

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

**SURFACE USE
CONDITIONS OF APPROVAL**

POD Name: SPU 1&2 and Laskie PODs

Operator: Williams Production RMT

***Note:** These APD's will be pending the 30-day public posting period ending August 1, 2008.

**** Note:** This APD will be held pending the 30 day public posting period ending August 11, 2008.

List of Wells:

	Well Name	Well #	QTR	Sec	TWP	RNG	Lease
1	LASKIE DRAW SPU	23-4GW	NESW	4	49N	76W	WYW33136
2	LASKIE DRAW SPU	43-4GW	NESE	4	49N	76W	WYW33136
3	LASKIE DRAW SPU	12-9GW	SWNW	9	49N	76W	WYW153071
4	LASKIE DRAW SPU	14-9GW	SWSW	9	49N	76W	WYW153071
5	LASKIE DRAW SPU	21-9GW	NENW	9	49N	76W	WYW153071
6	LASKIE DRAW SPU	**22-9GW	SENW	9	49N	76W	WYW153071
7	LASKIE DRAW SPU	23-9GW	NESW	9	49N	76W	WYW153071
8	LASKIE DRAW SPU	32-9GW	SWNE	9	49N	76W	WYW153071
9	LASKIE DRAW SPU	34-9GW	SWSE	9	49N	76W	WYW153071
10	LASKIE DRAW SPU	41-9GW	NENE	9	49N	76W	WYW153071
11	LASKIE DRAW SPU	43-9GW	NESE	9	49N	76W	WYW153071
12	SPU 1 & 2	12-18BG	SWNW	18	49N	75W	WYW0157205
13	SPU 1 & 2	12-18GW	SWNW	18	49N	75W	WYW0157205
14	SPU 1 & 2	*21-18BG	NENW	18	49N	75W	WYW0157205
15	SPU 1 & 2	*21-18GW	NENW	18	49N	75W	WYW0157205
16	SPU 1 & 2	41-18BG	NENE	18	49N	75W	WYW0161146
17	SPU 1 & 2	41-18GW	NENE	18	49N	75W	WYW0161146
18	SPU 1 & 2	12-19BG	SWNW	19	49N	75W	WYW027957A
19	SPU 1 & 2	12-19GW	SWNW	19	49N	75W	WYW027957A
20	SPU 1 & 2	14-19BG	SWSW	19	49N	75W	WYW027957A
21	SPU 1 & 2	14-19GW	SWSW	19	49N	75W	WYW027957A
22	SPU 1 & 2	21-19BG	NENW	19	49N	75W	WYW027957A
23	SPU 1 & 2	21-19GW	NENW	19	49N	75W	WYW027957A
24	SPU 1 & 2	23-19BG	NESW	19	49N	75W	WYW027957A
25	SPU 1 & 2	23-19GW	NESW	19	49N	75W	WYW027957A
26	SPU 1 & 2	32-19BG	SWNE	19	49N	75W	WYW0157205
27	SPU 1 & 2	32-19GW	SWNE	19	49N	75W	WYW0157205
28	SPU 1 & 2	34-19BG	SWSE	19	49N	75W	WYW0157205
29	SPU 1 & 2	34-19GW	SWSE	19	49N	75W	WYW0157205
30	SPU 1 & 2	41-19BG	NENE	19	49N	75W	WYW0157205
31	SPU 1 & 2	41-19GW	NENE	19	49N	75W	WYW0157205
32	SPU 1 & 2	43-19BG	NESE	19	49N	75W	WYW0157205

