

DORCHESTER EXPLORATION, INC.

DRILL STEM TEST REPORT

Date: 9-19-79

Well Name & Number: Morton Solid State Unit #1

Drill Stem Test Number: 4

Depth Tested: From: 10,570 ft. To: 10,612 ft.

Formation Tested: Permo-Penn

Preflow Time: 5 mins.

Tool Open with Poor, Fair, Good, Very Good Blow in        mins.

Gas to Surface        mins., Maximum        MCFGPD

Initial Shut-in Time: 90 mins.

Final Flow Time: 45 mins.

Tool Open with (Type of Blow): Weak

Estimated Maximum Gas Vol:        MCFPD; Decreased to  
       MCF on        choke

Final Shut-In: 180 mins.

Drill String Recovery: 1014' DM

Sample Chamber Recovery: 1) 2300 gas with        PSI  
2) 2300 cc mud

|   | <u>Top</u>    | <u>Bottom</u> |
|---|---------------|---------------|
| 6. Initial Hydrostatic Pressure:  | <u>5140</u>   | <u>      </u> |
| 7. Initial Flow Pressure:   | <u>      </u> | <u>      </u> |
| 8. Initial Shut-in Pressure:  | <u>85</u>     | <u>      </u> |
| 9. Final Flow Pressure:   | <u>495</u>    | <u>      </u> |
| 0. Final Shut-In Pressure:  | <u>4011</u>   | <u>      </u> |
| 1. Final Hydrostatic Pressure:  | <u>5022</u>   | <u>      </u> |
| 2. Bottom Hole Temperature: <u>156</u> °F   |               |               |
| 3. Time Test Started: <u>7:00</u> <del>am</del> <sup>pm</sup> Finished: <u>1:15</u> <del>am</del> <sup>pm</sup> |               |               |
| 4. Service Company: <u>Johnston</u>   |               |               |
| 5. DEI Supervisor: <u>      </u>  |               |               |

Note: Final Shut in time must be doubled the final flow time.