



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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TECHNICAL FIELD VISIT

DATE: June 22, 1999
DOGM STAFF: Robert Davidson
ATTENDANTS: Chris Hansen, Canyon Fuels
RE: Proposed Water Well Drill Pad Site, Canyon Fuel Company, LLC, Dugout Mine, ACT/007/039, File #2, Carbon County, Utah

Purpose:

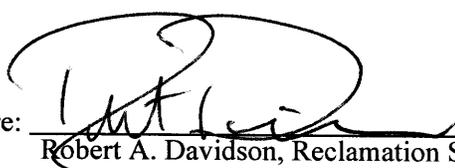
- Visit the proposed water well drill site which is located immediately below the water tank area for the purpose of assessing soil resources and discussing soil salvage options.

Field Observations:

- The water tank area pad has been constructed and the water line from the tank pad to the facilities area has been installed. However, the water tanks have not been constructed, nor has the water well been drilled.
- The water well drill site will require construction of a drill pad that is approximately 100 feet long. The location of the drill site is known, but the exact surveyed boundary still needs to be determined. The location is immediately below the tank pad area. The drill pad will be placed between the existing road and Dugout Creek. Construction will require possible rock gabion structures and imported fills.
- Depending on the exact location and placement of the drill pad, soil salvage of the native soils will be required in one or more places. Soils are variable within the proposed drill site area, ranging from nonexistent, to previously disturbed, to undisturbed. The nonexistent area is dominated by large boulders and rocks. The previously disturbed area is located above the nonexistent area and is a blend of disturbed and undisturbed soils. This area appears to be part of an old road, but has naturally revegetated. The undisturbed area is located below the nonexistent area and is heavily vegetated and appears to be dominated by undisturbed soils. All three areas are riparian habitat.

Recommendations and Conclusions:

- Conduct a soil survey of the proposed water drill site, preparing one or more soil pits depending on the exact size, location and extent of the pad. It is anticipated that a track hoe can reach the lower benches from the existing road shoulder in order to dig the soil pits. Soil pits will be described and characterized according to the standards of the National Corporate Soil Survey.
- Soil salvage will be based on the soil survey and soil pit descriptions. An on-site soil specialist will supervise the soil salvage operations.
- Salvaged soils will be placed in the Dugout Canyon Topsoil Stockpile.

Signature: 
 Robert A. Davidson, Reclamation Specialist III (Soils)

on June 23, 1999

cc: Paul Baker
 Mike Sufliita, STEVE DEMCEAK
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