

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

**SURFACE USE
CONDITIONS OF APPROVAL**

POD Name: Cedar Draw Unit 2

Operator: Williams Production RMT Company

List of Wells:

	Well Name	Well #	Qtr/Qtr	Section	TWP	RNG	Lease #
1	CEDAR DRAW UNIT 2 CDU	22-15SA	SEnw	15	53N	75W	WYW143983
2	CEDAR DRAW UNIT 2 CDU	22-15WG	SEnw	15	53N	75W	WYW143983
3	CEDAR DRAW UNIT 2 CDU	31-15SA	NWNE	15	53N	75W	WYW143983
4	CEDAR DRAW UNIT 2 CDU	31-15WG	NWNE	15	53N	75W	WYW143983
5	CEDAR DRAW UNIT 2 CDU	11-15SA*	NWNw	15	53N	75W	WYW143983
6	CEDAR DRAW UNIT 2 CDU	11-15WG	NWNw	15	53N	75W	WYW143983
7	CEDAR DRAW UNIT 2 CDU	13-15SA	NWSw	15	53N	75W	WYW143983
8	CEDAR DRAW UNIT 2 CDU	13-15WG	NWSw	15	53N	75W	WYW143983
9	CEDAR DRAW UNIT 2 CDU	24-15SA	SESw	15	53N	75W	WYW143983
10	CEDAR DRAW UNIT 2 CDU	24-15WG	SESw	15	53N	75W	WYW143983
11	CEDAR DRAW UNIT 2 CDU	33-15SA	NWSE	15	53N	75W	WYW143983
12	CEDAR DRAW UNIT 2 CDU	33-15WG	NWSE	15	53N	75W	WYW143983
13	CEDAR DRAW UNIT 2 CDU	42-15SA	SENE	15	53N	75W	WYW143983
14	CEDAR DRAW UNIT 2 CDU	42-15WG	SENE	15	53N	75W	WYW143983
15	CEDAR DRAW UNIT 2 CDU	44-15SA	SESE	15	53N	75W	WYW143983
16	CEDAR DRAW UNIT 2 CDU	44-15WG	SESE	15	53N	75W	WYW143983
17	CEDAR DRAW UNIT 2 CDU	33-19SA	NWSE	19	53N	75W	WYW146814
18	CEDAR DRAW UNIT 2 CDU	41-19SA	NENE	19	53N	75W	WYW135223
19	CEDAR DRAW UNIT 2 CDU	41-19WG	NENE	19	53N	75W	WYW135223
20	CEDAR DRAW UNIT 2 CDU	33-19WG	NWSE	19	53N	75W	WYW146814
21	CEDAR DRAW UNIT 2 CDU	13-20SA	NWSw	20	53N	75W	WYW143984
22	CEDAR DRAW UNIT 2 CDU	44-20SA	SESE	20	53N	75W	WYW143984
23	CEDAR DRAW UNIT 2 CDU	13-20WG	NWSw	20	53N	75W	WYW143984
24	CEDAR DRAW UNIT 2 CDU	44-20WG	SESE	20	53N	75W	WYW143984
25	CEDAR DRAW UNIT 2 CDU	33-20WG	NWSE	20	53N	75W	WYW143984
26	CEDAR DRAW UNIT 2 CDU	24-20SA	SESw	20	53N	75W	WYW143984
27	CEDAR DRAW UNIT 2 CDU	24-20WG	SESw	20	53N	75W	WYW143984
28	CEDAR DRAW UNIT 2 CDU	42-20SA	SENE	20	53N	75W	WYW143984
29	CEDAR DRAW UNIT 2 CDU	42-20WG	SENE	20	53N	75W	WYW143984
30	CEDAR DRAW UNIT 2 CDU	33-20SA	NWSE	20	53N	75W	WYW143984
31	CEDAR DRAW UNIT 2 CDU	13-21SA	NWSw	21	53N	75W	WYW143984
32	CEDAR DRAW UNIT 2 CDU	13-21WG	NWSw	21	53N	75W	WYW143984

