



- EXPLANATION -

- |  |   |   |  |   |
|--|---|---|--|---|
| <p>ALAKI COVER LINE<br/>(COVER INCREASES TO THE NORTH)</p> | <p>2500' COVER LINE<br/>(COVER INCREASES TO THE NORTH)</p>                          | <p>AC-1<br/>5.7</p>   | <p>CONTROL POINT NUMBER<br/>CONTROL POINT SYMBOL<br/>THICKNESS</p> | <p>CODING FOR OUTCROP SECTIONS - N = NETHERCOTT<br/>PBA = ANDERSON<br/>STA = MCCOLEX<br/>(MINE SECTION LOCATIONS NOT SHOWN)</p> |
| <p>ROCK CANYON OVERBURDEN<br/>1500' AND GREATER</p>        | <p>WHIT AREA (BASED ON SURECO'S<br/>SEPTEMBER 1991 REPORT)</p>                      | <p>COAL SEAM OUTCROP (DUE TO THE THIN INTERVAL<br/>BETWEEN COAL SEAMS THE SAME OUTCROP<br/>LINE IS USED FOR BOTH)</p>                     | <p>ALAKI CREEK TRACT BOUNDARY</p>                                  | <p>ISOPACH LINE (THICKNESS IN FEET)</p>   |
| <p>INCIDENTAL BOUNDARY CHANGE<br/>(276 Ac)</p>             | <p>COAL BURN AREA (THE SAME<br/>AREA IS ASSUMED BURNED<br/>FOR BOTH COAL SEAMS)</p> | <p>0.5' PARTING LINE<br/>(HACHURES TOWARD INCREASING THICKNESS)<br/>UP - UPPER PARTING<br/>MP - MIDDLE PARTING<br/>LP - LOWER PARTING</p> | <p>SC3 LEASEHOLD BOUNDARY</p>                                      | <p>30' ROCK CANYON TO GILSON SEAM INTERBURDEN LINE<br/>(HACHURES TOWARD INCREASING THICKNESS)</p>                               |
| <p>ROCK CANYON OVERBURDEN<br/>1200' TO 1500'</p>           | <p>SC3 MINE WORKINGS</p>  |   |  |   |

**RECEIVED**

OCT 25 1995

DIV. OF OIL, GAS & MINING

LICENSED PROFESSIONAL ENGINEER

No. 162604

**BARRY J. BARNUM**

STATE OF UTAH

10-24-95

NO.	DATE	BY	DESIGNED BY	ADD
1	3/15/95	REP	CMK	CMK
			CHECKED BY:	CMK

SCALE: 1" = 2,000'

Coastal States Energy Company  
A SUBSIDIARY OF THE COASTAL CORPORATION  
The Energy People

EXHIBIT 5.21-5  
ROCK CANYON SEAM MINE PLAN

SC3 MINE

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