

**APPENDIX A. INTERDISCIPLINARY TEAM ANALYSIS RECORD
CHECKLIST**

INTERDISCIPLINARY TEAM ANALYSIS RECORD CHECKLIST

Project Title: Gasco's Field Development EIS

NEPA Log Number: UT-080-06-253

File/Serial Number:

Project Leader: Kelly Buckner

DETERMINATION OF STAFF: (Choose one of the following abbreviated options for the left column)

NP = not present in the area impacted by the proposed or alternative actions

NI = present, but not affected to a degree that detailed analysis is required

PI = present with potential for significant impact analyzed in detail in the EA; or identified in a DNA as requiring further analysis

NC = (DNAs only) actions and impacts not changed from those disclosed in the existing NEPA documents cited in Section C of the DNA form.

Determination	Resource	Rationale for Determination*	Signature	Date
CRITICAL ELEMENTS				
PI	Air Quality	Potential impacts to air quality from the construction, drilling completion, and production of the proposed wells, including additional compression	Stephanie Howard	01/16/07
PI	Existing Areas of Critical Environmental Concern	The Proposed Action and <u>Alternative C</u> all fall within the following ACECs: 1) The Lower Green River 2) Nine Mile Canyon 3) Pariette Wetlands	Stephanie Howard	06/11/10
PI	Cultural Resources	Known sites within the project area, including the northern rim of Nine Mile Canyon.	Blaine Phillips	12/11/06
NP	Environmental Justice	No minority or economically disadvantaged communities or populations would be disproportionately adversely affected by the <u>Proposed Action</u> or alternatives.	Stephanie Howard	06/11/10
NP	Farmlands (Prime or Unique)	None present in Vernal Field Office.	Stephanie Howard	01/16/07
PI	Floodplains	Green River, Pariette Draw, and Nine-mile Creek are in the project area. All other drainages are ephemeral. 100-year floodplains may extend into the project area.	Stan Olmstead	12/11/06
PI	Invasive, Non-native Species	Potential for invasive and noxious weeds to establish along disturbances and spread further off site. Potential for invasive and noxious weeds to adversely affect TES plants.	Jessie Salix	11/16/07

Determination	Resource	Rationale for Determination*	Signature	Date
PI	Native American Religious Concerns	TCPs are present.	Blaine Phillips	12/11/06
PI	Threatened, Endangered or Candidate Animal Species	1) T&E fish 2) Mexican Spotted owl good and fair habitat 3) Water depletion that will affect T&E fish.	Brandon McDonald	12/11/06
PI	Threatened, Endangered or Candidate Plant Species	1) FWS-T wagonhound cactus (<i>Sclerocactus brevispinus</i>) in T9S R18E and T9S R19E. 2) FWS-T clay reed mustard (<i>Schoenocrambe argillacea</i>) in T10S R18E. 3) FWS-C White River beardtongue (<i>Penstemon scariosus</i> var. <i>albifluvis</i>) in T10S R18E. 4) FWS-T Uinta Basin hookless cactus (<i>Sclerocactus wetlandicus</i>) in T11S R16E, T11S R17E and T11S R 18E. 5) FWS-E shrubby reed mustard (<i>Schoenocrambe suffrutescens</i>) in T11S 515E and T11S R16E. 6) FWS-T Ute ladies'-tresses (<i>Spiranthes diluvialis</i>) potential along river.	Clayton Newberry	08/03/07
NI	Wastes (hazardous or solid)	<u>Hazardous Waste:</u> No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well. <u>Solid Wastes:</u> Trash would be confined in a covered container and hauled to an approved landfill. Burning of waste or oil would not be done. Human waste would be contained and be disposed of at an approved sewage treatment facility.	Stephanie Howard	01/16/07
PI Surface PI Ground	Water Quality (surface/ground)	<u>Surface:</u> Erosion and sedimentation could impact water quality. Increased salinity in water ways due to saline soils. <u>Ground:</u> There is potential impact to groundwater resources due to spills or leaks from production facilities and pipelines associated with this field development project. Impacts from wells would be negligible for wells if operator is in compliance with "Onshore Oil and Gas Order No. 2 Drilling Operations". This will assure that the drilling or operation of the wells will not adversely affect groundwater quality.	Stan Olmstead John Mayers	12/11/06 01/16/07