	Well Name	Well #	Qtr/Qtr	Section	TWP	RNG	Lease #
33	CEDAR DRAW UNIT 2 CDU	11-21SA	NWNW	21	53N	75W	WYW143984
34	CEDAR DRAW UNIT 2 CDU	11-21WG	NWNW	21	53N	75W	WYW143984
35	CEDAR DRAW UNIT 2 CDU	22-21SA	SENW	21	53N	75W	WYW143984
36	CEDAR DRAW UNIT 2 CDU	31-21SA	NWNE	21	53N	75W	WYW143984
37	CEDAR DRAW UNIT 2 CDU	31-21WG	NWNE	21	53N	75W	WYW143984
38	CEDAR DRAW UNIT 2 CDU	33-21SA	NWSE	21	53N	75W	WYW143984
39	CEDAR DRAW UNIT 2 CDU	33-21WG	NWSE	21	53N	75W	WYW143984
40	CEDAR DRAW UNIT 2 CDU	44-21SA	SESE	21	53N	75W	WYW143984
41	CEDAR DRAW UNIT 2 CDU	44-21WG	SESE	21	53N	75W	WYW143984
42	CEDAR DRAW UNIT 2 CDU	22-21WG	SENW	21	53N	75W	WYW143984
43	CEDAR DRAW UNIT 2 CDU	24-21SA	SESW	21	53N	75W	WYW143984
44	CEDAR DRAW UNIT 2 CDU	24-21WG	SESW	21	53N	75W	WYW143984
45	CEDAR DRAW UNIT 2 CDU	42-21SA	SENE	21	53N	75W	WYW143984
46	CEDAR DRAW UNIT 2 CDU	42-21WG	SENE	21	53N	75W	WYW143984
47	CEDAR DRAW UNIT 2 CDU	41-22WG	NENE	22	53N	75W	WYW143984
48	CEDAR DRAW UNIT 2 CDU	12-22SA	SWNW	22	53N	75W	WYW130087
49	CEDAR DRAW UNIT 2 CDU	12-22WG	SWNW	22	53N	75W	WYW130087
50	CEDAR DRAW UNIT 2 CDU	21-22SA	NENW	22	53N	75W	WYW130087
51	CEDAR DRAW UNIT 2 CDU	21-22WG	NENW	22	53N	75W	WYW130087
52	CEDAR DRAW UNIT 2 CDU	32-22SA	SWNE	22	53N	75W	WYW143984
53	CEDAR DRAW UNIT 2 CDU	32-22WG	SWNE	22	53N	75W	WYW143984
54	CEDAR DRAW UNIT 2 CDU	41-22SA	NENE	22	53N	75W	WYW143984
55	CEDAR DRAW UNIT 2 CDU	11-28SA	NWNW	28	53N	75W	WYW143985
56	CEDAR DRAW UNIT 2 CDU	13-28SA	NWSW	28	53N	75W	WYW143985
57	CEDAR DRAW UNIT 2 CDU	11-28WG	NWNW	28	53N	75W	WYW143985
58	CEDAR DRAW UNIT 2 CDU	13-28WG	NWSW	28	53N	75W	WYW143985
59	CEDAR DRAW UNIT 2 CDU	22-28SA	SENW	28	53N	75W	WYW143985
60	CEDAR DRAW UNIT 2 CDU	22-28WG	SENW	28	53N	75W	WYW143985
61	CEDAR DRAW UNIT 2 CDU	24-28SA	SESW	28	53N	75W	WYW143985
62	CEDAR DRAW UNIT 2 CDU	24-28WG	SESW	28	53N	75W	WYW143985
63	CEDAR DRAW UNIT 2 CDU	31-28SA	NWNE	28	53N	75W	WYW143985
64	CEDAR DRAW UNIT 2 CDU	31-28WG	NWNE	28	53N	75W	WYW143985
65	CEDAR DRAW UNIT 2 CDU	33-28SA	NWSE	28	53N	75W	WYW143985
66	CEDAR DRAW UNIT 2 CDU	33-28WG	NWSE	28	53N	75W	WYW143985
67	CEDAR DRAW UNIT 2 CDU	42-28SA	SENE	28	53N	75W	WYW143985
68	CEDAR DRAW UNIT 2 CDU	42-28WG	SENE	28	53N	75W	WYW143985
69	CEDAR DRAW UNIT 2 CDU	44-28SA	SESE	28	53N	75W	WYW143985
70	CEDAR DRAW UNIT 2 CDU	44-28WG	SESE	28	53N	75W	WYW143985
71	CEDAR DRAW UNIT 2 CDU	31-33SA	NWNE	33	53N	75W	WYW143986
72	CEDAR DRAW UNIT 2 CDU	31-33WG	NWNE	33	53N	75W	WYW143986
73	CEDAR DRAW UNIT 2 CDU	42-33SA	SENE	33	53N	75W	WYW143986
74	CEDAR DRAW UNIT 2 CDU	42-33WG	SENE	33	53N	75W	WYW143986

