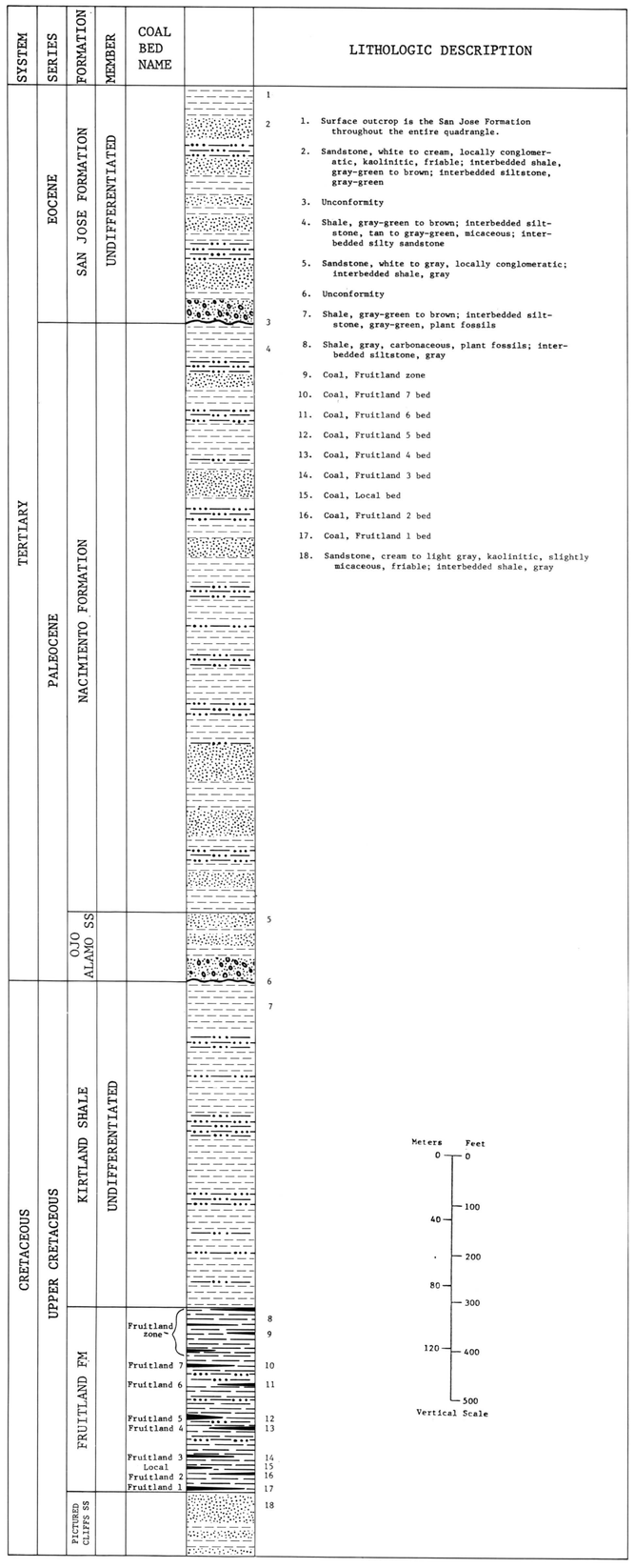
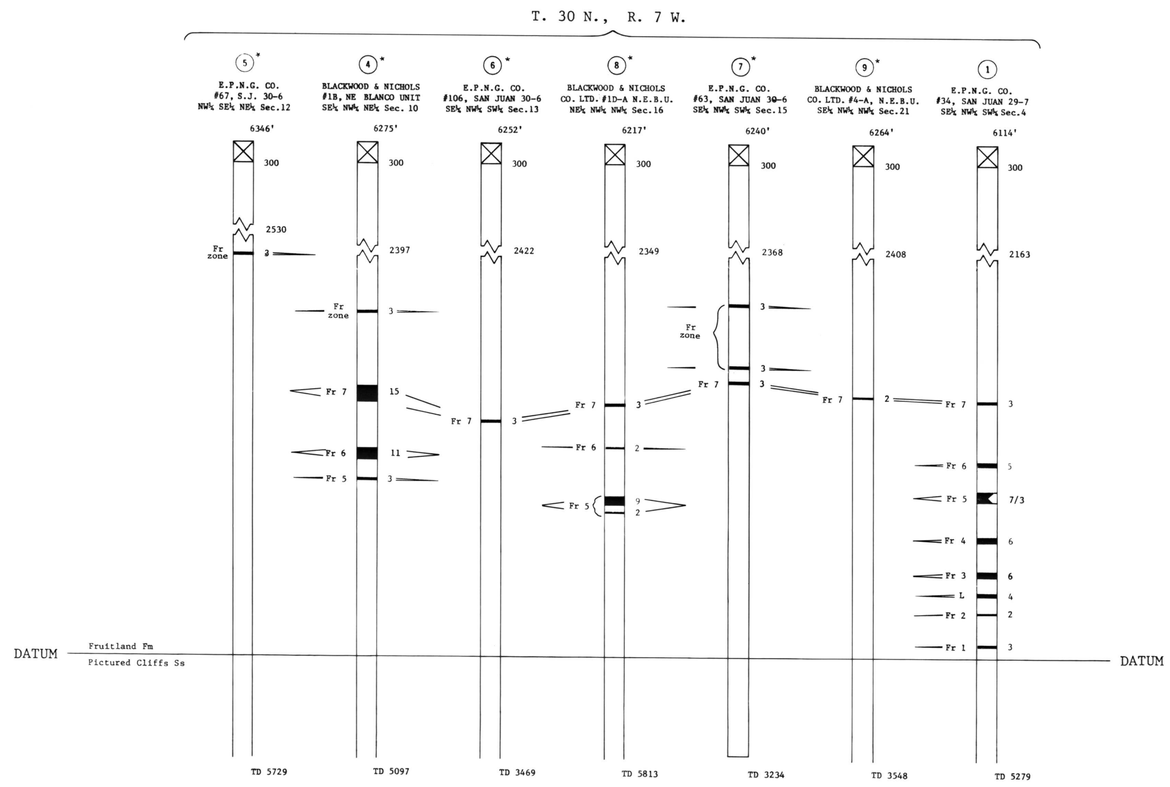
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

