

KEBO OIL AND GAS, Inc.
CRPC et. al. #B-1 Project
MITIGATION MONITORING AND REPORTING PLAN

Environmental Impact	Mitigation Measures	Timing of Monitoring Requirement	Responsibility for Compliance	Method for Compliance	Enforcement	Checkoff Date/Initials
3.5.3 - Air Quality						
b) Violate any air quality standard or contribute to an existing or projected air quality violation?	Air Quality 1 - All disturbed areas, including storage piles, which are not being actively used for construction purposes, shall be effectively stabilized using water.	Ongoing during project activities.	Division and KEBO.	Inspection by environmental monitor.	Require as condition of approval.	
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions that exceed quantitative thresholds for ozone precursors?)	Air Quality 2 - Unpaved access roads shall be effectively stabilized of dust emissions using water.	Ongoing during project activities.	Division and KEBO.	Inspection by environmental monitor.	Require as condition of approval.	
	Air Quality 3 - All land clearing, grubbing, scraping, excavation, land leveling, grading, cut and fill, and demolition activities shall be effectively controlled of fugitive dust emissions by using the application of water or by presoaking.	Ongoing during project activities.	Division and KEBO.	Inspection by environmental monitor.	Require as condition of approval.	
	Air Quality 4 - When materials are transported off-site, all material shall be covered, effectively wetted to limit visible dust emissions, or at least six (6) inches of freeboard space from the top of the container shall be maintained.	Ongoing during project activities.	Division and KEBO.	Inspection by environmental monitor.	Require as condition of approval.	
	Air Quality 5 - Following addition of materials to, or removal of materials from the surface of outdoor storage piles, said piles shall be effectively stabilized of fugitive dust emissions by using sufficient water.	Ongoing during project activities.	Division and KEBO.	Inspection by environmental monitor.	Require as condition of approval.	
	Air Quality 6 - Limit of traffic speeds on unpaved access roads to 15mph.	Ongoing during project activities.	Division and KEBO.	Inspection by environmental monitor.	Require as condition of approval.	

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3.5.4 - Biological Resources						
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations or by the California Dept. of Fish & Game or US Fish & Wildlife Service?	<p>Biological 1 - Environmental Awareness Training will be presented to all personnel working in the field on the proposed Project site. Training shall consist of a brief presentation in which a biologist knowledgeable of endangered species biology and legislative protections will explain endangered and threatened species concerns. Training will include a discussion of special-status plants and wildlife species. Species biology, habitat needs, status under the Endangered Species Act, and protection under the Migratory Bird Treaty Act will be discussed. In addition, measures being incorporated for the protection of these species and their habitats will also be discussed.</p> <p>Biological 2 - A biological pre-disturbance survey of the proposed Project will be conducted by a qualified biologist no more than 14 days prior to starting Project activities. If no work occurs within 14 days of surveys, additional surveys may be required so they remain current.</p> <p>a. If no special-status species are identified within the Project site, and conditions have not changed, then construction activities may proceed.</p> <p>b. If special-status species or habitat features (i.e., burrows, dens, nests, etc.) are observed during pre-disturbance surveys, additional surveys may be required, and other avoidance and mitigation measures may apply.</p>	<p>Prior to initiation of construction activities.</p> <p>Prior to initiation of construction activities.</p>	<p>Division and KEBO.</p> <p>Division and KEBO.</p>	<p>Sign in sheets for Environmental Awareness Training will be provided to the Division upon completion..</p> <p>Submission of pre-disturbance survey report to Division.</p>	<p>Require as condition of approval.</p> <p>Require as condition of approval.</p>	

