

ARCO LTD



PE604529

WELL NAME **DUCK BAY NO. 1** SPUNDED **February 15, 1964**  
 LOCATION **Latitude 37° 56' 45" S** **Longitude 147° 39' 36" E** COMPLETED **February 28, 1964**  
 ELEVATION **G.L. 68' RKB 79'** STATUS **Plugged and abandoned**  
 TOTAL DEPTH **4238' Schlum., 4224'** RIG **National 50**  
 CASING **13-3/8" @ 410'** Driller \_\_\_\_\_ CONTRACTOR **Reading and Bates P/L**  
 F. T. **DIGRAM** and  
 GEOLOGIST **G. FLEIT**

| BIT TYPES & REMARKS   | DRILLING RATE |   |   |   |   | LITHOLOGY<br>% OF CUTTINGS | MUD GAS<br>DETECTION<br>Total Gas Units | DEPTH<br>IN FEET | LITHOLOGY<br>INTERPRETATIVE | LITHOLOGICAL<br>DESCRIPTIONS  | STRATIGRAPHIC<br>COLUMN |
|-----------------------|---------------|---|---|---|---|----------------------------|---|------------------|-----------------------------|---|-------------------------|
|                       | 1             | 2 | 3 | 4 | 5 |                            |   |                  |                             |   |                         |
| REED<br>17 1/4<br>T   |               |   |   |   |   |                            | 25 50 75                                | 40 - 300'        |                             | <p><u>Sand</u>, medium to very coarse grained and pebbly;</p> <p><u>Clay</u>, yellow to gray; and</p> <p><u>Lignite</u></p>   |                         |
|                       |               |   |   |   |   |                            |   | 300' - 350'      |                             | <p><u>Sand</u>, fine - medium grained with some coarse grains and pebbles, very shelly; and <u>Clay</u>, gray, sandy</p>  |                         |
|                       |               |   |   |   |   |                            | 13 3/8                                  | 350' - 510'      |                             | <p><u>Marl</u>, medium gray, silty, soft, very fossiliferous</p>  |                         |
| SEC<br>8 3/4<br>S 3 J |               |   |   |   |   |                            |   | 510' - 1050'     |                             | <p><u>Limestone</u>, white, yellow and light brown, finely crystalline to fine grained, very fossiliferous and often coquinoidal in upper half, friable to slightly hard, porous in upper half, argillaceous and tight in lower half, slightly glauconitic.</p> |                         |
|                       |               |   |   |   |   |                            |   | 1050' - 1400'    |                             | <p><u>Limestone</u>, cream to white, fine grained, very fossiliferous; and <u>Marl</u>, gray to gray green, friable, slightly glauconitic, upper and lower boundaries gradational.</p>  |                         |
|                       |               |   |   |   |   |                            |   | 1400' - 2190'    |                             | <p><u>Claystone</u>, light to medium gray, soft and sticky in cuttings, slightly fossiliferous and slightly glauconitic, calcareous; and minor <u>Marl</u>, medium gray to gray green, friable.</p>   |                         |
|                       |               |   |   |   |   |                            |   | 1700             |                             |   |                         |
|                       |               |   |   |   |   |                            |   | 1800             |                             |   |                         |
|                       |               |   |   |   |   |                            |   | 1900             |                             |   |                         |