

THE LAKE TRAFFORD NORTH PROSPECT  
COLLIER COUNTY, FLORIDA

Report prepared by:

Woodson R. Oglesby

for

Southern Oil Exploration Company, Inc.

August 1983

## ILLUSTRATIONS

1. Map of Lake Trafford North prospect, scale 1 inch = 4000 feet, contoured on Sunniland Limestone.
2. Cross Section A-A' from Lake Trafford Field north to Townsend Canal Field.
3. Cross Section A-A" from Lake Trafford Field northeast to Well #904 showing porosity barrier.
4. "Exhibit A", Description of leases in Lake Trafford North prospect.
5. Figure 2 and Figure 29, Log Analyses by C. H. Tootle.
6. Figure 3. Well Record (Form 9) of Permit #853.
7. Map of the State of Florida showing field locations.
8. Sonic and neutron logs of Permit #853 showing Sunniland Limestone.
9. Gamma neutron logs of wells #401 and #904.
10. Oil production in Florida, by fields, through 1982.

## INTRODUCTION

The Lake Trafford North prospect is located to the north and west of Lake Trafford in Collier County, Florida. The leases as described in Exhibit A total 3,070 acres are located in Township 46 South Range 28 East, Sections 22, 25, 26, 27, 28, 33, and 35. The accompanying map, contoured on the Sunniland Limestone, shows the leases are located downdip of a porosity barrier, with the exception of Section 25 and small portions of Section 22, 26, and 35, totaling about 700 acres. As the porosity barrier is not precisely determined, the acreage (700 +/-) may prove to be of value.

Cross sections A-A' and A-A" show potential pay zones in the interval 11,588 through 11,604 feet and 11,788 through 11,794 feet. The lower zone is the equivalent, in part, of the producing zone in well #401, Lake Trafford Field. The upper zone is that which has the better production potential in this well (#853) located 3-1/2 miles north of well #401. A copy of the driller's log filed with the Florida Bureau of Geology on Form 9 shows the well was cored from 11,555 to 11,647 feet; then drilled through the interval 11,647 to 11,776 feet; and again cored in a lower interval from 11,776 to 11,814 feet. Core analyses by All points, Inc. show cores for the above wells, as follows: Core No. 1, 11,555 - 11,582 feet; cored 27 feet, recovered 25 feet. Core No. 2, 11,582 - 11,628 feet; cored 46 feet, recovered 30 feet. Core No. 3, 11,628 - 11,647 feet; cored 19 feet, recovered 17-1/2 feet. Core No. 4, 11,776 - 11,815 feet; cored 39 feet, recovered 28-1/2 feet. Electric log analysis by C. H. Tootle, petroleum

engineer at the Florida Bureau of Geology determined the average porosity of the interval 11,588 to 11,604 feet of well permit #853 is 6.6%, porosity range 5 to 8%. The interval is shown on both cross sections A-A' and A-A". Dr. Tootle calculated oil in place in the interval analyzed amounted to 1,344,000 barrels per 160-acre unit (the spacing for oil wells in state-wide rules of Florida). All Points, Inc. described the interval 11,588 - 11,594 feet but did not analyze it for porosity or residual oil saturation. The interval 11,594 - 11,604 feet was analyzed by All Points, Inc. as follows: average porosity 17.75%, average residual oil saturation 0.0 to trace, with average residual water saturation ranging from 82.1 to 95.3%. Inasmuch as Dr. Tootle calculated average residual oil saturation at 63.6% for this interval, with average porosity about 1/3 that measured by All Points, Inc. there is an obvious discrepancy. Anyone familiar with electric log characteristics can tell the interval at question does not have anything like 18% porosity nor is it carrying salt water. Perhaps the personnel at All Points had an off day or their equipment was out of calibration.

The six-foot lower zone interval at 11,788 - 794 feet, which equates with a portion of the Lake Trafford Field pay zone was not analyzed by Dr. Tootle. Fracture porosity does not lend itself to electric log analysis. All Points, Inc. stated in footnote "possible oil through fractures."

Recommendation:

Drill two wells to test the Sunniland Limestone Formation at the Lake Trafford North prospect. Well # 1-28

located in the center of NE quarter of Section 28 and well #1-33 located in the center of NE quarter of Section 33, both in township 46 South, Range 28 East. Each of these wells should be drilled to the top of the Punta Gorda an Anhydrite (through the Sunniland Limestone) to depths of -11,800 feet and -11,810 feet, respectively. Each well should be cored entirely through the Sunniland Limestone interval and the cores should be preserved for analysis by Core Laboratories, Inc. or equivalent. Each well should be adequately logged by Schlumberger or equivalent and should include DIL, sonic and density logs. If analyses of the tests warrant, production casing and tubing should be run and perforated to test the potential of whatever zones were considered prospective. It should be emphasized that the Sunniland Limestone is not a single pay zone. At Sunniland Field, where a single well (#5 Gulf Coast Realty Corp.) has produced over 2,000,000 barrels of oil since 1946 (and is still producing) there are four distinct pay zones. The pay zones in wells #904 and #1070 on Cross Section A-A' are roughly equivalent to the bottom pay zone at Sunniland Field. The lower Sunniland pay shown in well 401 also produced at Forty Mile Bend Field, now abandoned.

The object of the two tests is dual: the test in northeast quarter of Section 28 should determine if the upper zone potential pay improves closer to the porosity barrier. The test in the northeast quarter of Section 33 should determine if the upper zone potential improves to the south, due to improved effective porosity and also if the Lake Trafford Field pay (lower zone) thickens to the south, as it in logic should.

The oil recovery factor for oil in place in Limestone Formations in Florida has been quite good, with recoveries exceeding 30% of oil in place, a not unusual occurrence. However, due to the low permeability of the oil zones in well #853, no more than 20% recovery, with acid fracture, can be anticipated. If the upper zone has 1,344,000 barrels of oil in place per 160-acre drilling unit, recovery would be 268,800 stock tank barrels of oil. Current market evaluation of oil reserves in the ground is about \$6.50 per barrel. At this figure 268,800 barrels is worth \$1,747,200. From this amount the cost of drilling, testing and completing the well must be deducted. At presently reduced costs, this might be done for 3/4 of a million, leaving about \$1,000,000 profit per well.

