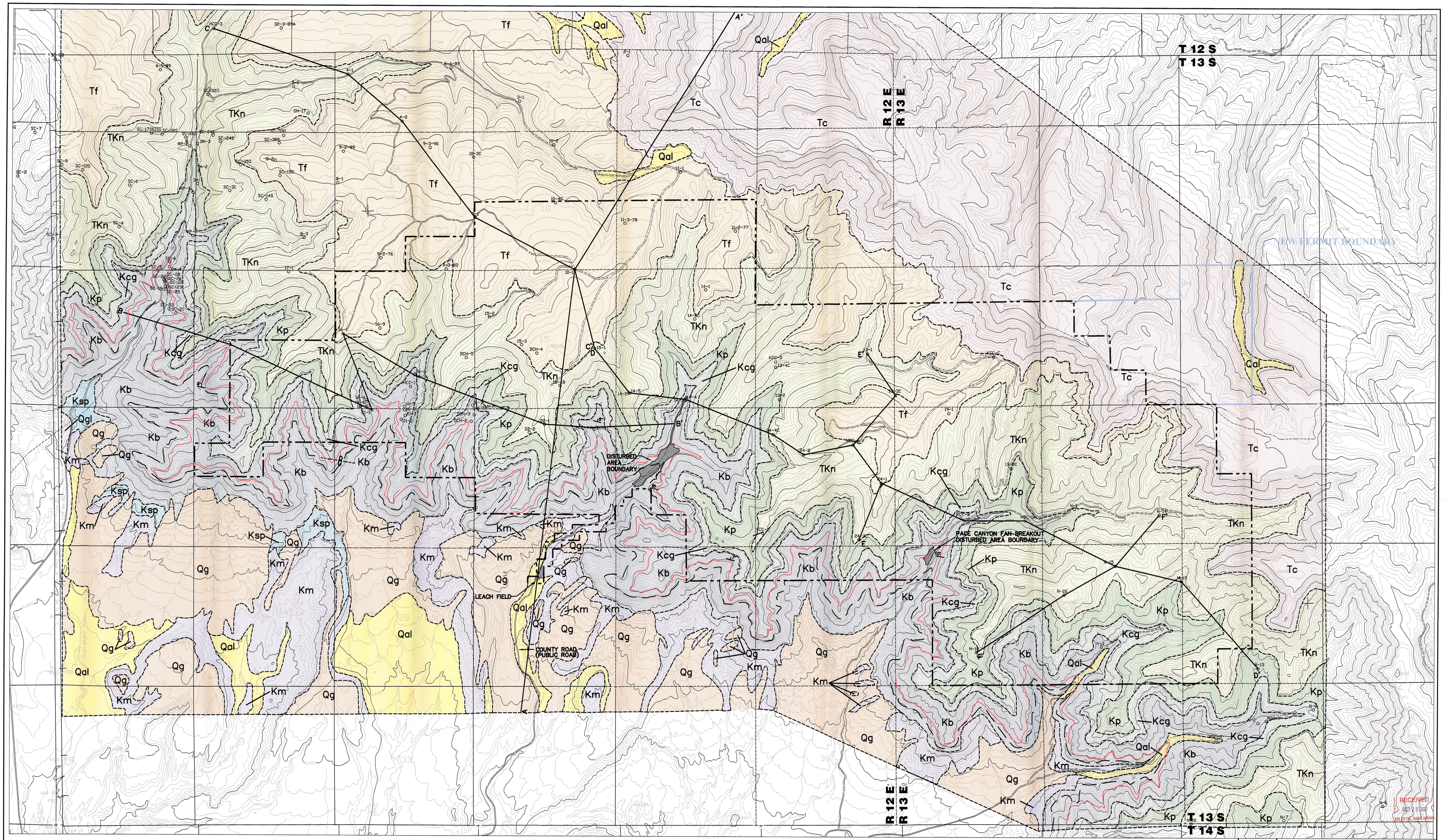

GEOLOGIC MAP BASED ON ANDERSON (1983) & INTRASEARCH (1998).

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 BOUNDARY
- 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

TERTIARY–CRETACEOUS

- TKn NORTH HORN FORMATION

CRETACEOUS

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

REGISTERED PROFESSIONAL ENGINEER No. 151818 DAVID G. SPILLMAN STATE OF UTAH

0' 1000'

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DATE	BY
12/29/03	RR
01/26/07	JKS
10/07/07	SC

Canyon Fuel Company, LLC
Soldier Canyon & Dugout Canyon Mines

GEOLOGY OF DUGOUT CANYON MINE PERMIT AREA

Dugout Canyon Mine

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