

NORTH CAROLINA
DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES
DIVISION OF EARTH RESOURCES
GEOLOGY AND MINERAL RESOURCES SECTION



**EXPLORATORY OIL WELLS OF
NORTH CAROLINA
1925-1976**

INFORMATION CIRCULAR 22 EXPLORATORY OIL WELLS OF NORTH CAROLINA, 1925-1976

INFORMATION CIRCULAR 22

**Compiled
By
James C. Coffey**

RALEIGH



1977

COVER PHOTO: STANDARD OIL COMPANY OF
NEW JERSEY'S NORTH CAROLINA ESSO #2 WELL.

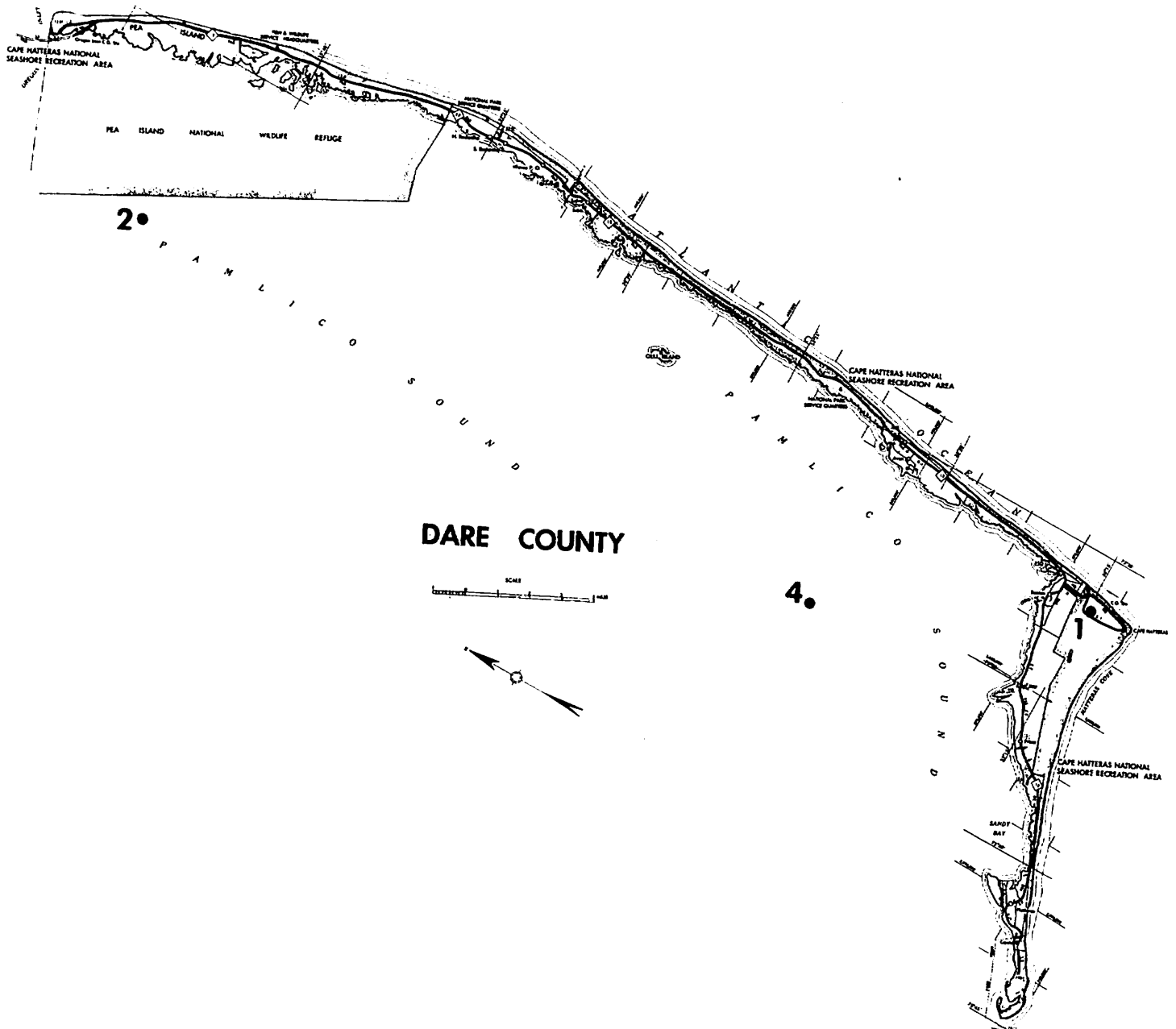
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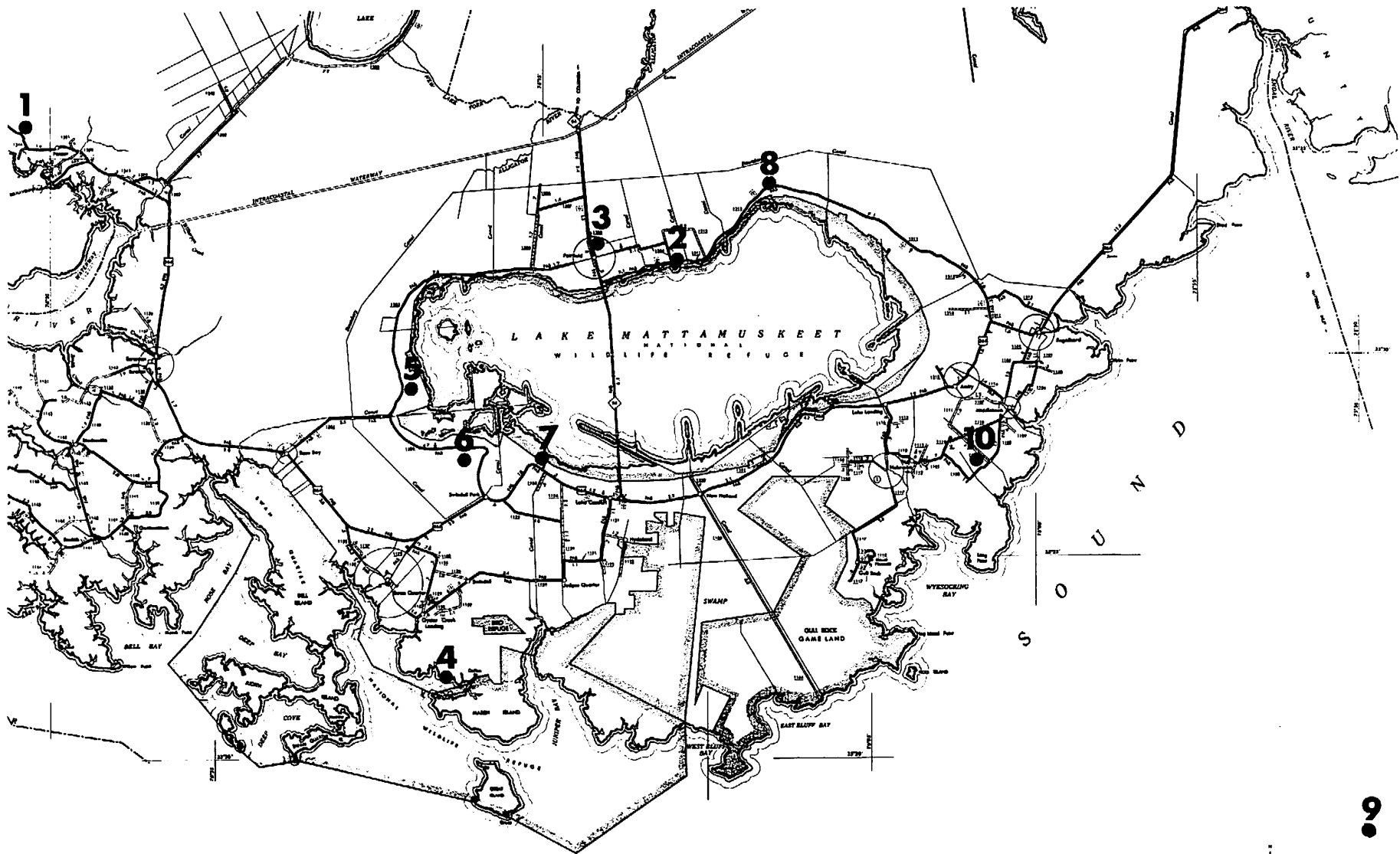
Additional copies of this publication are available from:

Department of Natural and Economic Resources
Earth Resources Division
Geology and Mineral Resources Section
P. O. Box 27687
Raleigh, North Carolina 27611

ERRATA

Well location #2 for Dare County on page 17 and well location #9 for Hyde County on page 22 are mislocated. Their correct location are as shown below:





GEOLOGY AND MINERAL RESOURCES SECTION

The Geology and Mineral Resources Section shall, by law “. . . make such examination, survey, and mapping of the geology, mineralogy, and topography of the state, including their industrial and economic utilization, as it may consider necessary.”

In carrying out its duties under this law, the section promotes the wise conservation and use of mineral resources by industry, commerce, agriculture, and other governmental agencies for the general welfare of the citizens of North Carolina.

The Section conducts a number of basic and applied research projects in environmental resource planning, mineral resource exploration, mineral statistics, and systematic geologic mapping. Services constitute a major portion of the Section's activities and include identifying rock and mineral samples submitted by the citizens of the state and providing consulting services and specially prepared reports to other agencies that require geological information.

The Geology and Mineral Resources Section publishes results of its research in its own series of Bulletins, Economic Papers, Information Circulars, Educational Series, Geologic Maps, and Special Publications. For a complete list of publications or more information about the Section please write: Geology and Mineral Resources Section, P. O. Box 27687, Raleigh, North Carolina 27611.

ELDON P. ALLEN, CHIEF

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Exploratory Oil Wells of North Carolina, 1925-1976

Introduction

The first exploratory oil well in North Carolina was drilled in 1925, near Havelock in Craven County. Since then, exploration conducted in 23 counties has brought the total number of wells drilled in North Carolina to 120. Although the majority of wells have been along the coast, exploration has been conducted as far inland as Lee County. The deepest well to date was drilled at Cape Hatteras in Dare County and reached a depth of 10,044 feet.

This publication is a compilation of information pertinent to exploratory oil wells and to the regulations governing oil and gas exploration in North Carolina. Data on each well includes API number, well name, company, chronological number, completion date, basement depth, total depth, location, availability of driller's cuttings and logs, and type of geophysical logs, if any. The well data are arranged alphabetically by counties and chronologically within each county. The wells have been plotted on county highway maps to aid in their location.

The appendices consist of a list of geophysical logs available from the Geology and Mineral Resources Section, the oil and gas regulations for the State of North Carolina, and examples of permit forms. A map of eastern North Carolina on which all the exploratory oil wells have been plotted is included in the back of the report.

Explanation of Terminology

API Number: This three-part number comprises the American Petroleum Institute's well designation code. The first, two-digit number is the state code, i.e., 32 stands for North Carolina. The second, three-digit number is the county, e.g., 013 for Beaufort County. The third number represents the chronological order of well completions within the county, e.g., 1 for the first well drilled within the county. The third number is also used to designate the well on the county highway map.

Chronological Number: This number represents the actual sequence of well completions within the state, e.g., Chron. No. 50 was the fiftieth well drilled within the state.

Basement Depth: This number represents the subsea depth to a pre-Mesozoic "basement" surface. The notation "NR" refers to the fact that basement was "not reached," while "NP" indicates that basement depth was "not picked" in the respective wells.

Total Depth: This number represents the total depth of the well as recorded by the driller's or geophysical log.

Location: The location is given as accurately as possible in terms of degrees, minutes, and seconds of longitude and latitude. An additional location is given in distances from the nearest five minute intervals of longitude and latitude for convenient use on county highway maps.

Driller's Cuttings: "Yes" indicates that sample cuttings are available for examination at the Geology and

Mineral Resources section in Raleigh.

Driller's Log: "Yes" means that a geologic record or log kept at the well site during drilling can be reviewed at the office of the Geology and Mineral Resources Section in Raleigh.

Geophysical Logs: This refers to the types of geophysical logs run on the wells. The original logs can be reviewed at the office of the Geology and Mineral Resources Section in Raleigh. The abbreviations used are:

IES	Induction Electric
GR	Gamma Ray
S	Sonic
SPR	Single Point Resistivity
6L	6-Foot Lateral Resistivity
CAL	Caliper
CCL	Casing Collar Locator
ML	Mud Log
SP	Spontaneous Potential
DIL	Dual Induction Laterlog
D	Density
N	Neutron
CB	Cement Bond
T	Temperature
MCL	Microlog
FT	Formation Tester
16N	16-Inch Normal Resistivity
CD	Continuous Dipmeter
SS	Saraband Synergetic Log

Scale: This number refers to the number of inches on the log equal to 100 feet in the well, i.e., 2 for 2 inches on log equals 100 feet in well. 2-5 refers to a two-section log, one at 2 inches equals 100 feet and the other at 5 inches equals 100 feet.

Cost: This number is the cost of reproduction of the geophysical logs.

Ordering of Copies of Geophysical Logs: Copies of geophysical logs itemized in Appendix I can be ordered from the Geology and Mineral Resources Section. To order, please indicate the appropriate API well number, type of log, and scale desired and send with prepayment by check or money order to:

Geology and Mineral Resources Section
P. O. Box 27687
Raleigh, North Carolina 27611.

Residents of North Carolina please add 4% sales tax.

Well Data

BEAUFORT COUNTY

API NO.: 32-013-1 WELL NAME: Rodman #2 COMPANY: Coastal Plains Oil
CHRON NO.: 39 COMPLETION DATE: 8-17-63 LOCATION: 35° 33' 58"N 1.1 mi. south of 35° 35'N
TOTAL DEPTH: 2120' BASEMENT DEPTH: -2089' 76° 45' 46"W 0.7 mi. west of 76° 45'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: I-ES

API NO.: 32-013-2 WELL NAME: Rodman #1 COMPANY: Coastal Plains Oil
CHRON NO.: 40 COMPLETION DATE: 8-22-63 LOCATION: 35° 32' 45"N 2.57 mi. south of 35° 35'N
TOTAL DEPTH: 2012' BASEMENT DEPTH: -1964' 76° 46' 45"W 1.65 mi. west of 76° 45'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES

API NO.: 32-013-3 WELL NAME: Z. Ratcliff #1 COMPANY: Coastal Plains Oil
CHRON NO.: 41 COMPLETION DATE: 8-25-63 LOCATION: 35° 35' 45"N 0.86 mi. north of 35° 35'N
TOTAL DEPTH: 1966' BASEMENT DEPTH: -1945' 76° 48' 10"W 1.72 mi. east of 76° 50'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES

API NO.: 32-013-4 WELL NAME: West Dismal #1 COMPANY: Coastal Plains Oil
CHRON NO.: 42 COMPLETION DATE: 8-30-63 LOCATION: 35° 39' 07"N 1.0 mi. south of 35° 40'N
TOTAL DEPTH: 1938' BASEMENT DEPTH: -1868' 76° 47' 21"W 1.9 mi. east of 76° 50'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES

API NO.: 32-013-5 WELL NAME: H. M. Jackson #1 COMPANY: Coastal Plains Oil
CHRON NO.: 43 COMPLETION DATE: 9-2-63 LOCATION: 35° 38' 15"N 1.99 mi. south of 35° 40'N
TOTAL DEPTH: 1526' BASEMENT DEPTH: NR 76° 51' 15"W 1.18 mi. west of 76° 50'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: I-ES

BERTIE COUNTY

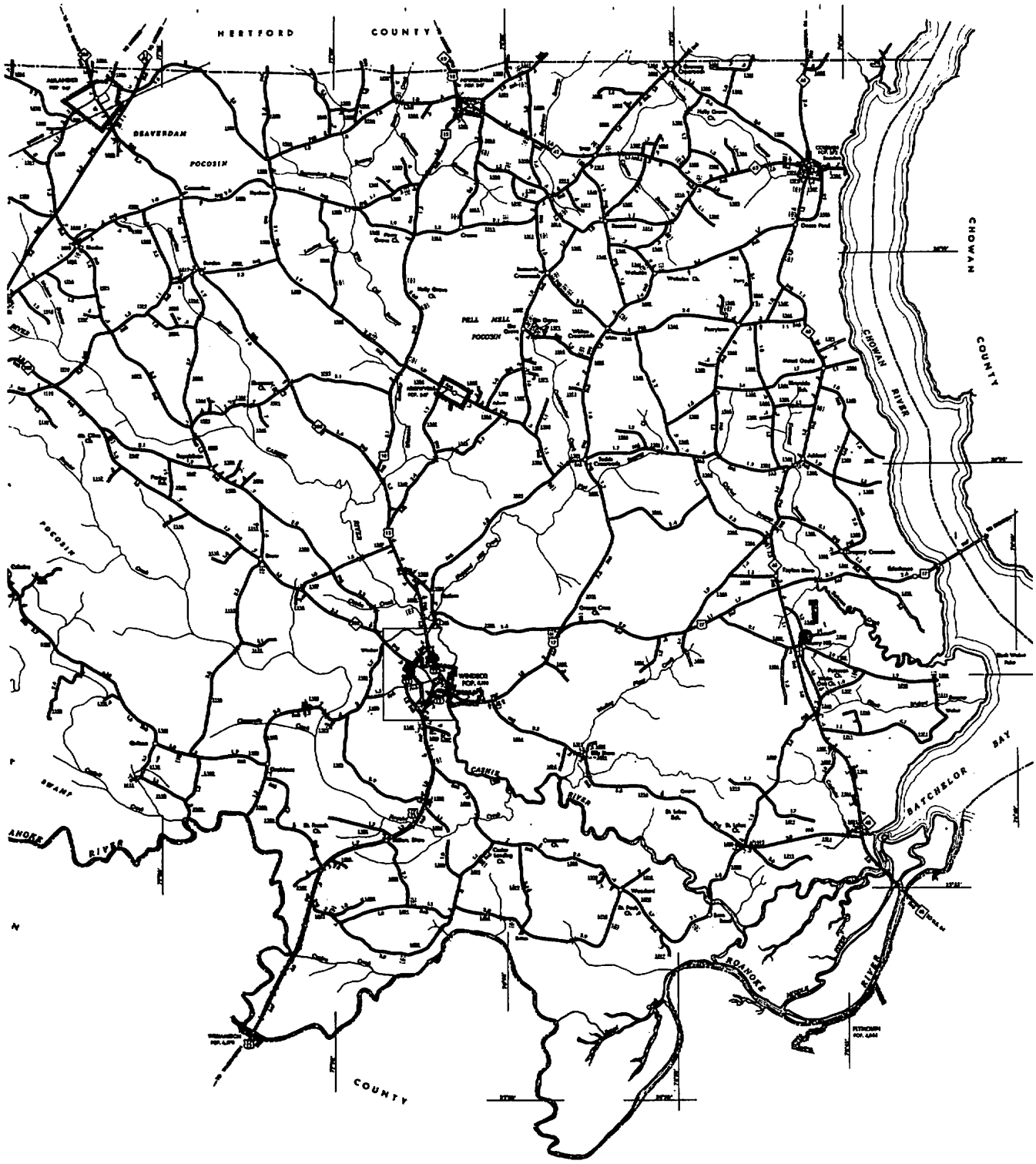
API NO.: 32-015-1 WELL NAME: Coward #1 COMPANY: Coastal States Oil
CHRON NO.: 76 COMPLETION DATE: 10-16-69 LOCATION: 36° 00' 53"N 1.0 mi. north of 36° 00'N
TOTAL DEPTH: 1570' BASEMENT DEPTH: NP 76° 46' 15"W 1.18 mi. west of 76° 45'W
DRILLER'S CUTTINGS/LOG: No/Yes GEOPHYSICAL LOGS: None