	Well Name	Well #	QTR	Sec	TWP	RNG	Lease
33	SPU 1 & 2	43-19GW	NESE	19	49N	75W	WYW0157205
34	SPU 1 & 2	12-20BG	SWNW	20	49N	75W	WYW0157206
35	SPU 1 & 2	12-20GW	SWNW	20	49N	75W	WYW0157206
36	SPU 1 & 2	22-20BG	SENE	20	49N	75W	WYW0157206
37	SPU 1 & 2	22-20GW	SENE	20	49N	75W	WYW0157206
38	SPU 1 & 2	12-1BG	SWNW	1	49N	76W	WYW012943
39	SPU 1 & 2	12-1GW	SWNW	1	49N	76W	WYW012943
40	SPU 1 & 2	24-1BG	SESE	1	49N	76W	WYW012943
41	SPU 1 & 2	24-1GW	SESE	1	49N	76W	WYW012943
42	SPU 1 & 2	43-1BG	NESE	1	49N	76W	WYW33136
43	SPU 1 & 2	43-1GW	NESE	1	49N	76W	WYW33136
44	SPU 1 & 2	12-2BG	SWNW	2	49N	76W	WYW33136
45	SPU 1 & 2	12-2LW	SWNW	2	49N	76W	WYW33136
46	SPU 1 & 2	41-2BG	NENE	2	49N	76W	WYW012943
47	SPU 1 & 2	41-2GW	NENE	2	49N	76W	WYW012943
48	SPU 1 & 2	43-2BG	NESE	2	49N	76W	WYW012943
49	SPU 1 & 2	43-2GW	NESE	2	49N	76W	WYW012943
50	SPU 1 & 2	32-3BG	SWNE	3	49N	76W	WYW33136
51	SPU 1 & 2	32-3LW	SWNE	3	49N	76W	WYW33136
52	SPU 1 & 2	41-3BG	NENE	3	49N	76W	WYW33136
53	SPU 1 & 2	41-3LW	NENE	3	49N	76W	WYW33136
54	SPU 1 & 2	32-4BG	SWNE	4	49N	76W	WYW33136
55	SPU 1 & 2	32-4LW	SWNE	4	49N	76W	WYW33136
56	SPU 1 & 2	12-10BG	SWNW	10	49N	76W	WYW153071
57	SPU 1 & 2	12-10GW	SWNW	10	49N	76W	WYW153071
58	SPU 1 & 2	14-10BG	SWSW	10	49N	76W	WYW153071
59	SPU 1 & 2	14-10GW	SWSW	10	49N	76W	WYW153071
60	SPU 1 & 2	21-10BG	NENW	10	49N	76W	WYW153071
61	SPU 1 & 2	21-10GW	NENW	10	49N	76W	WYW153071
62	SPU 1 & 2	23-10BG	NESW	10	49N	76W	WYW153071
63	SPU 1 & 2	23-10GW	NESW	10	49N	76W	WYW153071
64	SPU 1 & 2	34-10BG	SWSE	10	49N	76W	WYW153071
65	SPU 1 & 2	34-10GW	SWSE	10	49N	76W	WYW153071
66	SPU 1 & 2	12-11BG	SWNW	11	49N	76W	WYW33136
67	SPU 1 & 2	12-11GW	SWNW	11	49N	76W	WYW33136
68	SPU 1 & 2	*21-11BG	NENW	11	49N	76W	WYW33136
69	SPU 1 & 2	21-11LW	NENW	11	49N	76W	WYW33136
70	SPU 1 & 2	23-11BG	NESW	11	49N	76W	WYW33136
71	SPU 1 & 2	23-11GW	NESW	11	49N	76W	WYW33136
72	SPU 1 & 2	32-11BG	SWNE	11	49N	76W	WYW012943
73	SPU 1 & 2	32-11LW	SWNE	11	49N	76W	WYW012943
74	SPU 1 & 2	34-11BG	SWSE	11	49N	76W	WYW33136
75	SPU 1 & 2	34-11GW	SWSE	11	49N	76W	WYW33136
76	SPU 1 & 2	41-11BG	NENE	11	49N	76W	WYW012943
77	SPU 1 & 2	41-11LW	NENE	11	49N	76W	WYW012943
78	SPU 1 & 2	43-11BG	NESE	11	49N	76W	WYW012943
79	SPU 1 & 2	43-11GW	NESE	11	49N	76W	WYW012943

