R 99 W

R 98 W

T 1 S

T 2 S

Proposed 160-Ac R&D Tract

A

A'

DUCK CREEK SYNCLINE

YELLOW CREEK DRAINAGE BASIN

PICEANCE CREEK DRAINAGE BASIN

Limit of Saline Zone

LEGEND

- Water Course
- Black Top Road
- Proposed 160-Ac R&D Tract
- A — A' Cross Section Line
- Structure Contour of Top of R7 Contour Interval = 100 ft
- Surface Syncline Axis
- Surface Anticline Axis
- Limit of Saline Zone

R7-R3 Resource Interval	
Overburden	1,085 Ft.
Thickness	1,120 Ft.
Oil Grade	27.8 Gallons/Ton
Nahcolite Content	~ 7 %
Dawsonite Content	~ 4 %

CORRELATION OF MAP UNITS

DESCRIPTION OF MAP UNITS

ALLUVIUM (HOLOCENE)

Silt, sand, and gravel, of flood plains and alluvial fans in the larger valleys. Flood-plain deposits are mostly gray, buff, and brown silt and sand. Alluvial fan deposits consist of angular boulders and pebbles of sandstone and marlstone mixed with silt and sand derived from nearby hilly terrain. Thin alluvial deposits in the upland tributaries were only locally mapped; although such deposits are extensive, they are difficult to recognize. Thickness 0-100 ft (0-30 m).

UINTA FORMATION (EOCENE)

Unit 6
Ledge-forming buff- and brown-weathering sandstone and interbedded siltstone. Thickness 250 ft (76m).

Unit 5
Dominantly buff-weathering silty marlstone. Thickness 150-300 ft (46-91 m).

Unit 4
Buff- and brown-weathering ledge-forming sandstone. Unit grades laterally into the unnamed tongue of the Green River Formation south of Little Duck Creek, however, remnants are mapped locally. Thickness 0-200 ft (0-61 m).

GREEN RIVER FORMATION (EOCENE)

Black Sulphur Tongue
Light gray to white weathering silty marlstone. Thickness 20-40 ft (6-12 m).

Thirteenmile Creek Tongue
Upper part light gray to white-weathering marlstone. The unit locally contains thin ledge-forming porous oolitoos-charophyte-bearing limestone. The unit contains a few thin dolostone beds. Present only in the northern part of the Wolf Ridge Quadrangle. Thickness 40-60 ft (12-18 m).

Thirteenmile Creek Tongue equivalent
Locally a Thirteenmile Creek equivalent mapped separately where it overlies an unnamed tongue of the Green River Formation.

Unnamed tongue
Light gray-weathering silty marlstone which may be equivalent to the Yellow Creek Tongue and Dry Fork Tongue north of the Wolf Creek Quadrangle boundary. Thickness 0-200 ft (0-61 m).

Geologic Contact
Geologic Contact, approximate
Fault, dashed where inferred; dotted where concealed. U, upthrown side; D, downthrown side.

5,000ft 0 5,000ft
1,500m 0 1,500m
Scale 1: 50,000

EXHIBIT G

GEOLOGY MAP

2nd GENERATION ICP PROJECT

FILE: 2401\TASK 45\MAPS\FINAL\EER2008\EX G GEOLOGY 2.DWG