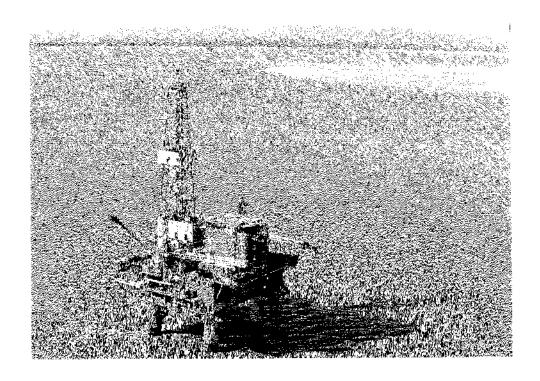
PLATFORM A

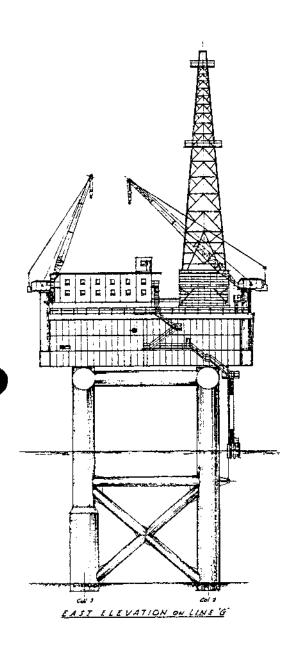
MIDDLE GROUND SHOAL FIELD

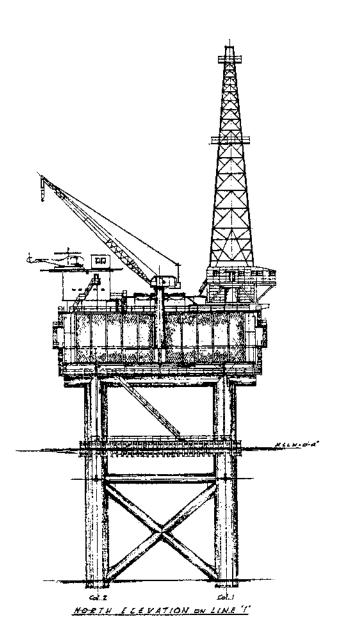
INSTALLED 1964

MGS Platform A

2. 3.	Field name:Platform operator:	
3.	Platform operator:	
	Platform owners:	
	Original operator:	
	Structural design firm:	
	Fabrication yard (structure):	
	Installation year and contractor:	
	Waterdepth (at MLLW):	
	-	Four legs; 14.5 feet diameter. Legs 3 and 4 bell out to 18.5 feet diameter below minus 29 feet MLLW.
		Thirty two 32-inch diameter piling with 30 feet penetration
	Number, size and penetration of inner piling:	
	Method of installation (driven, drilled, combination):	
	Length of grouted interval in legs:	
14.	Design codes used (UBC, AISC, API RP 2A, etc):	AISU; Zone 3 UBC (1961)
15.	Number of completed wells in each leg through piling:	
16.	Other completed wells in each leg:	
17.	Top girders used as storage tanks ?	
18.	If so, what type of liquid:	Diesel fuel
19	Design criteria used:	
,		6 ft on two front legs, 3 ft on two back legs; 300 psi
	(2) Wave height and period:	
	(3) Wind:	
	(4) Earthquake:	• •
		Minus 38° F above water, plus 28° F below water
	(5) Temperature:	·
20.	Design considerations:	
	Dough doile and a second	
21.	Unusual circumstances during installation ?	
22.	Significant modification or additions to topsides:	Yes, added lower deck in 1965, 40 x 30 foot gas com- pressor cantitever and 12 x 30 radiator cantilever in early 1970's, new quarters building and drilling rig in 1989.
<i>23</i> .		in 1971 the six foot horizontal brace between legs 1 and 4 was sheared off due to an iceberg becoming trapped inside the tower frame. The brace was replaced the same year. Reference: 1975 OTC paper 2165.
24.	<u>-</u>	
<i>2</i> 5.	If so, by whom and for what reason:	In 1971 by Earl & Wright and by Shell Head Office Civil Engineering to analyze consequences of loss of horizontal brace. In 1988 by Earl & Wright to review adequacy of deck structure. In 1993 dynamic analysis by Shell HOCE for new drilling program
26.	Type of steel used; above water and below water:	Lukens Lt-75-QT and Sheffield Super-Lo-Temp where low temperature steel required. A-36 elsewhere.
27.	Steel corrosion allowance used:	
		through the tidal zone on all four legs.
28.	Type of cathodic protection:	mapressed current system
29.	Dates and API RP 2A levels of underwater inspection: .	Level II in 1971 and 1978. Level III in 1978, 1983 and 1988.







Elevations of MGS Platform A with original quarters and drilling rig. Note the adjustable boat landing which was removed during the first year of operation.