

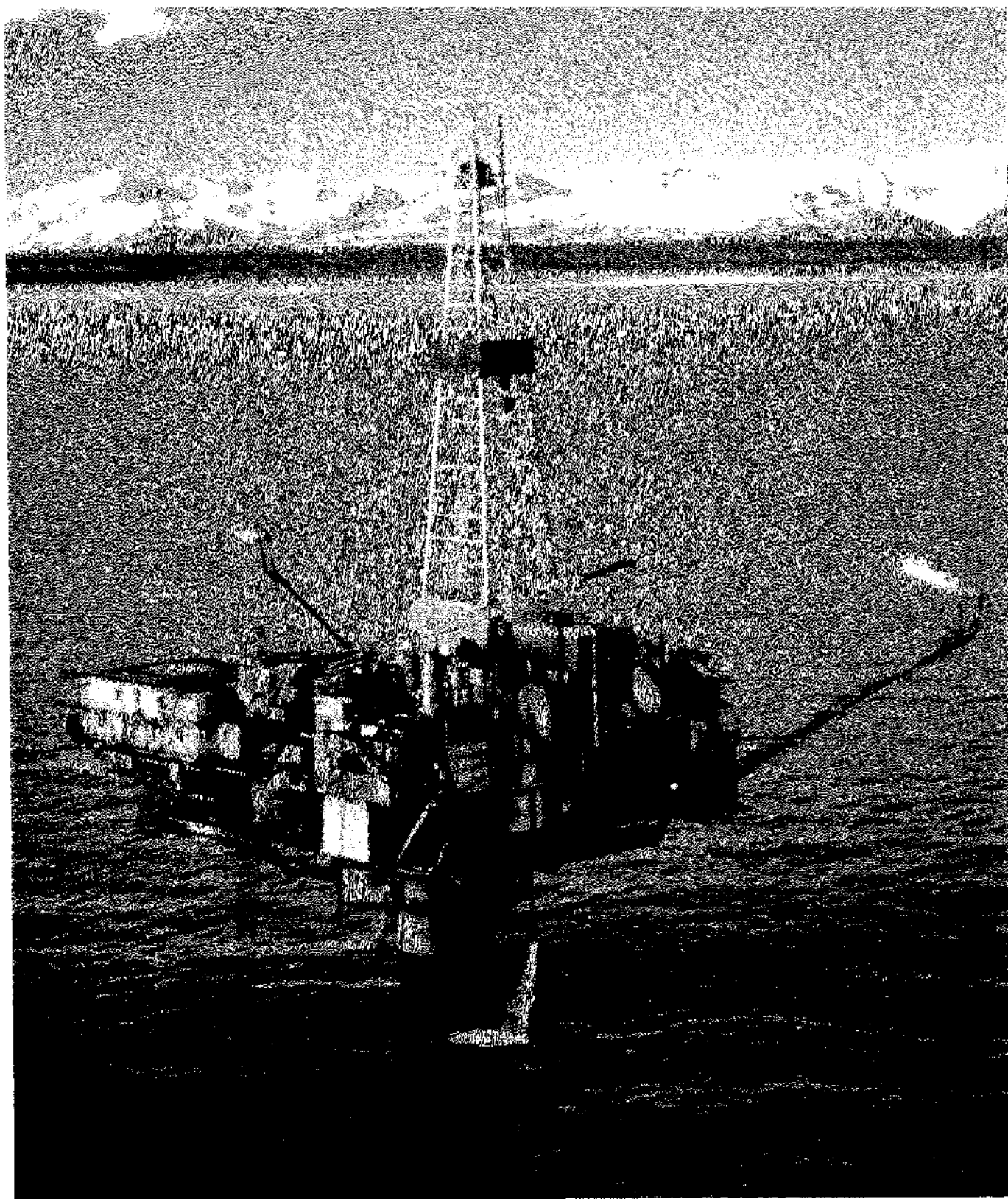
MONOPOD PLATFORM

TRADING BAY FIELD

INSTALLED 1966

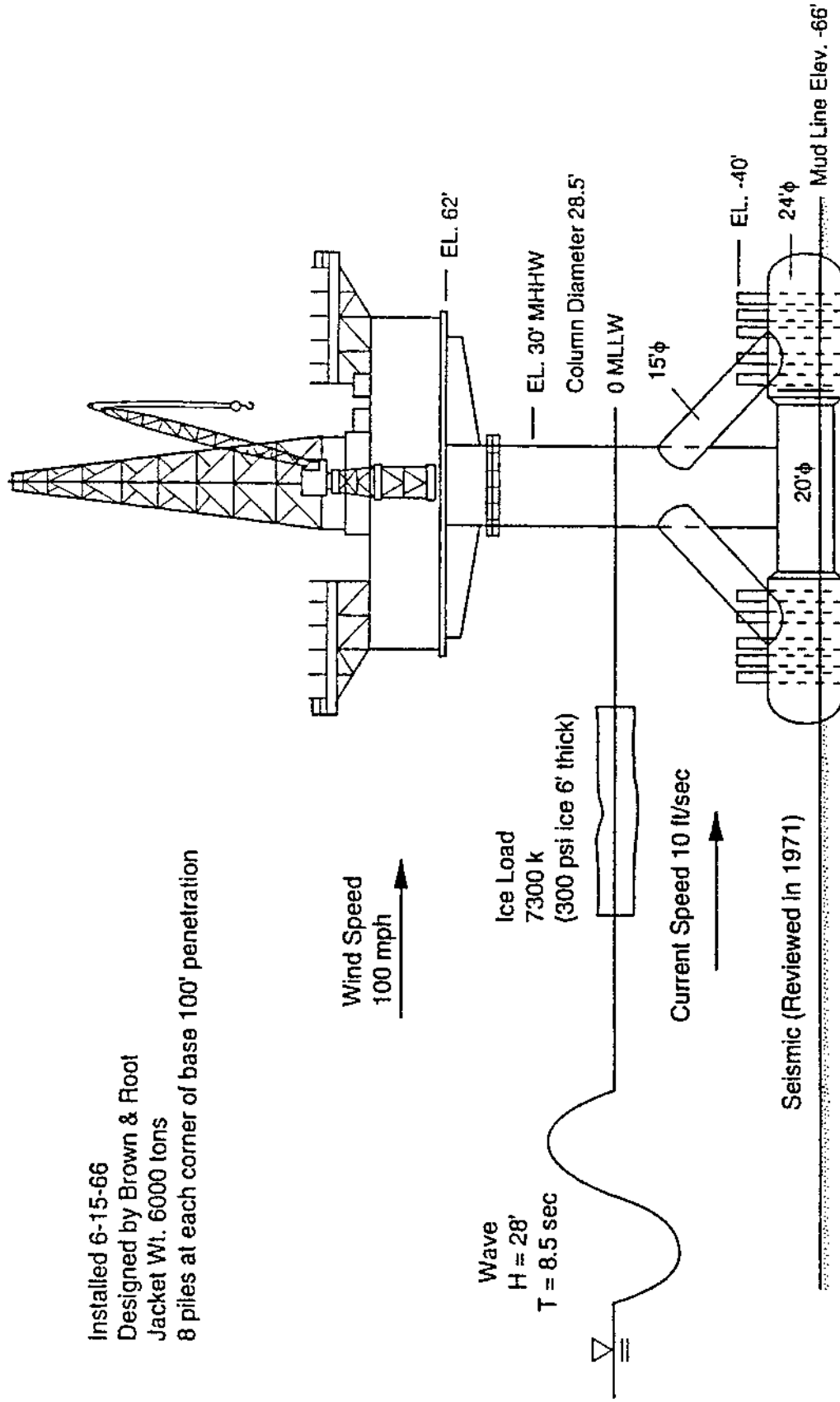
Platform Monopod

1. Field name:.....Trading Bay field
 2. Platform operator:.....Unocal
 3. Platform owner(s):.....Unocal & Marathon
 4. Original operator:.....Unocal
 5. Structural design firm:.....Brown & Root
 6. Fabrication yard (structure):.....American Pipe & Construction, Vancouver, Washington
 7. Installation year and contractor:.....1966; Brown & Root
 8. Waterdepth (at MLLW):.....66 feet
 9. Number and diameter of legs:.....One leg, 28.5 feet in diameter
 10. Number, size and penetration of pontoon piling:.....32 piles; 36 inch diameter with 101 feet penetration
 11. Number, size and penetration of leg piling:.....32 conductor piles; 20 inch diameter with 97 feet penetration
 12. Method of installation (driven, drilled, combination):.....Driven
 13. Length of grouted interval in legs:.....Center leg has 33 feet of grout
 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:.....32
 16. Other completed wells in each leg:.....None
 17. Top girders used as storage tanks?.....Yes
 18. If so, what type of liquid:.....Diesel fuel
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19. Design criteria used:
 - (1) Ice thickness and strength:.....Six feet; 300 psi (7300 kips)
 - (2) Wave height and period:.....28 feet with 8.5 second period
 - (3) Wind:.....100 mph
 - (4) Earthquake:.....0.1 g seismic ground motion
 - (5) Temperature:.....
 - (6) Other:.....
 20. Design considerations:.....Single caisson
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21. Unusual circumstances during installation?.....None
 22. Significant modification or additions to topsides:.....Added waterflood system
 23. Any significant structural damage incidents?.....None
 24. Has platform structural design been re-assessed?.....Yes, 1971, 1991 and 1993
 25. If so, by whom and for what reason:.....Brown & Root (1971 and 1991), Bea (1993); lack of redundancy.
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26. Type of steel used; above water and below water:.....A-537 above water, A-36 below MLLW
 27. Steel corrosion allowance used:.....½ inch wear plate through tide zone.
 28. Type of cathodic protection:.....Impressed current anodes
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29. Dates and API RP 2A levels of underwater inspection:.....1991 - Internal column thickness survey; 1993 - Level III underwater inspection.
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Monopod platform in the Trading Bay field.

Installed 6-15-66
 Designed by Brown & Root
 Jacket Wt. 6000 tons
 8 piles at each corner of base 100' penetration



Max. Meas. Ice Load 45 k

Elevation view and summary details of the Monopod platform.