

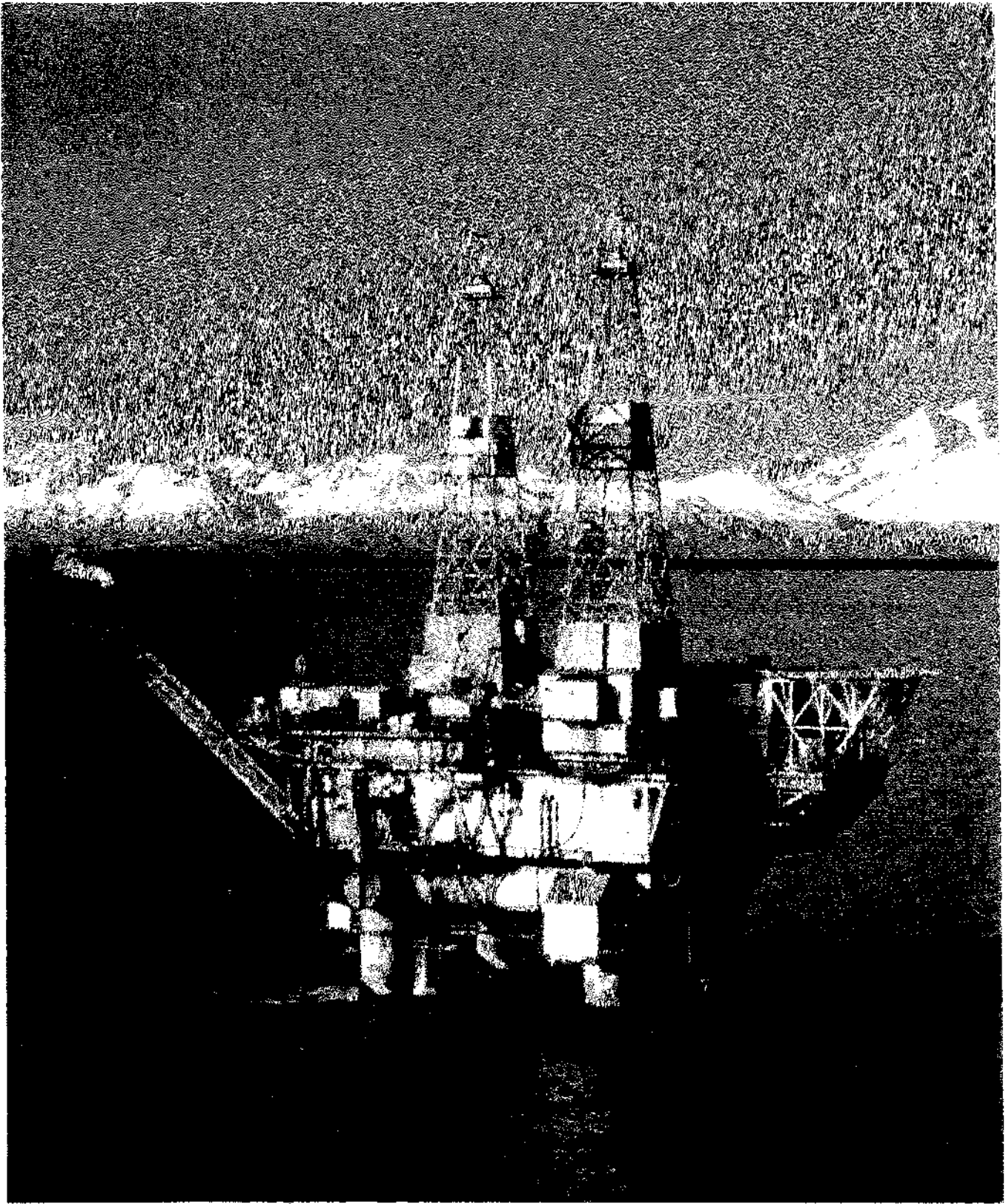
# PLATFORM GRANITE POINT

GRANITE POINT FIELD

INSTALLED 1966

## Platform Granite Point

1. *Field name:*.....Granite Point field
  2. *Platform operator:*.....Unocal
  3. *Platform owner(s):*.....Mobil and Unocal
  4. *Original operator:*.....Mobil
  5. *Structural design firm:*.....Brown & Root
  6. *Fabrication yard (structure):*.....Kaiser Steel, Oakland, California
  7. *Installation year and contractor:*.....1966; Brown & Root
  8. *Waterdepth (at MLLW):*.....75 feet
  9. *Number and diameter of legs:*.....Four legs; 17 feet diameter
  10. *Number, size and penetration of piling:*.....Twelve piles per leg; 33 inch diameter; driven to 40 feet
  11. *Number, size and penetration of inner piling:*.....Twelve piles per leg; 26 inch diameter; driven to 105 feet
  12. *Method of installation (driven, drilled, combination):*.....Driven
  13. *Length of grouted interval in legs:*.....137 feet
  14. *Design codes used (UBC, AISC, API RP 2A, etc):*.....UBC, AISC
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15. *Number of completed wells in each leg through piling:*.....Leg 1 - nine wells; Leg 3 - eleven wells;  
No wells in Legs 2 and 3
  16. *Other completed wells in each leg:*.....None
  17. *Top girders used as storage tanks ?*.....Yes
  18. *If so, what type of liquid:*.....Potable water; drill water; Cook Inlet water; diesel fuel;  
crude oil.
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19. *Design criteria used:*
    - (1) *Ice thickness and strength:*.....Five foot thick; 43.2 ksi/ft
    - (2) *Wave height and period:*.....28 feet
    - (3) *Wind:*.....Not available
    - (4) *Earthquake:*.....
    - (5) *Temperature:*.....Minus 38° F to plus 70° F
    - (6) *Current:*.....Current speed 8 knots
  20. *Design considerations:*.....
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21. *Unusual circumstances during installation ?*.....Platform adrift prior to setting down.
  22. *Significant modification or additions to topsides:*.....Added waterflood; currently expanding waterhandling  
capacity.
  23. *Any significant structural damage incidents ?*.....None
  24. *Has platform structural design been re-assessed ?*.....No
  25. *If so, by whom and for what reason:*.....
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26. *Type of steel used; above water and below water:*.....Above water A-537; below water A-36
  27. *Steel corrosion allowance used:*.....½ inch corrosion wrap through the tidal zone.
  28. *Type of cathodic protection:*.....Impressed current
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29. *Dates and API RP 2A levels of underwater inspection:*.....None
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View of Granite Point platform in the Granite Point field.

