

APPENDIX A
IDT CHECKLIST

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INTERDISCIPLINARY TEAM ANALYSIS RECORD CHECKLIST

Project Title: Stewart Petroleum Corporation's Tumbleweed II Exploratory Natural Gas Drilling Project

NEPA Log Number: DOI-BLM-UTG010-2009-0090-EA

File/Serial Number: UTU-74858, UTU-72667, UTU-72018, UTU-72059, and UTU-84256

Project Leader: Stephanie Howard

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 / Issue	Rationale for Determination*	Signature	Date
PI	Air Quality	Well development includes emissions from earth-moving equipment, vehicle traffic, drilling, and completion activities. During well production there are continuous emissions from separators, oil storage tanks, dehydration units, and daily tailpipe and fugitive dust emissions from operations traffic.	Stephanie Howard	03/05/07
NP	Areas of Critical Environmental Concern	None present as per Vernal Field Office RMP and ROD and GIS layer review.	Stephanie Howard	04/07/10
PI	Cultural Resources	Based on applicant committed measures to avoid all eligible cultural resources, no direct impacts are expected as a result of the Proposed Action. Indirect impacts could occur from increased access and human activity within the Tumbleweed II Project Area.	Blaine Phillips	03/05/07
NP	Environmental Justice	No minority or economically disadvantaged communities or populations are present which could be affected by the Proposed Action or alternatives.	Stephanie Howard	04/07/10
NP	Farmlands (Prime or Unique)	None present in the Vernal Field Office.	Stephanie Howard	04/07/10
NP	Floodplains	No mapped floodplains present as per Vernal Field Office GIS.	Karl Wright	03/05/07
PI	Invasive, Non-native Species	A pre-construction noxious weed inventory would be necessary to disclose what is present in the Tumbleweed II Project Area. Weed free certified seed would be needed for reclamation. Potential for invasive plants and weeds to occur or increase in density when soils are displaced or disturbed. A Pesticide Use Permit (PUP) will be necessary to apply chemicals on public lands for weed control.	Mark Stavropolous	03/05/07
NI	Native American Religious Concerns	Tribal consultation was completed for three of the proposed wells in this EA and no religious concerns were raised within this Area of Potential Effect (APE). See Table 5-1 for additional information on Native American consultation.	Blaine Phillips	03/05/07

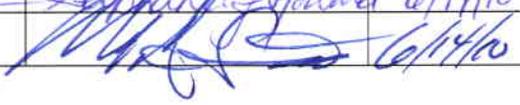
Determination	Resource / Issue	Rationale for Determination*	Signature	Date
PI	Threatened, Endangered or Candidate Animal Species	Mexican Spotted Owl habitat is present within the Project Area. Water depletion is anticipated to occur and would impact Colorado pikeminnow, humpback chub, razorback sucker, bonytail.	Brandon McDonald	03/05/07
NP	Threatened, Endangered or Candidate Plant Species	No T&E species occurrence in Tumbleweed II Project Area.	Clayton Newberry	03/05/07
NI	Wastes (hazardous or solid)	All trash would be picked up and disposed of at an approved site, most likely the Uintah County landfill. No potentially harmful materials or substances would be left on or in the vicinity of the Tumbleweed II Project Area. No chemicals subject to SARA title III in amounts greater than 10,000 pounds would be used. No extremely hazardous substances as defined in 40 CFR 355 in threshold planning quantities would be used.	Stephanie Howard	03/05/07
PI-Surface NI-Ground	Water Quality (surface/ground)	<p><i>Surface:</i> Increased erosion due to roads, which could cause sediment to enter the Green River. Potential for spills of chemicals into the Green River.</p> <p><i>Ground:</i> Compliance with “Onshore Oil and Gas Order No. 2, Drilling Operations” will assure that the project will not adversely affect groundwater quality. Due to the state-of-the-art drilling and well completion techniques, the possibility of adverse degradation of groundwater quality or prospectively valuable mineral deposits by the Proposed Action will be negligible.</p> <p>Well completion must be accomplished in compliance with “Onshore Oil and Gas Order No. 2, Drilling Operations”. These guidelines specify the following: <i>... proposed casing and cementing programs shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use.</i></p>	John Mayers	03/05/07
NP	Wetlands/Riparian Zones	None present as per the Vernal Field Office GIS Database.	Karl Wright	03/05/07
NP	Wild and Scenic Rivers	None present.	Stephanie Howard	04/07/10
PI	Wilderness	No Wilderness Areas are present in the Project Area. The Winter Ridge WSA is 3 miles to the east of the proposed project, but is not impacted by the proposed project. However, an analysis of potential effects to the Wolf Point non-WSA lands with wilderness characteristics has been added to the EA as a stand-alone resource.	Stephanie Howard	04/07/10

