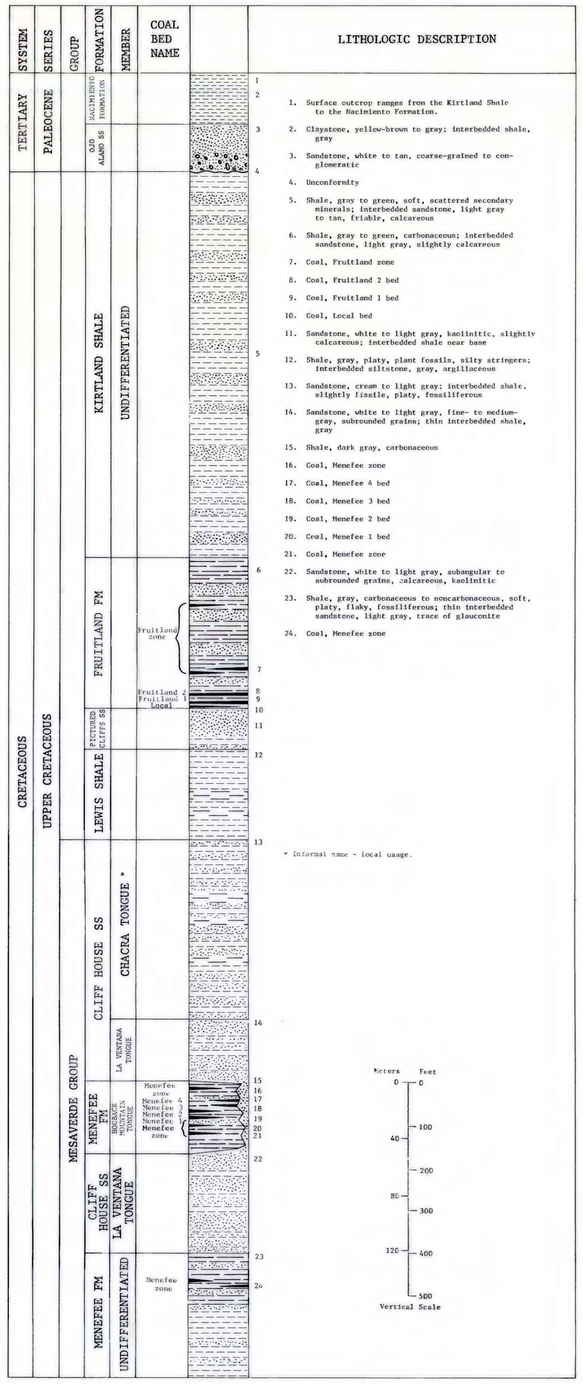
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

