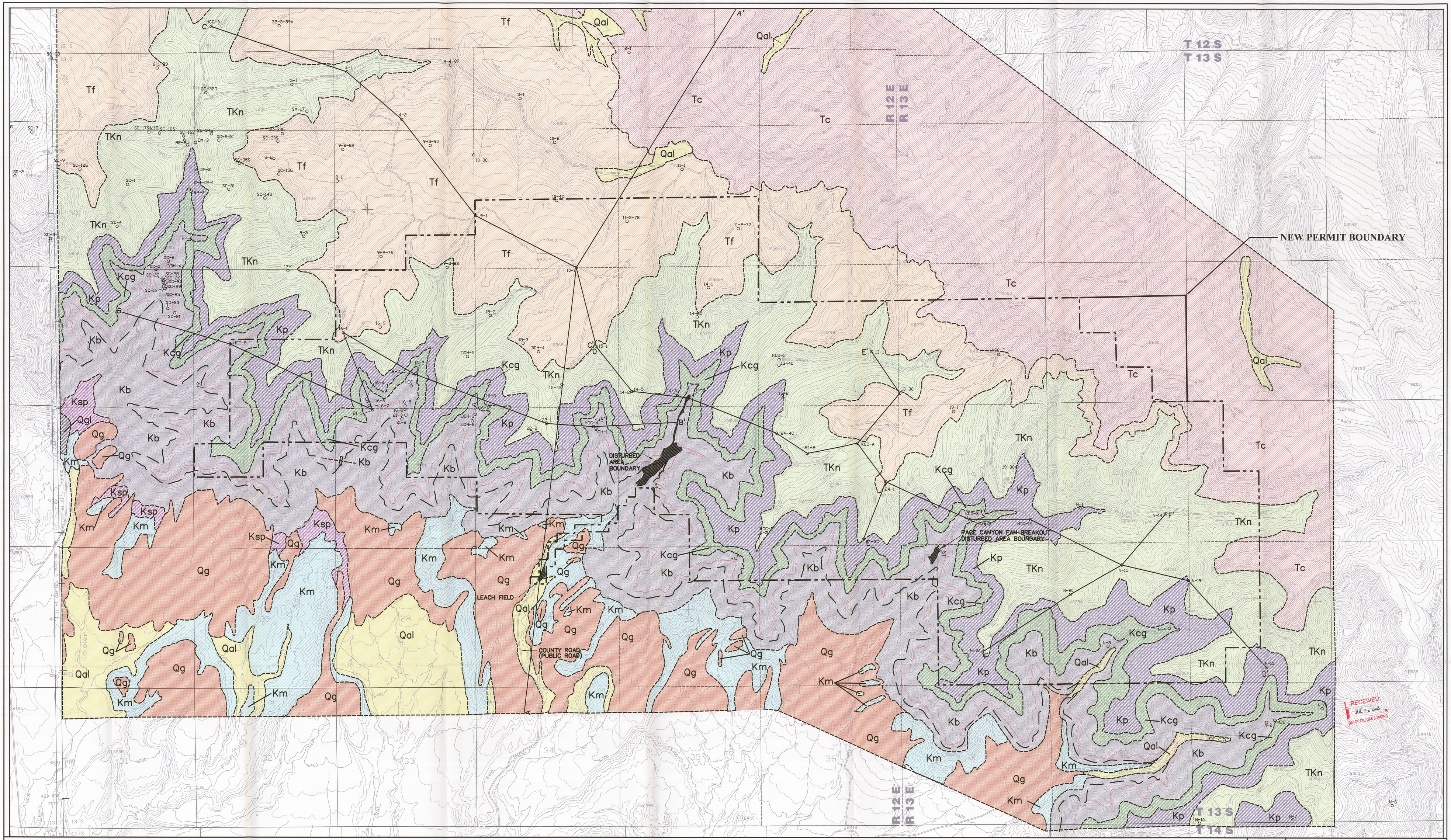

NOTES:

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

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

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

File in: Confidential / Shale / Logs / Bonds
Refer to Record No. ____ Date ____ In C.I.D. ____
For additional information ____

REGISTERED PROFESSIONAL ENGINEER RICHARD B. WHITE No. 166846 STATE OF UTAH

REVISION DATE	BY
12/29/03	RR
01/28/07	JKS
10/07/07	SC
02/21/08	VSH/SWF

Canyon Fuel Company, LLC
Soldier Canyon & Dugout Canyon Mines

RECEIVED APR 1 8 2008 DIV. OF OIL, GAS

GEOLOGY OF DUGOUT CANYON MINE PERMIT AREA

Dugout Canyon Mine

DRAWN BY: JLP	DATE: MAY 7, 1999 D-444.PCP	SCALE: 1" = 1000'	
APPROVED BY: MWS	FILE NAME: K:\2006\Working Files\Dugout\Sitio\Plate 6-1.dwg	DRAWING OR MAP NUMBER	PLATE 6-1