	Well Name	Well #	QTR	Sec	TWP	RNG	Lease
80	SPU 1 & 2	11-12BG	NWNW	12	49N	76W	WYW012943
81	SPU 1 & 2	11-12LW	NWNW	12	49N	76W	WYW012943
82	SPU 1 & 2	13-12BG	NWSW	12	49N	76W	WYW012943
83	SPU 1 & 2	13-12LW	NWSW	12	49N	76W	WYW012943
84	SPU 1 & 2	14-12BG	SWSW	12	49N	76W	WYW012943
85	SPU 1 & 2	14-12GW	SWSW	12	49N	76W	WYW012943
86	SPU 1 & 2	23-12BG	NESW	12	49N	76W	WYW012944A
87	SPU 1 & 2	23-12LW	NESW	12	49N	76W	WYW012944A
88	SPU 1 & 2	32-12BG	SWNE	12	49N	76W	WYW012944
89	SPU 1 & 2	32-12LW	SWNE	12	49N	76W	WYW012944
90	SPU 1 & 2	34-12BG	SWSE	12	49N	76W	WYW012944
91	SPU 1 & 2	34-12LW	SWSE	12	49N	76W	WYW012944
92	SPU 1 & 2	41-12BG	NENE	12	49N	76W	WYW012944
93	SPU 1 & 2	41-12LW	NENE	12	49N	76W	WYW012944
94	SPU 1 & 2	43-12BG	NESE	12	49N	76W	WYW012944
95	SPU 1 & 2	43-12GW	NESE	12	49N	76W	WYW012944
96	SPU 1 & 2	*13-13BG	NWSW	13	49N	76W	WYW0161144
97	SPU 1 & 2	*13-13GW	NWSW	13	49N	76W	WYW0161144
98	SPU 1 & 2	14-13BG	SWSW	13	49N	76W	WYW023996
99	SPU 1 & 2	14-13GW	SWSW	13	49N	76W	WYW023996
100	SPU 1 & 2	23-13BG	NESW	13	49N	76W	WYW023996
101	SPU 1 & 2	23-13GW	NESW	13	49N	76W	WYW023996
102	SPU 1 & 2	34-13BG	SWSE	13	49N	76W	WYW023996
103	SPU 1 & 2	34-13GW	SWSE	13	49N	76W	WYW023996
104	SPU 1 & 2	11-14BG	NWNW	14	49N	76W	WYW138444
105	SPU 1 & 2	11-14GW	NWNW	14	49N	76W	WYW138444
106	SPU 1 & 2	12-14BG	SWNW	14	49N	76W	WYW138444
107	SPU 1 & 2	12-14GW	SWNW	14	49N	76W	WYW138444
108	SPU 1 & 2	*13-14BG	NWSW	14	49N	76W	WYW161144
109	SPU 1 & 2	*13-14GW	NWSW	14	49N	76W	WYW161144
110	SPU 1 & 2	14-14BG	SWSW	14	49N	76W	WYW0161144
111	SPU 1 & 2	14-14GW	SWSW	14	49N	76W	WYW0161144
112	SPU 1 & 2	21-14BG	NENW	14	49N	76W	WYW138444
113	SPU 1 & 2	21-14GW	NENW	14	49N	76W	WYW138444
114	SPU 1 & 2	32-14BG	SWNE	14	49N	76W	WYW138444
115	SPU 1 & 2	32-14GW	SWNE	14	49N	76W	WYW138444
116	SPU 1 & 2	34-14BG	SWSE	14	49N	76W	WYW0161144
117	SPU 1 & 2	34-14GW	SWSE	14	49N	76W	WYW0161144
118	SPU 1 & 2	42-14BG	SENE	14	49N	76W	WYW138444
119	SPU 1 & 2	42-14GW	SENE	14	49N	76W	WYW138444
120	SPU 1 & 2	12-15BG	SWNW	15	49N	76W	WYW153071
121	SPU 1 & 2	12-15GW	SWNW	15	49N	76W	WYW153071
122	SPU 1 & 2	13-15BG	NWSW	15	49N	76W	WYW153071
123	SPU 1 & 2	13-15GW	NWSW	15	49N	76W	WYW153071
124	SPU 1 & 2	21-15BG	NENW	15	49N	76W	WYW153071
125	SPU 1 & 2	21-15GW	NENW	15	49N	76W	WYW153071
126	SPU 1 & 2	23-15BG	NESW	15	49N	76W	WYW153071