List of Impoundments:

	IMPOUNDMENT Name / Number	Qtr/Qtr	Section	TWP	RNG	Lease Number
1	12-33-5375	SWNW	33	53	75	WYW143986
2	21-33-5376	NENW	33	53	75	WYW143986
3	22-33-5375	SENW	33	53	75	WYW143986
4	14-20-5375	SWSW	20	53	75	WYW143984
5	43-19-5375	NESE	19	53	75	WYW146814
6	Backdoor	NENE	16	53	75	
7	Sweet	NESW	16	53	75	
8	Snake Charmer	SESW	16	53	75	
9	33-21-5375	NWSE	21	53	75	WYW143984
10	21-15-5375	NENW	15	53	75	WYW143983
11	23-15-5375	NESW	15	53	75	WYW143983
12	33-15-5375	NWSE	15	53	75	WYW143983
13	31-28-5375	NWNE	28	53	75	WYW143985
14	P13-20-5375	NWSW	20	53	75	WYW143984
15	P14-20-5375	SWSW	20	53	75	WYW143984
16	P23-20-5375	NWSE	20	53	75	WYW143984
17	P42-29-5375	SENE	28	53	75	WYW143985
18	34-20-5375	SWSE	20	53	75	WYW143984
19	Rock Hill	NWNW	28	53	75	WYW143985
20	George	SENE	19	53	75	WYW135223
21	Bellows	SESW	28	53	75	WYW143985
22	42-16-5375	SENE	16	53	75	
23	24-15-5375	SESW	15	53	75	WYW143985

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

1. 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 August 1st 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

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 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 in riparian areas, flood plains, or in natural drainage ways.
4. Soil or other material stockpiles will be placed outside floodplains.
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. 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.
5. 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.
6. 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.
7. 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 the review of Sundry Notices.

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 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. 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

General

All changes made at the onsite will be followed. They have all been incorporated into the operator's POD.

Surface Use

1. Access and construction of the existing road located in the NWSE, Section 22, T53N, R75W on private surface will not be allowed until a Surface Use Agreement has been met with the landowner and a self-certification statement has been provided to the BLM.
2. The disturbance width of the pipeline in T53N, R75W, Section 22, NWSE running along the fence-line between the 12-22 and 32-22 wells will be limited to 30 feet of total surface disturbance. The dirt work portion within this disturbance will be limited to 20 feet.
3. New dirt work associated with road disturbance for the access road going to the 41-19 location will be oriented toward the existing road disturbance where possible.
4. Due to close proximity to drainages, the Operator will line the pits at the following well locations: 42-15, 42-20, 13-21, 22-21, 24-21, 44-21, 41-22, 11-28, 13-28, 24-28, 31-28, and 33-28.
5. Engineered pads will be required at the following locations: 22-15, 31-15, 42-15, 42-20, 44-21, 12-22, 21-22, and 32-22.

6. For the 24-21 location, only the NW and SW corners of the engineered pad will be built as designed to level off these areas. The remaining area of the location is level and additional dirt work is not necessary.
7. Slots (120x12 feet) will be required at the following locations: 31-21 and 42-28.
8. Due to dense sagebrush habitat at the 41-22 and 42-28 locations, the working area around the well site will be mowed no greater than 120 x 180 feet.
9. For those proposed disturbance areas mentioned below, there are lands with limited reclamation capability that shall be stabilized in a manner which eliminates accelerated 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 completion of construction activities at the following locations:
 - All engineered roads and engineered pads
 - The entire section of road running along the narrow ridgeline in the NW ¼ of section T53N, R75W, Section 28.
10. The approval of this project does not grant authority to use off lease federal lands. No surface disturbing activity, or use of off-lease federal lands, is allowed on affected leases until right-of-way grants become effective on the date in which the right-of-way grant is signed by the authorized officer of the BLM.
11. 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 Cedar Draw Unit 2 POD is Covert Green, 18-0617 TPX.
12. Provide 4” of aggregate where grades exceed 8% for stability and erosion prevention.
13. The culvert locations will be staked prior to construction. The culvert invert grade and finished road grade will be clearly indicated on the stakes. Culverts will be installed on natural ground, or on a designed flow line of a ditch. The minimum cover over culverts will be 12” or one-half the diameter whichever is greater. Drainage laterals in the form of culverts or water bars shall be placed according to the following spacing:

