

CORRELATION OF COAL BEDS IN DRILL HOLES

T. 23 N., R. 9 W.

③ GEORGE W. RILEY, INC.  
#1 RILEY-CHARLEY  
SW $\frac{1}{4}$ , SW $\frac{1}{4}$ , NE $\frac{1}{4}$ , Sec. 8

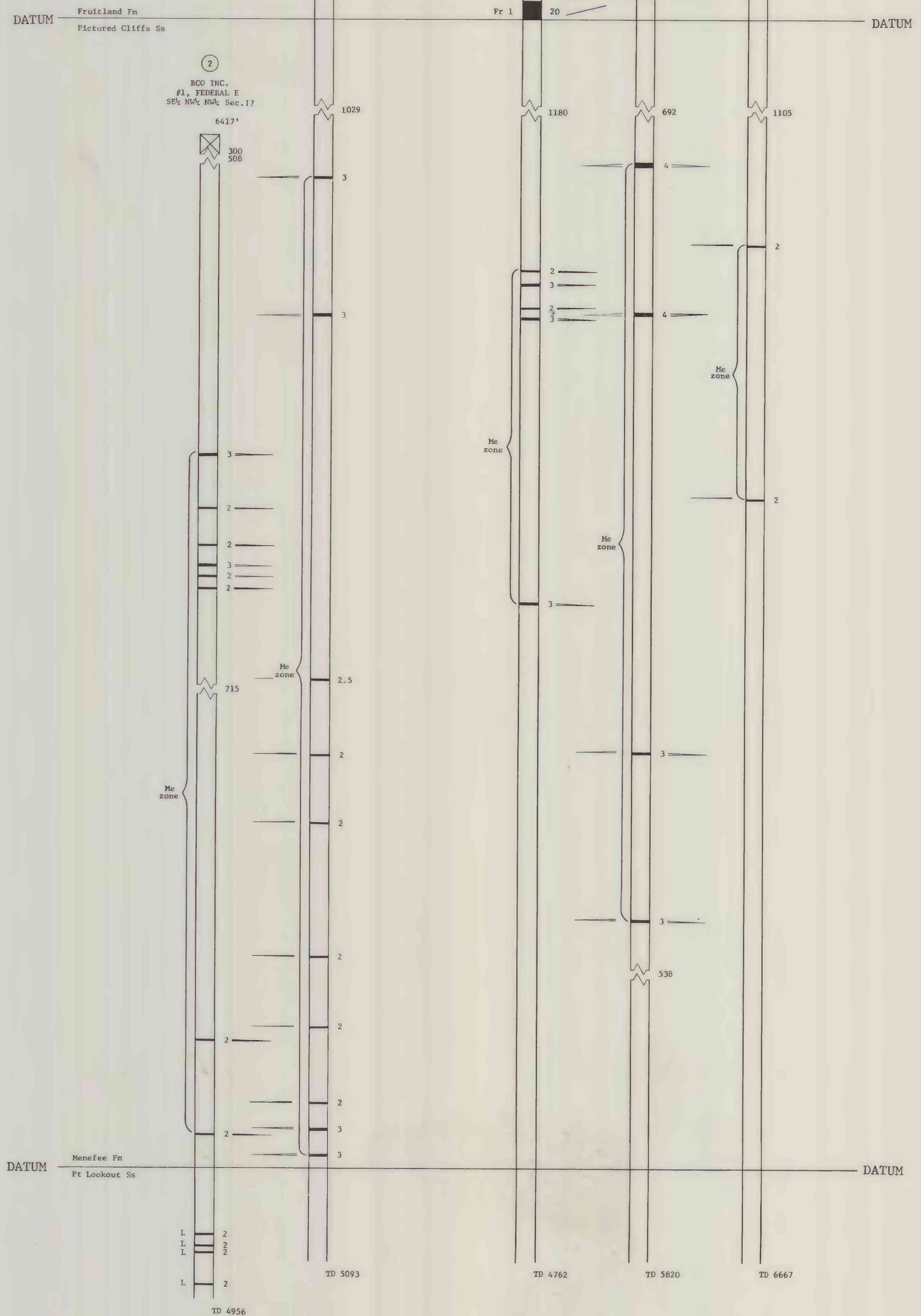
④ GREAT WESTERN DRILLING COMPANY  
#1, CHACO UNIT  
NW $\frac{1}{4}$ , SE $\frac{1}{4}$ , NE $\frac{1}{4}$ , Sec. 14

⑤ FILON EXPL.  
#1 FEDERAL 26-E  
SW $\frac{1}{4}$ , NW $\frac{1}{4}$ , SW $\frac{1}{4}$ , Sec. 26