	Well Name	Well #	QTR	Sec	TWP	RNG	Lease
127	SPU 1 & 2	23-15GW	NESW	15	49N	76W	WYW153071
128	SPU 1 & 2	32-15BG	SWNE	15	49N	76W	WYW153071
129	SPU 1 & 2	32-15GW	SWNE	15	49N	76W	WYW153071
130	SPU 1 & 2	34-15BG	SWSE	15	49N	76W	WYW153071
131	SPU 1 & 2	34-15GW	SWSE	15	49N	76W	WYW153071
132	SPU 1 & 2	41-15BG	NENE	15	49N	76W	WYW153071
133	SPU 1 & 2	41-15GW	NENE	15	49N	76W	WYW153071
134	SPU 1 & 2	43-15BG	NESE	15	49N	76W	WYW153071
135	SPU 1 & 2	43-15GW	NESE	15	49N	76W	WYW153071
136	SPU 1 & 2	32-22BG	SWNE	22	49N	76W	WYW153071
137	SPU 1 & 2	32-22GW	SWNE	22	49N	76W	WYW153071
138	SPU 1 & 2	41-22BG	NENE	22	49N	76W	WYW153071
139	SPU 1 & 2	41-22GW	NENE	22	49N	76W	WYW153071
140	SPU 1 & 2	12-23BG	SWNW	23	49N	76W	WYW0161144
141	SPU 1 & 2	12-23GW	SWNW	23	49N	76W	WYW0161144
142	SPU 1 & 2	21-23BG	NENW	23	49N	76W	WYW138444
143	SPU 1 & 2	21-23GW	NENW	23	49N	76W	WYW138444
144	SPU 1 & 2	32-23BG	SWNE	23	49N	76W	WYW138444
145	SPU 1 & 2	32-23GW	SWNE	23	49N	76W	WYW138444
146	SPU 1 & 2	34-23BG	SWSE	23	49N	76W	WYW0161144
147	SPU 1 & 2	34-23GW	SWSE	23	49N	76W	WYW0161144
148	SPU 1 & 2	41-23BG	NENE	23	49N	76W	WYW138444
149	SPU 1 & 2	41-23GW	NENE	23	49N	76W	WYW138444
150	SPU 1 & 2	43-23BG	NESE	23	49N	76W	WYW0161144
151	SPU 1 & 2	43-23GW	NESE	23	49N	76W	WYW0161144
152	SPU 1 & 2	14-24BG	SWSW	24	49N	76W	WYW0161144
153	SPU 1 & 2	14-24GW	SWSW	24	49N	76W	WYW0161144
154	SPU 1 & 2	23-24BG	NESW	24	49N	76W	WYW023996
155	SPU 1 & 2	23-24GW	NESW	24	49N	76W	WYW023996
156	SPU 1 & 2	34-24BG	SWSE	24	49N	76W	WYW023996
157	SPU 1 & 2	34-24GW	SWSE	24	49N	76W	WYW023996
158	SPU 1 & 2	43-24BG	NESE	24	49N	76W	WYW023996
159	SPU 1 & 2	43-24GW	NESE	24	49N	76W	WYW023996
160	SPU 1 & 2 BELUS	14-17BG	SWSW	17	49N	75W	WYW027956C
161	SPU 1 & 2 49 RANCH	14-30BG	SWSW	30	49N	75W	WYW134226
162	SPU 1 & 2 49 RANCH	14-30GW	SWSW	30	49N	75W	WYW134226
163	SPU 1 & 2 BELUS	14-17GW	SWSW	17	49N	75W	WYW027956C
164	SPU 1 & 2 J RECORD	14-7BG*	SWSW	7	49N	75W	WYW027956C
165	SPU 1 & 2 J RECORD	14-7GW	SWSW	7	49N	75W	WYW027956C
166	SPU 1 & 2 J RECORD	23-7BG	NESW	7	49N	75W	WYW135913
167	SPU 1 & 2 J RECORD	23-7GW	NESW	7	49N	75W	WYW135913
168	SPU 1 & 2 RECORD	21-13BG	NENW	13	49N	76W	WYW040493A
169	SPU 1 & 2 RECORD	21-13GW	NENW	13	49N	76W	WYW040493A
170	SPU 1 & 2 RECORD	22-13BG	SENE	13	49N	76W	WYW040493A
171	SPU 1 & 2 RECORD	22-13GW	SENE	13	49N	76W	WYW040493A
172	SPU 1 & 2 RECORD	32-13BG	SWNE	13	49N	76W	WYW040493
173	SPU 1 & 2 RECORD	32-13GW	SWNE	13	49N	76W	WYW040493

