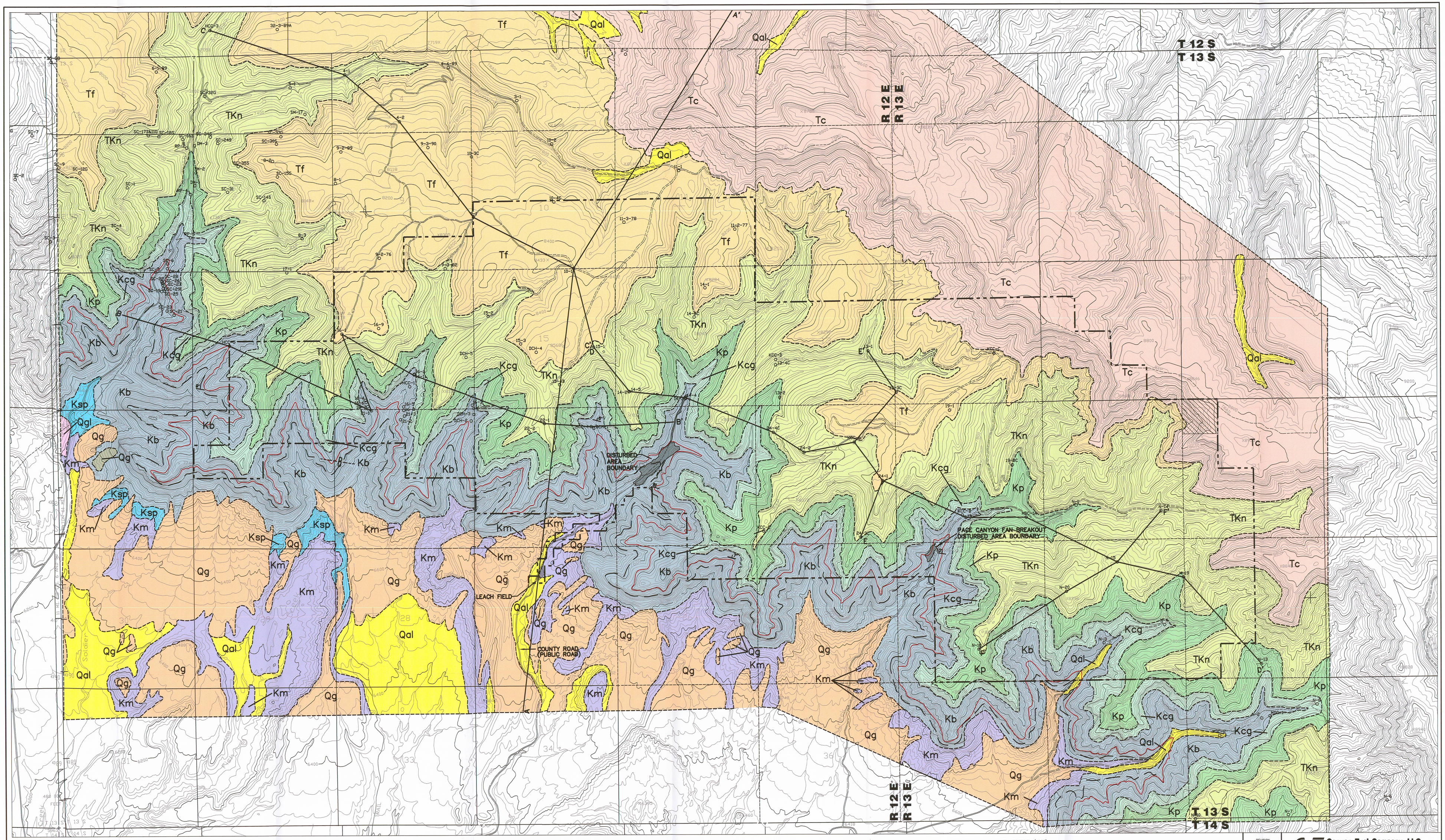

GEOLOGIC MAP BASED ON ANDERSON (1983) & INTRASEARCH (1998).

NOTES:

1. REFER TO REFUSE PILE AMENDMENT AND METHANE DEGASSIFICATION AMENDMENT FOR INFORMATION PERTAINING TO THEIR AREAS.
2. SEE FIGURE 6–1 FOR A–A' CROSS SECTION.
3. SEE PLATE 6–3 FOR B–B' AND C–C' CROSS SECTIONS.
4. SEE PLATE 6–3A FOR D–D' CROSS SECTION.
5. SEE PLATE 6–3B FOR E–E' AND F–F' CROSS SECTIONS.

LEGEND

- PERMIT AREA BOUNDARY
- STRIKE AND DIP
- DRILL HOLE LOCATION
- APPROXIMATE LOCATION OF THE ROCK CANYON COAL SEAM
- ADDITION TO PERMIT AREA
- U/D NORMAL FAULT, DASHED WHERE INFERRED. U, UPTHROWN SIDE D, DOWNTHROWN SIDE
- APPROXIMATE LOCATION OF THE TOP OF THE KENILWORTH SANDSTONE MEMBER OF THE BLACKHAWK FORMATION

QUATERNARY

- Qal ALLUVIUM
- Qg PEDIMENT GRAVELS
- Qgl GRAVELS

TERTIARY

- Tc COLTON FORMATION
- Tf FLAGSTAFF FORMATION

CRETACEOUS

- Kp PRICE RIVER FORMATION
- Kcg CASTLEGATE SANDSTONE
- Kb BLACKHAWK FORMATION
- Ksp STAR POINT SANDSTONE
- Km MANCOS SHALE

TERTIARY–CRETACEOUS

- TKn NORTH HORN FORMATION

REGISTERED PROFESSIONAL ENGINEER No. 151610 DAVID G. SPILLMAN STATE OF UTAH

0' 1000'

REVISION	
DATE	BY
12/29/03	RR
01/26/07	JKS

Canyon Fuel Company, LLC
Soldier Canyon & Dugout Canyon Mines

GEOLOGY OF DUGOUT CANYON MINE PERMIT AREA

RECEIVED MAR 2 2 2007 DIV. OF OIL, GAS & MINING

Dugout Canyon Mine

DRAWN BY: JLP	DATE: MAY 7, 1999 D-444.PCP	SCALE: 1" = 1000'	
APPROVED BY: MWS	FILE NAME: X:\DGOW\Working Files\Dugout\Title\Plate 6-1.dwg	DRAWING OR MAP NUMBER	PLATE 6–1