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	<p>Biological 3 - If ground disturbing activities are planned to occur during the breeding season of migratory bird or raptor species (February through mid-September), surveys for nesting birds will be conducted in the Project. Pre-disturbance surveys for nesting birds will be conducted by a qualified biologist no more than 14 days prior to the start of Project activities. If Project activities do not commence within 14 days of nesting bird surveys, additional surveys may be required to remain current.</p> <p>a. If no active nest(s) are found in the Project or buffer areas, then Project activities may proceed, and no further mitigation measures will be required.</p> <p>b. If active nest(s) of migratory birds and non-listed raptors are found, then exclusion zones will be established a minimum of 250-feet around a nest. Project activities will avoid disturbance within the exclusion zone during the nesting season.</p>	Prior to initiation of construction activities.	Division and KEBO.	Site inspection by environmental monitor.	Require as condition of approval.	
	<p>Biological 4 - A qualified biologist will be present during initial surface disturbance to serve as a biological monitor for the Project.</p>	During initial surface disturbance.	Division and KEBO.	Site inspection by environmental monitor.	Require as condition of approval.	
	<p>Biological 5 - Project site boundaries shall be clearly delineated by stakes and /or flagging to minimize inadvertent degradation or loss of adjacent lands during Project operations. Staff and/or its contractors shall post signs and/or place fencing around the proposed Project site to restrict access of vehicles and equipment outside the Project boundary.</p>	Prior to initiation of construction activities and ongoing during project activities.	Division and KEBO.	Site inspection by environmental monitor.	Require as condition of approval.	

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	Biological 6 - A Project representative will establish restrictions on Project-related traffic to approved access routes and the proposed well site. Off-road traffic outside of the designated Project area is prohibited.	Prior to initiation of construction activities and ongoing during project activities.	Division and KEBO.	Site inspection by environmental monitor.	Require as condition of approval.	
	Biological 7 - Project-related traffic shall observe a 20 mph speed limit, except on County roads and State highways to avoid impacts to special-status wildlife species.	Ongoing during project activities.	Division and KEBO.	Site inspection by environmental monitor.	Require as condition of approval.	
	Biological 8 - Hazardous materials, fuels, lubricants, and solvents that spill accidentally during project-related activities shall be cleaned up and removed from the proposed Project site as soon as possible according to applicable federal, state and local regulations.	Ongoing during project activities.	Division and KEBO.	Site inspection by environmental monitor.	Require as condition of approval.	
	Biological 9 - All food-related trash items such as wrappers, cans, bottles or food scraps generated during Project activities will be disposed of only in closed containers and regularly removed from the proposed Project site. No deliberate feeding of wildlife will be allowed.	Ongoing during project activities.	Division and KEBO.	Provide trash containers. Site inspection by environmental monitor.	Require as condition of approval.	
	Biological 10 - To prevent harassment or mortality of wildlife species via predation, or destruction of their dens or nests, no domestic pets will be permitted on the Project.	Ongoing during project activities.	Division and KEBO.	Site inspections by environmental monitor.	Require as condition of approval.	
	Biological 11 - KEBO will implement the following measures (measures 11-19) contained in the USFWS's Standardized Recommendations for	Prior to initiation of construction	Division and KEBO.	Site inspections by environmental monitor.	Require as condition of approval.	