	Well Name	Well #	QTR	Sec	TWP	RNG	Lease
174	SPU 1 & 2 RECORD	41-13BG	NENE	13	49N	76W	WYW040493
175	SPU 1 & 2 RECORD	41-13GW	NENE	13	49N	76W	WYW040493
176	SPU 1 & 2 RECORD	12-24BG	SWNW	24	49N	76W	WYW040493
177	SPU 1 & 2 RECORD	12-24GW	SWNW	24	49N	76W	WYW040493
178	SPU 1 & 2 RECORD	21-24BG	NENW	24	49N	76W	WYW040493
179	SPU 1 & 2 RECORD	21-24GW	NENW	24	49N	76W	WYW040493
180	SPU 1 & 2 RECORD	32-24BG	SWNE	24	49N	76W	WYW040493
181	SPU 1 & 2 RECORD	32-24GW	SWNE	24	49N	76W	WYW040493
182	SPU 1 & 2 RECORD	41-24BG	NENE	24	49N	76W	WYW040493
183	SPU 1 & 2 RECORD	41-24GW	NENE	24	49N	76W	WYW040493

List of Impoundments:

	IMPOUNDMENT Name / Number	Qtr/Qtr	Section	TWP	RNG	Capacity (Acre Feet)	Surface Disturb (Acres)	Lease #
1	WIDE TOP	SENE	2	49	76	4.4	1.5	FEE
2	GRASSY FLAT	SENE	3	49	76	8.1	2.5	WYW033136
3	LANEY	SESW	34	50	76	5.05	1.5	WYW033136
4	BESSIE HOLMS	SESE	34	50	76	4.75	1.5	WYW033138
5	RECORD 12-3-4976	SWNW	3	49	76	24.29	4	FEE
6	RECORD 32-11-4976	SWNE	11	49	76	31.22	5.5	WYW0012943
7	WILLIAMS 14-28-4975-- Secondary	SWSW	28	49	75	73.5	7	WYW0013598
8	RECORD 22-18-4975-- Secondary	SENE	18	49	75	31.44	4.5	WYW0157205
9	RECORD 42-11-4976	SENE	11	49	76	36.61	6	WYW0012943
10	RECORD 42-13-4976	SENE	13	49	76	47.26	7	FEE

I Programmatic mitigation measures identified in the PRB FEIS ROD

Groundwater

In order to address the potential impacts from infiltration on shallow ground water, the Wyoming DEQ has developed and revised a guidance document, "Compliance Monitoring and siting Requirements for Unlined Impoundments Containing Coalbed Methane Produced Water" (September, 2006) which can be accessed on their website. For all WYPDES permits the BLM will require that operators comply with the latest DEQ standards and monitoring guidance.

Surface Water

1. Channel Crossings:
 - a) 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.

- b) 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. The operator will supply copies of complete approved SW-4, SW-3, or SW-CBNG permits to BLM as they are issued by WSEO for impoundments.
4. The operator will supply copies of complete approved WYPDES permits and modifications as they are issued by WDEQ.

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.

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. 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.