## Exhibit "A"

Lands of Rex Properties, Inc., 530 Ingraham Bldg., Miami, Florida 33131, leased to CHARTER OIL COMPANY, 520 Petroleum Bldg., Denver, Colorado 80202, by Oil, Gas and Mineral Lease, dated January 23rd, 1979, in Collier County, Florida:

In Township 46 South, Range 28 East:

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | No. Acres |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Section 25 - All . . . . .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 640.00    |
| Section 26 - West half of Southwest quarter ( $W\frac{1}{2}$ of $SW\frac{1}{4}$ ) . . . . .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 80.00     |
| Section 27 - All . . . . .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 640.00    |
| Section 33 - All . . . . .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 640.00    |
| Section 35 - Northeast quarter ( $NE\frac{1}{4}$ ); South half of Northwest quarter of Northwest quarter ( $S\frac{1}{2}$ of $NW\frac{1}{4}$ of $NW\frac{1}{4}$ ); Northwest quarter of Northwest quarter of Northwest quarter ( $NW\frac{1}{4}$ of $NW\frac{1}{4}$ of $NW\frac{1}{4}$ ); South half of Northwest quarter ( $S\frac{1}{2}$ of $NW\frac{1}{4}$ ); West half of Northeast quarter of Northwest quarter of Northwest quarter ( $W\frac{1}{2}$ of $NE\frac{1}{4}$ of $NW\frac{1}{4}$ of $NW\frac{1}{4}$ ); South half of Northeast quarter of Northwest quarter ( $S\frac{1}{2}$ of $NE\frac{1}{4}$ of $NW\frac{1}{4}$ ); and Northeast quarter of Northeast quarter of Northwest quarter ( $NE\frac{1}{4}$ of $NE\frac{1}{4}$ of $NW\frac{1}{4}$ ) | 305.00    |
| Total . . . . .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2,305.00  |

The Lessor reserves all minerals down to a depth of 250 ft., except oil, gas, sulphur and salt, and all rights to mine, process, transport and market such minerals reserved from this lease.

In the event of damages to the surface of Lessor's land, or to Lessor's groves, trees, fences, roads or growing crops and installations proximately caused by Lessee as a result of Lessee's operations on the land covered by this lease, Lessee at its option will either pay Lessor for such damages or will, insofar as is reasonably practicable, restore the property to the same condition as it was before operations were begun.

The Lessee agrees that, upon the lawful termination of the lease it will, upon written request, execute and cause to be recorded in the Public Records of Collier County, Florida, an appropriate instrument in writing releasing this lease.

The responsibility of Lessee (or its assigns) for damages hereunder, shall extend to Lessor's permittees under grazing/agricultural leases on lands covered by this oil, gas and mineral lease.

Signed for identification:

REX PROPERTIES, INC.

By: [Signature]  
President (Lessor)

CHARTER OIL COMPANY

By: [Signature]  
President (Lessee)

Exhibit "A"

Lands of Mrs. Bernice D. Pepper, 530 Ingraham Bldg., Miami, Florida 33131, leased to CHARTER OIL COMPANY, 520 Petroleum Bldg., Denver, Colorado 80202, by Oil Gas and Mineral Lease, dated January 23rd, 1979, in Collier County, Florida:

| In Township 46 South, Range 28 East:                                                                                                                                                                                                                                                                                                                           | <u>No. Acres</u> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Section 22 - Southeast quarter of Southwest quarter ( $SE\frac{1}{4}$ of $SW\frac{1}{4}$ );<br>West half of Southwest quarter of Southeast quarter<br>( $W\frac{1}{2}$ of $SW\frac{1}{4}$ of $SE\frac{1}{4}$ ); East half of East half of Southwest<br>quarter of Southeast quarter ( $E\frac{1}{2}$ of $E\frac{1}{2}$ of $SW\frac{1}{4}$ of $SE\frac{1}{4}$ ) | 70.00            |
| Section 26 - Southeast quarter of Southwest quarter ( $SE\frac{1}{4}$ of $SW\frac{1}{4}$ )                                                                                                                                                                                                                                                                     | 40.00            |
| Section 28 - All . . . . .                                                                                                                                                                                                                                                                                                                                     | 640.00           |
| Section 35 - Northwest quarter of Northeast quarter of Northwest<br>( $NW\frac{1}{4}$ of $NE\frac{1}{4}$ of $NW\frac{1}{4}$ ); and East half of Northeast quarter<br>of Northwest quarter of Northwest quarter ( $E\frac{1}{2}$ of $NE\frac{1}{4}$<br>of $NW\frac{1}{4}$ of $NW\frac{1}{4}$ . . . . .                                                          | 15.00            |
| Total . . . . .                                                                                                                                                                                                                                                                                                                                                | <u>765.00</u>    |

The Lessor reserves all minerals down to a depth of 250 ft., except oil, gas, sulphur and salt, and all rights to mine, process, transport and market such minerals reserved from this lease.

In the event of damages to the surface of Lessor's land, or to Lessor's groves, trees, fences, roads or growing crops and installations proximately caused by Lessee as a result of Lessee's operations on the land covered by this lease, Lessee at its option will either pay Lessor for such damages, or will, insofar as is reasonably practicable, restore the property to the same condition as it was before operations were begun.

The Lessee agrees that, upon the lawful termination of the lease it will, upon written request, execute and cause to be recorded in the Public Records of Collier County, Florida, an appropriate instrument in writing releasing this lease.

The responsibility of Lessee (or its assigns) for damages hereunder, shall extend to Lessor's permittees under grazing/agricultural leases on lands covered by this oil, gas and mineral lease.