BLADEN COUNTY

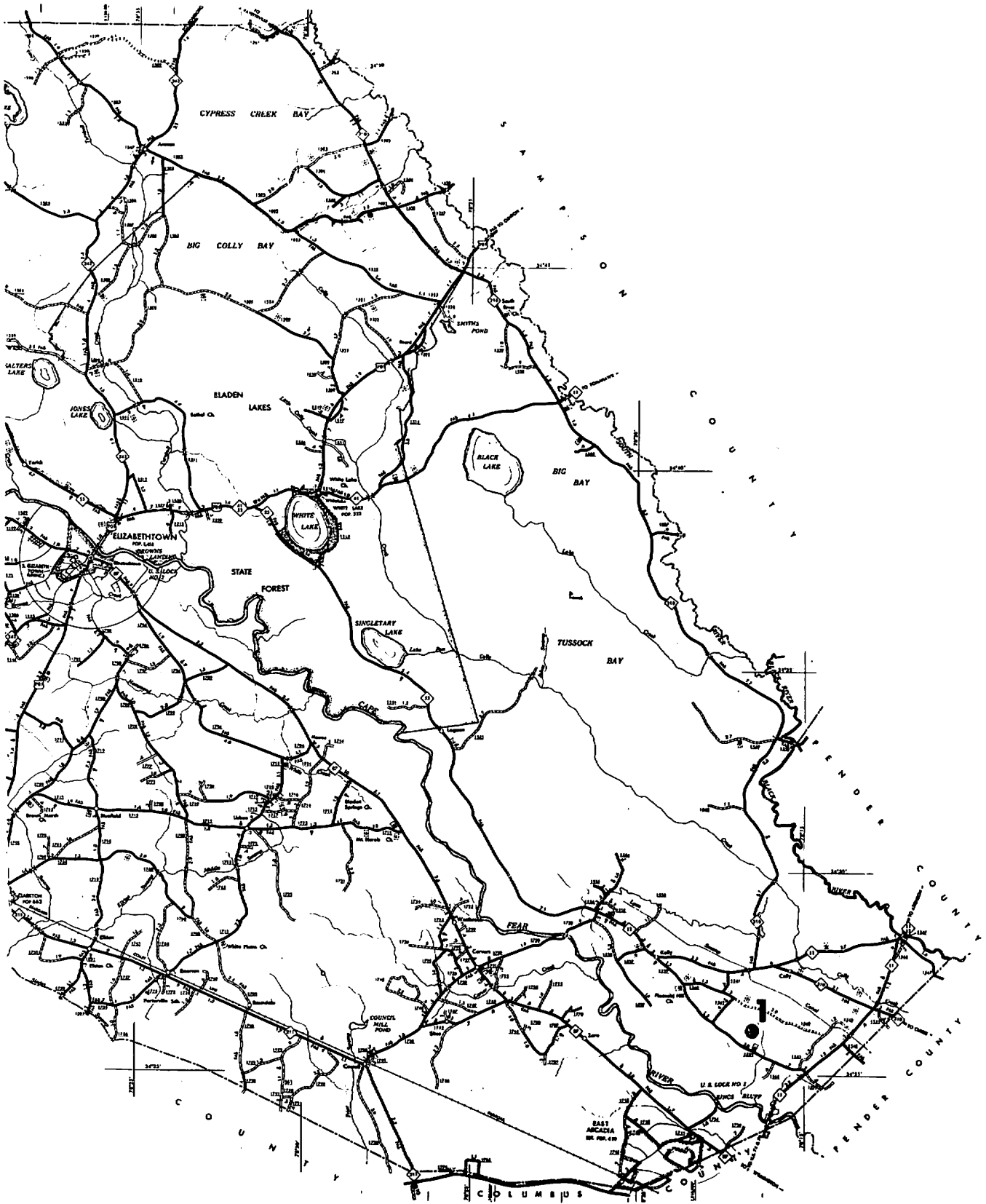
API NO.: 32-017-1 WELL NAME: Corbett #1 COMPANY: American Mining & Development
CHRON NO.: 31 COMPLETION DATE: 9-17-59 LOCATION: 34° 26' 05"N 1.24 mi. north of 34° 25'N
TOTAL DEPTH: 765' BASEMENT DEPTH: -650' 78° 16' 30"W 1.41 mi. west of 78° 15'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: GR-N



BEAUFORT COUNTY



BERTIE COUNTY



BLADEN COUNTY

BRUNSWICK COUNTY

API NO.: 32-019-1 WELL NAME: Skipper #1 COMPANY: Coastal States Oil
CHRON NO.: 72 COMPLETION DATE: 9-1-69 LOCATION: 34° 17' 00"N 2.28 mi. north of 34° 15'N
TOTAL DEPTH: 1010' BASEMENT DEPTH: NP 78° 08' 57"W 0.98 mi. east of 78° 10'W
DRILLER'S CUTTINGS/LOG: No/Yes GEOPHYSICAL LOGS: None

API NO.: 32-019-2 WELL NAME: Trask #1 COMPANY: Colonial Oil & Gas
CHRON NO.: 84 COMPLETION DATE: 8-30-70 LOCATION: 34° 08' 30"N 1.73 mi. south of 34° 10'N
TOTAL DEPTH: 1254' BASEMENT DEPTH: -1220' 77° 57' 53"W 1.99 mi. east of 78° 00'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES, GR-CCL, Cal, D, N

API NO.: 32-019-3 WELL NAME: Trask #2 COMPANY: Colonial Oil & Gas
CHRON NO.: 85 COMPLETION DATE: 11-10-70 LOCATION: 34° 08' 32"N 1.68 mi. south of 34° 10'N
TOTAL DEPTH: 1261' BASEMENT DEPTH: NP 77° 57' 59"W 1.9 mi. east of 78° 00'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: GR

API NO.: 32-019-4 WELL NAME: MacRae #1 COMPANY: Colonial Oil & Gas
CHRON NO.: 86 COMPLETION DATE: 11-28-70 LOCATION: 34° 08' 20"N 1.9 mi. south of 34° 10'N
TOTAL DEPTH: 1230' BASEMENT DEPTH: NP 77° 57' 54"W 1.97 mi. east of 78° 00'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: GR

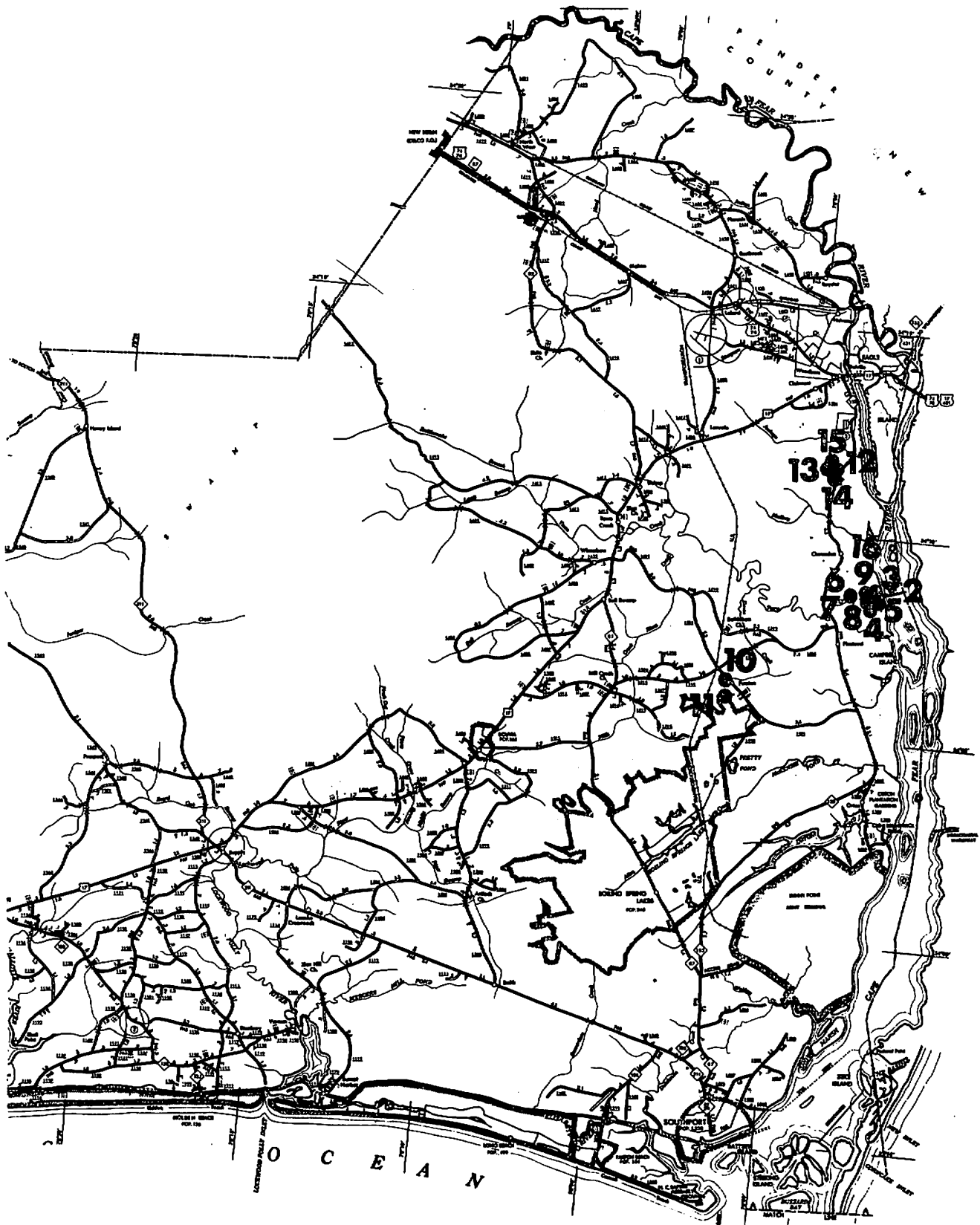
API NO.: 32-019-5 WELL NAME: Trask #3 COMPANY: Colonial Oil & Gas
CHRON NO.: 87 COMPLETION DATE: 12-8-70 LOCATION: 34° 08' 25"N 1.8 mi. south of 34° 10'N
TOTAL DEPTH: 1271' BASEMENT DEPTH: NP 77° 57' 39"W 2.21 mi. east of 78° 00'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: GR-SP-SPR

API NO.: 32-019-6 WELL NAME: MacRae #2 COMPANY: Colonial Oil & Gas
CHRON NO.: 88 COMPLETION DATE: 1-25-71 LOCATION: 34° 08' 38"N 1.55 mi. south of 34° 10'N
TOTAL DEPTH: 1247' BASEMENT DEPTH: NP 77° 58' 37"W 1.30 mi. east of 78° 00'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: None

API NO.: 32-019-7 WELL NAME: MacRae #3 COMPANY: Colonial Oil & Gas
CHRON NO.: 89 COMPLETION DATE: 2-17-71 LOCATION: 34° 08' 38"N 1.55 mi. south of 34° 10'N
TOTAL DEPTH: 1261' BASEMENT DEPTH: NP 77° 58' 37"W 1.3 mi. east of 78° 00'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: GR

API NO.: 32-019-8 WELL NAME: Jefferies #1 COMPANY: Colonial Oil & Gas
CHRON NO.: 90 COMPLETION DATE: 2-26-71 LOCATION: 34° 08' 38"N 1.55 mi. south of 34° 10'N
TOTAL DEPTH: 1275' BASEMENT DEPTH: NP 77° 58' 08"W 1.75 mi. east of 78° 00'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: GR-SP-SPR

API NO.: 32-019-9 WELL NAME: Jefferies #2 COMPANY: Colonial Oil & Gas
CHRON NO.: 91 COMPLETION DATE: 3-2-71 LOCATION: 34° 08' 39"N 1.53 mi. south of 34° 10'N
TOTAL DEPTH: 1222' BASEMENT DEPTH: NP 77° 58' 08"W 1.75 mi. east of 78° 00'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: GR-SP-SPR



BRUNSWICK COUNTY

API NO.: 32-019-10 WELL NAME: Horn #1 COMPANY: Colonial Oil & Gas
CHRON NO.: 92 COMPLETION DATE: 3-9-71 LOCATION: 34° 06' 03"N 1.2 mi. north of 34° 05'N
TOTAL DEPTH: 1285' BASEMENT DEPTH: NP 78° 01' 58"W 1.85 mi. west of 78° 00'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: GR-SP

API NO.: 32-019-11 WELL NAME: Horn #2 COMPANY: Colonial Oil & Gas
CHRON NO.: 93 COMPLETION DATE: 3-15-71 LOCATION: 34° 05' 50"N 0.95 mi. north of 34° 05'N
TOTAL DEPTH: 1318' BASEMENT DEPTH: NP 78° 01' 58"W 1.85 mi. west of 78° 00'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: GR

API NO.: 32-019-12 WELL NAME: Rabon #1 COMPANY: Colonial Oil & Gas
CHRON NO.: 94 COMPLETION DATE: 3-28-71 LOCATION: 34° 11' 37"N 1.85 mi. north of 34° 10'N
TOTAL DEPTH: 765' BASEMENT DEPTH: NP 77° 59' 22"W 0.6 mi. east of 78° 00'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: None

API NO.: 32-019-13 WELL NAME: Rabon #2 COMPANY: Colonial Oil & Gas
CHRON NO.: 95 COMPLETION DATE: 4-1-71 LOCATION: 34° 11' 37"N 1.85 mi. north of 34° 10'N
TOTAL DEPTH: 1212' BASEMENT DEPTH: NP 77° 59' 22"N 0.59 mi. east of 78° 00'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: GR-SP-SPR

API NO.: 32-019-14 WELL NAME: Rabon #3 COMPANY: Colonial Oil & Gas
CHRON NO.: 96 COMPLETION DATE: 4-6-71 LOCATION: 34° 11' 36"N 1.83 mi. north of 34° 10'N
TOTAL DEPTH: 1190' BASEMENT DEPTH: NP 77° 59' 22"W 0.6 mi. east of 78° 00'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: GR-CAL-D, S, DIL, GR-N, SS

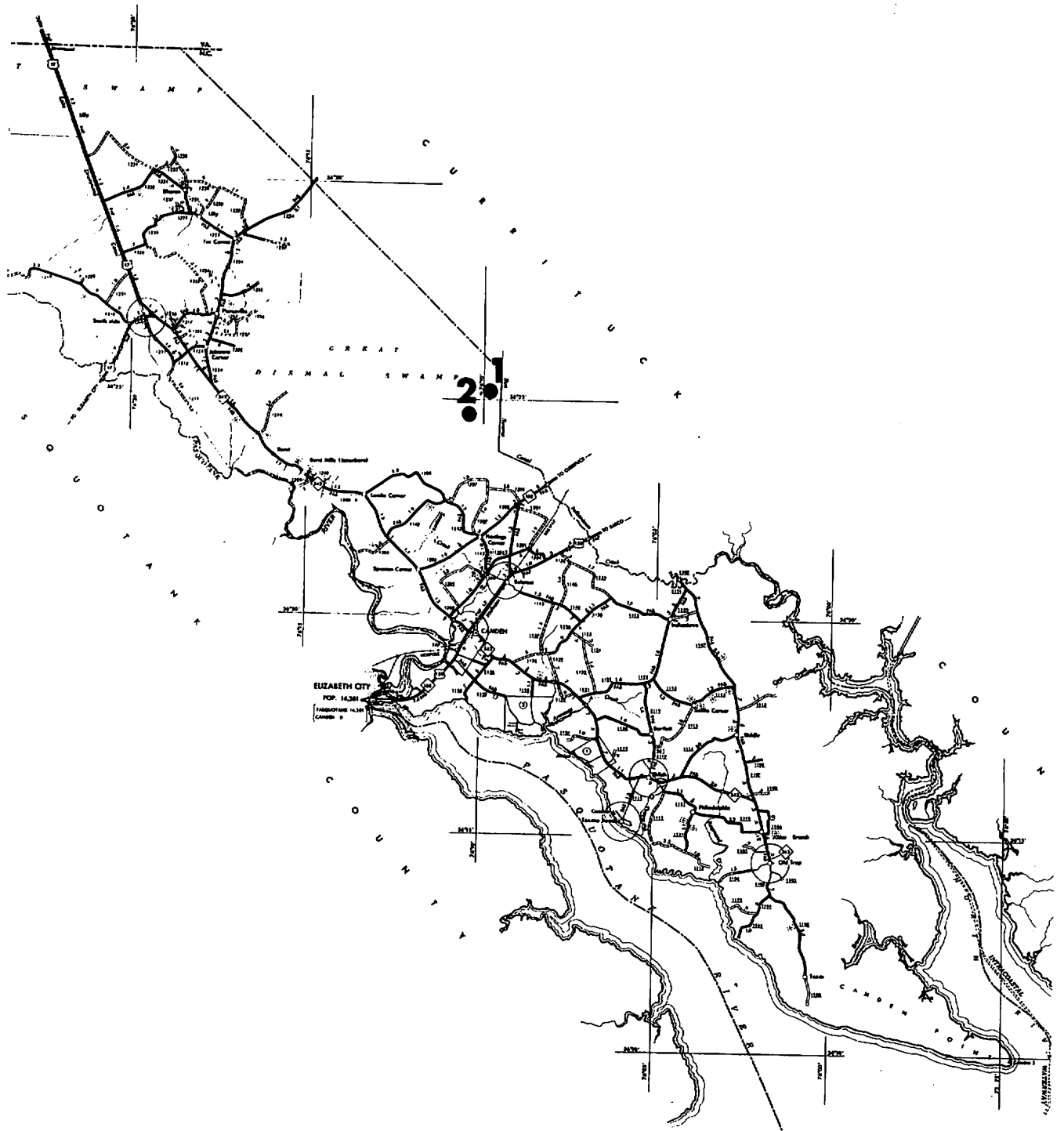
API NO.: 32-019-15 WELL NAME: Rabon #4 COMPANY: Colonial Oil & Gas
CHRON NO.: 97 COMPLETION DATE: 4-19-71 LOCATION: 34° 11' 47"N 2.03 mi. north of 34° 10'N
TOTAL DEPTH: 1210' BASEMENT DEPTH: NP 77° 59' 33"W 0.42 mi. east of 78° 00'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: GR-SP

API NO.: 32-019-16 WELL NAME: Jefferies #3 COMPANY: Colonial Oil & Gas
CHRON NO.: 98 COMPLETION DATE: 5-1-71 LOCATION: 34° 08' 38"N 1.55 mi. south of 34° 10'N
TOTAL DEPTH: 1124' BASEMENT DEPTH: NP 77° 58' 08"W 1.75 mi. east of 78° 00'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: GR-CAL-D, DIL, GR-SP-SPR, SP-6L

CAMDEN COUNTY

API NO.: 32-029-1 WELL NAME: DuGrandlee-Foreman #1 COMPANY: Urice Drilling
CHRON NO.: 21 COMPLETION DATE: 9-?-53 LOCATION: 36° 25' 10"N 0.19 mi. north of 36° 25'N
TOTAL DEPTH: 6420' BASEMENT DEPTH: NP 76° 09' 58"W 0.03 mi. east of 76° 10'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: None

API NO.: 32-029-2 WELL NAME: Weyerhaeuser #1 COMPANY: E. F. Blair
CHRON NO.: 47 COMPLETION DATE: 9-25-65 LOCATION: 36° 24' 40"N 0.38 mi. south of 36° 25'N
TOTAL DEPTH: 3741' BASEMENT DEPTH: -2814' 76° 10' 30"W 0.47 mi. west of 76° 10'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: GR-S, I-ES