T. 22 N., R. 9 W.

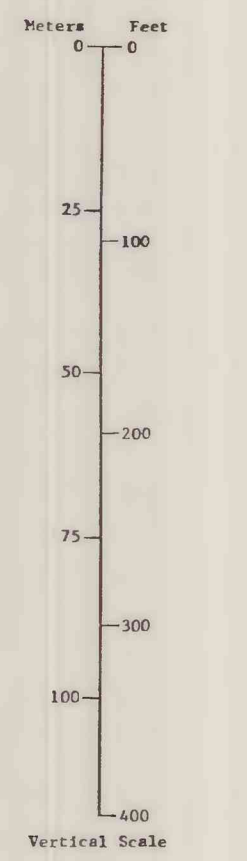
① GREAT WESTERN DRILLING COMPANY  
#1, SOUTH CHAGO  
SW $\frac{1}{4}$ , SW $\frac{1}{4}$ , Sec. 9

② BCO INC.  
#1, FEDERAL E  
SE $\frac{1}{4}$ , NW $\frac{1}{4}$ , NW $\frac{1}{4}$ , Sec. 17

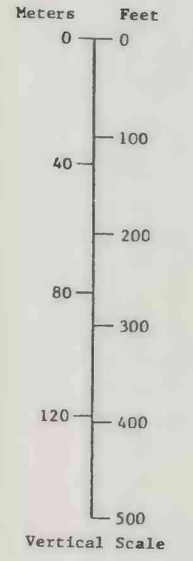


EXPLANATION

- ① Index number
- ① GREAT WESTERN DRILLING COMPANY  
#1, SOUTH CHAGO  
SW $\frac{1}{4}$ , SW $\frac{1}{4}$ , Sec. 9
- 6450' Well name
- 300 Well location
- Altitude of drill hole at surface
- No record of lithology in cased interval. Cased interval not plotted to scale \*
- Rock interval
- Coal bed, showing thickness in feet
- Coal bed and coal zone symbols and names
- Fr zone - Fruitland zone
- Fr 1 - Fruitland 1 bed
- Me zone - Menefee zone
- L - Local bed
- Break in rock interval. Thickness of interval shown in feet
- TD 5093 Total depth of well, in feet
- \*An average depth of casing of 300 ft (91 m) was used. Actual depth of casing not shown.



SYSTEM	SERIES	GROUP	FORMATION	MEMBER	COAL BED NAME	LITHOLOGIC DESCRIPTION
CRETACEOUS	PALEOCENE	MESSEVERDE GROUP	KIRTLAND SHALE	UNDIFFERENTIATED		1. Surface outcrop ranges from Nacimiento Formation in the northern half of the quadrangle to the Kirtland Shale in the southern half of the quadrangle.
						2. Shale, gray, interbedded claystone
						3. Sandstone, light gray, locally conglomeratic; interbedded siltstone and claystone, gray to brown
						4. Unconformity
						5. Shale, gray to gray-brown, plant fossils
						6. Shale, gray to gray-brown, carbonaceous, calcareous, plant fossils; interbedded thick sandstone and siltstone, gray, slightly calcareous, interstitial clay
						7. Coal, Fruitland zone
						8. Coal, Fruitland 1 bed
						9. Sandstone, light to medium gray; thin interbedded shale near base, gray
						10. Shale, gray, slightly calcareous; interbedded siltstone
						11. Siltstone, gray, slightly calcareous; interbedded shale and sandstone
						12. Sandstone, light gray, slightly calcareous; interbedded shale, gray
						13. Coal, Menefee zone
						14. Shale, gray, carbonaceous to non-carbonaceous, plant fossils; interbedded siltstone, gray, and sandstone, light gray
						15. Coal, Menefee zone
						16. Sandstone, white to light gray, slightly calcareous, interstitial kaolinitic; interbedded shale, gray
						17. Coal, local bed. Minor coal beds often occur due to intertonguing of the Menefee Formation with the Point Lookout Sandstone.
			FRUITLAND FM	FRUITLAND zONE		
			LEWIS SHALE	UNDIFFERENTIATED		
			CHAGRA TONGUE			
			CLIFF HOUSE SANDSTONE			
			LA VENTANA TONGUE			
			MENEFEЕ FORMATION	UNDIFFERENTIATED		
			Local			



COAL RESOURCE OCCURRENCE MAP OF THE KIMBETO QUADRANGLE, SAN JUAN COUNTY, NEW MEXICO  
BY  
DAMES & MOORE  
1979