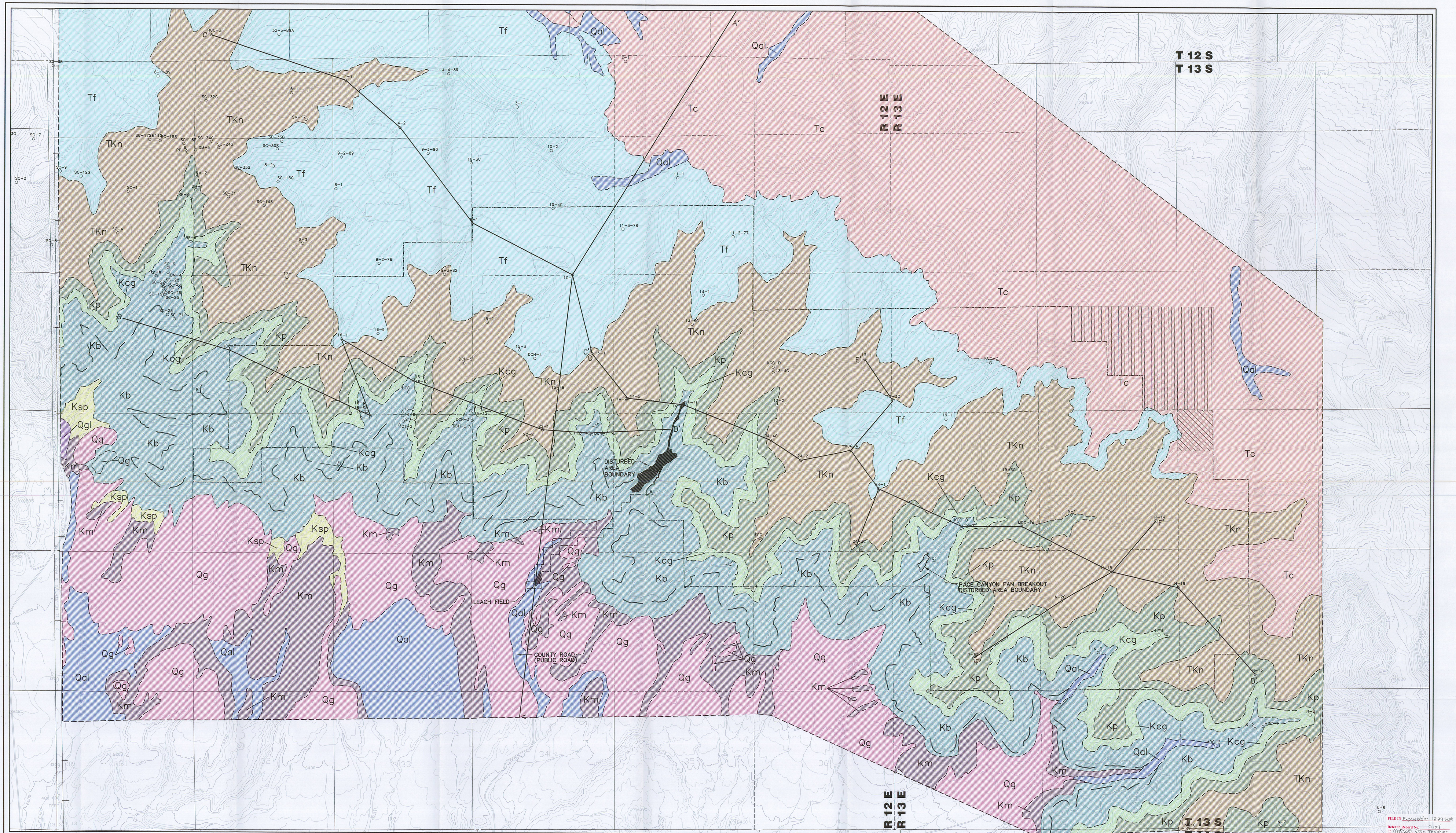

GEOLOGIC MAP BASED ON ANDERSON (1983) & INTRASEARCH (1998).

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

16° STRIKE AND DIP

9-2 DRILL HOLE LOCATION

APPROXIMATE LOCATION OF THE ROCK CANYON COAL SEAM

ADDITION TO PERMIT AREA

FUTURE LEASE MODIFICATION

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. 168246 RICHARD B. WHITE 27 Dec 2006 STATE OF UTAH

0' 1000'

REVISION	
DATE	BY
12/29/03	RR
12/19/06	VSM

Canyon Fuel Company, LLC
Soldier Canyon & Dugout Canyon Mines

GEOLOGY OF DUGOUT CANYON MINE PERMIT AREA

RECEIVED DEC 2 9 2006 DIV OF OIL, GAS & MINING

Dugout Canyon Mine

DRAWN BY: JLP	DATE: MAY 7, 1999	SCALE: 1" = 1000'	
APPROVED BY: MWS	FILE NAME: G:\UC1099\01\DWG\ PLATE 6-1.DWG	DRAWING OR MAP NUMBER	PLATE 6-1

FILE IN Expandable 12 29 2006
Refer to Record No. 0104 in COMDOCS 2006 Incoming for additional information