Determination	Resource / Issue	Rationale for Determination*	Signature	Date
PI	County Transportation Plan	Please have the applicant put in Chapter 2 that they will contact the Uintah County Building, Planning and Zoning Department for the necessary County permits, the Road Department when crossing, or encroaching upon County roads for permits and regulations, and the Public Lands Department when upgrading of a County road is necessary. A road maintenance agreement between the County and the Company could also be done. If you have any other questions, please let me know.	Diane Coltharp	05/22/07
PI	Fish and Wildlife including Special Status Species other than FWS Candidate or Listed species (e.g. Migratory Birds)	Sage grouse nesting and leking area. Migratory birds. Crucial habitat for deer and elk.	Brandon McDonald	03/05/07
NI	Fuels/Fire Management	Proposed Action would not hinder suppression actions/access.	Steve Strong	03/05/07
NI	Geology/Mineral Resources	<p>Compliance with existing BLM construction restrictions on slopes and construction design will cause the possibility of the project initiating landslides, other mass movements, or flooding to be unlikely.</p> <p>Natural gas, oil, gilsonite, oil shale, and tar sand are the only mineral resources that could be impacted by the project. Production of natural gas or oil would deplete reserves, but the proposed project allows for the recovery of natural gas and oil per 43 CFR 3162.1(a), under the existing Federal lease. Compliance with "Onshore Oil and Gas Order No. 2, Drilling Operations" will assure that the project will not adversely affect gilsonite, oil shale, or tar sand deposits. Due to the state-of-the-art drilling and well completion techniques, the possibility of adverse degradation of tar sand or oil shale deposits by the Proposed Action will be negligible.</p> <p>Well completion must be accomplished in compliance with "Onshore Oil and Gas Order No. 2, Drilling Operations". These guidelines specify the following: <i>proposed casing and cementing programs shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use.</i></p>	M. Wegweiser	03/05/07
NI	Lands/Access	All BLM and County roads would be maintained at present standards and new roads would be constructed to gold book standards and per site specific proposals. No existing land uses would be changed or modified by the implementation of the Proposed Action; therefore, there would be no adverse affect. Right-of-way holders are present in the project area of sections 17, 19, 20, & 21. R/W holders shall be notified by BLM upon site specific proposals.	Cindy McKee	

Determination	Resource / Issue	Rationale for Determination*	Signature	Date
PI	Livestock Grazing	Cattleguard maintenance/upgrade, increased traffic impact, increased trespass of cattle on sheep allotments due to additional roads (breach of topographic boundaries). Fence maintenance due to pipelines.	Mark Stavropolous	03/05/07
NI	Paleontology	Renegade Tongue of the Wasatch Formation contains at least one known site within 1 mile of a portion of the Proposed Action.	M. Wegweiser	03/05/07
PI	Rangeland Health Standards and Guidelines	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. The 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). See the resource specific sections for more details.	Mark Stavropolous	03/05/07
PI	Recreation	Area still retains broad panoramas of natural landscapes. Increase roads would provide increased access to motorized uses. Maintenance and service vehicle use would increase along with subsequent dust, noise, and increased wildlife collisions. Limited entry elk and deer hunts. Successful drawing for this Book Cliffs Bitter Creek South unit is approx. 15 years. High expectations of harvesting a mature 5 year+ old elk bull. Landowner tags presently selling for \$12,000 bull elk and \$5,000 for buck deer. The Proposed Action and indirect impacts of increased vehicle traffic could increase the difficulty in locating deer and elk and therefore diminish hunting success (probably more cumulative than directly related to this project).	Stephanie Howard	04/07/10
PI	Sagebrush Restoration Project	BLM recently completed restoration work in the Tumbleweed II Project Area.	Steve Strong	03/05/07
NI	Socioeconomics	The local economy would not be affected.	Stephanie Howard	03/05/07
PI	Soils	Removal and disturbance of soils. Disturbance of soils could lead to increased erosion, sediment yield, and impacts to biological soil crusts.	Steve Strong	03/05/07
PI	Vegetation including Special Status Species other than FWS Candidate or Listed species	Disturbance and removal of native vegetation.	Clayton Newberry	03/05/07

Determination	Resource / Issue	Rationale for Determination*	Signature	Date
PI	Visual Resources	The Tumbleweed II Project Area is designated Visual Resource Management (VRM) Class III in the Vernal Field Office ROD and Approved RMP (BLM 2008a). The Wolf Point area was found to have naturalness in a April 25, 2007 VFO interdisciplinary review	Stephanie Howard	12/5/08
PI	Waters of the U.S. (USACE)	A few ephemeral drainages are located in the Tumbleweed II Project Area. Several will be crossed for access roads and pipelines. These crossings appear to qualify for Nationwide General Permit.	Sue Nall	03/05/07
PI	Wild Horses and Burros	Disturbance of vegetation could reduce available AUMS for wild horses. Construction activities could temporarily cause wild horses to forage in adjacent, undisturbed areas, causing increased grazing impacts. Pipeline could impact the gathering of horses.	Dusty Carpenter	12/05/08
PI	Woodland/Forestry	Commercial woodlands and forests are present.	Steve Strong	03/05/07
NP	BLM natural areas	None present per Vernal Field Office RMP/ROD, 2008.	Stephanie Howard	12/5/08

FINAL REVIEW:

Reviewer Title	Signature	Date	Comments
NEPA/Environmental Coordinator		6/14/10	
Authorized Officer		6/14/10	

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