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PI	Wetlands/Riparian Zones	Potential to impact wetland and riparian areas.	Stan Olmstead Sue Nall	12/11/06 01/18/07
PI	Wild and Scenic Rivers	The Lower Green W&S river suitable segment is present.	Stephanie Howard	06/11/10
NP	Wilderness	There are no designated wilderness areas or wilderness study areas in the proposed areas.	Chuck Patterson	12/11/06
PI	County Transportation Plan	Need to include a travel plan that would address roads issues regarding type, maintenance and standards, and a statement that roads would be maintained throughout the life of the project.	Diane Coltharp (Uintah County)	05/22/07
PI	Fish and Wildlife Including Special Status Species other than FWS candidate or listed species (e.g., migratory birds)	Bald eagle foraging and roosting areas, sage grouse, mountain plover, white tailed prairie dog, raptors, migratory birds, and big game winter range.	Brandon McDonald	12/11/06
PI	Fuels/Fire Management	Potential impact for unplanned fire ignitions. Potential change in Fire Regime.	Steven Strong	12/11/06
PI	Geology/Mineral Resources/Energy Production	Potential to conflict with building stone (decorative rock) areas. Also Special Tar Sand Areas fall within the EIS project area.	John Mayers Jerry Kenczka	01/16/07 9/18/07
PI	Lands/Access	The proposed area is located within the Diamond Mountain Resource Management Plan area, which allow for oil and gas development with associated road and pipeline right-of-ways. Possible integrity affects to the numerous pipelines and road rights-of-ways may occur in the proposed project area due to construction.	Naomi Hatch	07/25/07
PI	Livestock Grazing	Direct impacts to forage. Indirect impacts by invasive weeds. Potential impacts to rangeland improvements (gates, reservoirs, cattle guards, fences, etc)	Stan Olmstead	12/11/06
PI	Paleontology	Potential to impact known and undiscovered paleontological sites within this EIS area.	Blaine Phillips	8/6/2007

Determination	Resource	Rationale for Determination*	Signature	Date
PI	Rangeland Health Standards and Guidelines	<p>Utah Rangeland Health Standard #1 requires that "upland soils exhibit permeability and infiltration rates that sustain or improve site productivity, considering the soil type, climate and landform." Increased soil erosion and soil compaction could potentially result in a failure to achieve Rangeland Health Standard #1.</p> <p>Could cause the allotment to not meet Utah Rangeland Health Standard #3 (due to increased invasive species due to disturbance which decreases the desired species). The use of vehicles during cross country travel could spread invasive weeds if the vehicles drive through present infestations. This spread of invasive weeds could cause a reduction in desired species which could move the allotments in a direction of not meeting Utah Rangeland Health Standard #3 (Desired species, including native, threatened, endangered, and special-status species, are maintained at a level appropriate for the site and species involved).</p>	Stephanie Howard	01/17/07
PI	Recreation	<p>The area is used the following ways:</p> <ol style="list-style-type: none"> 1) By the Wilderness Therapeutic group (Second Nature) which is permitted for use from November to May. 2) The proposed areas also fall within the Limited Entry elk hunts which occur August 24 –October 5, and special hunts to December 31. 3) Approximately 300 recreation users utilize the lower Green River between May and October. 4) NOLS is permitted on the lower Green River to operate raft training trips to clients. 	Chuck Patterson	12/11/06
PI	Socio-economics	<p>The Proposed Action would have positive effects on the socio-economics of local cities and towns surrounding the project area. Project area work crews would likely increase local revenue through expenditures on lodging, meals, and supplies.</p> <p>In the last 50 years, Uintah County has shifted from an agrarian economy to an oil-and-gas economy with services to support oil and gas (retail trade, private services, and government services). Therefore there is a positive impact to socioeconomics expected. <u>However, a negative impact on the county road budget could occur.</u></p>	Stephanie Howard	12/11/06
PI	Soils	Potential impact on soil erosion and sedimentation	Steven Strong	12/11/06

Determination	Resource	Rationale for Determination*	Signature	Date
PI	Vegetation including Special Status Plant Species other than FWS candidate or listed species	BLM sensitive Graham's beardtongue (<i>Penstemon grahamii</i>) in T11S R17E and T11S R18E.	Clay Newberry	8/03/2007
PI	Visual Resources	The proposed areas fall within VRM Classes II, III, and IV. There are potential impacts in the areas that fall within VRM Class II.	Chuck Patterson	12/11/06
PI	Waters of the U.S.	Potential to impact waters of the U. S., including wetlands.	Sue Nall	01/18/07
NP	Wild Horses and Burros	Not present.	Del Clark	11/13/06
PI	Wilderness characteristics	The proposed areas may fall within the Desolation Canyon wilderness characteristics area which was found by the Vernal FO as having a Reasonable & Probability Determination of having wilderness characteristics.	Chuck Patterson	12/11/06
PI	Woodland/Forestry	Potential Impacts from loss of commercial woodlands.	Steven Strong	12/11/06

FINAL REVIEW:

Reviewer Title	Signature	Date	Comments
NEPA/Environmental Coordinator		2/28/12	
Authorized Officer		2/28/12	

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