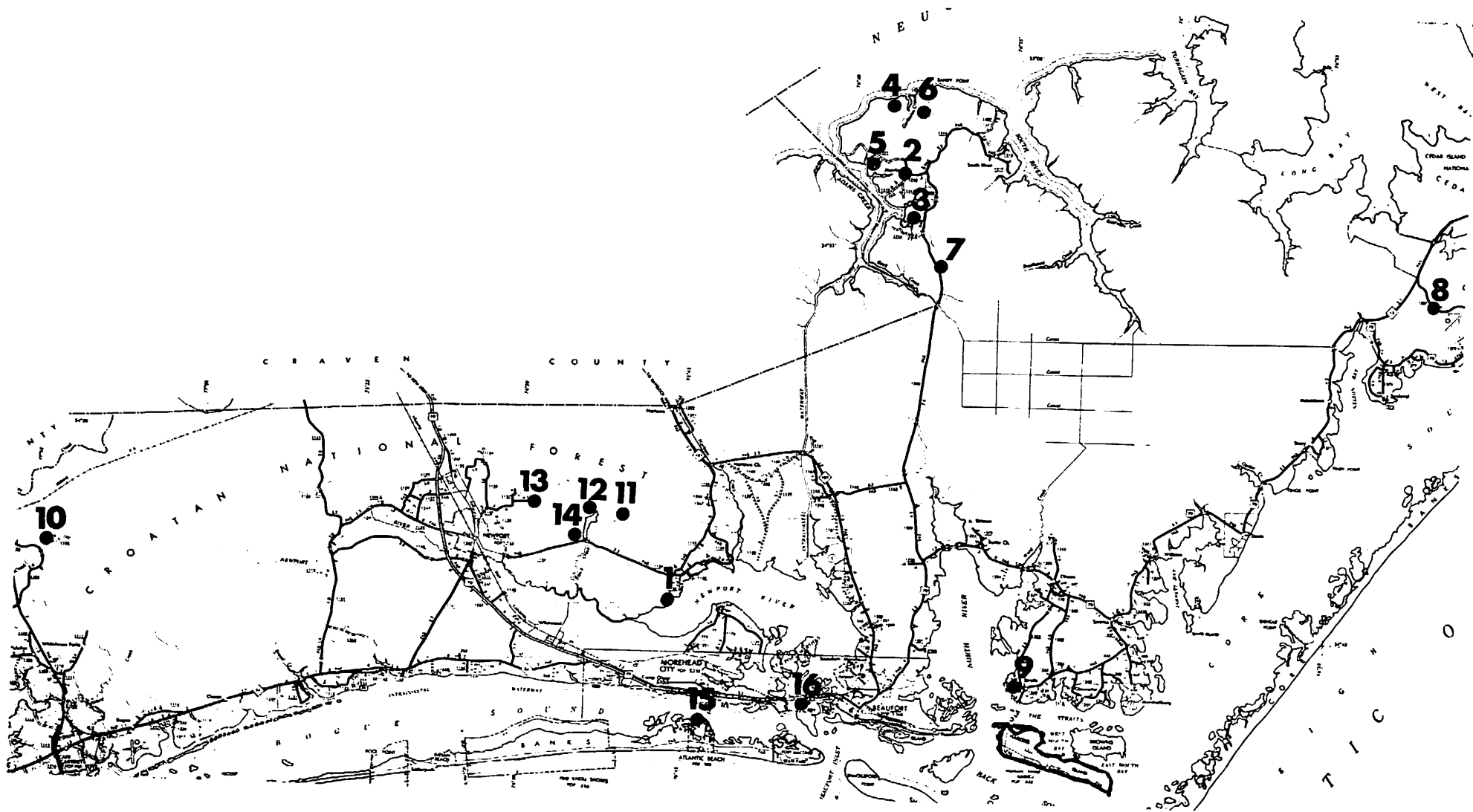


ELIZABETH CITY
 POP. 14,361
 HARBORING 14,351
 Census 19



SCALE
 1" = 1 MILE

CAMDEN COUNTY



CARTERET COUNTY



CARTERET COUNTY

API NO.: 32-031-1 WELL NAME: Laughton #1 COMPANY: F. L. Karston
CHRON NO.: 2 COMPLETION DATE: 6-18-45 LOCATION: 34° 45' 40"N 0.77 mi. north of 34° 45'N
TOTAL DEPTH: 4044' BASEMENT DEPTH: -4011' 76° 45' 30"W 0.47 mi. west of 76° 45'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES

API NO.: 32-031-2 WELL NAME: Guy Carraway #1 COMPANY: Carolina Petroleum
CHRON NO.: 4 COMPLETION DATE: 7-19-46 LOCATION: 34° 57' 05"N 2.4 mi. north of 34° 55'N
TOTAL DEPTH: 4069' BASEMENT DEPTH: -4044' 76° 38' 30"W 1.4 mi. east of 76° 40'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: I-ES

API NO.: 32-031-3 WELL NAME: Nita Carraway #1 COMPANY: Carolina Petroleum
CHRON NO.: 5 COMPLETION DATE: 8-21-46 LOCATION: 34° 55' 50"N 0.95 mi. north of 34° 55'N
TOTAL DEPTH: 4126' BASEMENT DEPTH: -4106' 76° 38' 05"W 1.8 mi. east of 76° 40'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: I-ES

API NO.: 32-031-4 WELL NAME: D. H. Phillips #1 COMPANY: Carolina Petroleum
CHRON NO.: 6 COMPLETION DATE: 9-19-46 LOCATION: 34° 58' 50"N 1.33 mi. south of 35° 00'N
TOTAL DEPTH: 3964' BASEMENT DEPTH: -3933' 76° 39' 00"W 0.94 mi. east of 76° 40'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: I-ES

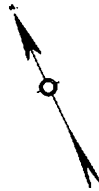
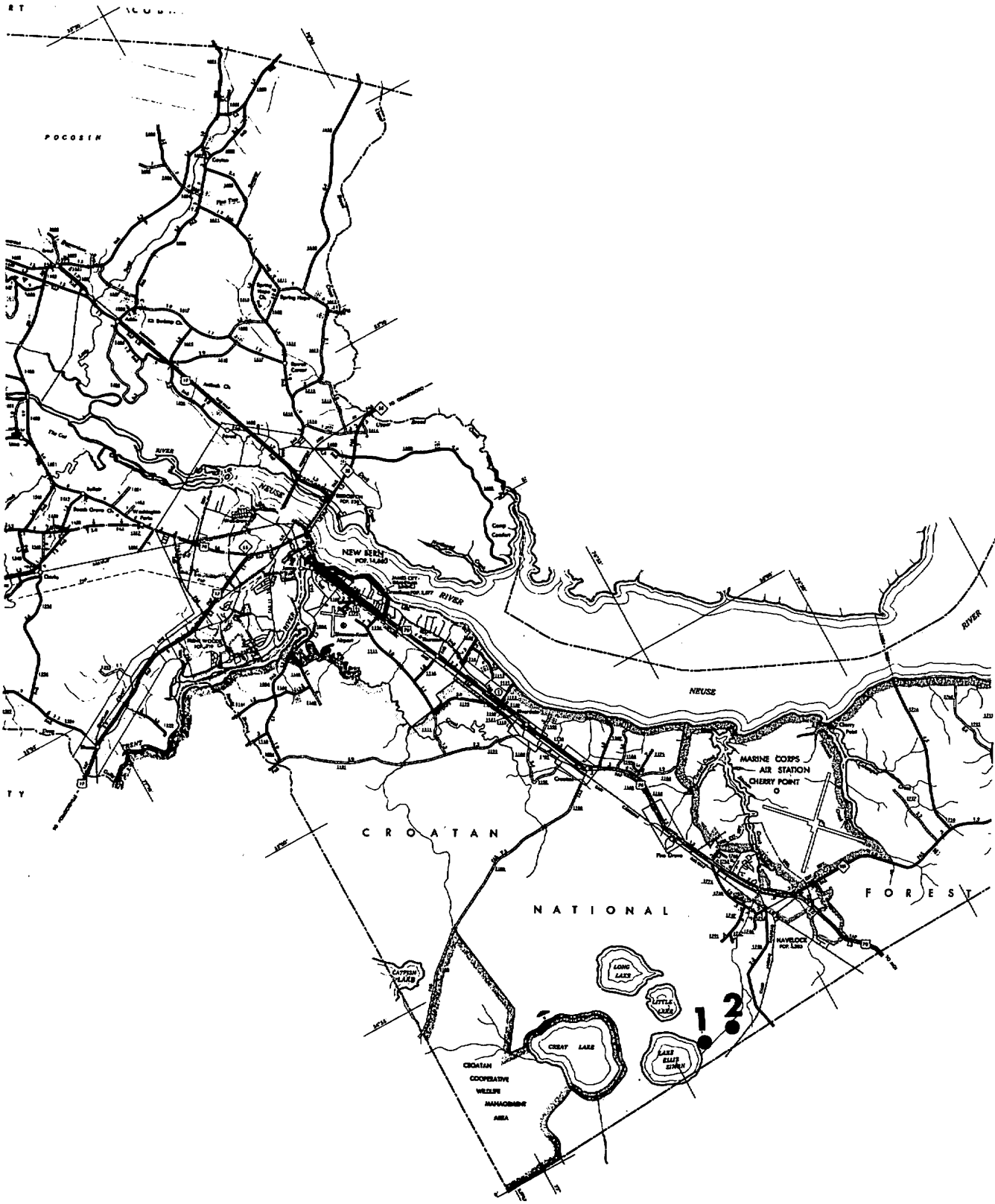
API NO.: 32-031-5 WELL NAME: H. B. Salter #1 COMPANY: Carolina Petroleum
CHRON NO.: 7 COMPLETION DATE: 10-26-46 LOCATION: 34° 57' 15"N 2.59 mi. north of 34° 55'N
TOTAL DEPTH: 3963' BASEMENT DEPTH: -3944' 76° 39' 35"W 0.39 mi. east of 76° 40'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: I-ES

API NO.: 32-031-6 WELL NAME: John Wallace #1 COMPANY: Carolina Petroleum
CHRON NO.: 8 COMPLETION DATE: 12-12-46 LOCATION: 34° 58' 45"N 1.44 mi. south of 35° 00'N
TOTAL DEPTH: 4024' BASEMENT DEPTH: -4005' 76° 38' 00"W 1.87 mi. east of 76° 40'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: I-ES

API NO.: 32-031-7 WELL NAME: Miss G. P. Yeatman #1 COMPANY: Coastal Plains Oil
CHRON NO.: 36 COMPLETION DATE: 9-17-61 LOCATION: 34° 54' 30"N 0.58 mi. south of 34° 55'N
TOTAL DEPTH: 4096' BASEMENT DEPTH: NR 76° 37' 30"W 2.34 mi. west of 76° 35'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: I-ES

API NO.: 32-031-8 WELL NAME: Bay Land Corp. #1 COMPANY: Coastal Plains Oil
CHRON NO.: 37 COMPLETION DATE: 10-10-61 LOCATION: 34° 53' 55"N 1.25 mi. south of 34° 55'N
TOTAL DEPTH: 5609' BASEMENT DEPTH: -5552' 76° 22' 00"W 1.87 mi. west of 76° 20'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: I-ES

API NO.: 32-031-9 WELL NAME: Huntley-Davis #1 COMPANY: Coastal Plains Oil
CHRON NO.: 38 COMPLETION DATE: 10-28-61 LOCATION: 34° 43' 50"N 1.34 mi. south of 34° 45'N
TOTAL DEPTH: 4965' BASEMENT DEPTH: -4938' 76° 34' 30"W 0.47 mi. east of 76° 35'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES



CRAVEN COUNTY

API NO.: 32-031-10 WELL NAME: W. P. Vinson #1 COMPANY: Schmidt
CHRON NO.: 108 COMPLETION DATE: 8-16-72 LOCATION: 34° 46' 50"N 2.08 mi. north of 34° 45'N
TOTAL DEPTH: 1950' BASEMENT DEPTH: NR 77° 04' 54"W 0.1 mi. east of 77° 05'W
DRILLER'S CUTTINGS/LOG: No/Yes GEOPHYSICAL LOGS: GR

API NO.: 32-031-11 WELL NAME: International Paper #1 COMPANY: Schmidt
CHRON NO.: 109 COMPLETION DATE: 10-16-72 LOCATION: 34° 48' 02"N 2.24 mi. south of 34° 50'N
TOTAL DEPTH: 500' BASEMENT DEPTH: NR 76° 47' 27"W 2.4 mi. east of 76° 50'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: None

API NO.: 32-031-12 WELL NAME: International Paper #1 COMPANY: Gentles
CHRON NO.: 110 COMPLETION DATE: 4-17-73 LOCATION: 34° 48' 08"N 2.13 mi. south of 34° 50'N
TOTAL DEPTH: 3485' BASEMENT DEPTH: NP 76° 48' 05"W 1.8 mi. east of 76° 50'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: GR-SPR, 6L

API NO.: 32-031-13 WELL NAME: J. E. Elliott #1 COMPANY: F. W. Carr & G. K. Schmidt
CHRON NO.: 114 COMPLETION DATE: 10-28-73 LOCATION: 34° 48' 14"N 2.01 mi. south of 34° 50'N
TOTAL DEPTH: 3441' BASEMENT DEPTH: NP 76° 49' 47"W 0.2 mi. east of 76° 50'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: I-ES, GR-S

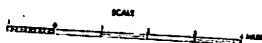
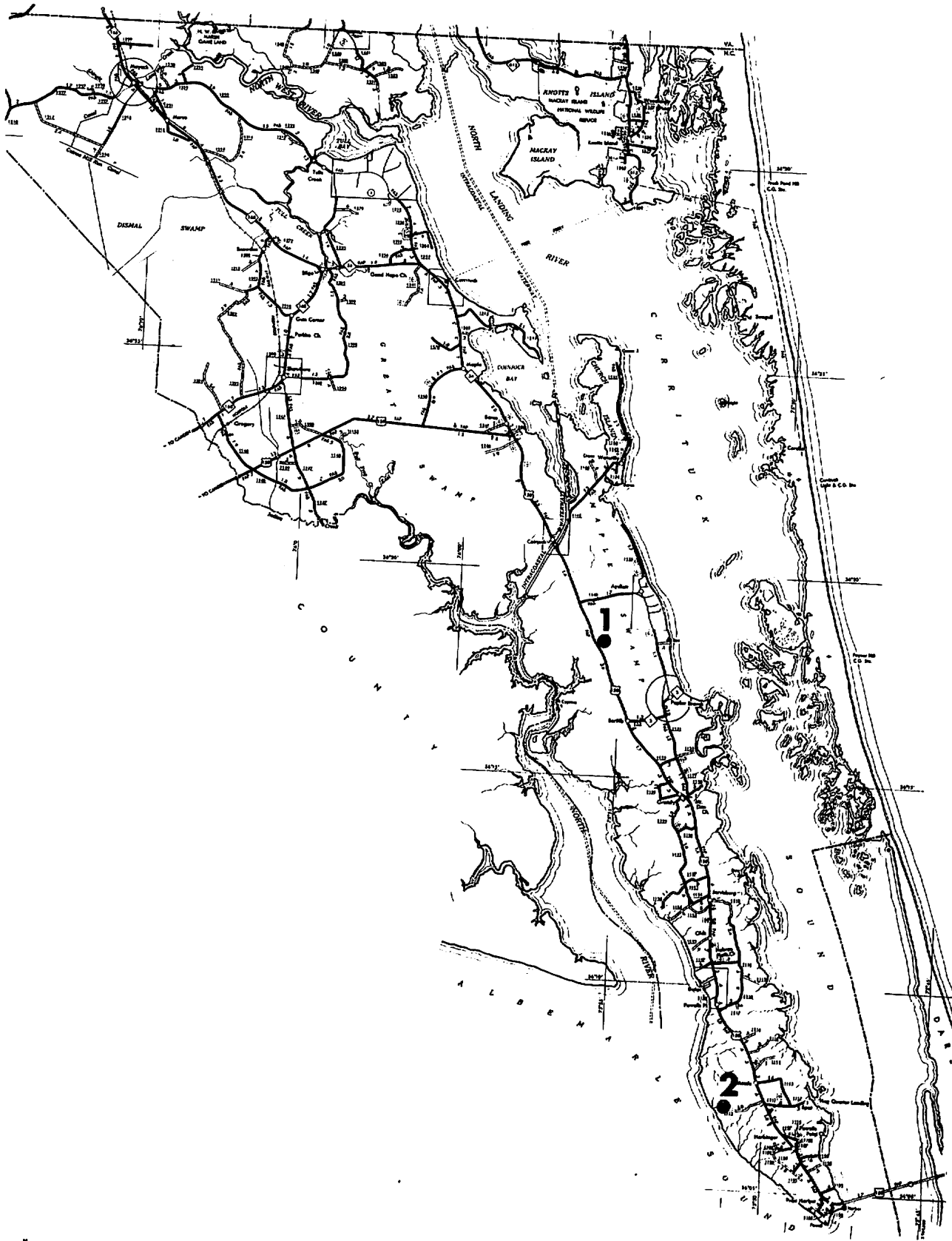
API NO.: 32-031-14 WELL NAME: Trader #1 COMPANY: F. William Carr
CHRON NO.: 115 COMPLETION DATE: 11-30-73 LOCATION: 34° 47' 22"N 2.7 mi. north of 34° 45'N
TOTAL DEPTH: 3436' BASEMENT DEPTH: NP 76° 48' 24"W 1.5 mi. east of 76° 50'W
DRILLER'S CUTTINGS/LOG: No/Yes GEOPHYSICAL LOGS: I-ES, GR-S

API NO.: 32-031-15 WELL NAME: Atlantic Beach Corp. #1 COMPANY: F. W. Carr & G. K. Schmidt
CHRON NO.: 116 COMPLETION DATE: 1-24-74 LOCATION: 34° 42' 16"N 2.58 mi. north of 34° 40'N
TOTAL DEPTH: 4092' BASEMENT DEPTH: -4079' 76° 44' 25"W 0.55 mi. east of 76° 45'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: I-ES

API NO.: 32-031-16 WELL NAME: Samon #1 COMPANY: F. W. Carr
CHRON NO.: 117 COMPLETION DATE: 2-22-74 LOCATION: 34° 43' 10"N 2.09 mi. south of 34° 45'N
TOTAL DEPTH: 3125' BASEMENT DEPTH: NR 76° 41' 13"W 1.15 mi. west of 76° 40'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: I-ES, GR-CAL-S

CRAVEN COUNTY

API NO.: 32-049-1 WELL NAME: Great Lakes #2 COMPANY: Great Lakes Drilling
CHRON NO.: 1 COMPLETION DATE: 8-?-25 LOCATION: 34° 50' 58"N 1.1 mi. north of 34° 50'N
TOTAL DEPTH: 2404' BASEMENT DEPTH: NP 76° 58' 50"W 1.0 mi. east of 77° 00'W
DRILLER'S CUTTINGS/LOG: No/Yes GEOPHYSICAL LOGS: None



CURRITUCK COUNTY

API NO.: 32-049-2 WELL NAME: C. Bryan #1 COMPANY: Carolina Petroleum
CHRON NO.: 9 COMPLETION DATE: 1-21-47 LOCATION: 34° 50' 55"N 1.05 mi. north of 34° 50'N
TOTAL DEPTH: 2435' BASEMENT DEPTH: -2369' 76° 57' 54"W 1.97 mi. east of 77° 00'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: I-ES

CURRITUCK COUNTY

API NO.: 32-053-1 WELL NAME: Twiford #1 COMPANY: E. F. Blair & Assoc.
CHRON NO.: 48 COMPLETION DATE: 10-8-65 LOCATION: 36° 18' 10"N 2.09 mi. south of 36° 20'N
TOTAL DEPTH: 4553' BASEMENT DEPTH: -4516' 75° 55' 30"W 0.47 mi. west of 75° 55'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES, GR-CAL-S

API NO.: 32-053-2 WELL NAME: Kellog #1 COMPANY: Rapp Oil Corp.
CHRON NO.: 67 COMPLETION DATE: 10-20-69 LOCATION: 36° 07' 02"N 2.31 mi. north of 36° 05'N
TOTAL DEPTH: 5118' BASEMENT DEPTH: -5055' 75° 51' 10"W 1.1 mi. west of 75° 50'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: I-ES, GR-CAL-S, ML

DARE COUNTY

API NO.: 32-055-1 WELL NAME: Esso #1 Hatteras Light COMPANY: Standard of New Jersey
CHRON NO.: 3 COMPLETION DATE: 7-15-46 LOCATION: 35° 15' 00"N
TOTAL DEPTH: 10,044' BASEMENT DEPTH: -9853' 75° 31' 45"W 1.65 mi. west of 75° 30'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: I-ES

API NO.: 32-055-2 WELL NAME: Esso #2 Pamlico Sound COMPANY: Standard of New Jersey
CHRON NO.: 12 COMPLETION DATE: 3-12-47 LOCATION: 35° 42' 12"N 2.51 mi. north of 35° 40'N
TOTAL DEPTH: 6410' BASEMENT DEPTH: NR 75° 35' 54"W 0.85 mi. west of 75° 35'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES

API NO.: 32-055-3 WELL NAME: Mobil #1 COMPANY: Mobil Oil Corp.
CHRON NO.: 44 COMPLETION DATE: 7-11-65 LOCATION: 35° 59' 55"N 0.1 mi. south of 36° 00'N
TOTAL DEPTH: 5269' BASEMENT DEPTH: -5146' 75° 52' 00"W 1.88 mi. west of 75° 50'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: I-ES

API NO.: 32-055-4 WELL NAME: Mobil #2 COMPANY: Mobil Oil Corp.
CHRON NO.: 45 COMPLETION DATE: 8-1-65 LOCATION: 35° 26' 20"N 1.52 mi. north of 35° 25'N
TOTAL DEPTH: 8386' BASEMENT DEPTH: -8336' 75° 34' 35"W 0.39 mi. east of 75° 35'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: I-ES

API NO.: 32-055-5 WELL NAME: Marshall Collins #1 COMPANY: E. F. Blair & Assoc.
CHRON NO.: 49 COMPLETION DATE: 11-5-65 LOCATION: 35° 53' 00"N 2.28 mi. south of 35° 55'N
TOTAL DEPTH: 6295' BASEMENT DEPTH: -6266' 75° 40' 15"W 0.24 mi. west of 75° 40'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES, GR-CAL-S

API NO.: 32-055-6 WELL NAME: West Va. Pulp & Paper #1 COMPANY: E. F. Blair & Assoc.
 CHRON NO.: 50 COMPLETION DATE: 12-1-65 LOCATION: 35° 51' 50"N 2.09 mi. north of 35° 50'N
 TOTAL DEPTH: 5147' BASEMENT DEPTH: -5119' 75° 55' 30"W 0.47 mi. west of 75° 55'W
 DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES, GR-N, D-CAL