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	<p>Protection of the Endangered San Joaquin Kit Fox Prior to or During Ground Disturbance (USFWS 2011):</p> <p>a. For kit fox dens within 200 feet of proposed construction area(s), exclusion zones will be established prior to construction by a qualified biologist. Exclusion zones will be roughly circular with a radius of the following distances measured outward from the entrance:</p> <table> <tr> <td>Potential den</td> <td>50 feet</td> </tr> <tr> <td>Atypical den</td> <td>50 feet</td> </tr> <tr> <td>Known den</td> <td>100 feet</td> </tr> <tr> <td>Natal/pupping den</td> <td>***</td> </tr> </table> <p>***USFWS and CDFW must be contacted (occupied and unoccupied)</p> <p>b. Protective exclusion zones can be placed around all known and potential dens which occur outside the project footprint (conversely, the project boundary can be demarcated).</p> <p>c. To ensure protection of known dens, exclusion zones should be demarcated by fencing that encircles each den at the appropriate distance and does not prevent access to the den by kit foxes. Acceptable fencing includes untreated wood particle board, silt fencing, or orange construction fencing, as long as it has opening for kit fox ingress/egress and keeps humans and equipment out.</p>	Potential den	50 feet	Atypical den	50 feet	Known den	100 feet	Natal/pupping den	***	activities and ongoing during project activities.				
Potential den	50 feet													
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	<p>d. Exclusion zone barriers shall be maintained until all construction related or operational disturbances have been terminated. At that time all fencing shall be removed to avoid attracting subsequent attention to the dens.</p> <p>e. For potential and/or atypical dens, placement of 4-5 flagged stakes 50 feet from the den entrance(s) will suffice to identify the den location; fencing will not be required, but the exclusion zone must be observed.</p> <p>f. Only essential vehicle operation on existing roads and foot traffic should be permitted. Otherwise, all construction, vehicle operation, material storage, or any type of surface-disturbing activity should be prohibited or greatly restricted within the exclusion zones.</p>					
	<p>Biological 12 - If a natal/pupping den is discovered within the proposed Project site or within 200-feet of the Project boundaries, the USFWS and CDFW shall be immediately notified and under no circumstances should the den be disturbed or destroyed without prior authorization. If the pre-disturbance survey reveals an active natal pupping den or new information, KEBO should contact the USFWS and CDFW immediately for guidance.</p>	Prior to initiation of construction activities and ongoing during project activities.	Division and KEBO.	Site inspection by environmental monitor.	Require as condition of approval.	
	<p>Biological 13 - Destruction of any known or natal/pupping kit fox den requires take authorization/permit from the USFWS and CDFW.</p>	Ongoing during project activities.	Division and KEBO.	Site inspection by environmental monitor.	Require as condition of approval.	

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	<p>Limited destruction of kit fox dens may be allowed, if avoidance is not a reasonable alternative, provided the following procedures are observed:</p> <ul style="list-style-type: none"> a. Known dens occurring within the footprint of the Project must be monitored for three (3) consecutive days with tracking medium or an infra-red camera beam to determine the current use. If no kit fox activity is observed during this period, the den(s) should be destroyed immediately to preclude subsequent use. b. If kit fox activity is observed at the den(s) during this period, the den(s) should be monitored for at least five (5) consecutive nights from the time of the observation to allow any resident animal to move to another den during its normal activity. Only when the den(s) are determined unoccupied may the den(s) be excavated. c. Destruction of the den(s) should be accomplished by careful excavation until it is certain that no kit foxes are inside. The den(s) should be fully excavated, filled with dirt and compacted to ensure that kit foxes cannot reenter to use the den(s) during the construction period. If at any point during excavation, a kit fox is discovered inside the den(s), the excavation activity shall cease immediately and monitoring the den as described above should resume. Destruction of the den(s) may be completed when, in the judgment of the biologist, the 					

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	<p>animal has escaped without further disturbance, from the partially destroyed den(s).</p> <p>Biological 14 - Potential dens occurring within the footprint of the project or within 50 feet must be monitored for three (3) consecutive days with tracking medium or an infra-red camera beam to determine the current use. If no kit fox activity is observed during this period, the den(s) should be destroyed immediately to preclude subsequent use.</p> <p>Biological 15 - Destruction of the den(s) should be accomplished by careful excavation until it is certain that no kit foxes are inside. The den(s) should be fully excavated, filled with dirt and compacted to ensure that kit foxes cannot reenter to use the den during the construction period. If at any point during excavation, a kit fox is discovered inside the den(s), the excavation activity shall cease immediately and monitoring the den(s) should resume, as described above. Destruction of the den may be completed when, in the judgment of the biologist, the animal has escaped without further disturbance, from the partially destroyed den.</p> <p>Biological 16 - If any kit fox den is considered to be a potential den, but is later determined during monitoring or destruction to be currently, or previously used by kit fox (e.g., if kit fox sign is found inside), then all construction activities shall cease and the USFWS and CDFW shall be notified immediately.</p>	<p>Ongoing during project activities.</p> <p>Ongoing during project activities.</p> <p>Ongoing during project activities.</p>	<p>Division and KEBO.</p> <p>Division and KEBO.</p> <p>Division and KEBO.</p>	<p>Site inspections by environmental monitor.</p> <p>Site inspections by environmental monitor.</p> <p>Site inspection by environmental monitor.</p>	<p>Require as condition of approval.</p> <p>Require as condition of approval.</p> <p>Require as condition of approval.</p>	

