

APPENDIX E
SITE SPECIFIC MITIGATION MEASURES TO ADDRESS WATER DISCHARGE

A. Reinjection

As part of their water management strategy for the Savageton 3 and 4 PODS, Lance is proposing to transport produced water to an area near Midwest, Wyoming; where the water will be reinjected into the Madison aquifer. Water within the Savageton III & IV PODS will be collected and conveyed via high-density polyethylene pipeline through Anadarko’s Dry Willow Phase 1 POD to the Dry Willow pump/transfer station. Water will then be filtered, degassed, and pumped to Midwest via the Salt Creek pipeline for reinjection into the Madison aquifer. Corridors will tend to follow roads and gas pipeline routes in order to reduce surface disturbances.

B. Reservoirs

As part of their water management strategy for the Savageton 3 and 4 PODs, Lance is proposing to remove reservoirs found in sections 8, 17, 18, 19, and 20 of Township 44 North, Range 75 West from the water management plan. The reservoirs being removed from the water management plan are described in Table 1. Lance will also remove from the plan any infrastructure proposed in conjunction with the reservoirs in Sections 8 and 17-20. The removed infrastructure includes eight outfalls (outfalls 001-007 and 022), all monitoring wells proposed adjacent to the reservoirs, and all water lines leading to the outfalls. As noted above, all other reservoirs included in the Savageton 3 and 4 PODs will still be utilized as part of Lance’s water management strategy.

Table 1. Reservoirs removed from the Savageton III & IV PODs

Facility Name	Location					
	Qtr-Qtr	SEC	TNP	RGE	Latitude	Longitude
P13-8	NWSW	8	44	75	43.80018	105.90407
P14-8	SWSW	8	44	75	43.79861	105.90484
23-8N	NESW	8	44	75	43.80346	105.90089
23-8S	NESW	8	44	75	43.80072	105.89976
24-8	SESW	8	44	75	43.79674	105.89819
P12-18	SWNW	18	44	75	43.78989	105.92537
P13-18	NWSW	18	44	75	43.78780	105.92480
P14-18	SWSW	18	44	75	43.78305	105.92215
24-18	SESW	18	44	75	43.78531	105.91937
43-18	NESE	18	44	75	43.78858	105.90918
Pfister #2	SENE	19	44	75	43.77604	105.91044
Shearing Pen Reservoir	SENE	19	44	75	43.77680	105.90811
	SWNW	20				

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