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

Surface Use

1. All changes made at the onsite will be followed. They have all been incorporated into the operator's plan of development.
2. 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 SPU 1& 2 and Laskie POD is Covert Green 18-0617 TPX.
3. The operator has proposed power drops on maps. If the locations of the power drops or power line route are altered, the operator will request the changes by sundry.
4. Keep sediment out of drainage near the 12-23 location by using methods such as silt fencing.
5. Retain a 20ft vegetated border from edge of disturbance of the 34-14 to nearby drainage.
6. Proposed disturbance areas with limited reclamation potential 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 initiation of construction activities for well locations: 13-15-4979, 41-22-4976, and 12-23-4976 and roads and pipelines with low reclamation potential as identified on the Reclamation Map for the Laskie and SPU 1 & 2 PODs (attachment 1).
7. 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.
8. The operator will drill seed on the contour to a depth of 0.5 inch, followed by cultipaction to compact the seedbed, preventing soil and seed loss. 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:

Species - Cultivar	% in Mix	Lbs PLS
Western Wheatgrass - <i>Rosana</i>	30	3.6
Bluebunch Wheatgrass - <i>Secar or P-7</i>	10	1.2
Green needlegrass - <i>Lodorm</i>	25	3.0
Slender Wheatgrass	20	2.4
White - <i>Antelope</i> or Purple Prairie Clover - <i>Bismarck</i>	5	0.6
Prairie coneflower	5	0.6
Rocky Mountain beeplant	5	0.6
Totals	100%	12 lbs/acre

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.

- 9. Please contact Jennifer Spegon Natural Resource Specialist, @ (307) 684-1059 Bureau of Land Management, Buffalo, if there are any questions concerning these surface use COAs.

Wildlife
Mountain Plover

- 1. A mountain plover nesting survey is required in prairie dog colonies in section 1, 4, and 23, (T49N, R76W) prior to commencement of surface disturbing within 0.25 miles of those colonies. No surface disturbing activities are permitted in suitable habitat areas listed above, from March 15-July 31, until a mountain plover nesting survey has been conducted for the current breeding season. This affects all wells and their associated infrastructure and reservoirs located within 0.25 miles of a prairie dog colony.
 - a. If a mountain plover is identified, then a seasonal disturbance-free buffer of 0.25 mile shall be maintained between March 15 and July 31. If no mountain plovers are identified, then surface

disturbing activities may be permitted within suitable habitat until the following breeding season (March 15).

- b. 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.
- c. Reclamation of areas of previously suitable mountain plover habitat will include the seeding of vegetation to produce suitable habitat for mountain plover.

Burrowing Owl

1. No surface disturbing activity shall occur the within the black-tailed prairie dog colonies listed in the 2007 wildlife reports (WLS 2007) from April 15 through August 31, annually, prior to a burrowing owl nest occupancy survey for the current breeding season. This will affect all wells their associated infrastructure and reservoirs within 0.25 miles of a prairie dog colony.

Raptors

1. The following conditions will alleviate impacts to raptors:
 - a. No surface disturbing activity shall occur within 0.5 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:

BLM ID	SPECIES	UTM E	UTM N	SCTN	TWP	RNG	SUBSTRATE	Wells and associated infrastructure:
648	Golden eagle	424112	4893262	25	49	76	Cottonwood	
1376	Golden eagle	419564	4895227	21	49	76	Cottonwood	
1381	Red-tailed hawk	420816	4894841	22	49	76	Cottonwood	
2676	Golden eagle	419545	4895372	21	49	76	Cottonwood	
2677	Red-tailed hawk	420881	4894915	22	49	76	Cottonwood	
2682	Red-tailed hawk	421640	4894520	22	49	76	Cottonwood	
2683	Unknown	419727	4894308	28	49	76	Cottonwood	
2685	American Kestrel	419749	4895478	21	49	76	Cliff	
3546	Red-tailed hawk	427407	4899584	5	49	75	Creek bank	
3547	Long-eared owl	427702	4898574	8	49	75	Juniper	
3548	Red-tailed hawk	425908	4897339	18	49	75	Cottonwood	41-13, 14-7, 23-7, 12-18
3549	Red-tailed hawk	426157	4897658	7	49	75	Cottonwood	41-13, 14-7, 23-7, 12-18
3639	Unknown	420448	4894114	27	49	76	Cottonwood	
3812	Unknown	422751	4893918	26	49	76	Cottonwood	34-23
3813	Red-tailed hawk	422650	4893509	26	49	76	Cottonwood	
3814	Golden eagle	424204	4893159	25	49	76	Cottonwood	
3815	Unknown	422677	4894060	26	49	76	Cottonwood	34-23
3816	Unknown	422943	4893884	26	49	76	Cottonwood	34-23
3817	Red-tailed hawk	422956	4893937	26	49	76	Cottonwood	34-23

