbing activities are permitted in these areas from March 15-July 31, unless a mountain plover nesting survey has been conducted during the current breeding season. This timing limitation will be in effect unless surveys determine no plovers are present. This timing limitation will affect the following:

Legal	Wells and Infrastructure
S4 T42N R76W	Road in NW ¼ of NW ¼. Corridor in NW ¼ of NW ¼.
S5 T42N R76W	Well 5S-1. Road and corridor in NE ¼ of NE ¼.
S19 T42N R76W	Wells 19S-5, 19S-11, and 19S-15. Roads and corridors in NW ¼, SW ¼ and SE ¼.
S33 T42 R76W	Waterline in SW ¼ of NW ¼.

Legal	Wells and Infrastructure
S34 T42N R76W	Outfall in NE ¼ of NW ¼.
S6 T41N R76W	Reservoir in northern ½ of NE ¼. Waterline in NE ¼ of NW ¼.
S31 T42N R76W	Reservoir in SW ¼ of SE ¼. Waterlines in NE ¼, NW ¼ of SE ¼ and eastern ½ of SW ¼.
S32 T42N R76W	Waterline in western ½ of SW ¼.
S4 T41N R76W	Waterline in NW ¼ of SW ¼.
S5 T41N R76W	Waterline in SE ¼ of NW ¼.

2. Mountain plover nesting surveys shall be conducted by a biologist following the most current USFWS Mountain Plover Survey Guidelines (the survey period is May 1-June 15). All survey results must be submitted in writing to the BFO and approved prior to initiation of surface disturbing activities.
 - a. If occupied mountain plover habitat is identified, then a seasonal disturbance-free buffer of ¼ mile shall be maintained between March 15 and July 31.
 - b. If no mountain plover observations are identified, then surface disturbing activities may be permitted within suitable habitat until the following breeding season (March 15).
3. No dogs will be permitted at work sites to reduce the potential for harassment of mountain plovers.

Raptors

The following conditions will alleviate impacts to raptors:

1. No surface disturbing activity shall occur within 0.5 miles 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 timing limitation will affect the following:

Legal	Infrastructure
S03 T42N R76W	Wells 3S-7, 3S-5, and 3S-3. Corridors in NW ¼ and NE ¼. Roads in NW ¼. Waterline in eastern ½ of section. Pumping station 2 in SW ¼ of SE ¼. Powerline in SW ¼ of SE ¼.
S04 T42N R76W	Wells 4S-3, 4S-13, 4S-1, 4S-7, and 4S-5. Powerline in western ½ and northern ½. Corridors in western ½ and northern ½. Roads NW ¼ and SW ¼.
S05 T42N R76W	Wells 5S-1 and 5S-9. Road in NE ¼ of NE ¼. Corridors in NE ¼ of NE ¼ and SE ¼.
S10 T42N R76W	Wells 10S-9, 10S-11, 10S-7, 10S-1, and 10S-3. Roads in northern ½ of section, eastern ½ of NE ¼, SW ¼, and NE ¼ of SW ¼.
S11 T42N R76W	Well 11S-13. Road and corridor in SW ¼ of SW ¼.
S14 T42N R72W	Powerline in SW ¼. Road and corridor in NW ¼ of SW ¼.
S15 T42N R76W	Wells 15S-9, 15S-15, and 15S-7. Roads and corridors in northern ½ of section and in southern ½ of SW ¼. Waterline in SW ¼ and SW ¼ of NW ¼.
S19 T42N R76W	Wells 19S-13, 19S-15, 19S-1, and 19S-11. Roads in SE ¼ of NW ¼, NE ¼ of SW ¼, SW ¼ of SW ¼, and SE ¼ of section. Corridors in NE ¼, SW ¼ of NW ¼, NE ¼ of SW ¼, SE ¼ of SW ¼, SW ¼ of SW ¼, and SE ¼.
S22 T42N R76W	Wells 22S-11, 22S-7, 22S-15, 22S-9, and 22S-3. Waterlines in eastern ½ of NW ¼ and SE ¼ of SW ¼. Roads in SW ¼ of NW ¼, NE ¼, NW ¼ of SE ¼, SE ¼ of SW ¼. Powerline in eastern ½ of SW ¼. Corridors in NW ¼, NW ¼ of SE ¼, and eastern ½ of SW ¼.
S23 T42N R76W	Well 22S-1. Roads and corridors in NW ¼ of NW ¼, and NW ¼ of SW ¼.

Legal	Infrastructure
S25 T42N R76W	Road in SW ¼. Outfall 006 in in SW ¼. Road in SW ¼ and SE ¼. Powerline in SW ¼ of SW ¼. Reservoir E13-25-4275 in SW ¼. Waterline in southern ½ of SW ¼.
S26 T42N R76W	Powerlines in SE ¼ of NW ¼, SW ¼, and NW ¼ of SW ¼. Waterline in southern ½ of NW ¼. Road in SW ¼ and NW ¼ of SW ¼.
S27 T42N R76W	Wells 27S-13, 27S-1, 27S-9, 27S-15, 27S-11, and 27S-3. Powerlines and associated powerdrops in NW ¼, NE ¼, and SE ¼. All roads and corridors in section.
S28 T42N R76W	Wells 28S-3, 28S-11, and 28S-5. Waterline in NW ¼, western ¼ of NE ¼, and NW ¼ of SW ¼. Roads in NW ¼, western ¼ of NE ¼, NW ¼ of SW ¼. Corridors in NW ¼, western ¼ of NE ¼, northern ½ of SW ¼. Powerline in southern ½ of NW ¼ and northern ½ of SW ¼.
S30 T42N R75W	Reservoir E33-30-4275 in SW ¼. Waterline and road in SW ¼ of SW ¼.
S31 T42N R75W	Outfall 007 in NW ¼. Reservoir E11-31-4275 in NW ¼. Roads in western ½. Waterline in NW ¼, SW ¼, and SE ¼.
S34 T42N R76W	Outfall 012 in NW ¼.