Signed for identification:

Bernice D. Pepper  
Bernice D. Pepper (Lessor)

CHARTER OIL COMPANY

By: W. H. Hammis, Jr.  
President (Lessee)

Figure 2

| <u>DEPTH</u> | <u>R<sub>T</sub></u> | <u>Ø</u> | <u>S<sub>w</sub></u> | <u>S<sub>o</sub></u> | <u>PRODUCTIVE</u>                  |
|--------------|----------------------|----------|----------------------|----------------------|------------------------------------|
| 11,560-62    | 18                   | 6        | 58.26                | 41.74                | Oil & Saltwater                    |
| 62-64        | 7.0                  | 11       | 50.96                | 49.04                | Oil & Saltwater                    |
| 64-66        | 4.4                  | 11       | 64.28                | 35.72                | Oil & Saltwater                    |
| 66-68        | 2.6                  | 11       | 83.62                | 16.38                | Saltwater                          |
| 68-70        | 2.0                  | 14       | 74.90                | 25.10                | Saltwater                          |
| 70-72        | 2.0                  | 14       | 74.90                | 25.10                | Saltwater                          |
| 72-74        | 3.8                  | 10       | 76.08                | 23.92                | Saltwater                          |
| 74-76        | 6.3                  | 6        | 98.49                | 1.51                 | Saltwater                          |
| 76-78        | 12                   | 4        | 107.04               | 0.00                 | Saltwater                          |
| 78-80        | 10                   | 7        | 67.00                | 33.00                | Saltwater                          |
| 80-82        | 2.9                  | 9        | 96.76                | 3.24                 | Saltwater                          |
| 82-84        | 1.53                 | 11       | 109.01               | 0.00                 | Saltwater                          |
| 84-86        | 3.2                  | 5        | 165.83               | 0.00                 | Saltwater                          |
| 86-88        | 6.3                  | 6        | 98.49                | 1.51                 | Saltwater                          |
| 88-90        | 13                   | 7        | 58.77                | 41.23                | May Produce<br>Oil if<br>Fractured |
| 90-92        | 14                   | 6        | 66.07                | 33.93                |                                    |
| 92-94        | 17                   | 7        | 51.39                | 48.61                |                                    |
| 94-96        | 19                   | 8        | 42.53                | 57.47                |                                    |
| 96-98        | 23                   | 6        | 51.54                | 48.46                |                                    |
| 98-600       | 32                   | 5        | 52.44                | 47.56                |                                    |
| 600-602      | 18                   | 6        | 58.26                | 41.74                |                                    |
| 02-04        | 8.5                  | 8        | 63.59                | 36.41                |                                    |
| 04-06        | 9.5                  | 7        | 96.24                | 3.76                 |                                    |
| 06-08        | 16                   | 5        | 74.16                | 25.84                |                                    |

6.6

55.6

63.5

## OIL RESERVE ANALYSIS

BY: DR. CHARLES H. TOOTLE, P. E.

DATE: JULY 28, 1983

PERMIT 853, TOTAL LEONARD PETROLEUM, BERNICE D. PEPPER WELL NO. 28-4, SE/4 SECTI  
ON 28, TOWNSHIP 46 SOUTH, RANGE 28 EAST, NORTHERN COLLIER COUNTY, FLORIDA.

| DEPTH<br>(FT.) | RESISTIVITY<br>(ILO) | POROSITY<br>(FRACT.) | SATURATION OIL<br>(FRACT.) | PRODUCTIVE<br>(FLUID) |
|----------------|----------------------|----------------------|----------------------------|-----------------------|
| 11560-11562    | 18                   | .06                  | .404233                    | OIL                   |
| 11562-11564    | 7                    | .11                  | .478899                    | OIL                   |
| 11564-11566    | 4.4                  | .11                  | .342728                    | SALT WATER            |
| 11588-11590    | 13                   | .07                  | .399111                    | SALT WATER            |
| 11590-11592    | 14                   | .06                  | .324464                    | SALT WATER            |
| 11592-11594    | 17                   | .07                  | .474538                    | OIL                   |
| 11594-11596    | 19                   | .08                  | .565092                    | OIL                   |
| 11596-11598    | 23                   | .06                  | .472954                    | OIL                   |
| 11598-11600    | 32                   | .05                  | .46381                     | OIL                   |
| 11600-11602    | 18                   | .06                  | .404233                    | OIL                   |
| 11602-11604    | 8.5                  | .08                  | .349774                    | SALT WATER            |
| 11604-11606    | 9.5                  | .07                  | .297083                    | SALT WATER            |
| 11606-11608    | 16                   | .05                  | .241712                    | SALT WATER            |
| 11608-11610    | 8                    | .11                  | .512554                    | OIL                   |
| 11610-11612    | 2.6                  | .16                  | .412163                    | OIL                   |
| 11612-11614    | 1.5                  | .16                  | .226076                    | SALT WATER            |

| MEAN<br>RESISTIVITY<br>(OHMS) | MEAN<br>POROSITY<br>(FRACT.) | MEAN<br>OIL SATURATION<br>(FRACT.) | ORIGINAL<br>OIL IN PLACE<br>(BBLs.) | RECOVERABLE<br>OIL<br>(BBLs.) |
|-------------------------------|------------------------------|------------------------------------|-------------------------------------|-------------------------------|
| 13.2188                       | .085                         | .398089                            | 1.34406E+06                         | 67203                         |

Permit 853

Figure 2

| <u>DEPTH</u> | <u>R<sub>T</sub></u> | <u>Ø</u> | <u>S<sub>w</sub></u> | <u>S<sub>o</sub></u> | <u>PRODUCTIVE</u>           |
|--------------|----------------------|----------|----------------------|----------------------|-----------------------------|
| 11,608-610   | 8.0                  | 11       | 47.67                | 52.53                | Oil & Saltwater             |
| 10-12        | 2.6                  | 16       | 57.48                | 42.52                | Oil & Saltwater             |
| 12-14        | 1.5                  | 16       | 75.69                | 24.31                | <del>Salt</del> & Saltwater |
| 14-16        | 1.3                  | 15       | 86.73                | 13.27                | <del>Salt</del> & Saltwater |
| 16-18        | 1.8                  | 13       | 85.03                | 14.97                | <del>Salt</del> & Saltwater |
| 18-20        | 3.2                  | 12       | 69.08                | 30.92                | <del>Salt</del> & Saltwater |
| 20-22        | 2.9                  | 12       | 72.57                | 27.43                | <del>Salt</del> & Saltwater |
| 22-24        | 1.6                  | 16       | 73.28                | 26.72                | <del>Salt</del> & Saltwater |
| 24-26        | 0.85                 | 16       | 100.55               | 0.00                 | <del>Salt</del> & Saltwater |
| 26-28        | 0.75                 | 18       | 95.14                | 4.86                 | <del>Salt</del> & Saltwater |
| 28-30        | 0.85                 | 17       | 94.63                | 5.37                 | <del>Salt</del> & Saltwater |

DEPARTMENT OF NATURAL RESOURCES  
STATE OF FLORIDA

Form 9

WELL RECORD

INSTRUCTIONS: This record is to be filed in the office of Oil and Gas Administrator within 30 days of completion of well.