BLM ID	SPECIES	UTM E	UTM N	SCTN	TWP	RNG	SUBSTRATE	Wells and associated infrastructure:
3818	Unknown	422818	4894173	26	49	76	Cottonwood	34-23
3820	Red-tailed hawk	420812	4895010	22	49	76	Cottonwood	34-23
3821	Red-tailed hawk	424469	4892314	36	49	76	Cottonwood	
4149	Unknown	427398	4898771	8	49	75	JUL	
4277	Unknown	426110	4897586	8	49	75	Cottonwood	new 31-18, 41-18
5077	Red-tailed hawk	427468	4895697	20	49	75	Cottonwood	14-17, 22-20, 12-20
5078	Great-horned owl	425890	4895920	19	49	75	Cottonwood	21-19, 32-19, 41-19, 12-19,
5079	Red-tailed hawk	425433	4896191	18	49	75	Cottonwood	41-24, 21-19
5080	Red-tailed hawk	423592	4896416	14	49	76	Cottonwood	23-13, 14-13, 34-14, 41-23, 42-14
5081	Red-tailed hawk	423400	4896480	14	49	76	Cottonwood	32-14, 14-13, 41-23, 34-14, 42-14, 34-14
5103	Unknown	419127	4895877	21	49	76	Cottonwood	
5429	Red-tailed hawk	421834	4896925	15	49	76	Cottonwood	12-14, 43-15, 32-15,
5585	Golden eagle	420938	4899566	3	49	76	Ponderosa	21-10, 43-4, 41-9,
5590	Great-horned owl	420454	4896366	15	49	76	Juniper	13-15
5586	Unknown	425743	4892909	30	49	75	Cottonwood	
5587	Red-tailed hawk	419870	4901280	33	50	76	Cottonwood	
5591	Red-tailed hawk	418853	4898613	9	49	76	Ponderosa	12-9

Note: All nests requiring nest occupancy and productivity checks are included in the table. Timing limitations currently apply only to those nests with infrastructure identified within 0-.5 miles.

- 1) Surveys to document nest occupancy at the above nests 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.
- 2) Nest productivity checks shall be completed for five years. 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.

- 3) Activities at the 43-15 well location will be limited to routine well visits February 1-July 31. Should the well or corridor need maintenance, the BLM will be notified of the work needed and nest status. If the nest is active, a biological monitor shall be present for the duration of work and submit a report to the BLM within two days of work completion. Routine well visits would include pumper traffic and metering. Maintenance would include use of any internal combustion engine or an activity outside the well-house that requires more than one person/hour.

Sage-grouse

1. No surface disturbing activities are permitted within 2 miles of the following sage-grouse leks: Laskie Draw, Laskie Draw East, Barber Creek/South Prong, and Watsabaugh 4 between March 1 and June 15, prior to completion of a greater sage-grouse lek survey. This timing limitation will apply to the wells, infrastructure and water management as depicted in the Laskie (June 23, 2008) and South Prong 1&2 (June 9, 2008) Williams' Map D with wildlife. Seventy-two of the 100 well locations and all water management (except Section 28 (T49N,R75W)) in the project area are covered by this condition.
 - a. If an active sage grouse 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.
 - b. Creation of raptor hunting perches will be avoided within 0.5 mile of documented sage grouse and sharp-tailed grouse lek sites. Perch inhibitors will be installed on well houses, fencing, panels or other structures over 4-feet tall to deter avian predators from preying on sage grouse.
 - c. Vehicle traffic within ¼ mile of leks shall be limited from 9 AM to 3PM from March 1-June 15.
2. If during the greater-sage grouse lek survey a new sharp-tailed grouse lek is identified, a 0.67 mile timing restriction (April 1 to May 31) 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 buffer until the following breeding season. The required 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.
3. Minimize mowing on access roads and locations in sagebrush, in particular: the 23-4, 34-14, 32-23, and the 41-23 locations. For example, whenever possible drive on the sagebrush instead of mowing or blading it.
4. Due to sage-grouse nesting habitat, the operator will contain corridor (road and pipeline) disturbance (mowed or bladed vegetation and 2-track) within 20 ft at the following locations: 23-4, 21-10, 34-19, 32-12, 14-7, 24-1, 22-1, and from the 12-20 location to the 43-19 location.
5. Due to 23-4 located at ¼ mile and in view of a sage grouse lek, Williams will use 4 ft well housing on the 23-4 location.
6. Seed the old ranch road south of the 23-4 location.

