

patterns in their respective graphs, whereas crude oils of different stratigraphic ages commonly have recognizably different patterns. The Permian crude oils of the West Texas basin tend to have a common pattern which, however, differs drastically from the pattern of the Sand Hills Ordovician and from the pattern of the crude from the deeper horizon at Chalk. The Cretaceous crude oils of the Powell district, Texas, show clear correlation in pattern with Cretaceous crude oils of North Louisiana and Arkansas. In the Powell district of Texas, the Corsicana 800-foot crude, the Corsicana 1,250-foot crude and the Powell 1,500-foot crude, the Woodbine crudes (all upper Upper Cretaceous) and the Kosse crude (Lower Cretaceous) have strikingly different patterns and seem not to have been derived one from the other. The serpentine plug crudes tend to have a common pattern. Three different patterns occur among the Woodbine crudes: (1) East Texas, (2) Van and Powell, and (3) Richland, Currie, and Mexia. The pattern of the last three crudes shows similarities to the common "serpentine-plug" pattern; and the Van-Powell pattern has close similarities to Nacatoch patterns of North Louisiana and Arkansas. The gravity interval therefore seems to have considerable possibilities in the study of the genetic relationships of crude oils.

3. Informal Symposium on Recent Petroleum Discoveries in California (abstract).

These are extemporaneous papers on areas of current interest and they are not intended for final publication at this time. Discussion is invited but consideration should be given to the fact that insufficient information is available on many of these for final conclusions to be reached.

(1) RICHARD W. SHERMAN, consulting geologist, Los Angeles: Newhall-Potrero Oil Field.

(2) E. B. NOBLE, chief geologist, Union Oil Company, Los Angeles: Rio Bravo Oil Field.

(3) JAN LAW, assistant petroleum engineer, Union Oil Company: A Possible Structural Interpretation of the Area of New Development at Rosecrans.

(4) ROBIN WILLIS, geologist, Basin Oil Company: (a) Northwestern Extension of the Long Beach Oil Field. (b) New Development at the Potrero Oil Field.

(5) F. M. ZIEGLER, petroleum engineer, Kern Oil Company: West Montebello Oil Field.

(6) E. J. BARTOSH, geologist, Bankline Oil Company: Eastern Extension of the Wilmington Oil Field.

(7) L. S. CHAMBERS: East Side Coalinga Extension.

(8) CLAYTON STEVENS and T. K. BOWLES, Ohio Oil Company, Bakersfield: Canal Oil Field.

(9) RICHARD G. REESE, Standard Oil Company of California, Los Angeles: New Development in the Southeastern Extension of the Torrance Oil Field.

4. HOWARD C. PYLE, Union Oil Company of California, Los Angeles: Core Analysis.

5. H. D. HOBSON, Continental Oil Company: The Nature and Extent of Movement along the San Cayetano Fault, Ventura County, California (abstract).