117 85 161

# GODSEY-EARLOUGHER

DIVISION OF

## WILLIAMS BROTHERS ENGINEERING COMPANY

CORE AND WATER ANALYSIS LABORATORIES

COMPANY Kewanee Oil Company WELL N.W. Elgin Unit No. 1

LOCATION SW NW NW Sec 4-35S-10E FORMATION Wayside

FIELD ____ DRLG. FLUID Native Mud TYPE CORE 2-7/8" Rotary

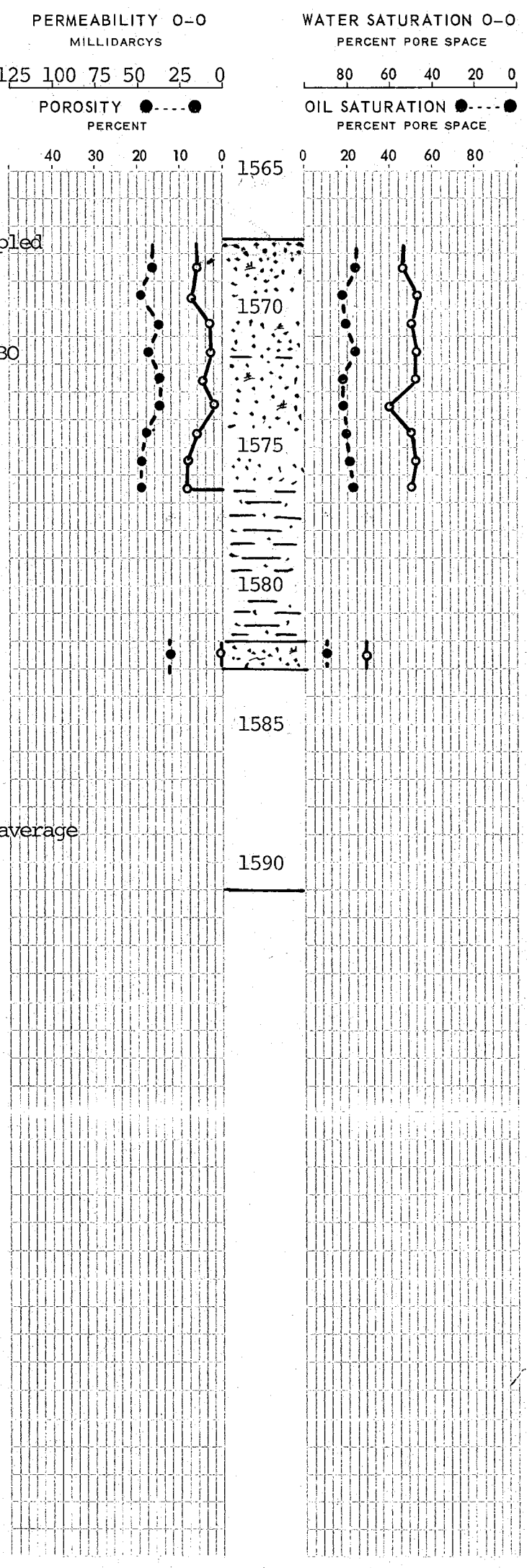
COUNTY Chautauqua STATE Kansas ELEV. 1040' GL DATE 6-9-77

REMARKS Cored from 1567.5' to 1591' Recovered 23.5 Ft

## RESULTS OF CORE ANALYSES

| SPLE. NO. | DEPTH FEET | PERM. MD. | POR-OSITY % | CORE SATURATION % PORE SPACE OIL | CORE SATURATION % PORE SPACE WATER | REMARKS |
|---|---|---|---|---|---|---|
| - | 1567.5-68 | - | - | - | - | Sand, not sampled |
| 1 | 1568-69 | 16. | 16.5 | 23 | 54 | Sand, lmy BO |
| 2 | 1569.70 | 18. | 19.0 | 18 | 47 | Sand BO |
| 3 | 1570-71 | 8.1 | 15.2 | 19 | 50 | Sand, lmy BO |
| 4 | 1571-72 | 7.0 | 17.3 | 23 | 48 | Sd & shly sd BO |
| 5 | 1572-73 | 12. | 15.0 | 18 | 48 | Sand, lmy BO |
| 6 | 1573-74 | 5.3 | 15.2 | 18 | 60 | Sand, lmy BO |
| 7 | 1574-75 | 16. | 18.3 | 19 | 50 | Sand BO |
| 8 | 1575-76 | 21. | 19.0 | 21 | 48 | Sand BO |
| 9 | 1576-76.5 | 22. | 19.1 | 22 | 50 | Sand BO |
| - | 1576.5-82 | - | - | - | - | Sandy shale |
| 10 | 1582-83 | 0.8 | 12.2 | 10 | 71 | *Sand, lmy BO |
| - | 1583-91 | - | - | - | - | Left at well |

*Exclude from average




## SUMMARY

| SEC. | FORMATION | Depth, Feet FROM | Depth, Feet TO | FEET OF SAND | AVG. PERM. | AVG. POR. | AVG. OIL SAT. | AVG. WATER SAT. | Flood Pot Residual Saturation OIL | Flood Pot Residual Saturation WATER |
|---|---|---|---|---|---|---|---|---|---|---|
| | WAYSIDE | | | | | | | | | |
| 1 | Oil | 1567.5 | 1576.5 | 9.0 | 14. | 17.2 | 20. | 51. | 20. | 68. |