<u>Grade</u>	<u>Drainage Spacing</u>
2-4%	310 ft
5-8%	260 ft
9-12%	200 ft
12-15%	150 ft

14. The operator will follow the guidance provided in the Wyoming Policy on Reclamation (IM WY-90-231) specifically the following:

Reclamation Standards:

- C. 3. The reclaimed area shall be stable and exhibit none of the following characteristics:
 - a. Large rills or gullies.
 - b. Perceptible soil movement or head cutting in drainages.
 - c. Slope instability on, or adjacent to, the reclaimed area in question.
- C.4. 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.5. 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:
 - a. Successful onsite establishment of species included in the planting mixture or other desirable species.
 - b. Evidence of vegetation reproduction, either spreading by rhizomatous species or seed production.
- C.6. 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.

- 15. 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. In lieu of a different specific mix desired by the surface owner, use the following:

Loamy/Shallow Loamy/Clayey Seed Mix

Species	% in Mix	Lbs PLS*
Western wheatgrass <i>(Pascopyrum smithii)</i>	30	3.6
Bluebunch wheatgrass <i>(Pseudoroegneria spicata ssp. Spicata)</i>	20	2.4
Green needlegrass <i>(Nassella viridula)</i>	20	2.4
Thickspike wheatgrass <i>(Elymus lanceolatus ssp. lanceolatus)</i>	15	1.8
Four-wing saltbush <i>(Atriplex canescens)</i>	5	0.6
White or purple prairie clover <i>(Dalea candidum, purpureum)</i>	5	0.6
Prairie coneflower <i>(Ratibida columnifera)</i>	5	0.6
Total	100%	12 lbs/acre

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 *PLS = pure live seed
 *Northern Plains adapted species
 *Double this rate if broadcast seeding

This is a recommended seed mix based on the native plant species listed in the NRCS Ecological Site descriptions, U.W. College of Ag. and seed market availability.

16. Please contact Theresa M. Gulbrandson Natural Resource Specialist, @ (307) 684-1166, Bureau of Land Management, Buffalo, if there are any questions concerning these surface use COAs.

Wildlife

1. The following conditions will reduce impacts to raptors:
 - a. 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 timing limitation will affect the following:

<i>Township/ Range</i>	<i>Sec.</i>	<i>Affected Wells and Infrastructure</i>
53/75	17	The ENTIRE pipeline proposed to corridor the two-track in the southern portion of this section.
53/75	20	Wells: 13-20, 33-20, and 42-20 Impoundments: P13-20-5375 and P23-20-5375 ALL project related activities north of the access route to the 33-19 wells, north of the Plague impoundment and infrastructure associated with the 42-20 well including the compressor station.
53/75	21	Wells: 22-21, 24-21, 33-21, and 44-21 Impoundments: 33-21-5375 ALL project related activities within this ENTIRE section, <i>except</i> the 11-21, 13-21, 31-21, and 42-21 wells and their associated infrastructure.
53/75	28	Wells: 24-28, 31-28, 33-28 and 44-28 Impoundments: 31-28-5375 ALL project related activities within the SE ¼ of this section. ALL infrastructure associated with the 31-28 and 24-21 wells.
53/75	33	Wells: 31-33 and 42-33 Impoundments: 12-33-5375, 21-33-5375, and 22-33-5375 ALL project related activities within this ENTIRE section.

- b. 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.
 - c. Nest productivity checks 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. This applies to the following nest(s):

BLM ID#	SPECIES	UTM	LEGAL LOCATION	SUBSTRATE	CONDITION
3518	Unknown	428003E 4936490N	NWNE Sec. 17 T53N, R75W	Juniper, live	Fair
None	Unknown	427855E 4934521N	SWNE Sec. 20 T53N, R75W	Juniper, dead	Good
None	Golden eagle	429502E	NWSE Sec. 21	Cliff	Fair

BLM ID#	SPECIES	UTM	LEGAL LOCATION	SUBSTRATE	CONDITION
		4933894N	T53N, R75W		
2968	Red-tailed hawk	429944E 4931821N	NENE Sec. 33 T53N, R75W	Cottonwood, live	Good
3519	Unknown	428861E 4930928N	NWSW Sec. 33 T53N, R75W	Cottonwood, live	Poor
3795	Great-horned owl	429367E 4930964N	NESW Sec. 33 T53N, R75W	Juniper, live	Good