Water Management

1. The BLM will be notified at least 2 weeks prior to beginning construction of the Williams 14-28-4975 Dam. A pre-construction review will be conducted no more than 5 days prior to the commencement of construction activities. If this dam is downsized to be less than Safety of Dams category prior to construction, then the following conditions will apply:
 - a. Geotechnical investigations for foundation and substrate will be conducted by a qualified

- engineer.
- b. The dam’s construction will be closely supervised by a qualified engineering firm to guarantee that all construction specifications are closely adhered to.
2. Laney and Wide Top dams will be drained and lined with an impervious material (not specifically identified) to prevent these dams’ reservoirs from seeping into their respective drainages. Should seepage continue following two years of operation after lining has been completed, all discharge of water produced from federal actions will be discontinued. Should the landowner concur, these two dams and their reservoirs will then be decommissioned and reclaimed according to BLM reclamation standards for final abandonment of CBNG storage impoundments (in process of being developed). If the landowner chooses to retain these two dams and reservoirs, no water produced as a result of any federal action will be discharged to them.
 3. The operator’s water management plan specifically states that “...no produced effluent will be allowed to flow from the containment facilities...” With this in mind, if the operator chooses to petition the WDEQ for a change in their WYPDES permits to allow the use of assimilative capacity credits with this POD, a sundry to change the water management plan and allow discharge will be submitted to the BLM for review, additional analysis, and approval prior to beginning discharge.
 4. The spring identified in the NENW of section 20, T49N, R75W, will be monitored, and, if flow is present, flow will be measured and samples will be collected and analyzed in the spring and in the fall.
 5. When impoundments listed as “Secondary” are to be added, a sundry will first be submitted to the BLM’s Buffalo Field Office for review and additional analysis, if needed. Reclamation bonding for any additional impoundments will be in place prior to sundry approval.

Cultural

1. According to the cultural resource addendum report (Fewings – WLS, 2008a), several areas were identified to have less than adequate surface visibility for locating cultural resources. BLM Manual 8110 .21 (C) 3, states that “areas with dense vegetation cover, partial snow cover, dune activity, or other surface obscuring conditions may require further survey as these conditions change”. Therefore, the following areas will not be approved until they receive an adequate class III cultural resource inventory as surface visibility allows. If surface visibility has not increased as the vegetation dries out, a shovel testing/probing inventory must be conducted. A testing strategy must be approved by the BLM archaeologist prior to the inventory.

12-10-4976 well: center of survey block, as well as road and pipeline corridor
13-14-4976 well: center of survey block
12-15-4976 well: drainage bottoms in survey block
41-15-4976 well: southeast corner of survey block
43-23-4976 well: north and west sides of survey block
21-23-4976 well: east end of linear survey
Proposed pipeline in T49N T76W Section 23 SW SE: entire linear corridor

2. An addendum report to document the additional inventory is required. Once the report is reviewed and consultation with SHPO is complete, construction in these areas will be allowed.

Visual Resources

1. To reduce visual impact there will be a condition of approval (COA) to avoid surfacing the access road to the 34-23 location and keep the crosscut on ridge to less than 35 ft.
2. To mitigate the visual impact from I-90, Williams will use a 4 ft well housing on the 43-1 and the 14-24 sites.

3. To mitigate visual impact from I-90, the 34-9 and the 14-9 well structures will be kept below the ridge. Avoid surfacing access road to these well to further reduce visual impact.

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 SPU 1& 2 and the Laskie 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 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 Jennifer Spegon @ 307-684-1059 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 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.