Permit No. 853 A.P.I. No. 09-021-20083 County Collier  
Field Wildcat Well Location 1320' FSL & 1030' FEL  
Sec. 28 T. 46S R. 28E  
Date of Commencing 12-17-76 Completed 1-22-77 TD 11,814'  
Operator Total Leonard Fee (Farm) Bernice D. Pepper  
Contractor Progress Drilling Co. Rig No. 3  
Elevation at Top of Oil String Casinghead: \_\_\_\_\_ Derrick Floor: 37' Ground: 21.6'

CASING LINER AND TUBING RECORD

| String | Size | Wt/Ft. | Name and Type | Amount | Depth Set At | Perforated |    |
|--------|------|--------|---------------|--------|--------------|------------|----|
|        |      |        |               | Feet   |              | From       | To |
|        |      |        |               |        |              |            |    |
|        |      |        |               |        |              |            |    |
|        |      |        |               |        |              |            |    |
|        |      |        |               |        |              |            |    |
|        |      |        |               |        |              |            |    |
|        |      |        |               |        |              |            |    |

CEMENT AND TESTING RECORD

| Size of Hole | String  | Where Cement Placed | Number Sacks of Cement | Method Used | Pressure Applied in Testing | Kind of Cement and/or Comments |
|--------------|---------|---------------------|------------------------|-------------|-----------------------------|--------------------------------|
| 26"          | 20"     | 200'                | 500                    | pump        |                             | Class H                        |
| 17½"         | 13-3/8" | 1346'               | 900                    | pump        | 1000                        | Class H                        |
| 12½"         | 9-5/8"  | 3970'               | 400                    | pump        | 1000                        | Class H                        |
|              |         |                     |                        |             |                             |                                |
|              |         |                     |                        |             |                             |                                |

DRILL STEM TEST

| From | To | B. Hole Choke | Top Choke | W.P. | Casing Pressure | B.H.S.I.P. | Duration of Test |
|------|----|---------------|-----------|------|-----------------|------------|------------------|
|      |    | None          |           |      |                 |            |                  |
|      |    |               |           |      |                 |            |                  |
|      |    |               |           |      |                 |            |                  |

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INITIAL PRODUCTION TEST

Date Taken: None BUREAU OF GEOLOGY  
Oil \_\_\_\_\_ Bbls. Gas: \_\_\_\_\_ G.O.R.: \_\_\_\_\_  
Water: \_\_\_\_\_ Bbls. T.P.: \_\_\_\_\_ C.P.: \_\_\_\_\_  
Choke Size: \_\_\_\_\_ Top \_\_\_\_\_ Bottom \_\_\_\_\_  
Number Stokes Per Minute: \_\_\_\_\_ Hours Duration of Test: \_\_\_\_\_

CHEMICAL OR SHOOTING RECORD

| Size | Chemical or Explosive Used | Quantity | Date | Depth |
|------|----------------------------|----------|------|-------|
|      | None                       |          |      |       |
|      |                            |          |      |       |
|      |                            |          |      |       |
|      |                            |          |      |       |

