

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