

UAEA
 338.4766550
 95362
 ADM-MAN

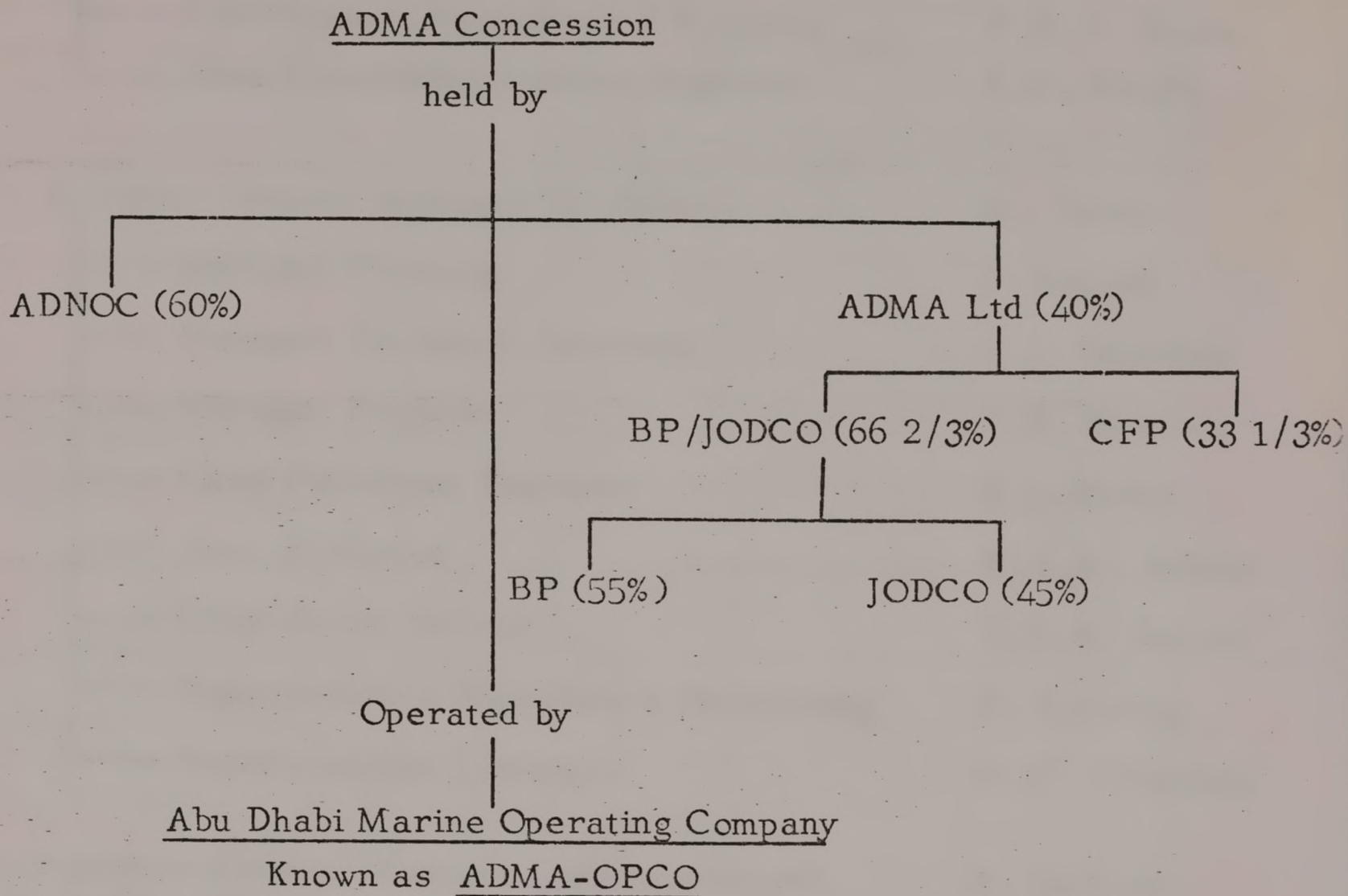
964

ADMA-OPCO - Company Management

In the period from the start of Participation in 1973 to the creation of ADMA-OPCO, ADMA Ltd. acted as Interim Operator for the ADMA Concession.

Following the Implementing Agreement of 2nd April 1977, Abu Dhabi Marine Operating Company (ADMA-OPCO) was established under Law 6 of 1977 and held its first Board Meeting on 10th August 1977. The Transfer Date, on which ADMA-OPCO formally took over from ADMA Ltd. as Interim Operator, was 1st October 1977.