CONDENSED DRILLER'S LOG

TOTAL LEONARD  
BERNICE D. PEPPER #28-4

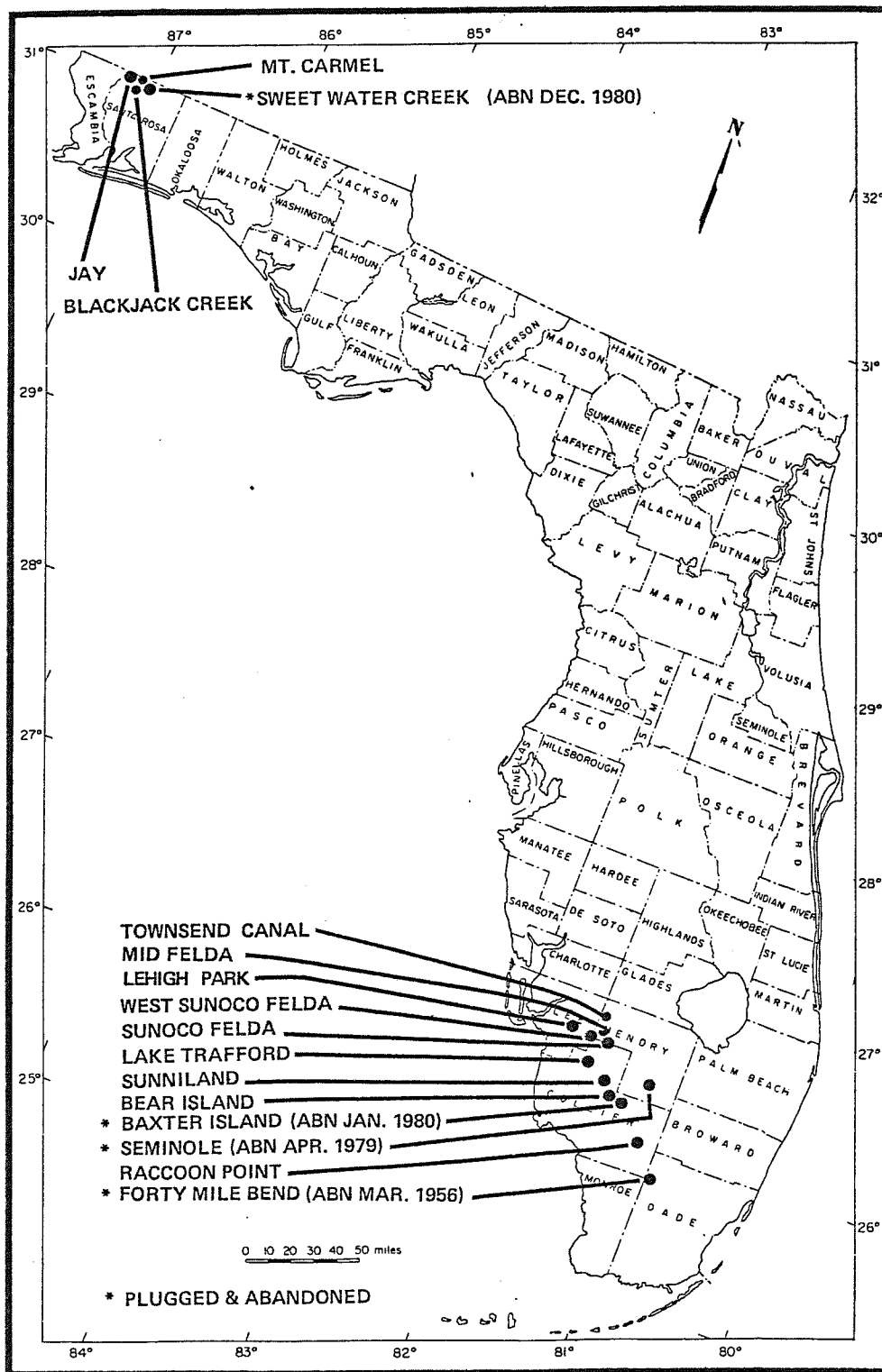
DATE

|                  |                                                                                             |
|------------------|---------------------------------------------------------------------------------------------|
| 12/17 - 12/18/76 | Spud 8 PM 12/17/77. Drilled 26" hole to 200'.<br>Set 20" csg w/500 sx at 200'.              |
| 12/19 - 12/22/76 | Drilled 17-1/2" hole to 1230'. Lost circulation.<br>Stuck DP. Fished DP.                    |
| 12/23 - 12/24/76 | Drilled 1230' to 1346'. Set 13-3/8" csg at<br>1346' w/900 sx & 50 sx around top.            |
| 12/25 - 12/31/76 | Drilled 1346' to 3970'. Top boulder zone 2040'.<br>Set 9-5/8" csg at 3907' w/400 sx cement. |