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	<p>Biological 17 - To prevent entrapment of animals during construction, all excavated steep-walled holes or trenches less than five (5) feet in depth will be covered at the close of each working day with plywood or similar material. For trenches that cannot be closed daily, one or more escape ramps constructed of earthen fill or wooden planks no less than 10 inches in width will be installed and secured to the top for stability. Ramps will be located at no greater than 1,000-foot intervals (for pipelines and trenches) and at no less than 45-degree angles. All excavations greater than five (5) feet in depth will be covered at the end of each work day and when not being worked on. All covered and open excavations will be inspected at the beginning and end of each day (including non-work days).</p>	Ongoing during project activities.	Division and KEBO.	Site inspection by environmental monitor.	Require as condition of approval.	
	<p>Biological 18 - Immediately before such holes or trenches are filled, they will be thoroughly inspected for trapped animals. Any animals discovered that do not escape on their own immediately will be removed from the trench or hole by a qualified biologist and allowed to escape unimpeded. All discoveries of special-status animals in excavations or trenches will be reported to the CDFW and/or USFWS within 24 hours of the discovery.</p>	Ongoing during project activities.	Division and KEBO.	Site inspection by environmental monitor.	Require as condition of approval.	
	<p>Biological 19 - All pipes, culverts, or similar structures stored at the proposed Project overnight having a diameter of four (4) inches or greater will be inspected thoroughly for wildlife species before being buried, capped, or otherwise used or moved in any way. Pipes laid in trenches overnight will be capped. If during Project implementation a wildlife</p>	Ongoing during project activities.	Division and KEBO.	Site inspection by environmental monitor.	Require as condition of approval.	

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	<p>species is discovered inside a pipe, that segment of pipe will not be moved or, if necessary, moved only once to remove it from the path of Project activity, until the wildlife species has escaped.</p> <p>Biological 20 - KEBO should designate a Project representative as the contact for any employee or contractor who finds a dead, injured, or entrapped special-status wildlife species. If any special-status species or migratory birds are found dead, injured, or entrapped in the proposed Project site, the CDFW and/or USFWS will be notified within 24 hours.</p> <p>Biological 21 - KEBO shall have a qualified biologist conduct focused surveys for American badger and their requisite habitat features (dens) to evaluate potential impacts resulting from ground- and vegetation-disturbance.</p> <p>Biological 22 – If American badger is identified during focused surveys, avoidance whenever possible via delineation and observation of a minimum 50-foot no-disturbance buffer around dens will be required until it is determined through non-invasive means that individuals occupying the den have dispersed.</p> <p>Biological 23 – If avoidance of any American badger den cannot be avoided, the USFWS and CDFW shall be contacted immediately to identify any additional measures, included but not limited to acquisition of take authorization/permit.</p>	<p>Prior to initiation of and ongoing during project activities.</p> <p>Prior to initiation of construction activities.</p> <p>Prior to initiation of and ongoing during project activities.</p> <p>Prior to initiation of and ongoing during project activities.</p>	<p>Division and KEBO.</p> <p>Division and KEBO.</p> <p>Division and KEBO.</p> <p>Division and KEBO.</p>	<p>Site inspection by environmental monitor.</p> <p>Submission of pre-disturbance survey report to Division.</p> <p>Site inspections by environmental monitor.</p> <p>Site inspections by environmental monitor.</p>	<p>Require as condition of approval.</p> <p>Require as condition of approval.</p> <p>Require as condition of approval.</p> <p>Require as condition of approval.</p>	