The New Structure



ADNOC	60%
BP	14 2/3%
CFP	13 1/3%
JODCO	12%

The Shareholding in ADMA-OPCO is calculated thus :

ADNOC	=	60
BP	$66 \frac{2}{3} \times 40 \times 55$	= 14 2/3
JODCO	$66 \frac{2}{3} \times 40 \times 45$	= 12
CFP	$33 \frac{1}{3} \times 40$	= 13 1/3

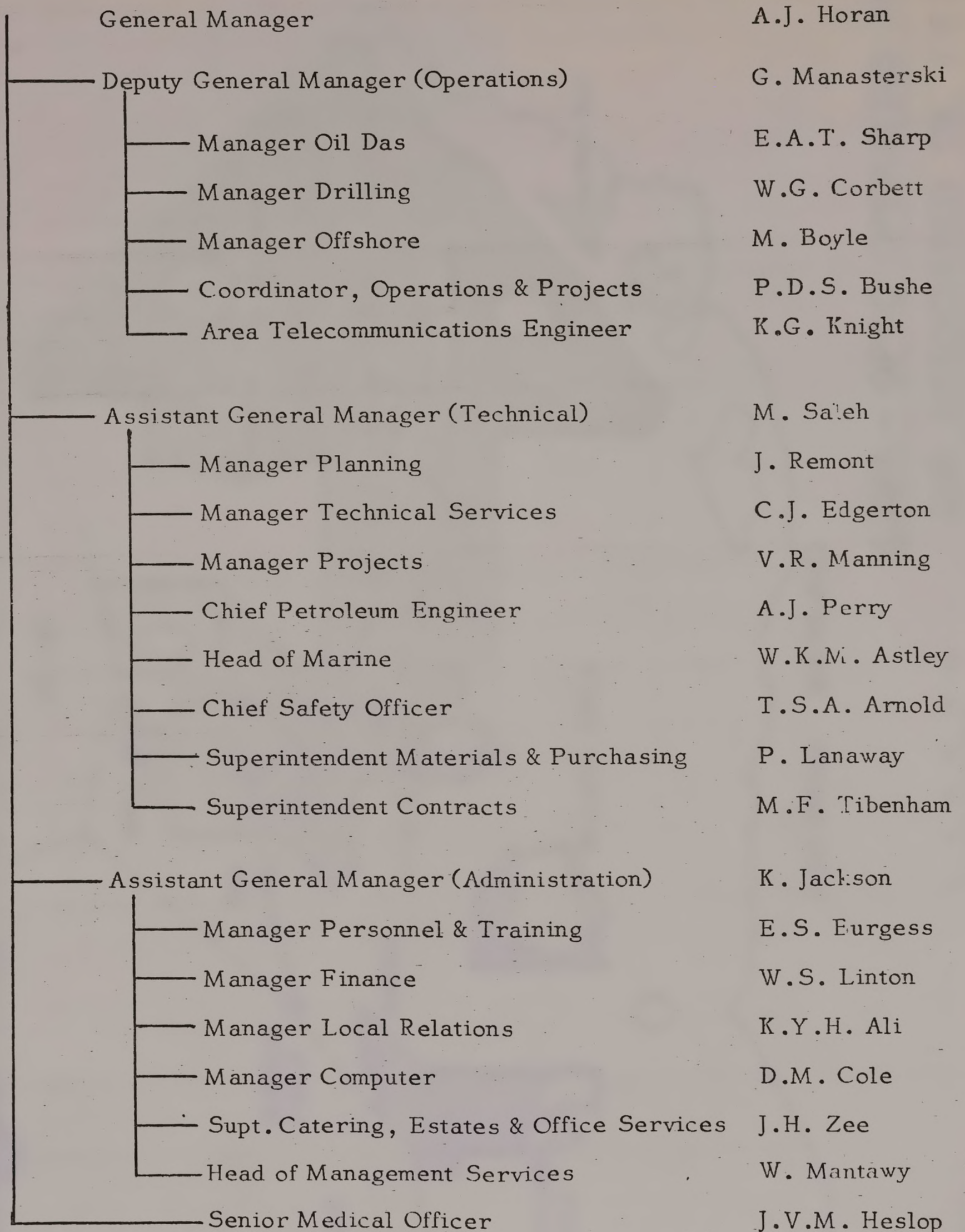
b15680563

(Information, Maps & Plans)