2. 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 0.5 mile timing buffer will be implemented. The timing buffer restricts surface disturbing activities within 0.5 mile of occupied raptor nests from February 1 to July 31.
3. Nest occupancy and productivity checks shall be completed for nests within a ½ mile of any surface disturbing activities (e.g., well drilling, pipeline installation, or road improvements) across the entire POD for as long as the POD is under construction. Once construction of the POD has ceased, nest occupancy and productivity checks shall continue for the first five years on all nests that are within a ½ mile of locations where any surface-disturbing activities took place. Productivity checks shall be completed only on those nests that were verified to be occupied during the initial occupancy check. 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. In 2009, this applies to the nest(s) listed and is subject to change each year after that, pending surveys.
4. 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.
5. Well metering, maintenance and other site visits within 0.5 miles of raptor nests should be minimized as much as possible during the breeding season (February 1 – July 31).

Sage-Grouse

The following conditions will alleviate impacts to sage-grouse:

1. No surface disturbing activities are permitted within 2 miles of sage-grouse lek(s) between March 1 and June 15, prior to completion of a sage-grouse lek survey. This condition will be implemented on an annual basis for the duration of surface disturbing activities. This timing limitation will affect the following:

Legal	Wells and Infrastructure
S03 T42N R76W	Wells 3S-1, 3S-7, 3S-5, and 3S-3. All waterlines, roads, corridors, and water management facilities.
S04 T42N R76W	Wells 4S-3, 4S-13, 4S-1, 4S-7, and 4S-5. All powerlines, power drops, corridors, and roads.
S05 T42N R76W	Well 5S-1 and 5S-9. All roads and corridors.
S10 T42N R76W	Wells 10S-9, 10S-15, 10S-13, 10S-11, 10S-7, 10S-1, and 10S-3. All roads, corridors, powerlines, and power drops.
S11 T42N R76W	Well 11S-13. All roads and corridors.
S15 T42N R76W	Wells 15S-9, 15S-15, and 15S-7. All waterlines, roads, and corridors.
S22 T42N R76W	Wells 22S-13, 22S-11, 22S-7, 22S-15, 22S-5, 22S-9, and 22S-3. All roads, corridors, powerlines, power drops, and waterlines.
S23 T42N R76W	Well 22S-1. All roads, corridors, powerlines, and water management facilities.
S25 T42N R76W	All water management facilities.
S27 T42N R76W	Wells 27S-1, 27S-9, 27S-15, 27S-11, and 27S-3. All waterlines, powerlines, and power drops. All roads and corridors, with the exception of the last 490 feet going to Well 27S-13.
S28 T42N R76W	Wells 28S-3 and 28S-1. Waterline in northern ½ of section. Powerline in NE ¼ of NE ¼. Roads and corridors in northern ½ of section.

- 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.
- Well metering, maintenance and other site visits within 2.0 miles of documented sage grouse lek sites should be minimized as much as possible during the breeding season (March 1– June 15).
- Raptor perch inhibitors will be installed along powerlines that are adjacent to areas with documented sage-grouse use. This will affect the powerline in the following locations:

Legal	Infrastructure
S22 T42N R76W	All powerline in this section
S23 T42N R76W	All powerline in this section
S26 T42N R76W	Powerline running North-South in section

Swift Fox

The following conditions will alleviate impacts to swift fox:

- A swift fox survey will be required in suitable swift fox habitat (prairie dog colonies listed) between April 15 and June 15. This condition will be implemented on an annual basis for the duration of surface disturbing activities.
- If a swift fox den is identified, then a seasonal disturbance-free buffer of 0.25 mile shall be maintained between March 1 and August 31. If no swift fox dens are identified, then surface disturbing activities may be permitted within suitable habitat until the following breeding season (March 1).

Ute Ladies-tresses

The following conditions will alleviate impacts to Ute ladies'-tresses:

1. A habitat suitability survey will be conducted each year to evaluate all areas impacted by the project for potential Ute ladies'-tresses habitat.
2. In areas identified to be suitable habitat, a protocol survey will be required each year, according to the according to Powder River Basin Interagency Working Group's (PRBIWG) accepted protocol. If individual plants are found, then BLM reserves the right to re-evaluate the water management plan to mitigate potential impacts to the plant.

Cultural

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 producing well drilled to each targeted coal zone will be designated as the POD “Reference Well”. Reference wells will not be required for PODs within a 6 mile radius of the first reference well designated by the operator, nor for co-mingled coal zones. The designated reference well must be equipped to be sampled at the well head. A reference well sample will be collected from the wellhead and submitted for analysis, using the list of analytes identified in WDEQ WYPDES “Application for Permit to Surface Discharge Produced Water from CBM New Discharges, Renewals, or Major Modifications”, within 30 to 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 Brook Trout 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 Devon Energy 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 (WY07F0075) 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 Julian Serafin @ (307) 684-1043 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 sown 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 exemptIt 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)
< 2	200
2 - 4	100
4 - 5	75
> 5	50

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.