

PLATFORM SPARK

TRADING BAY FIELD

INSTALLED 1968

## Platform Spark

1. *Field name:* .....Trading Bay field
  2. *Platform operator:* .....Marathon
  3. *Platform owner(s):*.....Marathon
  4. *Original operator:* .....Arco
  5. *Structural design firm:*.....McDermott
  6. *Fabrication yard (structure):*.....Japan
  7. *Installation year and contractor:* .....1968; McDermott
  8. *Waterdepth (at MLLW):*.....62 feet
  9. *Number and diameter of legs:*.....Three; 13 feet diameter
  10. *Number, size and penetration of piling:*.....Six per leg; 24 inch diameter; 250 feet penetration
  11. *Number, size and penetration of inner piling:*.....None
  12. *Method of installation (driven, drilled, combination):*.....Combination
  13. *Length of grouted interval in legs:*.....
  14. *Design codes used (UBC, AISC, API RP 2A, etc):*.....UBC, AISC
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15. *Number of completed wells through piling:*.....Six oil wells and two water injection wells. All wells are plugged.
  16. *Other completed wells in each leg:* .....None
  17. *Top girders used as storage tanks ?*.....
  18. *If so, what type of liquid:*.....
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19. *Design criteria used:*
    - (1) *Ice thickness and strength:*.....3.5 feet
    - (2) *Wave height and period:*.....28 feet with 8.5 second period
    - (3) *Wind:*.....60 mph with 80 mph gusts
    - (4) *Earthquake:* .....UBC
    - (5) *Temperature:* .....Minus 40° F above water, plus 20° F below water
    - (6) *Current:*.....10 feet per second
  20. *Design considerations:* .....Twenty year design life
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21. *Unusual circumstances during installation ?*.....
  22. *Significant modification or additions to topsides:* .....
  23. *Any significant structural damage incidents ?*.....
  24. *Has platform structural design been re-assessed ?*.....
  25. *If so, by whom and for what reason:*.....
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26. *Type of steel used; above water and below water:*.....A 516
  27. *Steel corrosion allowance used:*.....½ inch
  28. *Type of cathodic protection:*.....
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29. *Dates and API RP 2A levels of underwater inspection:* .....Level II and III in 1993
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Note: Platform not in operation