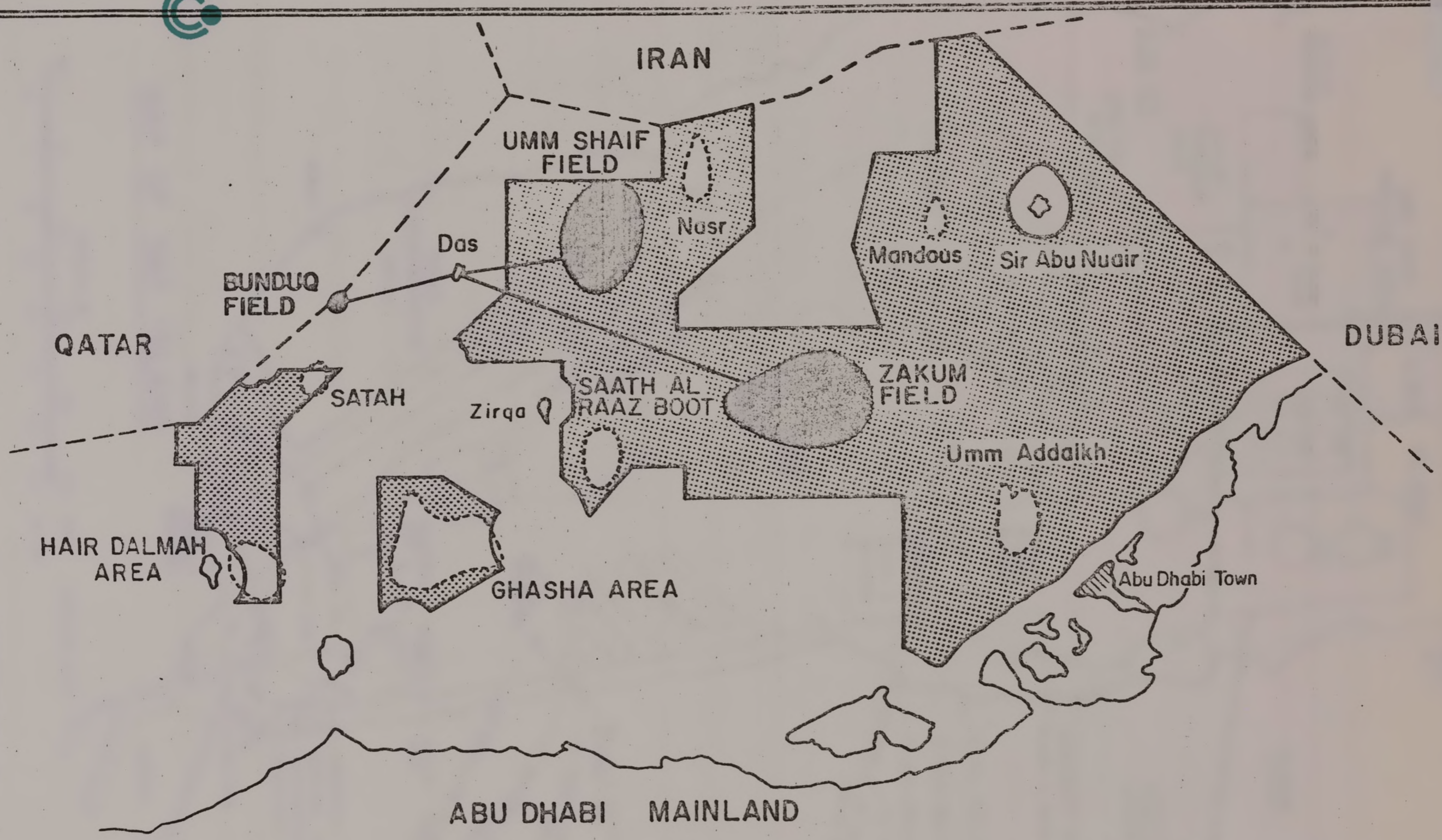
1978

ADMA/OPCO

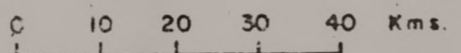
COMPANY MANAGEMENT



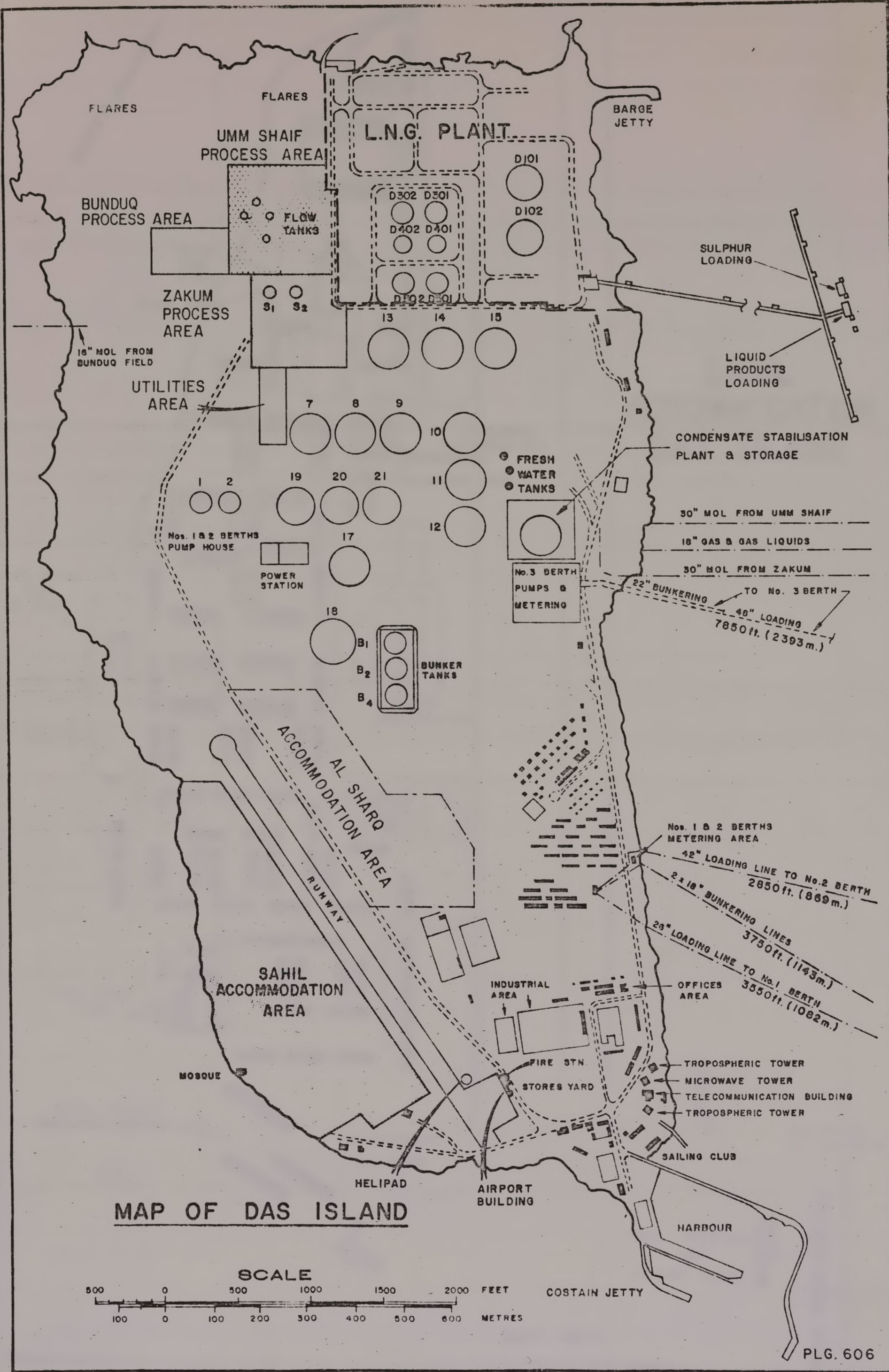
962



ADMA - OPCO OPERATING AREAS
AND ASSOCIATED OIL FIELDS

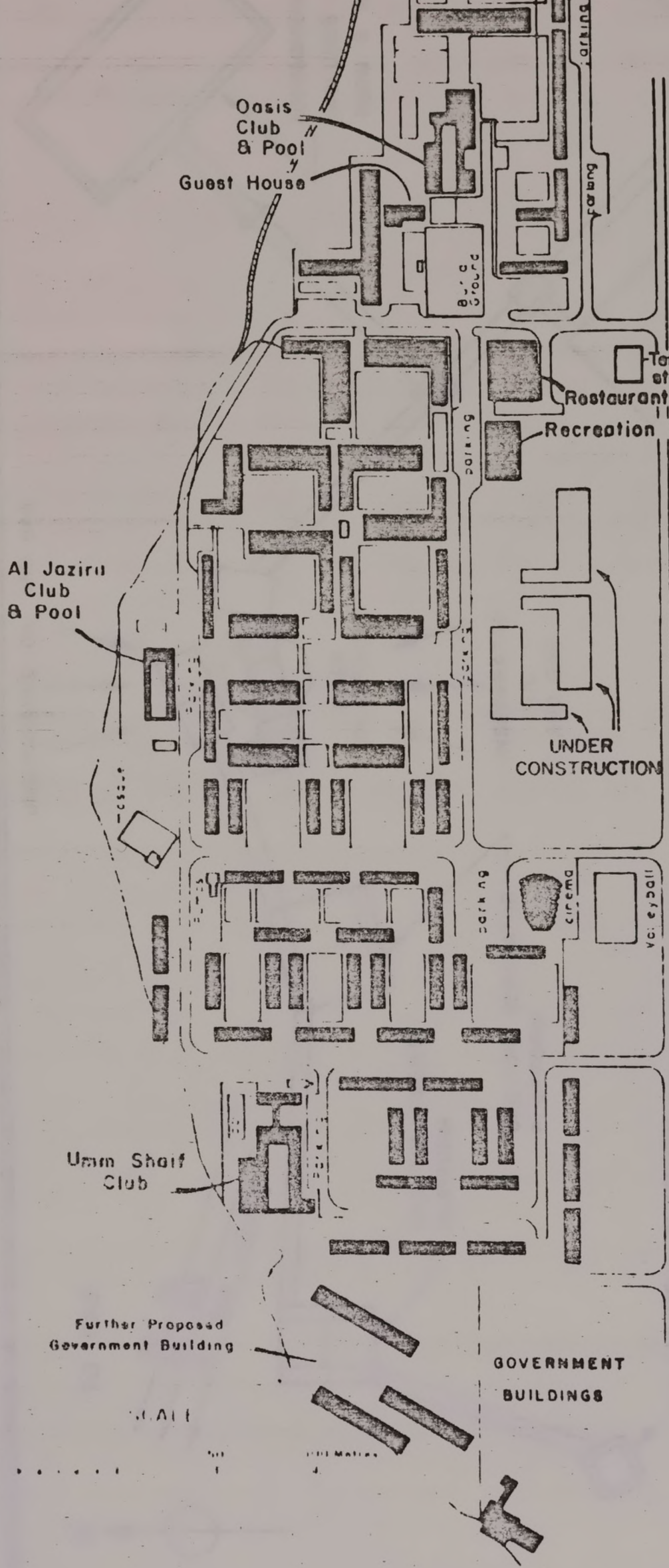


OCT. 1977



MAP OF DAS ISLAND





SAHIL
ACCOMMODATION