| 1/1 - 1/13/77    | Drilled 3970' to 11,555'.                                                                   |
| 1/14 - 1/15/77   | Cored 11,555' to 11,647'.                                                                   |
| 1/16/77          | Drilled 11,647' to 11,776'.                                                                 |
| 1/17/77          | Cored 11,776' to 11,814'. Logged, stuck dipmeter.                                           |
| 1/22/77          | Fished tool, logged. Set plugs, pulled csg. D&A.                                            |

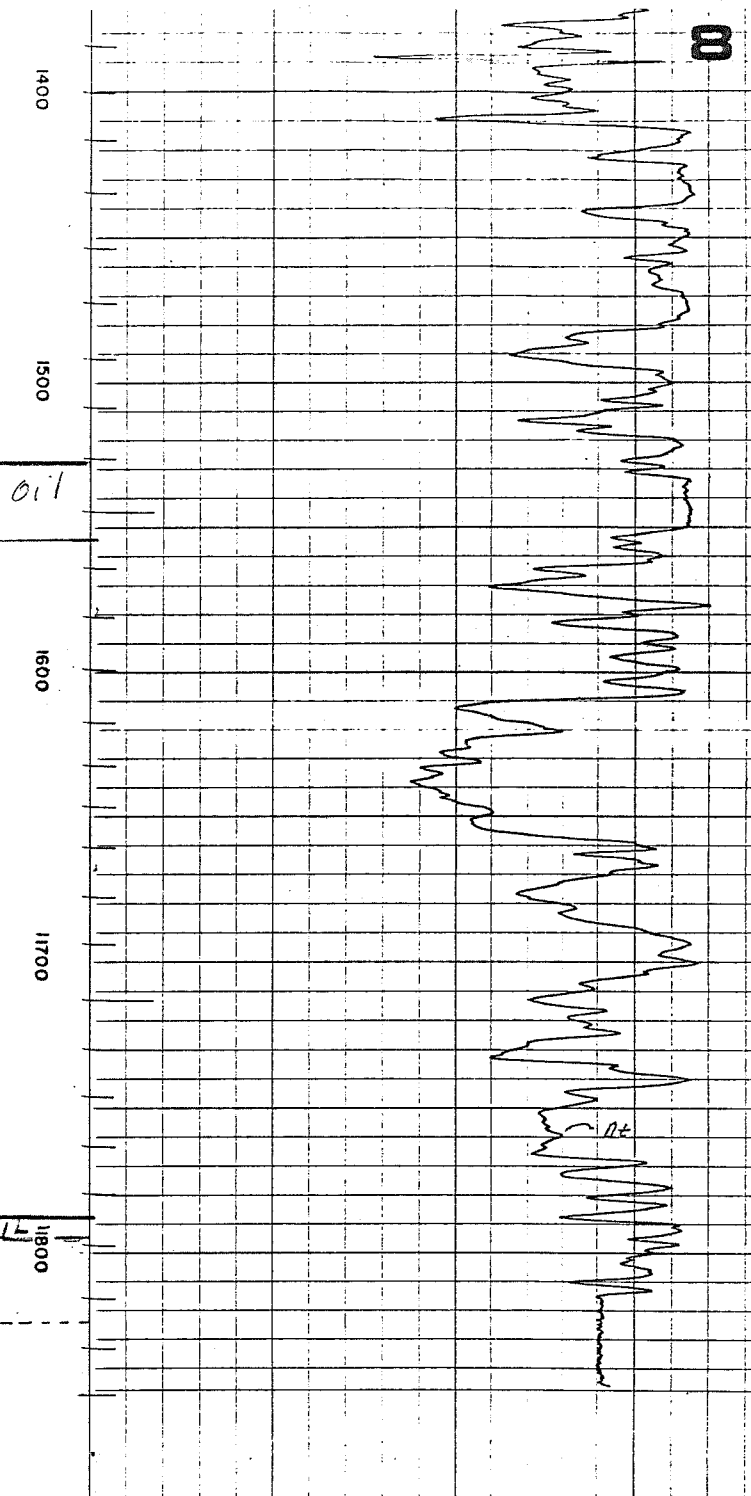
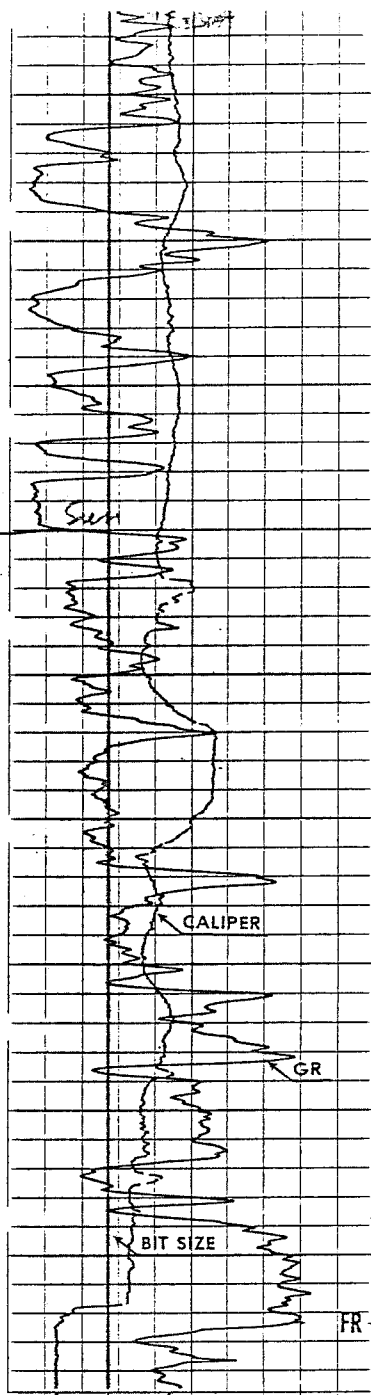
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OCT 5 1977