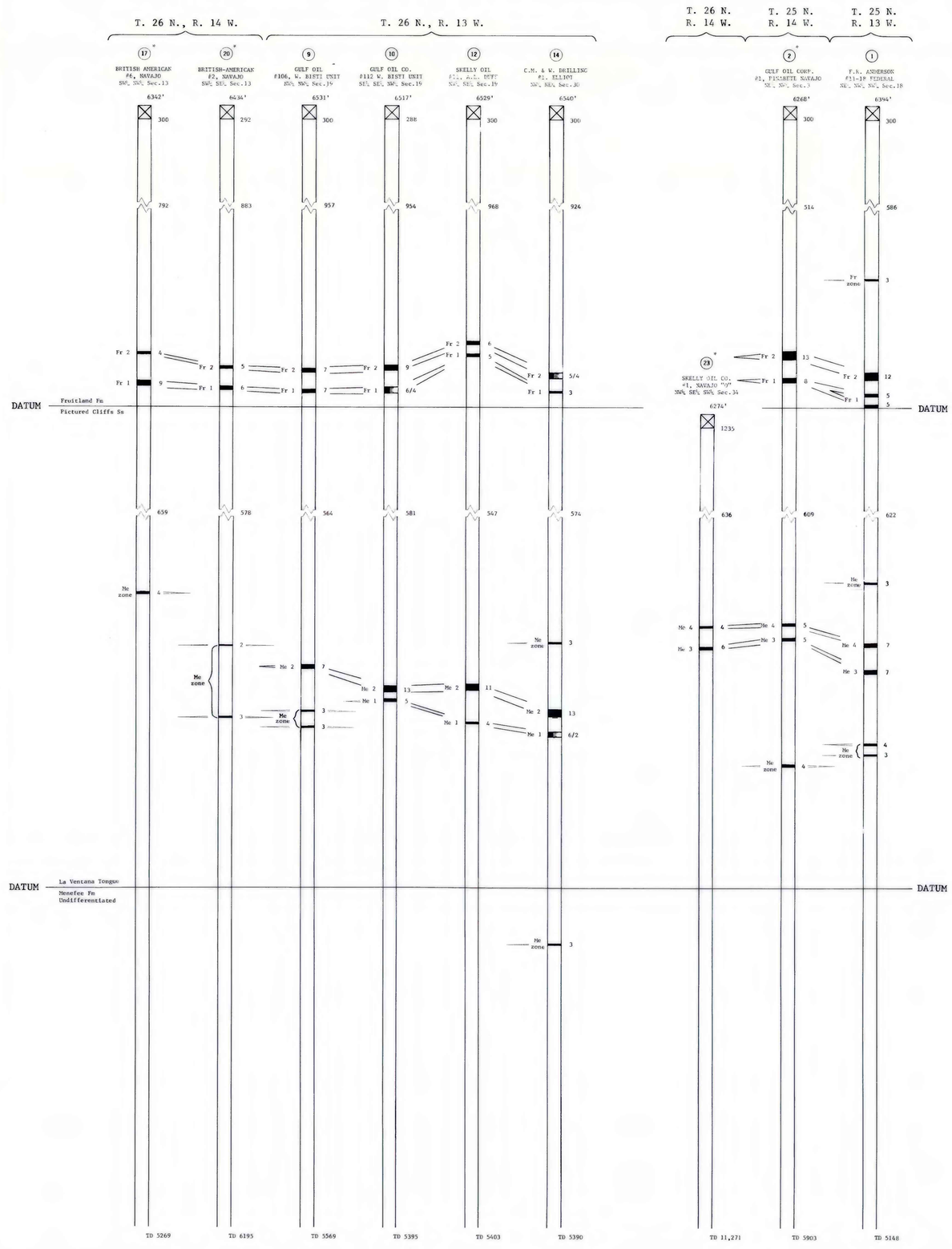
COMPOSITE COLUMNAR SECTION



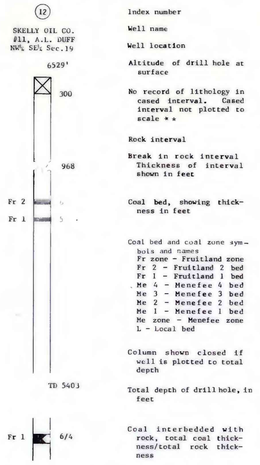
1. Surface outcrop ranges from the Kirtland Shale to the Nacimiento Formation.
2. Claystone, yellow-brown to gray; interbedded shale, gray
3. Sandstone, white to tan, coarse-grained to conglomeratic
4. Unconformity
5. Shale, gray to green, soft, scattered secondary minerals; interbedded sandstone, light gray to tan, friable, calcareous
6. Shale, gray to green, carbonaceous; interbedded sandstone, light gray, slightly calcareous
7. Coal, Fruitland zone
8. Coal, Fruitland 2 bed
9. Coal, Fruitland 1 bed
10. Coal, Local bed
11. Sandstone, white to light gray, kaolinitic, slightly calcareous; interbedded shale near base
12. Shale, gray, platy, plant fossils, silty stringers; interbedded siltstone, gray, argillaceous
13. Sandstone, cream to light gray; interbedded shale, slightly fissile, platy, fossiliferous
14. Sandstone, white to light gray, fine- to medium-gray, subrounded grains; thin interbedded shale, gray
15. Shale, dark gray, carbonaceous
16. Coal, Menefee zone
17. Coal, Menefee 4 bed
18. Coal, Menefee 3 bed
19. Coal, Menefee 2 bed
20. Coal, Menefee 1 bed
21. Coal, Menefee zone
22. Sandstone, white to light gray, subangular to subrounded grains, calcareous, kaolinitic
23. Shale, gray, carbonaceous to noncarbonaceous, soft, platy, flaky, fossiliferous; thin interbedded sandstone, light gray, trace of glauconite
24. Coal, Menefee zone

* Informal name - local usage.

CORRELATION OF COAL BEDS IN DRILL HOLES



EXPLANATION



- 12 — Index number
- SKELLY OIL CO. #11, A.L. DUFF NW¼ SE¼ Sec.19 — Well name; Well location
- 6529' — Altitude of drill hole at surface
- 300 — No record of lithology in cased interval. Cased interval not plotted to scale * *
- 968 — Rock interval; Break in rock interval; Thickness of interval shown in feet
- Fr 2, Fr 1 — Coal bed, showing thickness in feet
- Coal bed and coal zone symbols and names: Fr zone - Fruitland zone; Fr 2 - Fruitland 2 bed; Fr 1 - Fruitland 1 bed; Me 4 - Menefee 4 bed; Me 3 - Menefee 3 bed; Me 2 - Menefee 2 bed; Me 1 - Menefee 1 bed; Me zone - Menefee zone; L - Local bed
- TD 5403 — Column shown closed if well is plotted to total depth; Total depth of drill hole, in feet
- Fr 1, 6/4 — Coal interbedded with rock, total coal thickness/total rock thickness

Menefee coal beds are not formally named, but are designated for identification in this quadrangle only

* Drill hole outside ERCRA boundary, within 3 mile study limit

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

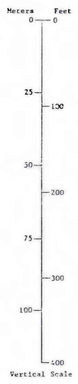


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PLATE 3 OF 28

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COAL RESOURCE OCCURRENCE MAP OF THE PILLAR QUADRANGLE, SAN JUAN COUNTY, NEW MEXICO

BY
DAMES & MOORE

1979

Compiled in 1979

PLATE 3
SHEET 1 OF 2
COAL DATA SHEET