DAS ISLAND

RUNWAY

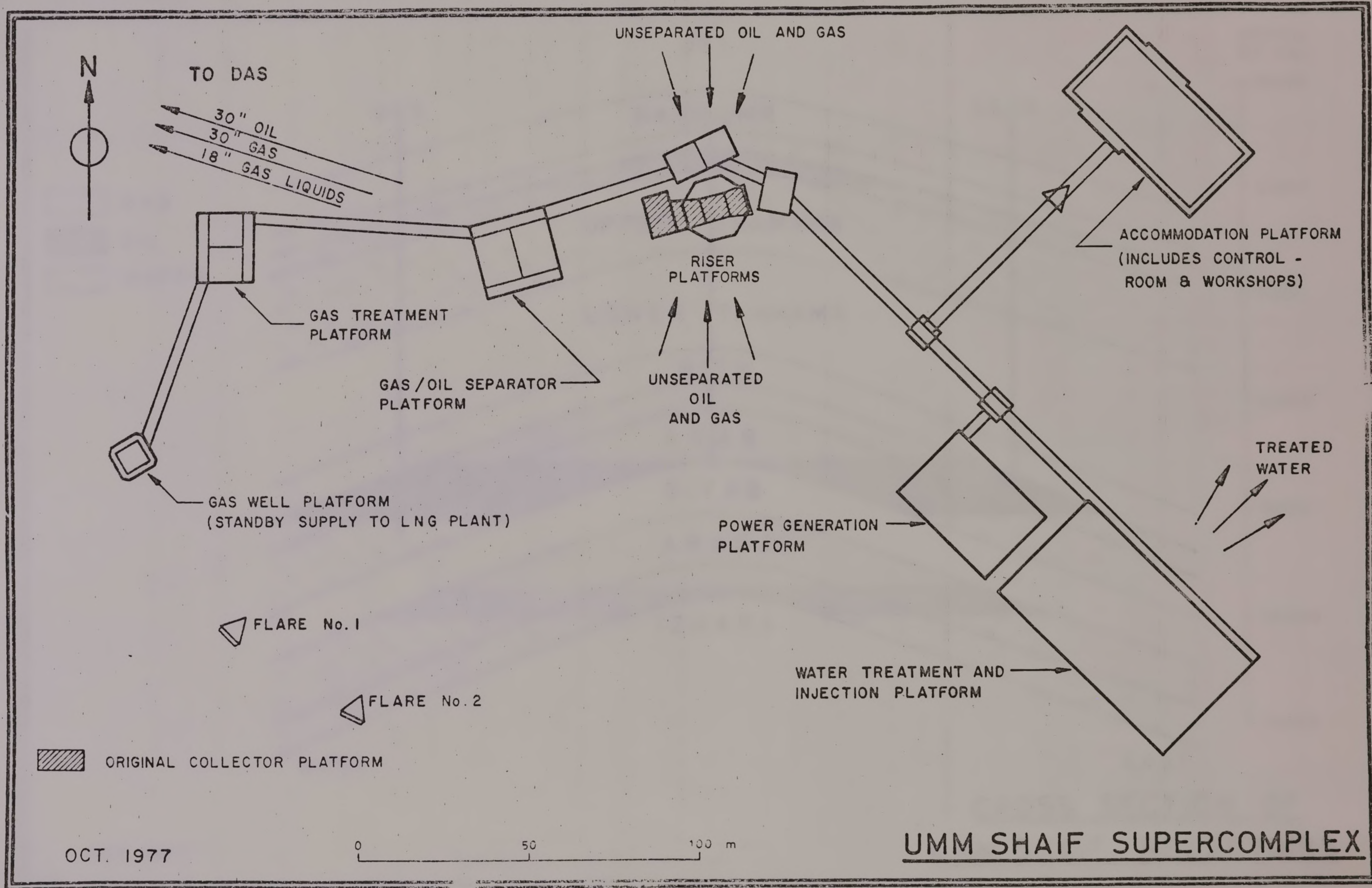
Further Proposed
 Government Building

GOVERNMENT
 BUILDINGS

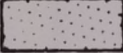

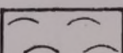
FIRE STATION
 AND
 AIRPORT BLDG

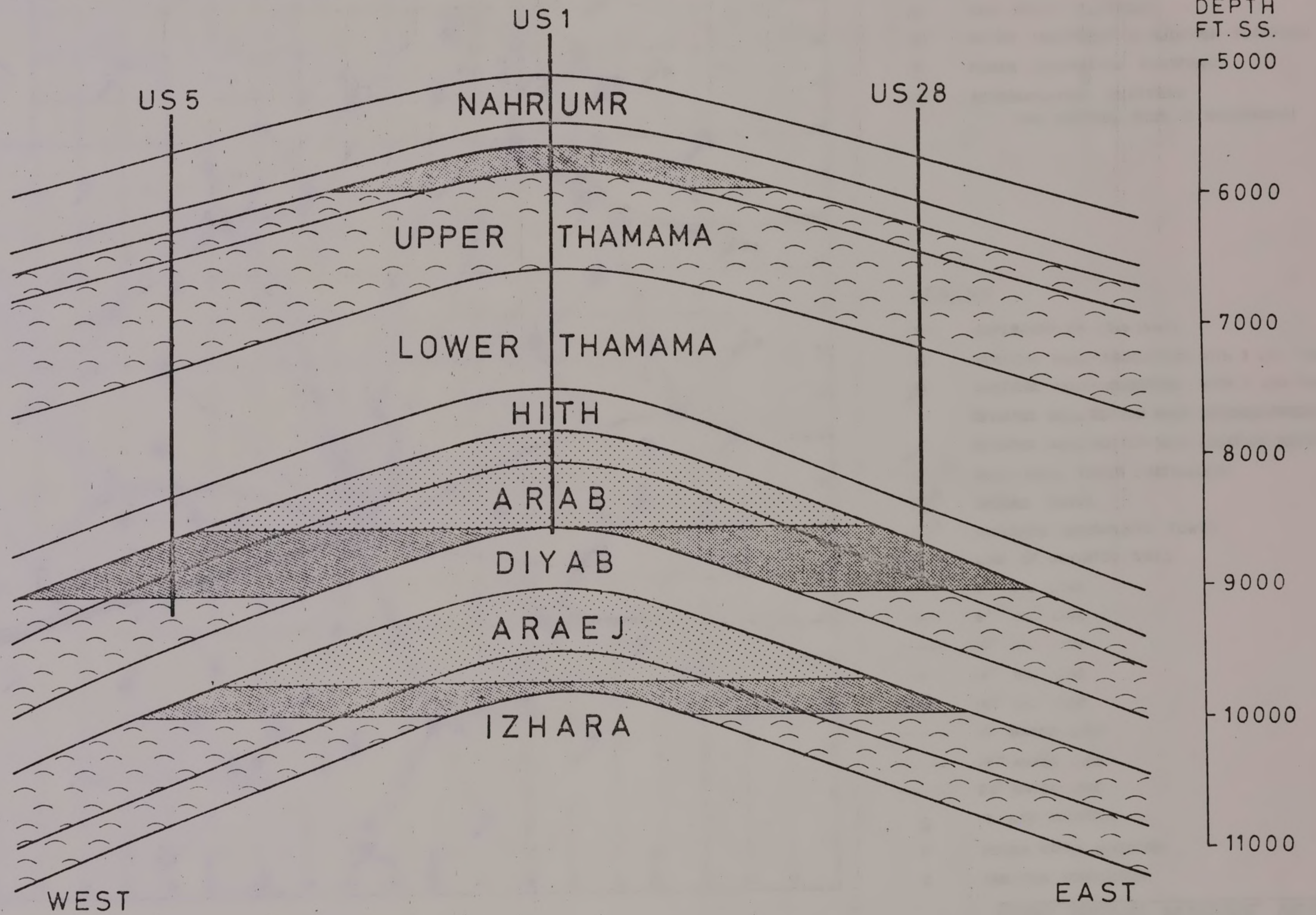
FIRE STATION
 ACCOMMODATION

OCT. 1977



