

## DORCHESTER EXPLORATION, INC.

## DRILL STEM TEST REPORT

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C. C. D.  
ARTESIA, OFFICE

1. Date: 1-5-80
  2. Well Name & Number: Brangus #1
  3. Drill Stem Test Number: 3
  4. Depth Tested: From: 7980 ft. To: 8173 ft.
  5. Formation Tested: Siluro-Devonian
  6. Preflow Time: 15 mins.
  7. Tool Open with Poor, Fair, Good, Very Good Blow in 15 mins. Fair flow in
  8. Gas to Surface - mins., Maximum - MCFGPD
  9. Initial Shut-in Time: 60 mins.
  10. Final Flow Time: 60 mins.
  11. Tool Open with (Type of Blow): Fair to strong @ end of 1 hr.
  12. Estimated Maximum Gas Vol: - MCFPD; Decreased to  
- MCF on - choke
  13. Final Shut-In: 120 mins.
  14. Drill String Recovery: 720' water cut drilling mud
  15. Sample Chamber Recovery: 1) - gas with - PSI  
2) 1350 cc water  
950 cc drilling mud
- |                                   | Top     | Bottom  |
|-----------------------------------|---------|---------|
| 16. Initial Hydrostatic Pressure: | 4318    | 4344    |
| 17. Initial Flow Pressure:        | 150-253 | 139-234 |
| 18. Initial Shut-in Pressure:     | 3292    | 3310    |
| 19. Final Flow Pressure:          | 278-445 | 275-452 |
| 20. Final Shut-In Pressure:       | 3279    | 3310    |
| 21. Final Hydrostatic Pressure:   | 4305    | 4344    |
22. Bottom Hole Temperature: 146 °F
  23. Time Test Started: 6:40 <sup>am</sup>~~PM~~ Finished: 10:55 <sup>am</sup>~~PM~~
  24. Service Company: Johnston
  25. DEI Supervisor: Blount

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

Resistivity of top of recovery: 0.31 @ 56°  
 Resistivity of middle of recovery: 0.30 @ 56°  
 Resistivity of bottom of recovery: 0.18 @ 56°