API NO.: 32-055-7 WELL NAME: Etheridge #1 COMPANY: Rapp Oil Corp.
 CHRON NO.: 68 COMPLETION DATE: 11-16-69 LOCATION: 35° 55' 26"N 0.5 mi. north of 35° 55'N
 TOTAL DEPTH: 6049' BASEMENT DEPTH: NR 75° 40' 38"W 0.6 mi. west of 75° 40'W
 DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES

API NO.: 32-055-8 WELL NAME: L. Twiford #1 COMPANY: Rapp Oil Corp.
 CHRON NO.: 69 COMPLETION DATE: 12-8-69 LOCATION: 35° 42' 12"N 2.5 mi. north of 35° 40'N
 TOTAL DEPTH: 5940' BASEMENT DEPTH: NR 75° 46' 17"W 1.2 mi. west of 75° 45'W
 DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES, GR-CAL-S, GR-N, CB, T

API NO.: 32-055-9 WELL NAME: Westvaco #1A COMPANY: Cities Service
 CHRON NO.: 101 COMPLETION DATE: 9-23-71 LOCATION: 35° 39' 36"N 0.46 mi. south of 35° 40'N
 TOTAL DEPTH: 6288' BASEMENT DEPTH: -6112' 75° 46' 40"W 1.56 mi. west of 75° 45'W
 DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES, GR-N-CAL, GR-D, DIL, GR-CAL-S, MCL

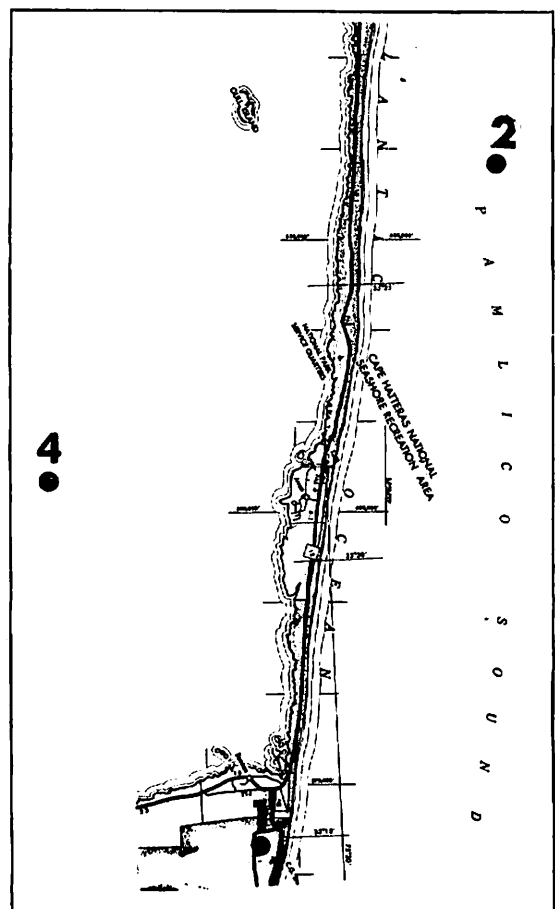
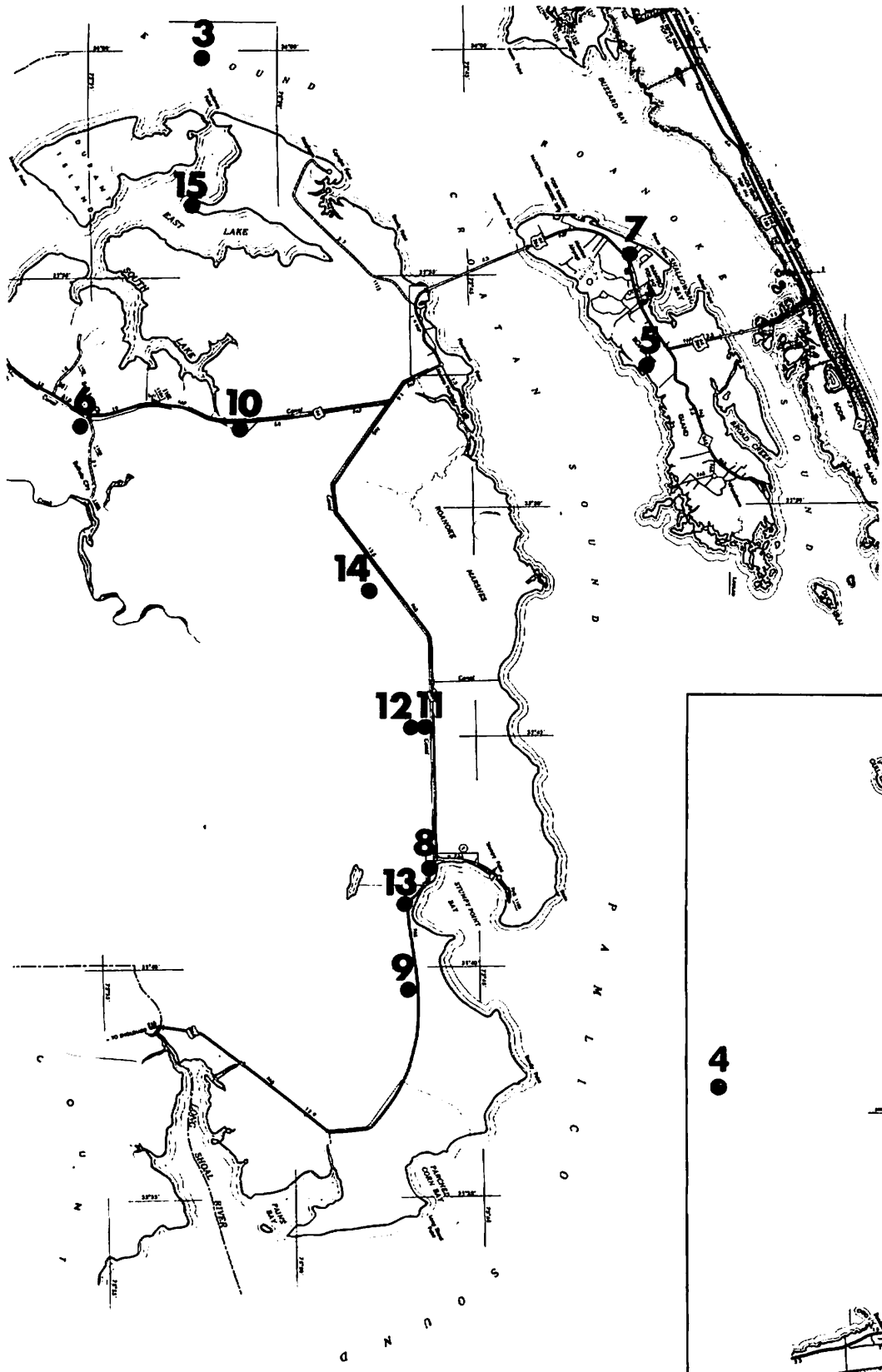
API NO.: 32-055-10 WELL NAME: Westvaco #2A COMPANY: Cities Service
 CHRON NO.: 102 COMPLETION DATE: 10-7-71 LOCATION: 35° 51' 48"N 2.05 mi. north of 35° 50'N
 TOTAL DEPTH: 5817' BASEMENT DEPTH: -5409' 75° 51' 04"W 1.0 mi. west of 75° 50'W
 DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES, GR-CAL-N, GR-CAL-D, GR-CAL-S, FT

API NO.: 32-055-11 WELL NAME: Westvaco #1 COMPANY: Gentles
 CHRON NO.: 111 COMPLETION DATE: 8-25-73 LOCATION: 35° 45' 15"N 0.28 mi. north of 35° 45'N
 TOTAL DEPTH: 5320' BASEMENT DEPTH: NR 75° 46' 22"W 1.29 mi. west of 75° 45'W
 DRILLER'S CUTTINGS/LOG: No/Yes GEOPHYSICAL LOGS: GR

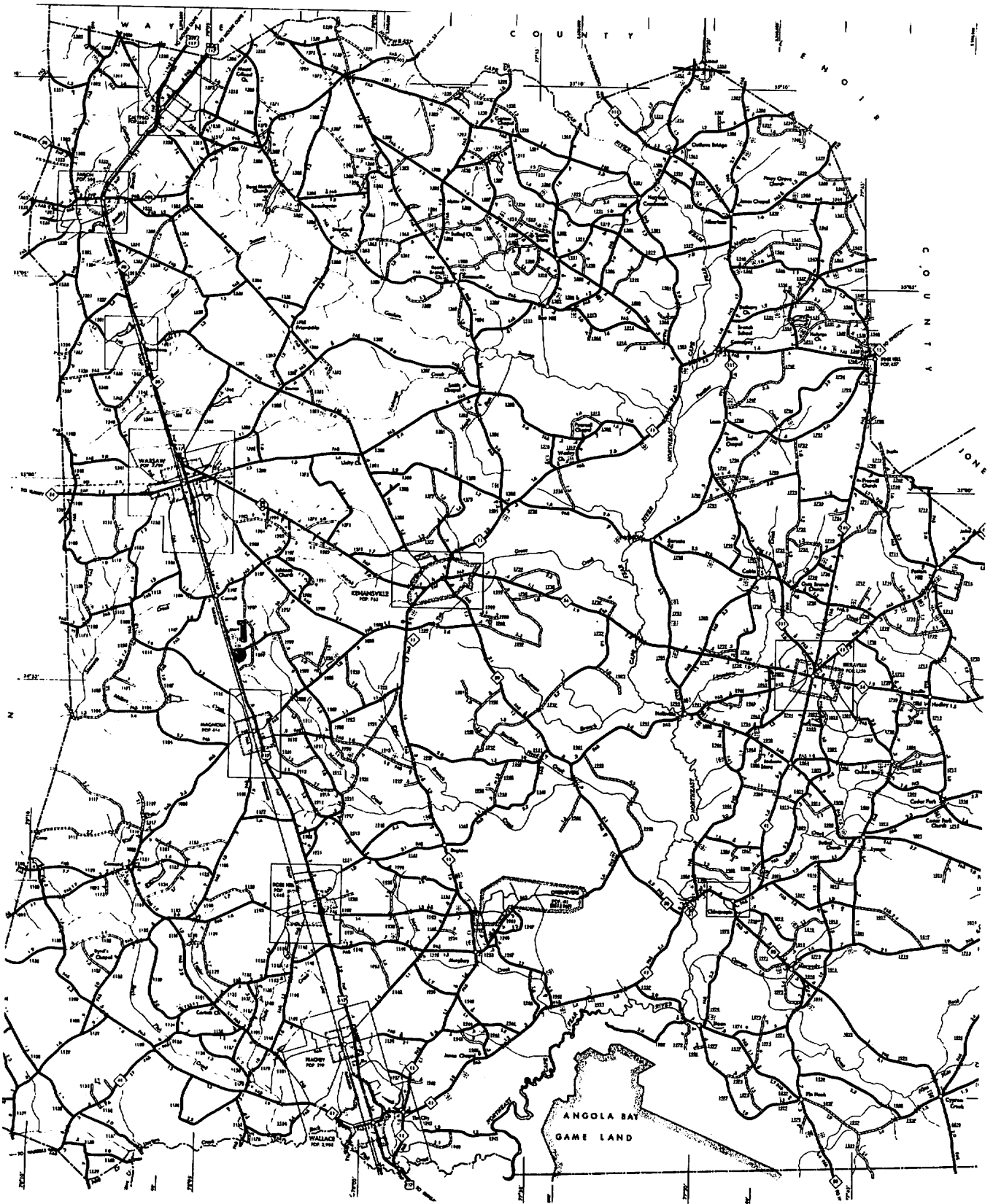
API NO.: 32-055-12 WELL NAME: Westvaco #2 COMPANY: Gentles
 CHRON NO.: 112 COMPLETION DATE: 8-25-73 LOCATION: 35° 45' 15"N 0.28 mi. north of 35° 45'N
 TOTAL DEPTH: 6079' BASEMENT DEPTH: -6057' 75° 46' 24"W 1.31 mi. west of 75° 45'W
 DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: I-ES, GR-CAL-S, GR-CAL-D

API NO.: 32-055-13 WELL NAME: Westvaco #3 COMPANY: Gentles
 CHRON NO.: 113 COMPLETION DATE: 10-7-73 LOCATION: 35° 41' 24"N 1.6 mi. north of 35° 40'N
 TOTAL DEPTH: 5880' BASEMENT DEPTH: -5809' 75° 46' 49"W 1.71 mi. west of 75° 45'W
 DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: I-ES, GR-CAL-S

API NO.: 32-055-14 WELL NAME: First Colony Farms #1 COMPANY: Cities Service
 CHRON NO.: 118 COMPLETION DATE: 4-4-74 LOCATION: 35° 48' 19"N 1.92 mi. south of 35° 50'N
 TOTAL DEPTH: 5582' BASEMENT DEPTH: -5530' 75° 47' 48"W 2.07 mi. east of 75° 50'W
 DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES, GR-CAL-S



DARE COUNTY



SCALE
0 1 2 3 4 5 6 7 8 9 10

DUPLIN COUNTY

API NO.: 32-055-15 WELL NAME: First Colony Farms #A-2 COMPANY: Cities Service
CHRON NO.: 119 COMPLETION DATE: 4-27-74 LOCATION: 35° 56' 38"N 1.86 mi. north of 35° 55'N
TOTAL DEPTH: 5260' BASEMENT DEPTH: -5209' 75° 52' 20"N 2.19 mi. west of 75° 50'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES, GR-CAL-D, GR-CAL-S, GR-N, FT

DUPLIN COUNTY

API NO.: 32-061-1 WELL NAME: Jones #1 COMPANY: Coastal States Oil
CHRON NO.: 73 COMPLETION DATE: 9-10-69 LOCATION: 34° 55' 42"N 0.8 mi. north of 34° 55'N
TOTAL DEPTH: 596' BASEMENT DEPTH: NP 78° 03' 50"W 1.1 mi. east of 78° 05'W
DRILLER'S CUTTINGS/LOG: No/Yes GEOPHYSICAL LOGS: None

GATES COUNTY

API NO.: 32-073-1 WELL NAME: Weyerhaeuser #1 COMPANY: S. E. Cullinan Drilling
CHRON NO.: 100 COMPLETION DATE: 7-8-71 LOCATION: 36° 26' 00"N 1.14 mi. north of 36° 25'N
TOTAL DEPTH: 2138' BASEMENT DEPTH: -2088' 76° 30' 00"W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES, GR-CAL

HERTFORD COUNTY

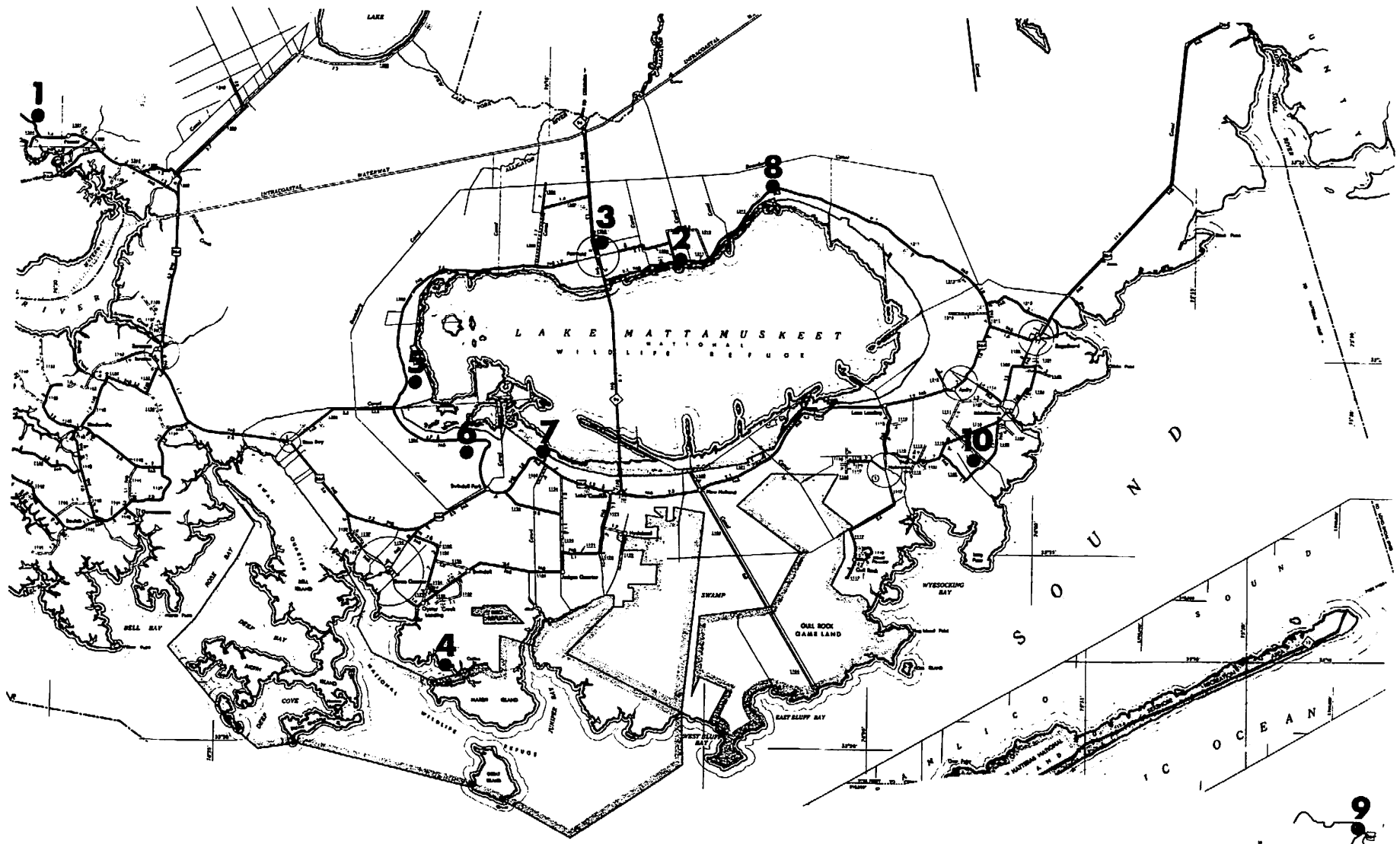
API NO.: 32-091-1 WELL NAME: Bazemore #1 COMPANY: Pam-Beau Drilling
CHRON NO.: 14 COMPLETION DATE: 8-?-49 LOCATION: Just off North Carolina Highway 45 (not plotted).
TOTAL DEPTH: 1278' BASEMENT DEPTH: NP
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: None

HYDE COUNTY

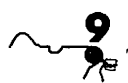
API NO.: 32-095-1 WELL NAME: Rhem #1 COMPANY: Davidson Oil
CHRON NO.: 19 COMPLETION DATE: 11-6-51 LOCATION: 35° 35' 50"N 0.95 mi. north of 35° 35'N
TOTAL DEPTH: 3123' BASEMENT DEPTH: NP 76° 30' 45"W 0.7 mi. west of 76° 30'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: None