BUREAU OF GEOLOGY



## FLORIDA OIL FIELDS

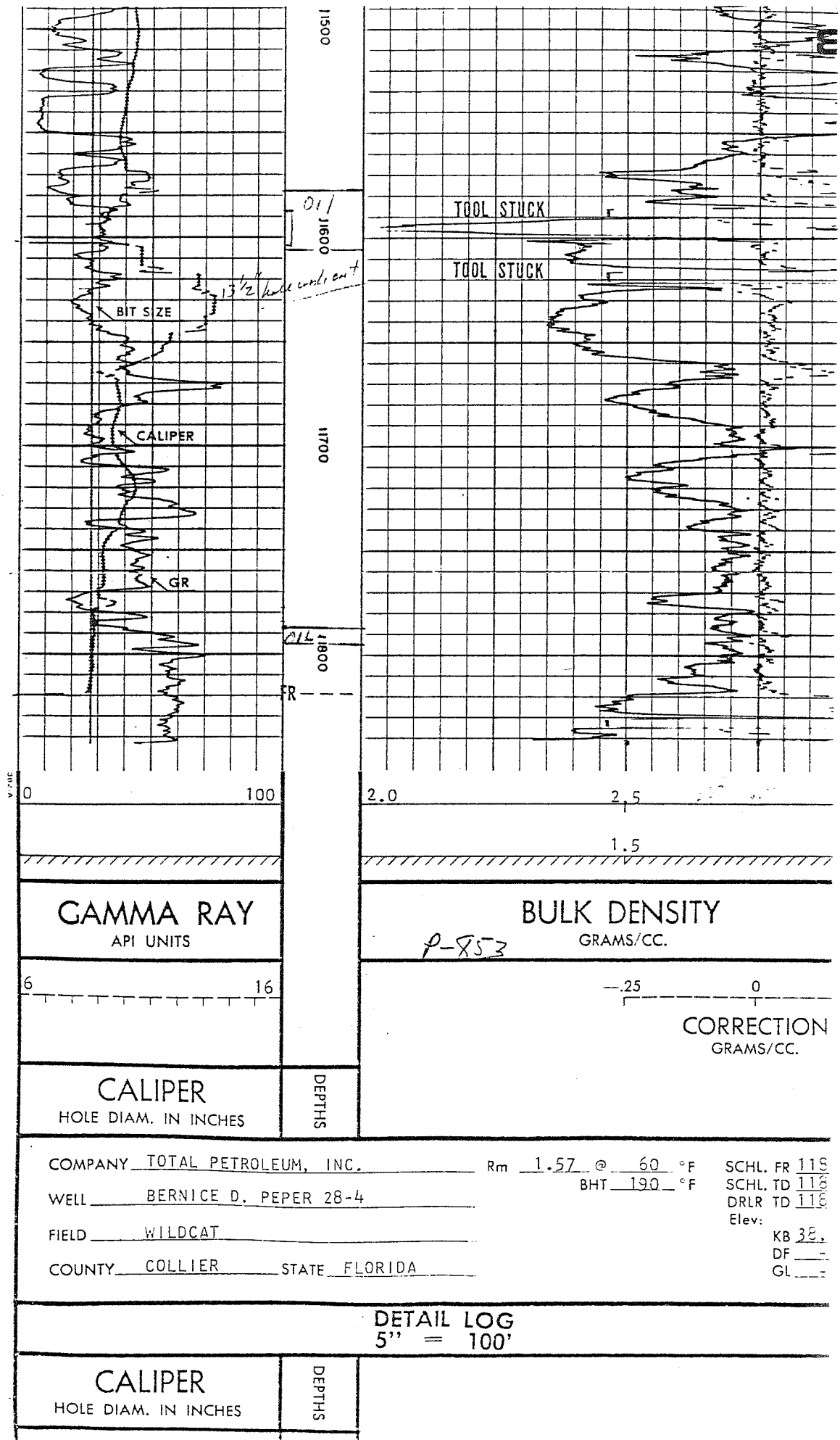


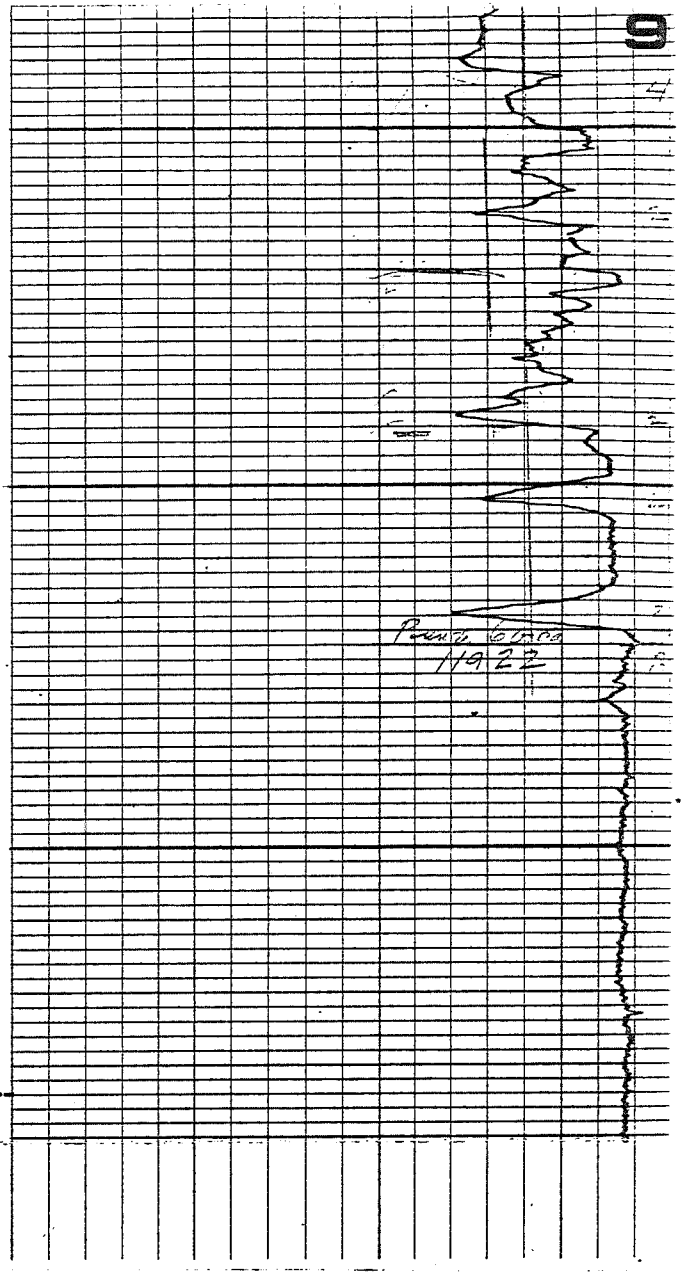
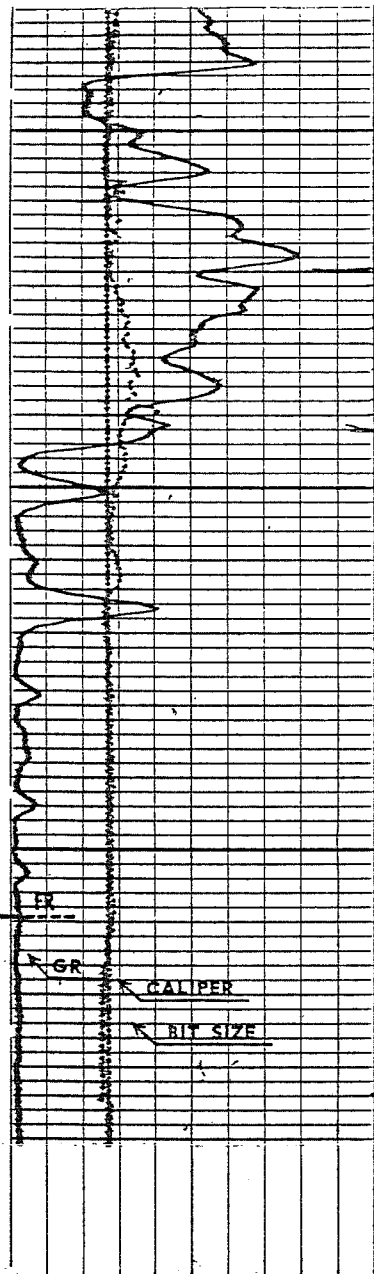
| GAMMA RAY |     |
|-----------|-----|
| API UNITS |     |
| 0         | 100 |

| CALIPER         |    |
|-----------------|----|
| DIAM. IN INCHES |    |
| 6               | 16 |

| INTERVAL TRANSIT TIME |     |
|-----------------------|-----|
| MICROSECONDS PER FOOT |     |
| 70                    | 130 |

|         |                        |               |          |       |
|---------|------------------------|---------------|----------|-------|
| COMPANY | TOTAL PETROLEUM, INC.  | 9853          | SCHL. FR | 11816 |
| WELL    | BERNICE D. PEPPER 28-4 |               | SCHL. TD | 11829 |
| FIELD   | WILDCAT                |               | DRLR. TD | 11814 |
| COUNTY  | COLLIER                | STATE FLORIDA | Elev. KB | 38.49 |
|         |                        |               | DF       | NA    |
|         |                        |               | GL       | NA    |





|                                         |               |                                                        |
|-----------------------------------------|---------------|--------------------------------------------------------|
| <p>6 16</p>                             |               |                                                        |
| <p>CALIPER<br/>HOLE DIAM. IN INCHES</p> |               | <p>T. 3 R. 2 R.</p>                                    |
|                                         |               | <p>100 70 130</p>                                      |
| <p>GAMMA RAY<br/>API UNITS</p>          | <p>DEPTHS</p> | <p>INTERVAL TRANSIT TIME<br/>MICROSECONDS PER FOOT</p> |

COMPANY MOBIL OIL CORP. #401

WELL #1 BARRON COLLIER, JR.

FIELD WILDCAT

COUNTY COLLIER STATE FLA.