## COMPOSITE COLUMNAR SECTION

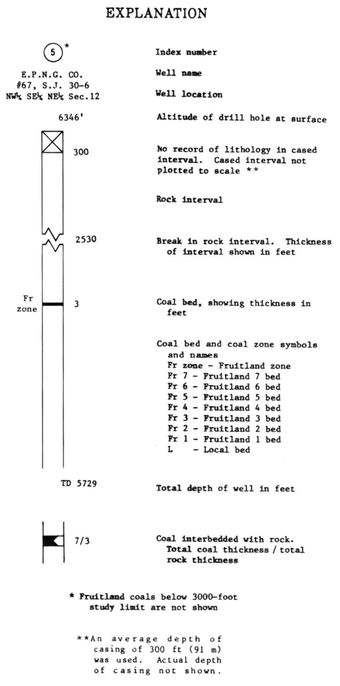



1. Surface outcrop is the San Jose Formation throughout the entire quadrangle.
2. Sandstone, white to cream, locally conglomeratic, kaolinitic, friable; interbedded shale, gray-green to brown; interbedded siltstone, gray-green
3. Unconformity
4. Shale, gray-green to brown; interbedded siltstone, tan to gray-green, micaceous; interbedded silty sandstone
5. Sandstone, white to gray, locally conglomeratic; interbedded shale, gray
6. Unconformity
7. Shale, gray-green to brown; interbedded siltstone, gray-green, plant fossils
8. Shale, gray, carbonaceous, plant fossils; interbedded siltstone, gray
9. Coal, Fruitland zone
10. Coal, Fruitland 7 bed
11. Coal, Fruitland 6 bed
12. Coal, Fruitland 5 bed
13. Coal, Fruitland 4 bed
14. Coal, Fruitland 3 bed
15. Coal, Local bed
16. Coal, Fruitland 2 bed
17. Coal, Fruitland 1 bed
18. Sandstone, cream to light gray, kaolinitic, slightly micaceous, friable; interbedded shale, gray