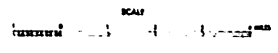
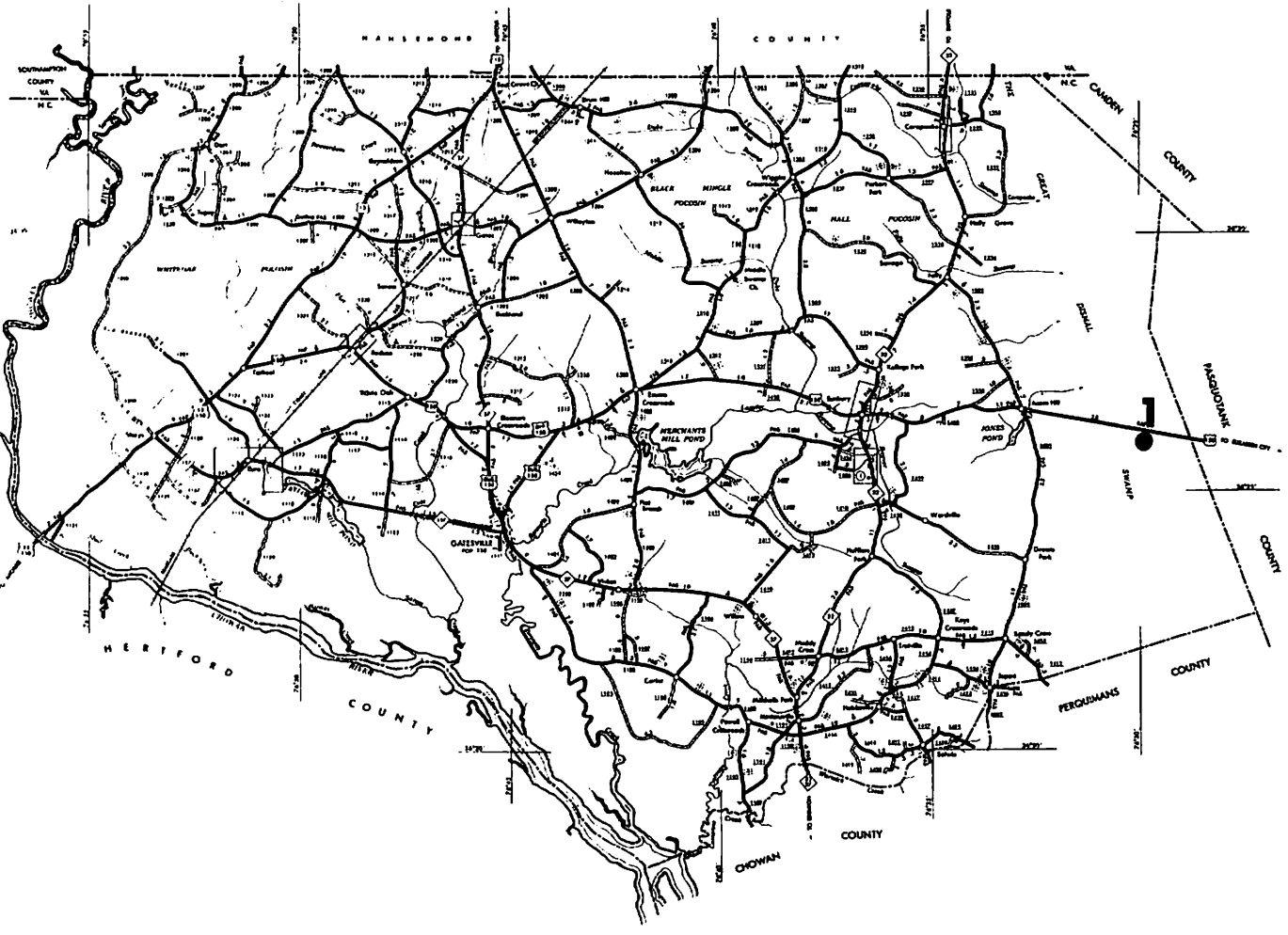
API NO.: 32-095-2 WELL NAME: F. F. Spencer, Jr. #1 COMPANY: Coastal Plains Oil
CHRON NO.: 22 COMPLETION DATE: 3-28-59 LOCATION: 35° 32' 22"N 2.7 mi. north of 35° 30'N
TOTAL DEPTH: 1635' BASEMENT DEPTH: NR 76° 10' 51"W 0.8 mi. west of 76° 10'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: None

API NO.: 32-095-3 WELL NAME: D. Q. Holton #1 COMPANY: Coastal Plains Oil
CHRON NO.: 23 COMPLETION DATE: 4-3-59 LOCATION: 35° 32' 45"N 2.57 mi. south of 35° 35'N
TOTAL DEPTH: 2005' BASEMENT DEPTH: NR 76° 13' 30"W 1.41 mi. east of 76° 15'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: None



HYDE COUNTY





GATES COUNTY

API NO.: 32-095-4 WELL NAME: J. L. Simmons, Jr. #1 COMPANY: Coastal Plains Oil
CHRON NO.: 24 COMPLETION DATE: 4-10-59 LOCATION: 35° 22' 00"N 2.28 mi. north of 35° 20'N
TOTAL DEPTH: 1685' BASEMENT DEPTH: NR 76° 18' 00"W 1.88 mi. east of 76° 20'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: None

API NO.: 32-095-5 WELL NAME: J. L. Simmons #2 COMPANY: Coastal Plains Oil
CHRON NO.: 25 COMPLETION DATE: 4-18-59 LOCATION: 35° 29' 10"N 0.95 mi. south of 35° 30'W
TOTAL DEPTH: 2005' BASEMENT DEPTH: NR 76° 19' 10"W 0.78 mi. east of 76° 20'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: None

API NO.: 32-095-6 WELL NAME: W. Williams #1 COMPANY: Coastal Plains Oil
CHRON NO.: 26 COMPLETION DATE: 4-22-59 LOCATION: 35° 27' 30"N 2.85 mi. north of 35° 25'N
TOTAL DEPTH: 2005' BASEMENT DEPTH: NR 76° 17' 30"W 2.35 mi. east of 76° 20'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: None

API NO.: 32-095-7 WELL NAME: M. M. Swindell #1 COMPANY: Coastal Plains Oil
CHRON NO.: 27 COMPLETION DATE: 4-28-59 LOCATION: 35° 27' 27"N 2.8 mi. north of 35° 25'N
TOTAL DEPTH: 2005' BASEMENT DEPTH: NR 76° 15' 06"W 0.1 mi. west of 76° 15'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: None

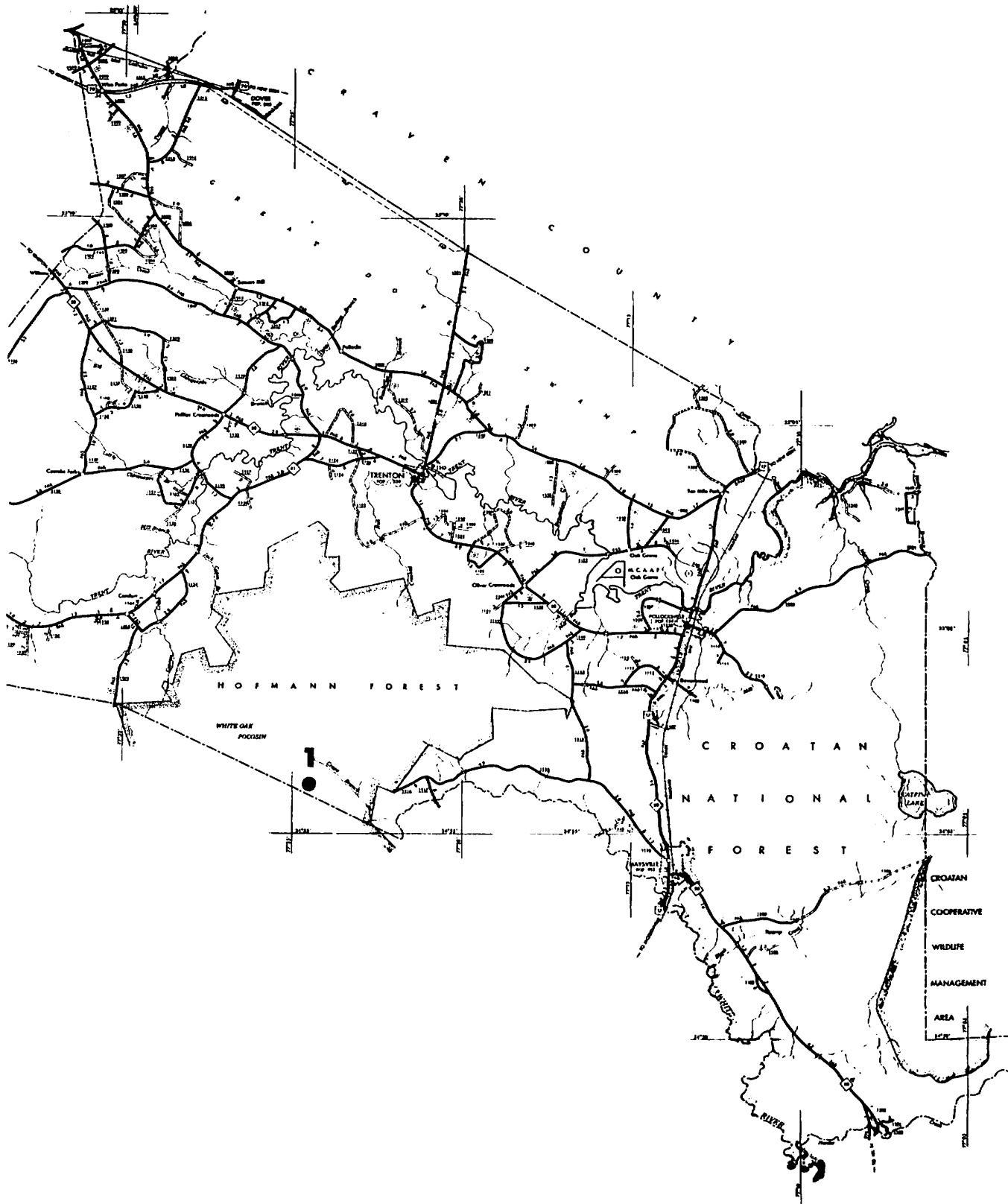
API NO.: 32-095-8 WELL NAME: J. M. Ballance #1 COMPANY: Coastal Plains Oil
CHRON NO.: 28 COMPLETION DATE: 5-3-59 LOCATION: 35° 34' 18"N 0.8 mi. south of 35° 35'N
TOTAL DEPTH: 2005' BASEMENT DEPTH: NR 76° 08' 05"W 1.8 mi. east of 76° 10'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: None

API NO.: 32-095-9 WELL NAME: Mobil #3 Pamlico Sound COMPANY: Mobil Oil Corp.
CHRON NO.: 46 COMPLETION DATE: 8-23-65 LOCATION: 35° 18' 25"N 2.0 mi. south of 35° 20'N
TOTAL DEPTH: 7314' BASEMENT DEPTH: -7236' 75° 49' 45"W 0.24 mi. east of 75° 50'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: I-ES

API NO.: 32-095-10 WELL NAME: O. Ballance #1 COMPANY: E. F. Blair & Assoc.
CHRON NO.: 51 COMPLETION DATE: 12-22-65 LOCATION: 35° 27' 25"N 2.76 mi. north of 35° 25'N
TOTAL DEPTH: 5570' BASEMENT DEPTH: NR 76° 01' 50"W 1.72 mi. west of 76° 00'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: GR-N

JONES COUNTY

API NO.: 32-103-1 WELL NAME: Peter Henderson #2, Hofmann Forest COMPANY: Peter Henderson
CHRON NO.: 34 COMPLETION DATE: 6-8-60 LOCATION: 34° 56' 15"N 1.44 mi. north of 34° 55'N
TOTAL DEPTH: 1218' BASEMENT DEPTH: -1163' 77° 24' 30"W 0.47 mi. east of 77° 25'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: None



JONES COUNTY

LEE COUNTY

API NO.: 32-105-1 WELL NAME: V. R. Groce #1 COMPANY: Chevron
CHRON NO.: 120 COMPLETION DATE: 10-29-74 LOCATION: 35° 29' 52"N 0.15 mi. south of 35° 30'N
TOTAL DEPTH: 5348' BASEMENT DEPTH: NP 79° 15' 39"W 0.61 mi. west of 79° 15'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: I-ES, GR-S, GR-N-D, DIL, GR-D, MCL

NEW HANOVER COUNTY

API NO.: 32-129-1 WELL NAME: Fort Fisher #1 COMPANY: N. C. Oil & Gas
CHRON NO.: 61 COMPLETION DATE: 9-11-66 LOCATION: 33° 58' 25"N 2.0 mi. south of 34° 00'N
TOTAL DEPTH: 1558' BASEMENT DEPTH: -1536' 77° 55' 10"W 0.16 mi. west of 77° 55'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES, GR

API NO.: 32-129-2 WELL NAME: Suggs #1 COMPANY: Coastal States Oil
CHRON NO.: 70 COMPLETION DATE: 8-8-69 LOCATION: 34° 03' 42"N 1.5 mi. south of 34° 05'N
TOTAL DEPTH: 1185' BASEMENT DEPTH: NR 77° 54' 28"W 0.5 mi. east of 77° 55'W
DRILLER'S CUTTINGS/LOG: No/Yes GEOPHYSICAL LOGS: GR-N

API NO.: 32-129-3 WELL NAME: J. H. Foy #1 COMPANY: Coastal States Oil
CHRON NO.: 71 COMPLETION DATE: 8-19-69 LOCATION: 34° 18' 07"N 2.15 mi. south of 34° 20'N
TOTAL DEPTH: 1306' BASEMENT DEPTH: -1267' 77° 42' 57"W 1.92 mi. west of 77° 45'W
DRILLER'S CUTTINGS/LOG: No/Yes GEOPHYSICAL LOGS: GR-N

ONslow COUNTY

API NO.: 32-133-1 WELL NAME: Cadco #1 COMPANY: International Paper
CHRON NO.: 15 COMPLETION DATE: 8-5-50 LOCATION: 34° 32' 50"N 2.47 mi. south of 34° 35'N
TOTAL DEPTH: 1497' BASEMENT DEPTH: NP 77° 33' 00"W 1.88 mi. east of 77° 35'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: None

API NO.: 32-133-2 WELL NAME: Cadco #2 COMPANY: International Paper
CHRON NO.: 16 COMPLETION DATE: 11-10-50 LOCATION: 34° 38' 00"N 2.3 mi. south of 34° 40'N
TOTAL DEPTH: 1493' BASEMENT DEPTH: NP 77° 29' 55"W 0.08 mi. east of 77° 30'W
DRILLER'S CUTTINGS/LOG: No/Yes GEOPHYSICAL LOGS: None

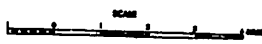
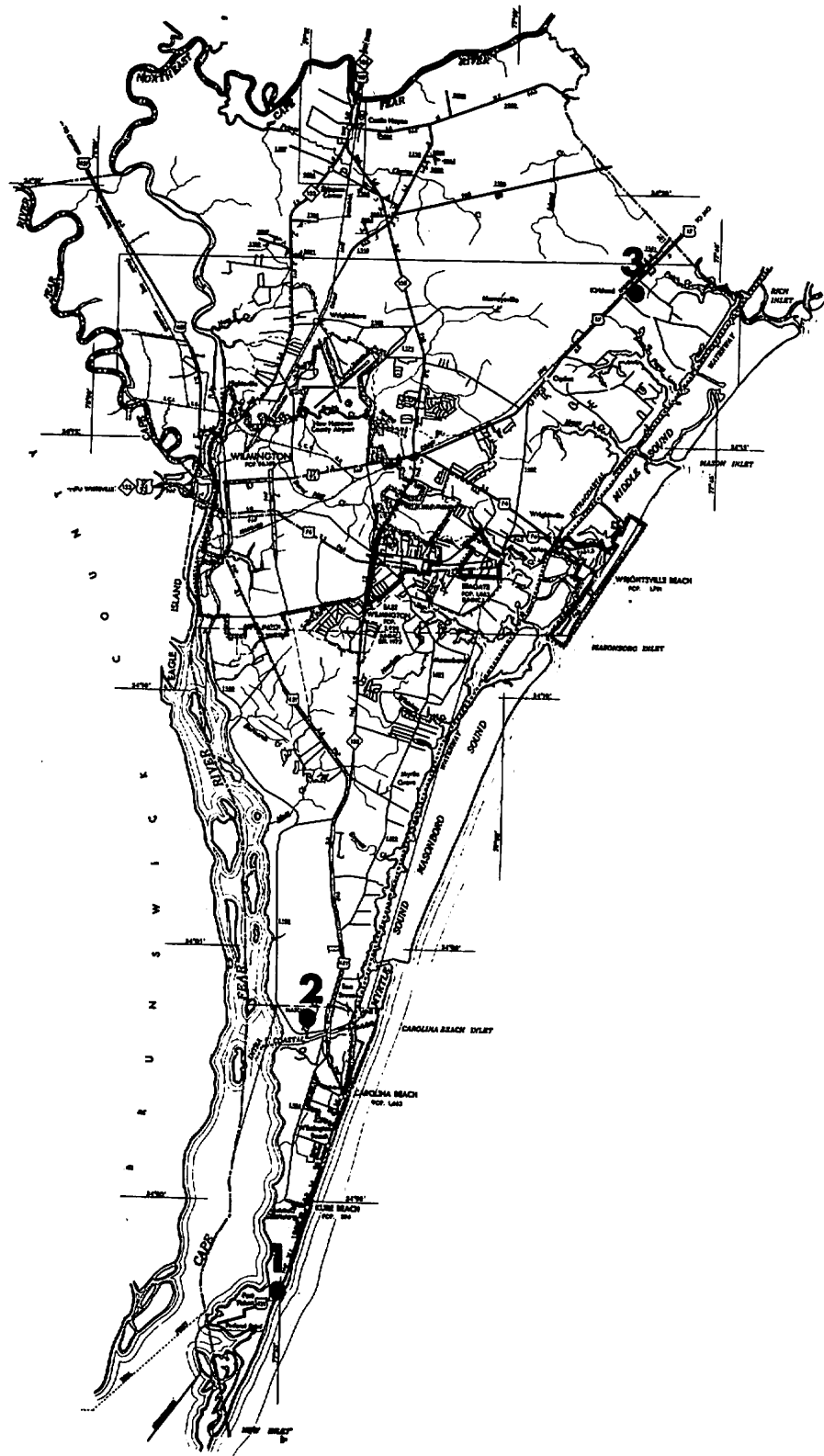
API NO.: 32-133-3 WELL NAME: Hofmann Forest #1 COMPANY: E. T. Burton
CHRON NO.: 20 COMPLETION DATE: 2-18-53 LOCATION: 34° 50' 00"N
TOTAL DEPTH: 1570' BASEMENT DEPTH: -1520' 77° 16' 49"W 1.57 mi. west of 77° 15'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES

API NO.: 32-133-4 WELL NAME: Seay-Hoffmann Forest #1 COMPANY: Bryant Seay
CHRON NO.: 29 COMPLETION DATE: 5-16-59 LOCATION: 34° 54' 00"N 1.15 mi. south of 34° 55'N
TOTAL DEPTH: 1433' BASEMENT DEPTH: -1368' 77° 23' 45"W 1.17 mi. east of 77° 25'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES

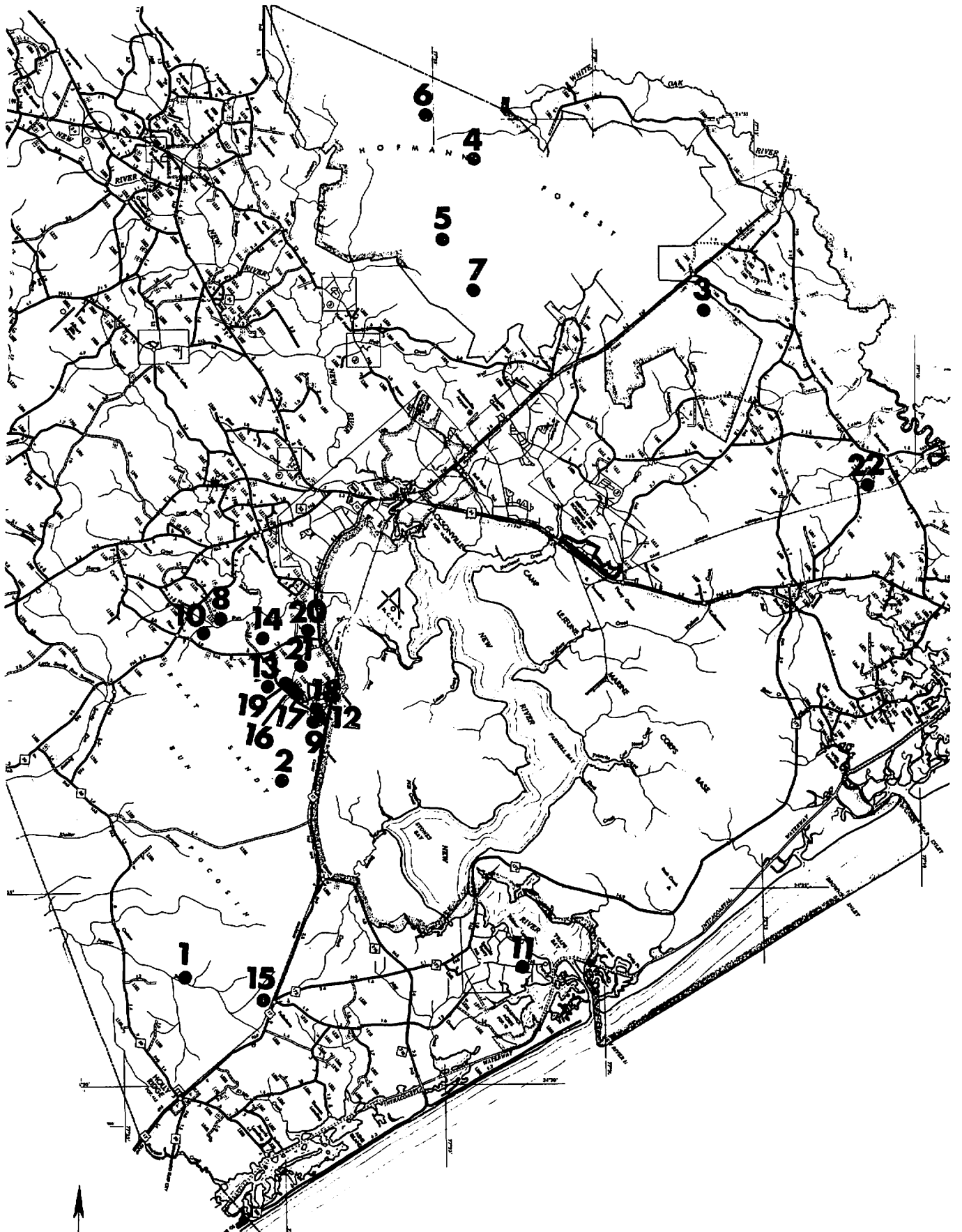


SCALE
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LEE COUNTY



NEW HANOVER COUNTY



ONSLOW COUNTY

API NO.: 32-133-5 WELL NAME: Seay-Hoffmann Forest #2 COMPANY: Bryant Seay
 CHRON NO.: 30 COMPLETION DATE: 5-27-59 LOCATION: 34° 51' 55"N 2.2 mi. north of 34° 50'N
 TOTAL DEPTH: 1337' BASEMENT DEPTH: -1303' 77° 24' 45"W 0.23 mi. east of 77° 25'W
 DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES