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3.5.5 - Cultural Resources						
a. Cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5?	Cultural 1 - In the unlikely event archeological resources are identified on the project site, all ground disturbing activities would cease, and a qualified archaeologist would be retained by KEBO to assess the significance of any find. The archaeologist would have the authority to stop or divert the construction excavation as necessary. The archaeologist would evaluate the find in conformance with section 15064.5 of CEQA Guidelines. A plan to mitigate any adverse impacts would be prepared by the archaeologist and contain procedures to follow. Work may proceed on the site once evaluation of the find is complete.	Ongoing during project activities.	Division and KEBO.	Include archeological awareness in environmental awareness training.	Require as condition of approval.	
b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?						
c. Directly or indirectly destroy a unique paleontological resources or site or unique geologic feature?	Cultural 2 - In the unlikely event paleontological resources are identified on the project site, a qualified paleontologist would be retained by KEBO to assess the significance of any find and would have the authority to stop or divert the construction excavation as necessary. A plan to mitigate any adverse impacts would be prepared by the paleontologist and contain procedures to follow. Work may proceed on the site once evaluation of the find is complete.	Ongoing during project activities.	Division and KEBO.	Include paleontological/ archeological awareness in environmental awareness training.	Require as condition of approval.	
d. Disturb any human remains, including those interred outside of formal cemeteries?	Cultural 3 - In the unlikely event human remains are discovered during construction of the project site, site personnel would contact the County Coroner and stop work as required by Public Resources Code §5097.98-99 and Health and Safety Code §7050.5. If the remains are determined to be Native American, the County Coroner would notify the NAHC in accordance with PRC §5097.98.	Ongoing during project activities.	Division and KEBO.	Include archeological awareness in environmental awareness training.	Require as condition of approval.	

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	KEBO shall, in consultation with the identified descendants of the remains and/or NAHC, identify the appropriate measures for treatment or disposition of the remains.					
3.5.8 - Hazards & Hazardous Materials						
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials? b. Create a significant hazard to public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	Hazards 1 - All hazardous materials such as diesel fuel shall be stored according to the California Code of Regulations (CCR) Title 22, 23, 26 & 27 and California Fire Codes (CFR) Title 24 and Tulare County General Plan. Material Safety Data Sheets shall be on each site. Hazardous waste materials shall be managed properly in accordance with requirements that comply with or given authority by the Code of Federal Regulations (40 CFR) and refined in California through CCR, Title 14, 22, 23, 26 & 27. Training shall be provided to all personnel involved in handling of hazardous materials/waste.	Ongoing during project activities.	Division and KEBO.	Include handling of hazardous materials/wastes training in environmental awareness training. Inspection by environmental monitor.	Require as condition of approval.	
	Hazards 2 - In order to minimize potential impacts associated with a blowout, KEBO shall comply with CCR Title 14, Division 2, Chapter 4, Articles 3 and 4, specifically Article 4, Sections 1941-1942. Requirements for well casing design and blowout prevention equipment are regulated by the Division. Division engineers shall be notified for required tests and other operations.	Ongoing during drilling and testing activities for each well.	Division and KEBO.	Inspection by Division.	Require as a condition of approval.	
	Hazards 3 - All above ground storage tanks will be located within a bermed area, which provides a storage volume of at least 110% of the storage volume of the largest tank. Daily inspections of the above ground storage tanks will be conducted and an inspection log will be maintained for review by	Ongoing during project activities.	Division and KEBO.	Inspection of environmental monitor.	Require as a condition of approval.	

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	<p>regulatory agency personnel. The inspection log will also document corrective actions taken, if necessary.</p> <p>Hazards 4 - Fluid disposal shall follow RWQCB regulations (CCR Title 23 Waters).</p> <p>Hazards 5 - If project development uncovers any previously unknown oil, gas, or injection wells, the Division shall be notified. If unrecorded wells are uncovered during excavation or grading, remedial plugging operations may be required.</p>	<p>Ongoing during project activities.</p> <p>Ongoing during project activities.</p>	<p>Division and KEBO.</p> <p>Division and KEBO.</p>	<p>Inspection by environmental monitor</p> <p>Inspection by environmental monitor and notification of Division if unknown wells discovered.</p> <p>Except as where otherwise noted, the environmental monitor shall verify the mitigation measures and send documentation to the Division's CEQA Unit at 801 K Street, MS 18-05, Sacramento, CA 95841</p>	<p>Require as a condition of approval.</p> <p>Require as a condition of approval.</p>	