Installed 1966  
 Designed by Brown & Root  
 Jacket Wt. 3400 tons  
 3 Primary Deck Trusses 500 tons each  
 12 Piles per leg 33" dia.  
 Penetration 40' 26" insert  
 Piles driven to 105' penetration

Wind Speed ?

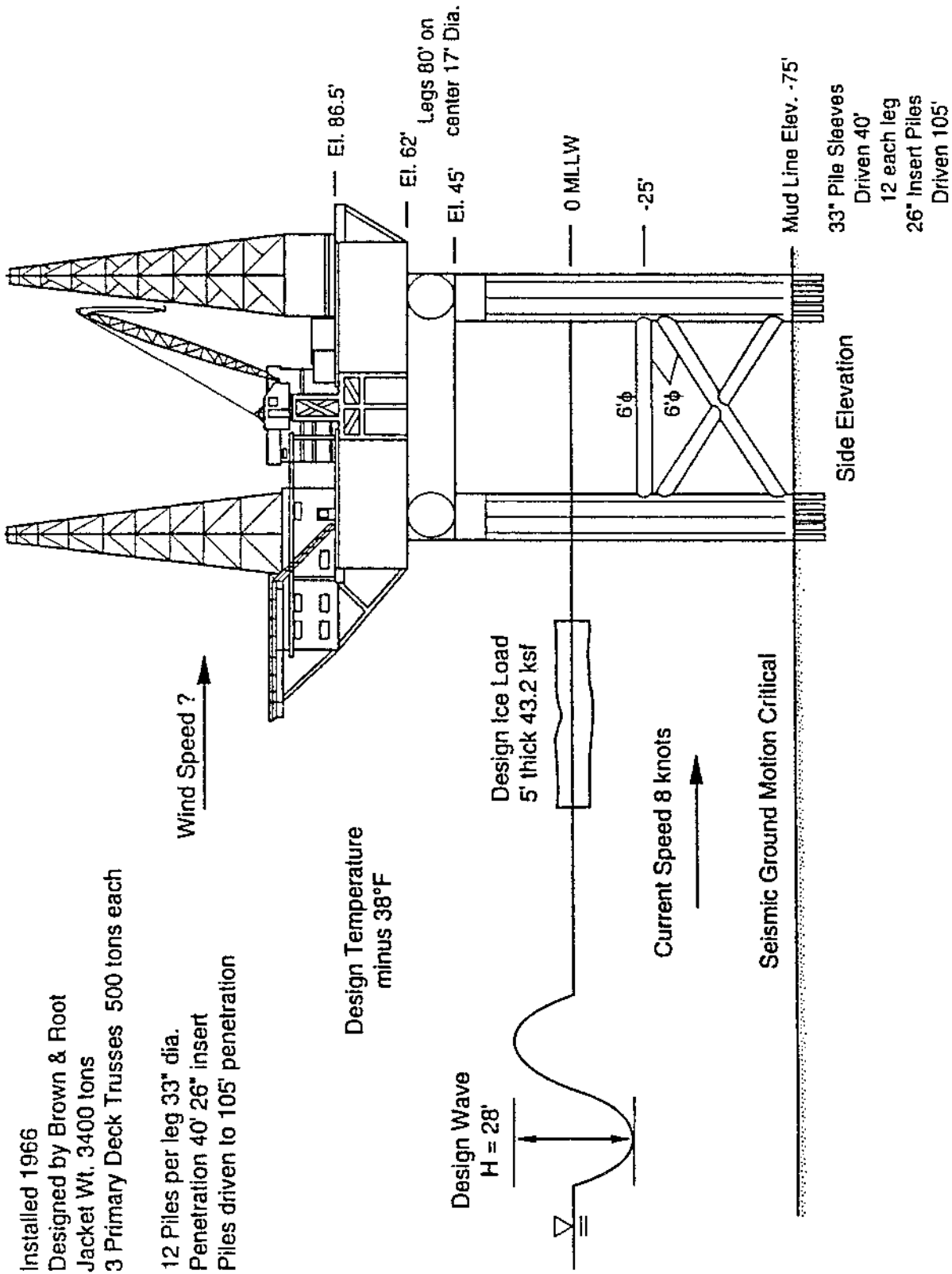
Design Temperature  
minus 38°F

Design Wave  
H = 28'

Design Ice Load  
5' thick 43.2 ksf

Current Speed 8 knots

Seismic Ground Motion Critical



Elevation view and summary details of platform Granite Point.