API NO.: 32-133-6 WELL NAME: Peter Henderson #1, Hofmann Forest COMPANY: Peter Henderson
 CHRON NO.: 33 COMPLETION DATE: 6-6-60 LOCATION: 34° 55' 07"N 0.13 mi. north of 34° 55'N
 TOTAL DEPTH: 1239' BASEMENT DEPTH: NR 77° 25' 13"W 0.2 mi. west of 77° 25'W
 DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: None

API NO.: 32-133-7 WELL NAME: Peter Henderson #3, Hofmann Forest COMPANY: Peter Henderson
 CHRON NO.: 35 COMPLETION DATE: 6-15-60 LOCATION: 34° 49' 30"N 0.57 mi. south of 34° 50'N
 TOTAL DEPTH: 1328' BASEMENT DEPTH: NP 77° 23' 55"W 1.02 mi. east of 77° 25'W
 DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: None

API NO.: 32-133-8 WELL NAME: James #1 COMPANY: N. C. Oil & Gas
 CHRON NO.: 54 COMPLETION DATE: 4-20-66 LOCATION: 34° 42' 00"N 2.28 mi. north of 34° 40'N
 TOTAL DEPTH: 1254' BASEMENT DEPTH: -1200' 77° 32' 00"W 1.88 mi. west of 77° 30'W
 DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES, GR-N

API NO.: 32-133-9 WELL NAME: International Paper #1 COMPANY: N. C. Oil & Gas
 CHRON NO.: 55 COMPLETION DATE: 5-14-66 LOCATION: 34° 39' 30"N 0.57 mi. south of 34° 40'N
 TOTAL DEPTH: 1249' BASEMENT DEPTH: NR 77° 28' 50"W 1.10 mi. east of 77° 30'W
 DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: I-ES, GR-CAL-D

API NO.: 32-133-10 WELL NAME: Sheppard #1 COMPANY: N. C. Oil & Gas
 CHRON NO.: 59 COMPLETION DATE: 8-7-66 LOCATION: 34° 41' 50"N 2.09 mi. north of 34° 40'N
 TOTAL DEPTH: 1276' BASEMENT DEPTH: -1223' 77° 32' 15"W 2.16 mi. west of 77° 30'W
 DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES

API NO.: 32-133-11 WELL NAME: Justice #1 COMPANY: N. C. Oil & Gas
 CHRON NO.: 60 COMPLETION DATE: 8-25-66 LOCATION: 34° 33' 00"N 2.28 mi. south of 34° 35'N
 TOTAL DEPTH: 1681' BASEMENT DEPTH: -1658' 77° 22' 30"W 2.35 mi. west of 77° 20'W
 DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: I-ES, GR

API NO.: 32-133-12 WELL NAME: International Paper #2 COMPANY: N. C. Oil & Gas
 CHRON NO.: 62 COMPLETION DATE: 1-9-67 LOCATION: 34° 39' 37"N 0.44 mi. south of 34° 40'N
 TOTAL DEPTH: 1402' BASEMENT DEPTH: NP 77° 28' 44"W 1.19 mi. east of 77° 30'W
 DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES, GR-CAL-D

API NO.: 32-133-13 WELL NAME: Baucom #1 COMPANY: N. C. Oil & Gas
 CHRON NO.: 63 COMPLETION DATE: 1-28-67 LOCATION: 34° 40' 20"N 0.38 mi. north of 34° 40'N
 TOTAL DEPTH: 1414' BASEMENT DEPTH: -1355' 77° 30' 20"W 0.31 mi. west of 77° 30'W
 DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES, GR-CAL-D

API NO.: 32-133-14 WELL NAME: Evan #1 COMPANY: N. C. Oil & Gas
 CHRON NO.: 64 COMPLETION DATE: 2-6-67 LOCATION: 34° 41' 30"N 1.71 mi. north of 34° 40'N
 TOTAL DEPTH: 1370' BASEMENT DEPTH: -1367' 77° 30' 30"W 0.47 mi. west of 77° 30'W
 DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES, GR-N, D

API NO.: 32-133-15 WELL NAME: Spicer #1 COMPANY: N. C. Oil & Gas
 CHRON NO.: 66 COMPLETION DATE: 9-7-67 LOCATION: 34° 32' 17"N 2.6 mi. north of 34° 30'N
 TOTAL DEPTH: 1174' BASEMENT DEPTH: NR 77° 30' 35"W 0.55 mi. west of 77° 30'W
 DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: None

API NO.: 32-133-16 WELL NAME: J. A. Parker #1 COMPANY: Coastal States
 CHRON NO.: 77 COMPLETION DATE: 11-9-69 LOCATION: 34° 40' 20"N 0.38 mi. north of 34° 40'N
 TOTAL DEPTH: 1070' BASEMENT DEPTH: NR 77° 29' 35"W 0.39 mi. east of 77° 30'W
 DRILLER'S CUTTINGS/LOG: No/Yes GEOPHYSICAL LOGS: GR, SP-SPR

API NO.: 32-133-17 WELL NAME: J. A. Parker #2 COMPANY: Coastal States
 CHRON NO.: 78 COMPLETION DATE: 11-14-69 LOCATION: 34° 40' 10"N 0.2 mi. north of 34° 40'N
 TOTAL DEPTH: 1030' BASEMENT DEPTH: NR 77° 29' 28"W 0.5 mi. east of 77° 30'W
 DRILLER'S CUTTINGS/LOG: No/Yes GEOPHYSICAL LOGS: None

API NO.: 32-133-18 WELL NAME: Leo J. Foy #1 COMPANY: Coastal States
 CHRON NO.: 79 COMPLETION DATE: 11-19-69 LOCATION: 34° 39' 44"N 0.3 mi. south of 34° 40'N
 TOTAL DEPTH: 1015' BASEMENT DEPTH: NR 77° 28' 50"W 1.1 mi. east of 77° 30'W
 DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: None

API NO.: 32-133-19 WELL NAME: J. A. Parker #3 COMPANY: Coastal States
 CHRON NO.: 80 COMPLETION DATE: 2-10-70 LOCATION: 34° 40' 29"N 0.55 mi. north of 34° 40'N
 TOTAL DEPTH: 900' BASEMENT DEPTH: NR 77° 29' 44"W 0.25 mi. east of 77° 30'W
 DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: None

API NO.: 32-133-20 WELL NAME: C. H. Foy #1 COMPANY: Coastal States
 CHRON NO.: 81 COMPLETION DATE: 2-20-70 LOCATION: 34° 41' 51"N 2.1 mi. north of 34° 40'N
 TOTAL DEPTH: 550' BASEMENT DEPTH: NR 77° 29' 12"W 0.75 mi. east of 77° 30'W
 DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: None

API NO.: 32-133-21 WELL NAME: G. Sewell #1 COMPANY: Coastal States
 CHRON NO.: 82 COMPLETION DATE: 3-10-70 LOCATION: 34° 40' 47"N 0.9 mi. north of 34° 40'N
 TOTAL DEPTH: 700' BASEMENT DEPTH: NR 77° 29' 20"W 0.63 mi. east of 77° 30'W
 DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: GR

API NO.: 32-133-22 WELL NAME: Lee Parker #1 COMPANY: Colonial Oil & Gas
 CHRON NO.: 83 COMPLETION DATE: 6-30-70 LOCATION: 34° 45' 26"N 0.5 mi. north of 34° 45'N
 TOTAL DEPTH: 2009' BASEMENT DEPTH: -1775' 77° 11' 36"W 1.5 mi. west of 77° 10'W
 DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES, GR-D

PAMLICO COUNTY

API NO.: 32-137-1 WELL NAME: N. C. Pulpwood #1 COMPANY: Carolina Petroleum
CHRON NO.: 10 COMPLETION DATE: 2-24-47 LOCATION: 35° 04' 35"N 0.48 mi. south of 35° 05'N
TOTAL DEPTH: 3666' BASEMENT DEPTH: -3648' 76° 39' 00"W 0.94 mi. east of 76° 40'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: I-ES

API NO.: 32-137-2 WELL NAME: Atlas Plywood #1 COMPANY; Carolina Petroleum
CHRON NO.: 11 COMPLETION DATE: 3-11-47 LOCATION: 35° 05' 15"N 0.29 mi. north of 35° 05'N
TOTAL DEPTH: 3425' BASEMENT DEPTH: -3405' 76° 40' 35"W 0.55 mi. west of 76° 40'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: I-ES

API NO.: 32-137-3 WELL NAME: Lindley #1 COMPANY: Carolina Petroleum
CHRON NO.: 13 COMPLETION DATE: 5-4-47 LOCATION: 35° 05' 10"N 0.19 mi. north of 35° 05'N
TOTAL DEPTH: 2897' BASEMENT DEPTH: NR 76° 42' 00"W 1.88 mi. west of 76° 40'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES

PASQUOTANK COUNTY

API NO.: 32-139-1 WELL NAME: Hoerner Waldorf #1 COMPANY: S. E. Cullinan
CHRON NO.: 99 COMPLETION DATE: 6-26-71 LOCATION: 36° 20' 00"N
TOTAL DEPTH: 2715' BASEMENT DEPTH: -2599' 76° 22' 00"W 1.88 mi. west of 76° 20'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES

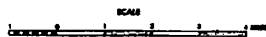
PENDER COUNTY

API NO.: 32-141-1 WELL NAME: Keith #1 COMPANY: Taylor Drilling
CHRON NO.: 32 COMPLETION DATE: 9-26-59 LOCATION: 34° 26' 45"N 2.0 mi. north of 34° 25'
TOTAL DEPTH: 720' BASEMENT DEPTH: NP 78° 11' 50"W 1.72 mi. west of 78° 10'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: None

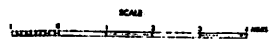
API NO.: 32-141-2 WELL NAME: Cowan #1 COMPANY; N. C. Oil & Gas
CHRON NO.: 52 COMPLETION DATE: 2-28-66 LOCATION: 34° 40' 30"N 0.57 mi. north of 34° 40'N
TOTAL DEPTH: 1000' BASEMENT DEPTH: -956' 77° 42' 30"W 2.35 mi. west of 77° 40'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: GR, GR-16N

API NO.: 32-141-3 WELL NAME: R. Batts #1 COMPANY; N. C. Oil & Gas
CHRON NO.: 53 COMPLETION DATE: 3-23-66 LOCATION: 34° 26' 45"N 2.0 mi. north of 34° 25'N
TOTAL DEPTH: 1493' BASEMENT DEPTH: -1452' 77° 33' 50"W 1.1 mi. east of 77° 35'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES, GR-N, GR-CCL

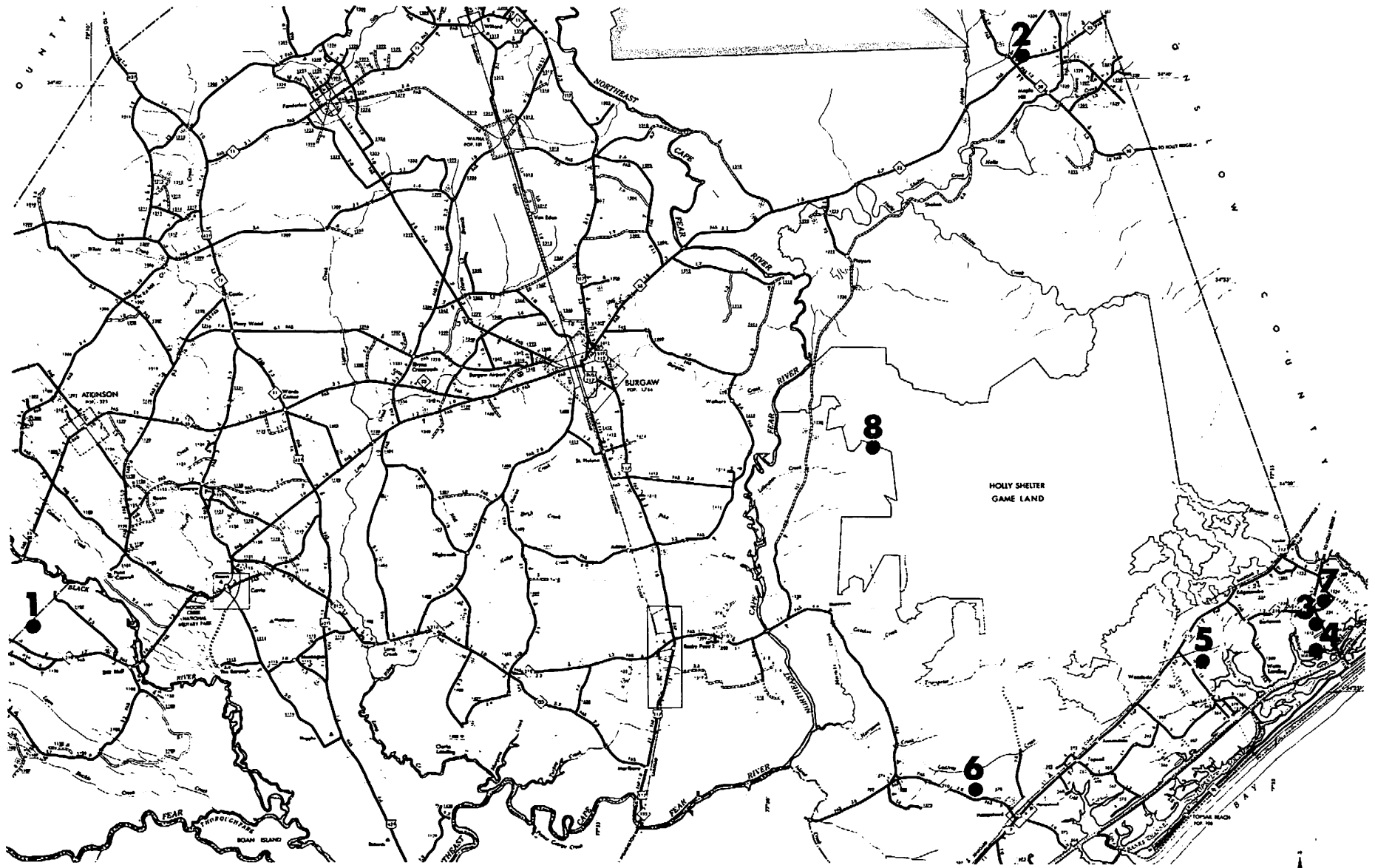
API NO.: 32-141-4 WELL NAME: Batts #2 COMPANY: N. C. Oil & Gas
CHRON NO.: 56 COMPLETION DATE: 6-5-66 LOCATION: 34° 26' 00"N 1.14 mi. north of 34° 25'N
TOTAL DEPTH: 1462' BASEMENT DEPTH: -1445' 77° 33' 50"W 1.1 mi. east of 77° 35'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: I-ES, GR-CAL-D



PAMLICO COUNTY



PASQUOTANK COUNTY



PENDER COUNTY



API NO.: 32-141-5 WELL NAME: MacMillan #1 COMPANY: N. C. Oil & Gas
CHRON NO.: 57 COMPLETION DATE: 7-17-66 LOCATION: 34° 25' 40"N 0.76 mi. north of 34° 25'N
TOTAL DEPTH: 1421' BASEMENT DEPTH: -1368' 77° 37' 10"W 2.04 mi. west of 77° 35'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES, GR

API NO.: 32-141-6 WELL NAME: Lea #1 COMPANY: N. C. Oil & Gas
CHRON NO.: 58 COMPLETION DATE: 7-28-66 LOCATION: 34° 22' 35"N 2.76 mi. south of 34° 25'N
TOTAL DEPTH: 1253' BASEMENT DEPTH: -1213' 77° 44' 00"W 0.94 mi. east of 77° 45'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: I-ES

API NO.: 32-141-7 WELL NAME: Sullivan #1 COMPANY: N. C. Oil & Gas
CHRON NO.: 65 COMPLETION DATE: 7-25-67 LOCATION: 34° 27' 16"N 2.58 mi. north of 34° 25'N
TOTAL DEPTH: 1472' BASEMENT DEPTH: NP 77° 33' 37"W 1.30 mi. east of 77° 35'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: I-ES, GR-N

API NO.: 32-141-8 WELL NAME: G. Meeks #1 COMPANY: Coastal States Oil
CHRON NO.: 74 COMPLETION DATE: 9-21-69 LOCATION: 34° 31' 00"N 1.14 mi. north 34° 30'N
TOTAL DEPTH: 940' BASEMENT DEPTH: NP 77° 47' 01"W 1.90 mi. west of 77° 45'W
DRILLER'S CUTTINGS/LOG: No/Yes GEOPHYSICAL LOGS: None

TYRRELL COUNTY

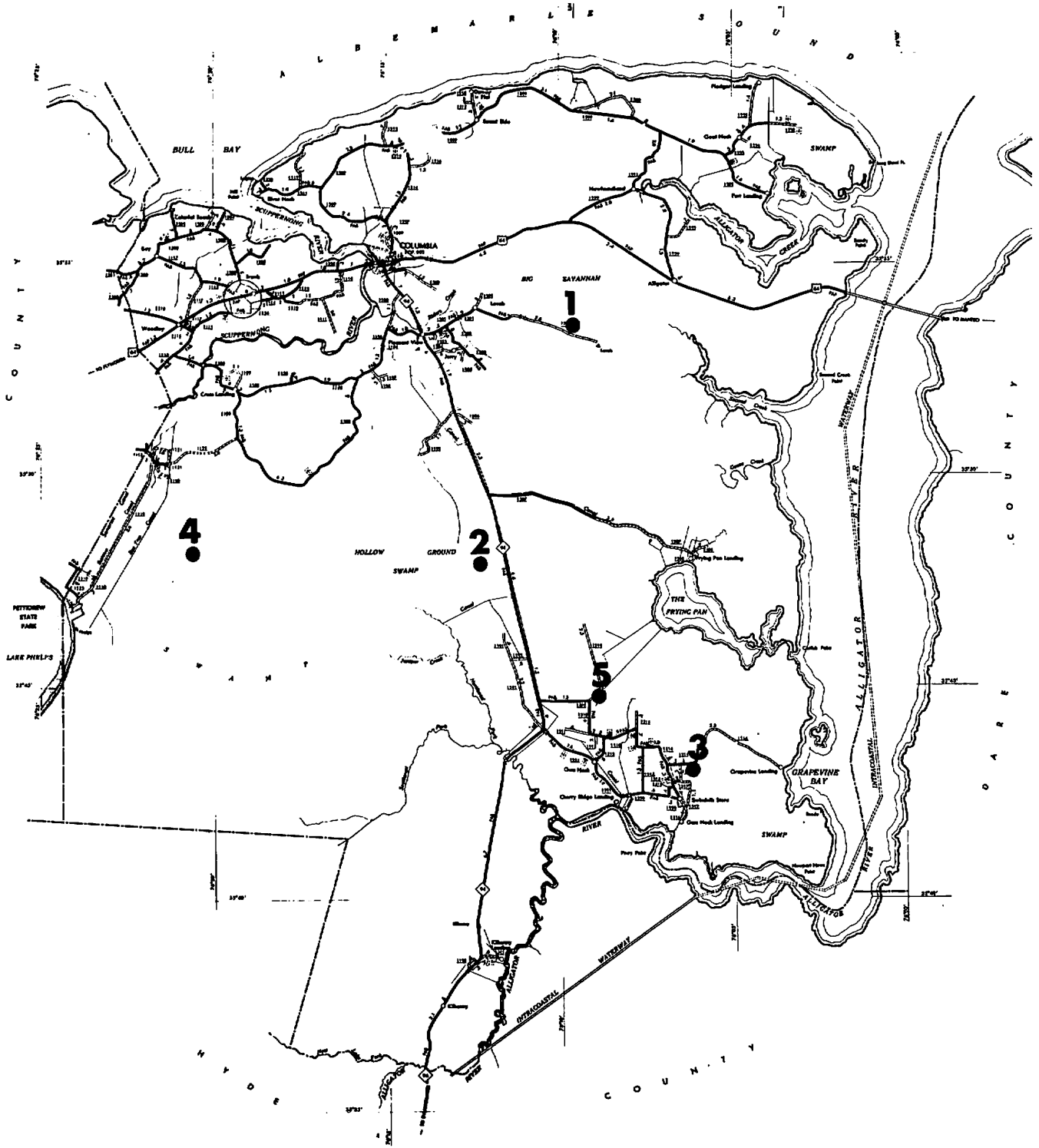
API NO.: 32-177-1 WELL NAME: Westvaco #2 COMPANY: Exchange Oil & Gas
CHRON NO.: 103 COMPLETION DATE: 11-14-71 LOCATION: 35° 53' 33"N 1.65 mi. south of 35° 55'N
TOTAL DEPTH: 4198' BASEMENT DEPTH: -3882' 76° 09' 35"W 0.4 mi. east of 76° 10'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: DIL, GR-CAL-N, GR-CAL-D