- d. Following nest productivity surveys (no earlier than June 1 or later than June 30), if nest 2968 (NENE Section 33, T53N, R73W) is active, Williams Production RMT Company will monitor the activity of the raptors at the nest for the remainder of the nesting period (until July 31 or the young have fledged) during operations and maintenance visits to the 44-28 well location for the first five years following project completion. Monitoring will occur as follows:
- A biologist is required to monitor the nest during well metering, maintenance and other site visits (excluding emergencies) and document the birds' behavior in response to human activity, equipment activity and noise throughout the entire buffer. The biologist must be in position to monitor the nest at least ½ hour before the monitoring or maintenance crews arrive and begin work and ½ hour after the monitoring or maintenance crews leave for the day. The biologist will record all of the bird's activity and document weather conditions and submit a report of the activity to the BLM biologist.
- e. 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.
- f. Well metering, maintenance and other site visits within 0.5 miles of raptor nests shall be minimized as much as possible during the breeding season (February 1 – July 31), and restricted to between 0900 and 1500 hours.
2. The following conditions will reduce impacts to sage-grouse:
- a. No surface disturbing activities are permitted within 2 miles of a sage grouse lek between March 1 and June 15, prior to completion of a greater 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:

<i>Township/ Range</i>	<i>Section</i>	<i>Affected Wells and Infrastructure</i>
53/75	15	Wells: 31-15, 33-15, 42-15, and 44-15 Impoundments: 21-15-5375, 23-15-5375, and 33-15-5375 ALL project related activities within the eastern ½ of this section.
53/75	21	Wells: 44-21 ALL project related activities southeast of and including the pipeline in the southeast ¼ of this section.
53/75	22	Wells: 12-22, 21-22, 32-22, and 41-22 ALL project related activities within this ENTIRE section.
53/75	27	ALL project related activities within this ENTIRE section.
53/75	28	Wells: 22-28, 24-28, 31-28, 33-28, 42-28, and 44-28 Impoundments: 31-28-5375 ALL project related activities within the eastern ½ of this section.
53/75	33	Wells: 31-33 and 42-33 Impoundments: 21-33-5375

<i>Township/ Range</i>	<i>Section</i>	<i>Affected Wells and Infrastructure</i>
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ALL project related activities within the **eastern** ½ of the section.

- 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. 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.
 - d. 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.
3. The following conditions will reduce impacts to sharp-tail-grouse:
- a. A survey is required for sharp-tailed grouse between April 1 and May 7, annually, within the project area for the life of the project and results shall be submitted to a BLM biologist.
 - b. If an active lek is identified during the survey, the 0.64 mile timing restriction (March 1-June 15) will be applied and surface disturbing activities will not be permitted until after the nesting season. The required sharp-tailed grouse survey will be conducted by a biologist following WGFD protocol. All survey results shall be submitted in writing to a Buffalo BLM biologist and approved prior to surface disturbing activities.
 - c. If surveys indicate that the identified lek is inactive during the current breeding season, surface disturbing activities may be permitted within the 0.5 mile buffer until the following breeding season (April 1).
 - d. Creation of raptor hunting perches will be avoided within 0.64 miles of documented sharp-tailed grouse lek sites. Perch inhibitors will be installed to deter avian predators from preying on grouse.

Water Management Plan

1. Headcuts HC 28-1 and HC 28-2 located below Reservoir 31-28-5375 are large and are formed in erosive material. If erosion and slope failure develop on the face of these headcuts, then discharge of CBNG water over this headcut will be discontinued or the outlet pipe from the upstream reservoir will be extended so that it discharges downstream of the base of HC 28-2.

Cultural Resources

1. Road upgrade activities near sites 48CA4463 and 48CA5714 (NW ¼ of Section 28, T53N R75W) will have the following requirements:
 - The eastern edge of the existing two-track road will be the eastern boundary for road construction activities.
 - Temporary orange construction fencing will be placed along the eastern boundary of

the two-track road during construction activities and will be removed after completion.

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 Cedar Draw Unit 2 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 Williams Production RMT 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 Theresa M. Gulbrandson @ 307-684-1166 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.