## CORRELATION OF COAL BEDS IN DRILL HOLES

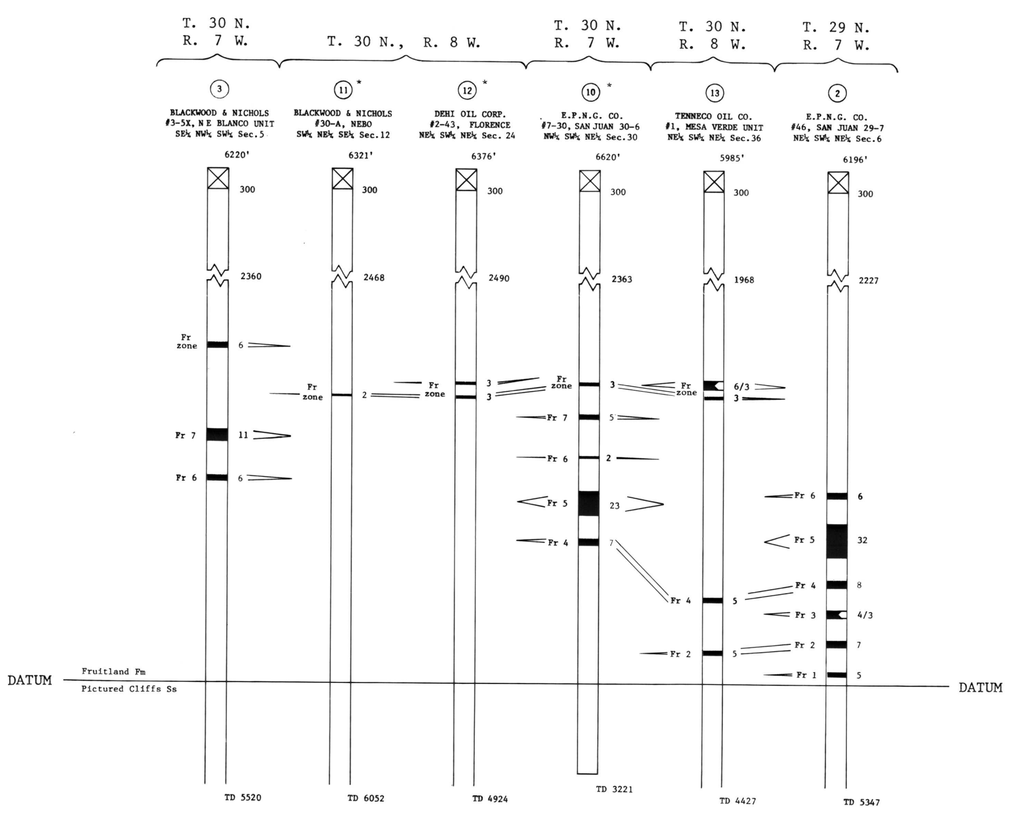


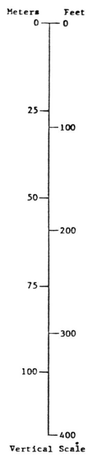

## EXPLANATION




* Fruitland coals below 3000-foot study limit are not shown

**An average depth of casing of 300 ft (91 m) was used. Actual depth of casing not shown.




# COAL RESOURCE OCCURRENCE MAP OF THE PINE RIVER QUADRANGLE, RIO ARRIBA AND SAN JUAN COUNTY, NEW MEXICO

BY
DAMES & MOORE

1979

OPEN FILE REPORT 79-1120
PLATE 3 OF 31

This map was prepared under contract to the U.S. Geological Survey and has not been edited for conformity with Geological Survey editorial standards or nomenclature. Opinions expressed herein do not necessarily represent those of the Geological Survey.

PLATE 3
COAL DATA SHEET

Compiled in 1979