UMM SHAI F SUPERCOMPLEX

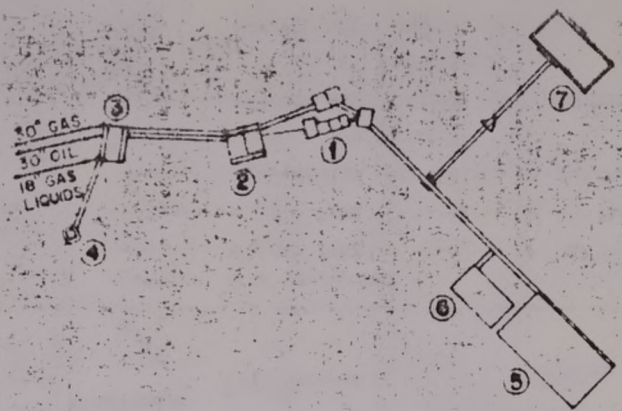
-  GAS
-  OIL
-  WATER



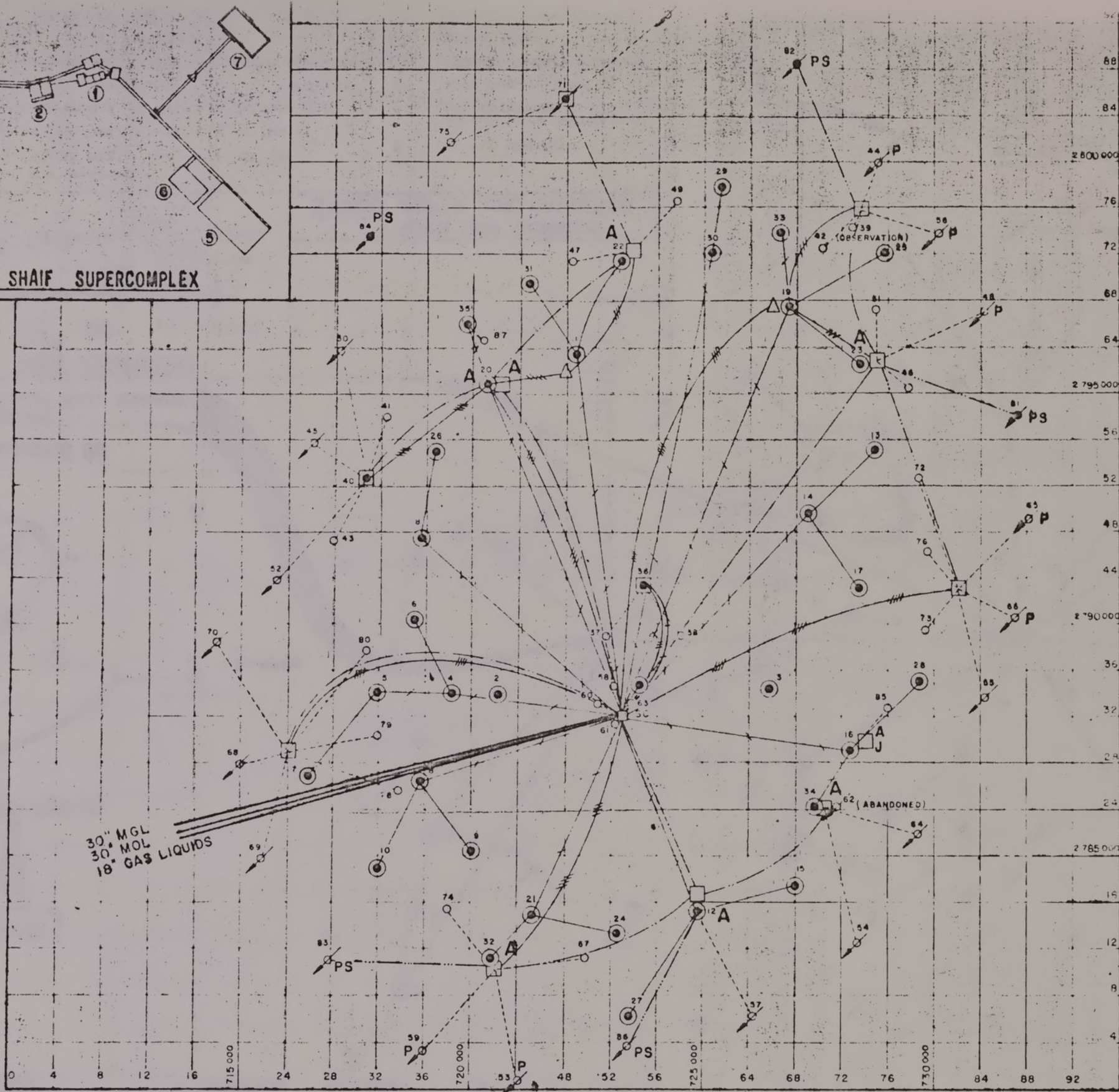
OCT. 1977

5 kms

CROSS SECTION OF
UMM SHAI F RESERVOIRS



UMM SHAIF SUPERCOMPLEX

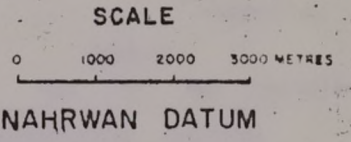


KEY TO SUPERCOMPLEX

- ① RISER PLATFORMS