SWSC FR 11984

SWSC TD 11987

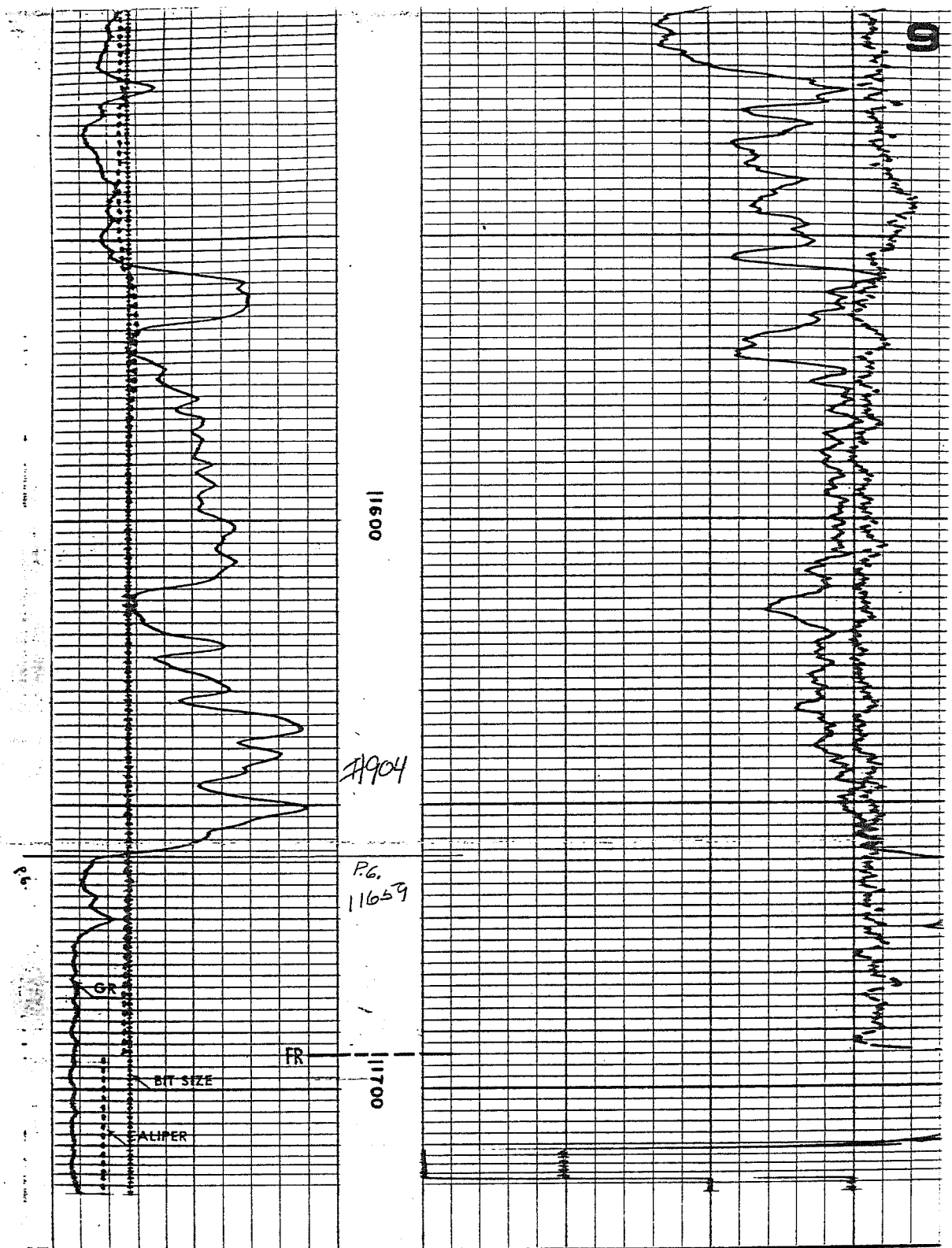
DRIR TD 11980

Elev:

KB 40

DF 39

GL 24



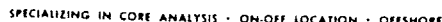
|                                              |  |       |                                                 |  |
|----------------------------------------------|--|-------|-------------------------------------------------|--|
| <b>CALIPER</b> DIAM. IN INCHES<br>6 ————— 16 |  | DEPTH | <b>CORRECTION</b> GRAMS CC<br>- .25 ————— 0     |  |
| <b>GAMMA RAY</b> API UNITS<br>0 ————— 100    |  |       | <b>BULK DENSITY</b> GRAMS CC<br>2.0 — 2.5 — 1.5 |  |
| (Empty section for additional data)          |  |       | (Empty section for additional data)             |  |

REPEAT SECTION

February, 1983

1943 - 1982 Florida Production Totals

| <u>Field</u>       | <u>Oil</u><br><u>(STB)</u> | <u>Gas</u><br><u>(MCF)</u> |
|--------------------|----------------------------|----------------------------|
| Sunniland          | 17,834,532                 | 1,769,445                  |
| Forty Mile Bend    | 32,888                     | 1,656                      |
| Sunoco Felda       | 10,419,592                 | 907,618                    |
| West Felda         | 34,251,024                 | 2,761,899                  |
| Lake Trafford      | 218,077                    | 0                          |
| Jay (Florida Only) | 318,081,319                | 395,716,377                |
| Mt. Carmel         | 4,272,147                  | 4,359,112                  |
| Blackjack Creek    | 44,600,386                 | 40,005,324                 |
| Bear Island        | 6,924,616                  | 535,019                    |
| Seminole           | 84,755                     | 0                          |
| Lehigh Park        | 3,644,693                  | 367,679                    |
| Sweetwater Creek   | 13,695                     | 14,655                     |
| Baxter Island      | 1,859                      | 0                          |
| Mid-Felda          | 626,543                    | 10,094                     |
| Raccoon Point      | 8,427                      | 188                        |
| Townsend Canal     | 22,309                     | 0                          |
| <u>TOTAL</u>       | 441,036,862 STB            | 446,449,066 MCF            |



①

WELL Bernice D. Pepper 28-4 COUNTY Collier STATE Florida  
COMPANY Total Petroleum, Inc. DATE January 14-16, 1977  
FIELD Wildcat TYPE CORES Diamond  
Conventional ANALYST J.L. Thorp

## ANALYSIS DATA AND INTERPRETATIONS

[illegible]



②

WELL Bernice D. Pepper 28-4 COUNTY Collier STATE Florida  
COMPANY Total Petroleum, Inc. DATE January 14-16 1977  
FIELD Wildcat TYPE CORES Diamond  
Conventional ANALYST J.L. Thorp

## ANALYSIS DATA AND INTERPRETATIONS

[illegible]

Figure 3a

3

WELL Bernice D. Pepper 28-4 COUNTY Collier STATE Florida  
COMPANY Total Petroleum, Inc. DATE January 14-16, 1977  
FIELD Wildcat TYPE CORES Diamond  
Conventional ANALYST J.L. Thorp

## ANALYSIS DATA AND INTERPRETATIONS

[illegible]