API NO.: 32-177-2 WELL NAME: Westvaco #1 COMPANY: Exchange Oil & Gas
CHRON NO.: 104 COMPLETION DATE: 11-29-71 LOCATION: 35° 47' 56"N 2.35 mi. south of 35° 50'N
TOTAL DEPTH: 4242' BASEMENT DEPTH: -4064' 76° 12' 20"W 2.2 mi. west of 76° 10'W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: DIL

API NO.: 32-177-3 WELL NAME: Westvaco #3 COMPANY: Exchange Oil & Gas
CHRON NO.: 105 COMPLETION DATE: 12-13-71 LOCATION: 35° 43' 02"N 2.25 mi. south of 35° 45'N
TOTAL DEPTH: 4855' BASEMENT DEPTH: -4734' 76° 06' 17"W 1.2 mi. west of 76° 05'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: DIL

API NO.: 32-177-4 WELL NAME: Whitehurst #1 COMPANY: R. H. Dekay
CHRON NO.: 106 COMPLETION DATE: 12-15-71 LOCATION: 35° 48' 15"N 2.0 mi. south of 35° 50'N
TOTAL DEPTH: 3564' BASEMENT DEPTH: -3487' 76° 20' 43"W 0.67 mi. west of 76° 20'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: I-ES, GR-SP-SPR

API NO.: 32-177-5 WELL NAME: White #1 COMPANY: Kit Development Co., Dekay
CHRON NO.: 107 COMPLETION DATE: 4-22-72 LOCATION: 35° 44' 47"N 0.25 mi. south of 35° 45'N
TOTAL DEPTH: 4315' BASEMENT DEPTH: NP 76° 08' 56"W 1.0 mi. east of 76° 10'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: DIL, GR-CAL-D, CD



TYRRELL COUNTY

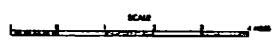
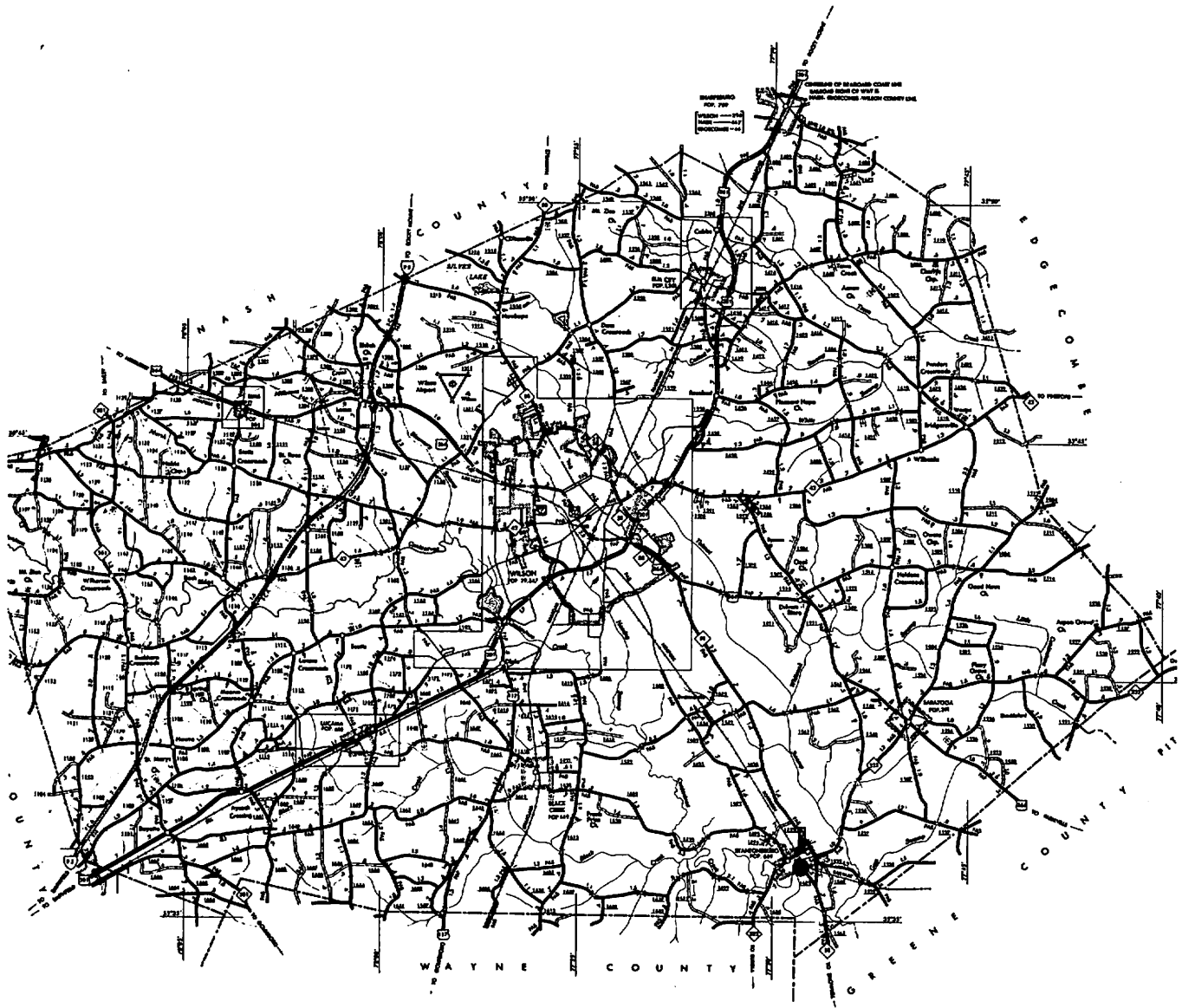
WASHINGTON COUNTY

API NO.: 32-187-1 WELL NAME: Roper #1 COMPANY: Davidson Oil
CHRON NO.: 17 COMPLETION DATE: 9-10-51 LOCATION: 35° 52' 45"N 2.57 mi. south of 35° 55'N
TOTAL DEPTH: 2223' BASEMENT DEPTH: NR 76° 37' 00"W 1.88 mi. west of 76° 35'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: None

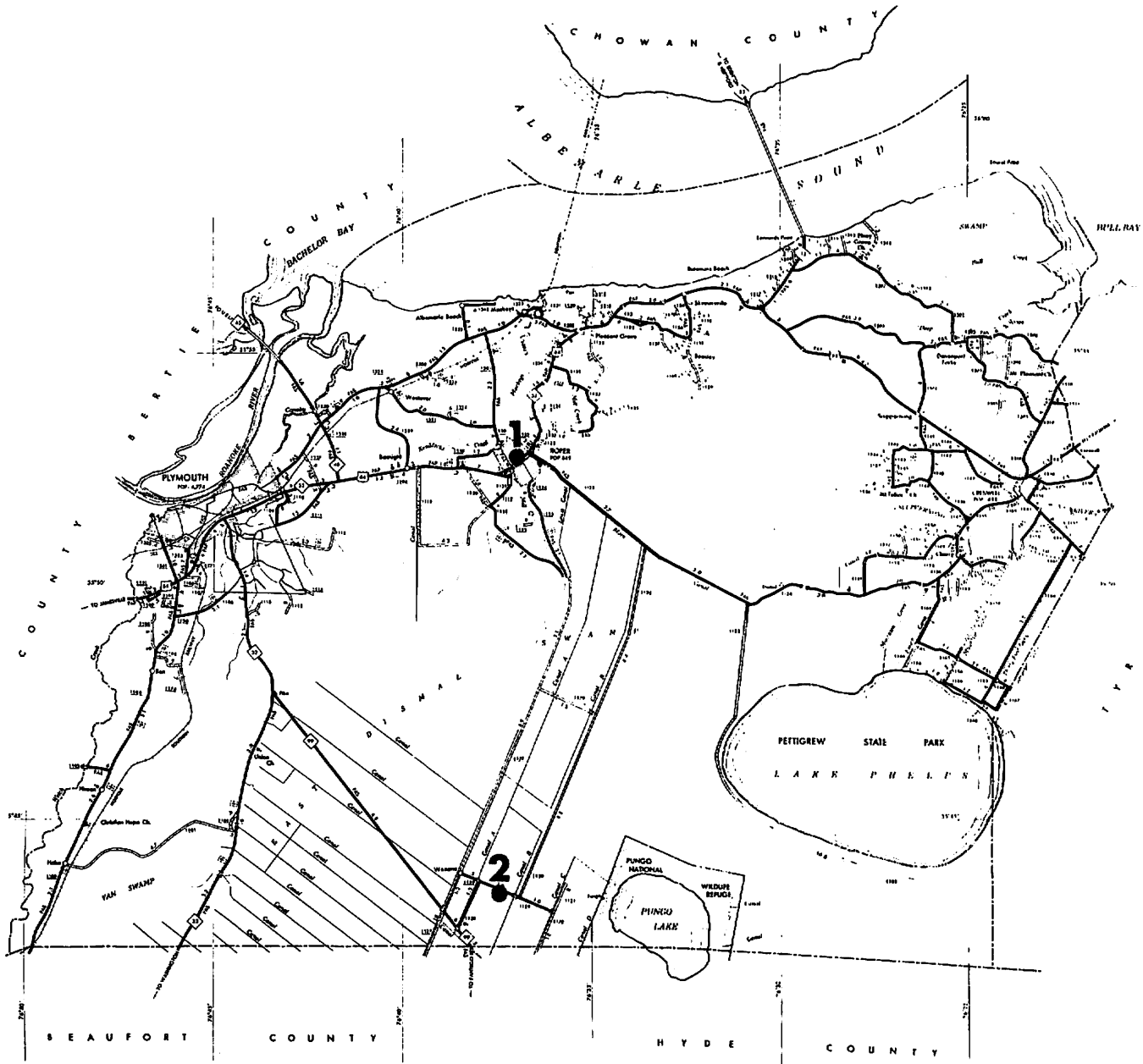
API NO.: 32-187-2 WELL NAME: Furbee #1 COMPANY: Davidson Oil
CHRON NO.: 18 COMPLETION DATE: 10-10-51 LOCATION: 35° 43' 30"N 1.71 mi. south of 35° 45'N
TOTAL DEPTH: 2693' BASEMENT DEPTH: -2673' 76° 37' 30"W 2.35 mi. west of 76° 35'W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: I-ES

WILSON COUNTY

API NO.: 32-195-1 WELL NAME: Thompson #1 COMPANY: Coastal States Oil
CHRON NO.: 75 COMPLETION DATE: 10-1-69 LOCATION: 35° 36' 11"N 1.35 mi. north of 35° 35'N
TOTAL DEPTH: 258' BASEMENT DEPTH: NP 77° 49' 21"W 0.61 mi. east of 77° 50'W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: None



WILSON COUNTY



SCALE
 1 inch = 1 mile

WASHINGTON COUNTY

APPENDICES

Appendix I

TABULATION OF GEOPHYSICAL LOGS

API NO.	TYPE LOG	SCALE (IN/100')	COST(\$)	API NO.	TYPE LOG	SCALE (IN/100')	COST(\$)
32-013-1	I-ES	2-5	3.65	32-031-16	GR-CAL-S	2-5	7.00
32-013-2	I-ES	2-5	3.50	32-049-1	NONE		
32-013-3	I-ES	2-5	3.50	32-049-2	I-ES	2-5	2.75
32-013-4	I-ES	2-5	3.50	32-053-1	I-ES	2-5	6.50
32-013-5	I-ES	2-5	3.15		GR-CAL-S	2-5	6.25
32-015-1	NONE			32-053-2	I-ES	2-5	7.50
32-017-1	GR-N		.65		GR-CAL-S	5	4.40
32-019-1	NONE				ML	5	2.00
32-019-2	I-ES	2-5	2.75	32-055-1	I-ES(1)	2	1.95
	GR-N	2-5	2.75		I-ES(2)	2-5	2.85
	D	5	1.90		I-ES(3)	2-5	2.45
	CAL	5	1.75		I-ES(4)	2-5	2.95
	GR-CCL	5	1.10	32-055-2	I-ES(1)	2	1.40
32-019-3	GR	5	1.40		I-ES(2)	2	1.85
32-019-4	GR	5	1.25	32-055-3	I-ES	1	1.15
32-019-5	GR-SP-SPR	5	1.15	32-055-4	I-ES	1	1.90
32-019-6	NONE			32-055-5	I-ES	2-5	8.75
32-019-7	GR	5	1.40		GR-CAL-S	2-5	9.65
32-019-8	GR-SP-SPR	5	1.90	32-055-6	I-ES	2-5	7.25
32-019-9	GR-SP-SPR	5	.95		GR-N	2-5	7.75
32-019-10	GR-SP	5	.75		D-CAL	5	5.75
32-019-11	GR	5	.75	32-055-7	I-ES	2-5	8.15
				32-055-8	I-ES	5	5.90
32-019-12	NONE				GR-CAL-S	2-5	6.75
32-019-13	GR-SP-SPR	5	.75		GR-N	5	3.50
32-019-14	GR-CAL-D	2-5	3.50		CB	5	5.65
	S	5	3.00		T	5	1.40
	DIL	2-5	3.00	32-055-9	I-ES	2-5	12.50
	GR-CAL-N	5	3.00		GR-CAL-N	2-5	8.15
	SS	5	1.90		GR-D	2-5	12.25
32-019-15	GR-SP	5	1.95		DIL	2-5	7.75
32-019-16	GR-CAL-D	2-5	2.30		GR-CAL-S	2-5	10.25
	DIL	2-5	2.05		MCL	2-5	7.00
	GR-SP-SPR	5	1.75	32-055-10	I-ES	2-5	10.75
	SP-GL	5	1.50		GR-CAL-N	2-5	7.00
32-029-1	NONE				GR-CAL-D	2-5	10.50
32-029-2	I-ES	2-5	6.20		GR-CAL-S	2-5	8.90
	GR-S	2-5	5.95		FT		3.00
32-031-1	I-ES	2-5	4.15	32-055-11	GR	5	2.65
32-031-2	I-ES	2-5	4.95	32-055-12	I-ES	2-5	9.25
32-031-3	I-ES	2-5	5.15		GR-CAL-S	2-5	9.40
32-031-4	I-ES	2-5	5.00		GR-CAL-D	2-5	9.50
32-031-5	I-ES	2-5	5.00	32-055-13	I-ES	2-5	11.25
32-031-6	I-ES	2-5	4.85		GR-CAL-S	2-5	8.75
32-031-7	I-ES	2-5	5.80	32-055-14	I-ES	2-5	9.25
32-031-8	I-ES	2-5	8.25		GR-CAL-S	2-5	9.00
32-031-9	I-ES	2-5	7.00	32-055-15	I-ES	2-5	9.00
32-031-10	GR	5	3.05		GR-CAL-D	2-5	7.75
32-031-11	NONE				GR-CAL-S	2-5	8.15
32-031-12	GR-SPR	5	4.25		GR-N	2-5	8.50
	GL	5	3.40		FT		3.00
32-031-13	I-ES	2-5	5.50	32-061-1	NONE		
	GR-S	2-5	5.50	32-073-1	I-ES	2-5	3.50
32-031-14	I-ES	2	1.50		GR-CAL	1	1.85
	I-ES	5	4.25	32-091-1	NONE		
	GR-CAL-S	5	4.50	32-095-1	NONE		
32-031-15	I-ES	2	1.20	32-095-2	NONE		
	I-ES	5	5.00	32-095-3	NONE		
32-031-16	I-ES	2-5	6.90	32-095-4	NONE		

TABULATION OF GEOPHYSICAL LOGS-CONT.

API NO.	TYPE LOG	SCALE (IN/100')	COST(\$)	API NO.	TYPE LOG	SCALE (IN/100')	COST(\$)
32-095-5	NONE			32-133-16	SP-SPR	5	1.25
32-095-6	NONE			32-133-17	NONE		
32-095-7	NONE			32-133-18	NONE		
32-095-8	NONE			32-133-19	NONE		
32-095-9	I-ES	2-5	10.00	32-133-20	NONE		
32-095-10	GR-N	2-5	8.25	32-133-21	GR	5	.90
32-103-1	NONE			32-133-22	I-ES	2-5	3.00
32-105-1	I-ES	5	7.05		GR-D	5	2.90
	GR-S	5	5.30	32-137-1	I-ES	2-5	4.15
	GR-N-D	5	5.45	32-137-2	I-ES	2-5	3.95
	DIL	2	2.70	32-137-3	I-ES	1	.50
	GR-D	5	5.85	32-139-1	I-ES	2-5	4.00
	MCL	5	5.95	32-141-1	NONE		
32-129-1	I-ES	2-5	2.45	32-141-2	GR	2-5	2.15
	GR	2-5	2.45		GR-16N	5	1.25
32-129-2	GR-N	5	1.90	32-141-3	I-ES	2-5	2.40
32-129-3	GR-N	5	1.90		GR-N	2-5	3.15
32-133-1	NONE				GR-CCL	5	.75
32-133-2	NONE			32-141-4	I-ES	2-5	3.00
32-133-3	I-ES	1	.50		GR-CAL-D	2-5	3.40
32-133-4	I-ES	2-5	2.40	32-141-5	I-ES	2-5	3.00
32-133-5	I-ES	2-5	2.50		GR	2-5	2.50
32-133-6	NONE			32-141-6	I-ES	2-5	2.40
32-133-7	NONE				CAL-D	5	2.25
32-133-8	I-ES	2-5	2.00	32-141-7	I-ES	2-5	2.40
	GR-N	2-5	3.00		GR-N	2-5	2.65
32-133-9	I-ES	2-5	2.75	32-141-8	NONE		
	GR-CAL-D	2-5	3.50	32-177-1	DIL	1-5	6.15
32-133-10	I-ES	2-5	2.90		GR-CAL-N	1-5	4.00
32-133-11	I-ES	2-5	3.25		GR-CAL-D	1-5	5.75
	GR	2-5	3.00	32-177-2	DIL	1-5	5.25
32-133-12	I-ES	2-5	3.25	32-177-3	DIL	1-5	6.50
	GR-CAL-D	5	1.90	32-177-4	I-ES	2-5	5.15
32-133-13	I-ES	2-5	2.35		GR-SP-SPR	5	3.95
	GR-CAL-D	2-5	2.60	32-177-5	DIL	1-5	6.00
32-133-14	I-ES	2-5	2.50		GR-CAL-D	1-5	7.00
	GR-N	2-5	2.70		CD	2-5	10.75
	D	2-5	2.30	32-187-1	NONE		
32-133-15	NONE			32-187-2	I-ES	2	1.40
32-133-16	GR	5	1.25				

Appendix II

NATURAL AND ECONOMIC RESOURCES - MINING, MINERAL RES. 5D .0000

SUBCHAPTER 5D - OIL AND GAS CONSERVATION

.0001 GENERAL PROVISIONS

(a) The North Carolina Department of Natural and Economic Resources has the jurisdiction and authority to administer and enforce the provisions of the Oil and Gas Conservation Act and all other laws relating to the conservation of oil and gas. Under the provisions of N.C.G.S. 113-378 the Department is authorized to adopt rules and regulations governing the abandonment and plugging of wells; and under N.C.G.S. 113-391 the Department is further authorized to make such reasonable rules, regulations and orders as may be necessary from time to time in the proper administration and enforcement of the Oil and Gas Conservation Act.

(b) Pursuant to the authority granted by the statutes cited above, the Department promulgates the following rules and regulations in order to prohibit waste of the resource, to compel rateable production, to protect the correlative rights of operators and mineral owners alike and to protect the environment in the production and use of natural oil and gas.

(c) These regulations establish general and specific rules for the drilling, completion or abandonment and development of any well drilled for the production of oil or gas or any operations concerned with the production of oil or gas. No person, firm or corporation shall drill, complete or plug or produce any such well contrary to these regulations. Previously adopted regulations concerning oil and gas conservation are superseded by these regulations.

History Note: Statutory Authority G.S. 113-391;
Eff. February 1, 1976.

.0002 PENALTIES

(a) Criminal penalties for violations of N.C.G.S. 113-378 and 113-379 and rules and regulations implementing those provisions, specifically regulations .0004, .0008 and .0009, are contained in N.C.G.S. 113-380.

(b) Civil and criminal penalties and injunctive remedies for violations of the Oil and Gas Conservation Act and Rules and Regulations adopted there under are contained in N.C.G.S. 113-408, 113-409, 113-410 and 113-412.

History Note: Statutory Authority G.S. 113-391;
Eff. February 1, 1976.

.0003 DEFINITIONS

As used in these rules and regulations, unless the context otherwise requires, the following definitions apply:

- (1) "DEPARTMENT" shall mean the N. C. Department of Natural and Economic Resources.
- (2) "DRILLING UNIT" shall mean the area which can be efficiently and economically drained by one well.
- (3) "GAS" shall mean all natural gas, including casing-head gas, and all other fluid hydrocarbons not herein defined as oil.

- (4) "OIL" shall mean crude petroleum oil and all other hydrocarbons regardless of gravity which are produced at the well in liquid form by ordinary production methods, and which are not the result of condensation of gas as it leaves the reservoir.
- (5) "POOL" shall mean an underground reservoir containing a common accumulation of crude petroleum oil or natural gas or both. Each zone of a general structure which is completely separated from any other zone in the structure is covered by the term "pool" as used herein.
- (6) "POOLED UNIT" shall mean one or more tracts of land, on which mineral ownership is different, that are consolidated and operated as a single tract for production of oil or gas either by voluntary agreement or by order of the Department.
- (7) "PRODUCTION OR PRORATION UNIT" shall mean a drilling unit on which a well producing oil and/or gas has been completed and which is recognized as such for production by the Department.
- (8) "PROTECTION OF CORRELATIVE RIGHTS OF EQUITY" shall mean that action or regulation by the Department which affords a reasonable opportunity to each person entitled thereto to recover or receive the oil or gas under his tract or tracts without being required to drill unnecessary wells or incur unnecessary expenses to recover such oil or gas.
- (9) "WASTE" in addition to its ordinary meaning, shall mean "physical waste" as that term is generally understood in the oil and gas industry. It shall include:
 - (a) The inefficient, excessive or improper use of dissipation of reservoir energy; and the locating, spacing, drilling, equipping, operating or producing of any oil or gas well or wells in a manner which results, or tends to result, in reducing the quantity of oil or gas ultimately to be recovered from any pool in this State.
 - (b) The inefficient storing of oil, and the location, spacing, drilling, equipping, operating or producing of any oil or gas well or wells in a manner causing, or tending to cause, unnecessary or excessive surface loss or destruction of oil or gas.
 - (c) Abuse of the correlative rights and opportunities of each owner of oil and gas in a common reservoir due to nonuniform, disproportionate, and unrateable withdrawals causing undue drainage between tracts of land.
 - (d) Producing oil or gas in such manner as to cause unnecessary water channelling or coning.
 - (e) The operation of any oil well or wells with an inefficient gas-oil ratio.
 - (f) The drowning with water of any stratum or part thereof capable of producing oil or gas, except for secondary recovery purposes.
 - (g) Underground waste however caused and whether or not defined.
 - (h) The creation of unnecessary fire hazards.
 - (i) The escape into the open air, from a well producing both oil and gas, of gas in excess of the amount which is necessary in the efficient drilling or operation of the well.
 - (j) Permitting gas produced from a gas well to escape into the air.

- (10) "WELL SPACING" shall mean the pattern of minimum distances on the surface from lease boundary lines and from other wells drilling to or producible from the same pool.

History Note: Statutory Authority G.S. 113-391;
Eff. February 1, 1976.

.0004 REGISTRATION

Prior to making any drilling exploration in this State for oil and gas, persons, firms or corporations must register with the Department and furnish bond in the amount of \$5,000.00 running to the State of North Carolina, conditioned that any well opened or caused to be opened by an operator shall upon abandonment be plugged in accordance with the rules and regulations of said Department.

History Note: Statutory Authority G.S. 113-391;
Eff. February 1, 1976.

.0005 DRILLING PERMITS

(a) Registration as required by the statutes shall be by application to the Department for a drilling permit, upon form specified by the Department, accompanied by a fee of \$50.00, and accompanied also, by a bond as set forth in .0002.

(b) The application for permit must contain the following:

- (1) Name and well number.
- (2) Operator - Name and address.
- (3) Property owner - Name and address.
- (4) Location - County, and Township, longitude and latitude, plat with 1" equals 4 miles or larger scale showing drilling unit boundaries with respect to well location, nearest well if any, buildings if any, and surface obstructions if pertinent.
- (5) Projected total depth.
- (6) Proposed casing program - size, weight and setting depth.
- (7) Proposed disposal of waste water, drilling fluid, etc.
- (8) A copy of proof of custody or control of the lands involved, either by being a fee owner or having a valid lease agreement.
- (9) A statement of responsibility signed by an authorized person accepting liability for violation of rules and regulations of the Department is also required.

History Note: Statutory Authority G.S. 113-391;
Eff. February 1, 1976.

.0006 WELL SPACING

(a) The Department shall not issue a permit for the drilling, deepening or plugging back of any well for the production of oil or gas unless the proposed well location and spacing conform to the rules and regulations of the Department. These rules do not apply to wells drilled for geological information, stratigraphic testing, fluid injection or disposal or storage of natural hydrocarbons.

(b) Upon completion of a discovery well within a new pool or reservoir, the Department shall consider and adopt after public hearing, temporary well spacing and drilling units. The rule shall be designed to result in drilling

the smallest number of wells necessary to determine, within the shortest possible time, all information pertaining to the reservoir and its contained fluids, in order to determine the proper permanent plan of drilling wells on, and allocating production to the various separate leaseholds within the reservoir. When such information has been obtained and after public hearing, the Department shall adopt permanent rules and regulations including:

- (1) Minimum size unit on which one well may be drilled.
- (2) Method of determining total allowable for the pool.
- (3) Method of allocating and distributing total allowable among various separate leaseholds on pooled units so that correlative rights and equity will be protected.
- (4) Minimum distance from separate leasehold or pooled unit and between wells to the same reservoir.

(c) An exception to the general rules or special rules may be granted by the Department upon application and after public hearing, if it is shown that more hydrocarbons can be recovered under the leasehold by such exceptions. The exceptions may be granted due to:

- (1) Topographical conditions, both natural and man-made.
- (2) Geologic conditions, faults, etc.
- (3) Other conditions accepted as pertinent by the Department.

(d) The allowable of such off pattern wells may be adjusted to protect the correlative rights of offset operators and land owners and to conserve the resource.

(e) When separately owned tracts are embraced within a single drilling unit, the involved persons may pool their interests or in the absence of voluntary pooling, the Department, for the prevention of waste or to avoid drilling of unnecessary wells, may order pooling of all interests. Each such pooling order shall be made after a public hearing which shall determine the following:

- (1) Equitable share of oil or gas in the pool for each owner.
- (2) Operator of pooled interest.
- (3) Drilling and operating costs and provision for equitable distribution of the costs among owners.
- (4) Penalty allowable of any owner who refused to pay his share accordingly.

History Note: Statutory Authority G.S. 113-391;
Eff. February 1, 1976.

.0007 DRILLING AND COMPLETION

(a) Unless altered or changed by special rules, the following rules and regulations on drilling procedure shall apply to all wells drilled.

(b) All fresh water strata shall be protected by suitable and sufficient casing and cement. The casing shall extend from the surface to the first impervious layer not less than 50' below all fresh water strata. The casing shall be so centralized and the annulus of such size that cement can be injected to fill the entire annular space behind the casing back to the surface.

(c) If a flow or producing string of casing is set, it shall be cemented with sufficient volume to fill the annular space back of the casing to a point at least 500' above the casing shoe and at least 50' above the producible reservoir nearest to the surface. If drilling is to continue following cementing operations, the cement shall set a minimum of 24 hours before the plug is drilled. The flow string shall be tested by either of the two methods below.

- (1) Pressure test: If a pressure test is used, the pressure should be raised to a pressure calculated by multiplying the length of casing in feet by 0.2 not to exceed 1500 psi and after 30 minutes if the pressure has dropped 10% or more, the casing has failed to meet the requirements.
- (2) Bailer test: If the bailer test is used, the fluid level shall be lowered to a point midway between the casing base and the top of cement column behind such casing, and if after 12 hours the fluid level rises or subsides 2% or more of the length of the water column, the casing has failed to meet the requirements.

(d) In all proven areas, the use of blowout preventers shall be in accordance with practice established in drilling the pool under development. In unproven areas, all drilling wells should be equipped with a master gate or equivalent, an adequate blowout preventer and a properly sized flow line valve. "Adequate" shall be taken to mean that consideration has been given to the depth of the test and pressures likely to be encountered at those depths. The entire control equipment shall be in good working condition at all times and shall have been tested to working pressures at least 50% above the hydrostatic pressures anticipated in the well.

(e) All wells shall be drilled in such a manner so that vertical deviation of the hole does not exceed 3 degrees between the bottom of the hole and the top of hole, and shall not deviate in such a manner as to cross property or unit lines, unless an exception is granted by the Department. An inclination survey shall be filed with the Department for each well subsequently produced for oil or gas.

(f) Slush or mud pits shall be constructed prior to commencement of drilling operations and should be of adequate size to confine all anticipated drilling mud and cuttings. Precautions should be taken to prevent the contamination of streams and potable water. All such pits should be refilled or otherwise returned to prior condition upon termination of drilling operations.

(g) The operator shall not, except in extreme emergencies or with permission of the Department, permit oil or salt water to be temporarily stored in earthen reservoirs.

(h) Any rubbish or debris shall be disposed of so as not to constitute a fire hazard.

(i) Christmas tree fittings or well head connections, flow lines and treating facilities, shall have a working pressure in keeping with anticipated working pressures generated by the well as determined from drillstem tests or other pressure testing procedures acceptable to the Department.

History Note: Statutory Authority G.S. 113-391;
Eff. February 1, 1976.

.0008 COMPLETION REPORT

(a) Within 30 days after the completion of a producing well drilled for oil or gas, or the recompletion of a producing well into a different formation, or where the producing interval is changed, a completion report shall be filed with the Department on a form prescribed by the Department. The information required shall include the following:

- (1) Name, number and location of the well.
- (2) Lease name.
- (3) Date of completion and date of recompletion.
- (4) Total depth.
- (5) Record of stimulation.
- (6) Initial potential test and method.
- (7) Casing and tubing size and weight.
- (8) Cement record including squeeze jobs or remedial cementing.
- (9) Types of borehole geophysical logs run (copies of logs not previously furnished should be included).

(b) If such information is of a confidential nature, then upon request of the operator, the Department will hold such information in confidence for a period of 1 year. Extensions of this confidentiality shall be allowed up to a maximum of 1 year at the discretion of the Department.

History Note: Statutory Authority G.S. 113-391;
Eff. February 1, 1976.

.0009 PLUGGING OF WELLS

(a) The operator or owner shall not permit any well drilled for oil or gas or any other purpose in connection with the production of oil or gas to remain unplugged for a period exceeding 30 days from termination of drilling activities without prior approval. Prior to this date, the operator must submit to the Department his intention to plug and abandon or complete the well. A written request on the form prescribed, accompanied by a fee of \$15 must be submitted prior to commencement of plugging operations. The form shall contain the following information:

- (1) Location of well, name and number of well.
- (2) Name of operator.
- (3) Projected plugging date.
- (4) Casing, cement, pipe to remain in the hole.
- (5) Types of borehole geophysical logs run.
- (6) Proposed plugging procedure.

(b) The Department shall determine the proper plugging procedure to be used and will provide a representative to witness the plugging operation.

(c) If the well is a dry hole, written notification can be waived in favor of verbal notification at the discretion of the Department. However, the written forms must be submitted following plugging operations prior to release of the bond.

(d) Upon the Department finding that all the rules and regulations regarding the plugging of such wells have been complied with, the bond, referred to in Regulation .0001, given to guarantee proper plugging, may be released.

History Note: Statutory Authority G.S. 113-391;
Eff. February 1, 1976.

.0010 FILING OF THE LOG OF DRILLING

(a) Within 30 days of the termination of drilling operations of any oil or gas well, the operator must file with the Department a complete log of the drilling of the well. The record shall include the following:

- (1) Copy of the driller's log.
- (2) A set of drill cuttings at 10' intervals.

- (3) A copy of all borehole geophysical logs run on the well.
- (4) All oil or gas show reports and a copy of the mud log if run.
- (5) Results of tests such as drill stem tests, bailer tests, etc.
- (6) Core descriptions and analyses.

(b) Upon request by the operator, this information will be kept confidential for a period of 1 year after completion or abandonment of the well. Extensions of this confidentiality shall be allowed up to a maximum of 1 year at the discretion of the Department.

(c) No bond shall be released until this regulation has been complied with.

(d) The operator shall cause a drillers log to be kept at the drill site during drilling operations which shall include the following:

- (1) Formations penetrated.
- (2) Drilling depth.
- (3) Fluids encountered.
- (4) Tests performed.

This record shall be available to an authorized representative of the Department at all reasonable times.

History Note: Statutory Authority G.S. 113-391;
Eff. February 1, 1976.

.0011 LIMITATION OF PRODUCTION AND ALLOCATION

(a) The Department has the authority to limit production for the purpose of prevention of waste, both above and below ground, and the protection of correlative rights. The Department reserved the right upon public hearing, to determine the amount of oil which can be produced without waste from each designated pool. The Department shall consider the following factors:

- (1) Productive capacities.
- (2) Effective pay thicknesses.
- (3) Permeability and porosity.
- (4) Type of drive mechanism.
- (5) Size and content of reservoir.
- (6) Bottom hole pressures.
- (7) Gas-oil ratios.
- (8) Water-oil ratios.

(b) Operators shall maintain a record of decline of production and of pressure for each well. The pressure decline may be based either on bottom hole pressure tests or on shut in pressure tests which should be run every 120 days.

(c) The Department has the authority to limit production, set allowables and allocate allowables, whenever the total amount of oil and/or gas which all of the pools in the State can produce, exceeds the amount reasonably required to meet market demand. Such proration and allocation will be done only after a public hearing.

History Note: Statutory Authority G.S. 113-391;
Eff. February 1, 1976.

Appendix III
Examples of Permit Forms

State of North Carolina
Department of Natural and Economic Resources
Division of Earth Resources
P. O. Box 27687
Raleigh, North Carolina 27611

BOND FOR PLUGGING AND ABANDONMENT OF OIL AND GAS TEST WELLS

KNOW ALL MEN BY THESE PRESENTS: BOND NO _____

That we, _____
_____ as operator(s), and _____
_____;

a corporation duly licensed in the State of North Carolina, as surety, are held and firmly bound unto the State of North Carolina, in the just and full sum of five-thousand and 00/100 dollars (\$5,000.00) to the payment whereof well and truly to be made, we bind ourselves, our personal representatives, successors, heirs and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH THAT, WHEREAS, the above principal(s), in accordance with the General Statutes of the State of North Carolina, and all rules and regulations duly promulgated thereunder, hereby agree(s) to plug and abandon its well No. _____, Lease _____, Name _____, drilled under Permit No. _____, in _____ County, North Carolina.

NOW, THEREFORE, if said principal(s), in plugging and abandoning said well, shall do so in full compliance with the General Statutes of the State of North Carolina and all rules and regulations duly promulgated thereunder and shall furnish the fee and affidavits required by the State, then this obligation shall be void; otherwise, it shall remain in full force and effect.

IN WITNESS WHEREOF the said principal has hereunto set its hand and affixed its seal and the said surety has caused its corporate seal to be hereunto fixed by _____ its attorney-in-fact, all of which is done this _____ day of _____, 19 _____.

Witnesses: _____
Principal

Signed _____ By: _____
(Name) Authorized Agent

Signed _____
(Name) Surety

Countersigned by: _____
Resident Agent, North Carolina By: _____
Attorney-in-Fact

State of North Carolina
Department of Natural and Economic Resources
Division of Earth Resources
P. O. Box 27687
Raleigh, North Carolina 27611

APPLICATION FOR PERMIT TO DRILL AN EXPLORATORY OIL OR GAS WELL

Date of Application _____

(FOR USE BY DIVISION OF EARTH RESOURCES)

Mail to: Division of Earth Resources
P. O. Box 27687
Raleigh, North Carolina 27611

Permit Number: _____
Permit Issued: _____
Bond Amount: _____
Date: _____
Fee - Amount: _____
Date Paid: _____
Permit Issued By: _____
Remarks: _____

I, We, _____

(P. O. Address) _____

hereby apply for a permit to drill an exploratory oil or gas well as follows:

1. Designation
Well Number: _____ Property Owner: _____
2. Location
County: _____ Civil Township: _____

Latitude _____ feet; North _____ degrees, _____ minutes.
South _____ degrees, _____ minutes.
Longitude _____ feet; West _____ degrees, _____ minutes.
East _____ degrees, _____ minutes.

The location of said well is shown on attached sketch map on scale 1 inch equals four miles or larger. (County maps at a scale of 1 inch equals 2 miles are suitable. These can be obtained from the State Highway Commission, Location Department, Raleigh, North Carolina).

3. Type of Tools - Cable: _____ Rotary: _____ both: _____
4. Depth
Proposed Objective _____ geological formation.
Proposed Total Depth _____ feet.
5. Proposed Casing Program _____

6. Plan for disposal of water, drilling mud and other waste substances _____

7. Bonding - Surety Company: Name _____
Address: _____
Amount of Bond \$ _____ Bond Number _____
Operator: _____
Per _____
(Signature of Owner) Title
Per _____
(Signature of Authorized Agent) Title

Note: Permit fee of fifty dollars (\$50.00) should accompany application for permit to drill.

State of North Carolina
 Department of Natural and Economic Resources
 Division of Earth Resources
 P. O. Box 27687
 Raleigh, North Carolina 27611

WELL COMPLETION OR PLUGGING AFFIDAVIT

SUBMIT IN DUPLICATE

OPERATOR: _____

ADDRESS: _____ ZIP CODE: _____

WELL NO: _____ LEASE: _____

COUNTY: _____ CIVIL TOWNSHIP: _____

LATITUDE & LONGITUDE: _____

ELEVATION: GL _____ DF _____ KB _____ TOOLS: _____

DATE COMMENCED: _____ DATE COMPLETED: _____ TOTAL DEPTH: _____

RECORD OF SHOT, ACID OR FRACTURE TREATMENTS, PRODUCTION TESTS, PRESSURES, PLUGGING PROCEDURE: _____

AMOUNT OF INITIAL PRODUCTION: GAS: _____ OIL: _____ WATER: _____

DRY AND ABANDONED: _____ WAS WELL DEVIATED: _____

ADDITIONAL DATA: _____

*Note: Attach bottom hole plot, if well was deviated

CASING AND TUBING RECORD:

<u>SIZE</u>	<u>FEET USED IN DRILLING</u>	<u>AMOUNT OF CEMENT OR MUD</u>	<u>FEET LEFT IN WELL</u>	<u>COMMENTS</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

NAME OF CONTRACTOR: _____

TYPES OF ELECTRICAL AND/OR RADIOACTIVITY LOGS RUN: _____

NAME OF LOGGING COMPANY: _____

I (We) certify that the above information is true and correct, to the best of my knowledge and that the rules set forth for plugging and abandonment of wells and core hole tests by the Board of Natural and Economic Resources have been adhered to.

SIGNATURE:
 Typed or printed _____

SIGNED: _____

Date: _____

REPRESENTING: _____

Acknowledged before me a Notary Public in and for _____ County, North Carolina, this _____ Day of _____ 19____. My commission expires _____

Signed: _____
 Notary Public