- ② GAS/OIL SEPARATOR PLATFORM
- ③ GAS TREATMENT PLATFORM
- ④ GAS WELLS PLATFORM
- ⑤ WATER TREATMENT & INJECTION PLATFORM
- ⑥ POWER GENERATION PLATFORM
- ⑦ ACCOMMODATION PLATFORM
(INC. CONTROL ROOM & WORKSHOPS)

LEGEND

- S.C. SUPERCOMPLEX (See inset)
- ⊙ VERTICAL WELL - PRODUCTION, WITH 3 LEG TOWER
- ⊗ VERTICAL WELL - INJECTION, WITH 3 LEG TOWER
- DEVIATED WELL BOTTOM HOLE LOCATION - PRODUCTION
- ⊗ DEVIATED WELL BOTTOM HOLE LOCATION - INJECTION
- MULTI-WELL TOWER (INSTALLED)
- A SECOND TOWER
- J INDICATES INCOMPLETE TOWER
- - - LINE OF DEVIATED WELL
- 6" OIL LINE
- 8" OIL LINE
- 10" OIL LINE
- 12" OIL LINE
- 14" OIL LINE
- 10" WATER LINE
- 14" WATER LINE
- 24" WATER LINE
- △ 3 LEG MANIFOLD
- P POWER WATER INJECTION
- S SUB-SEA COMPLETION



PIPELINE ROUTES ARE DIAGRAMMATIC ONLY

ABU DHABI MARINE AREAS

**UMM SHAIF
FIELD FACILITIES**

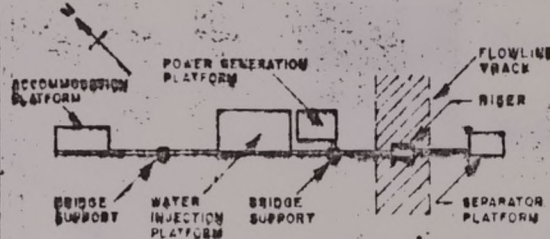
AT
1st JANUARY 1978

ORIG.	DRN.	CD.	DATE	DRG.
CKCSP.	CVG.		31-12-77	No. US-F-193

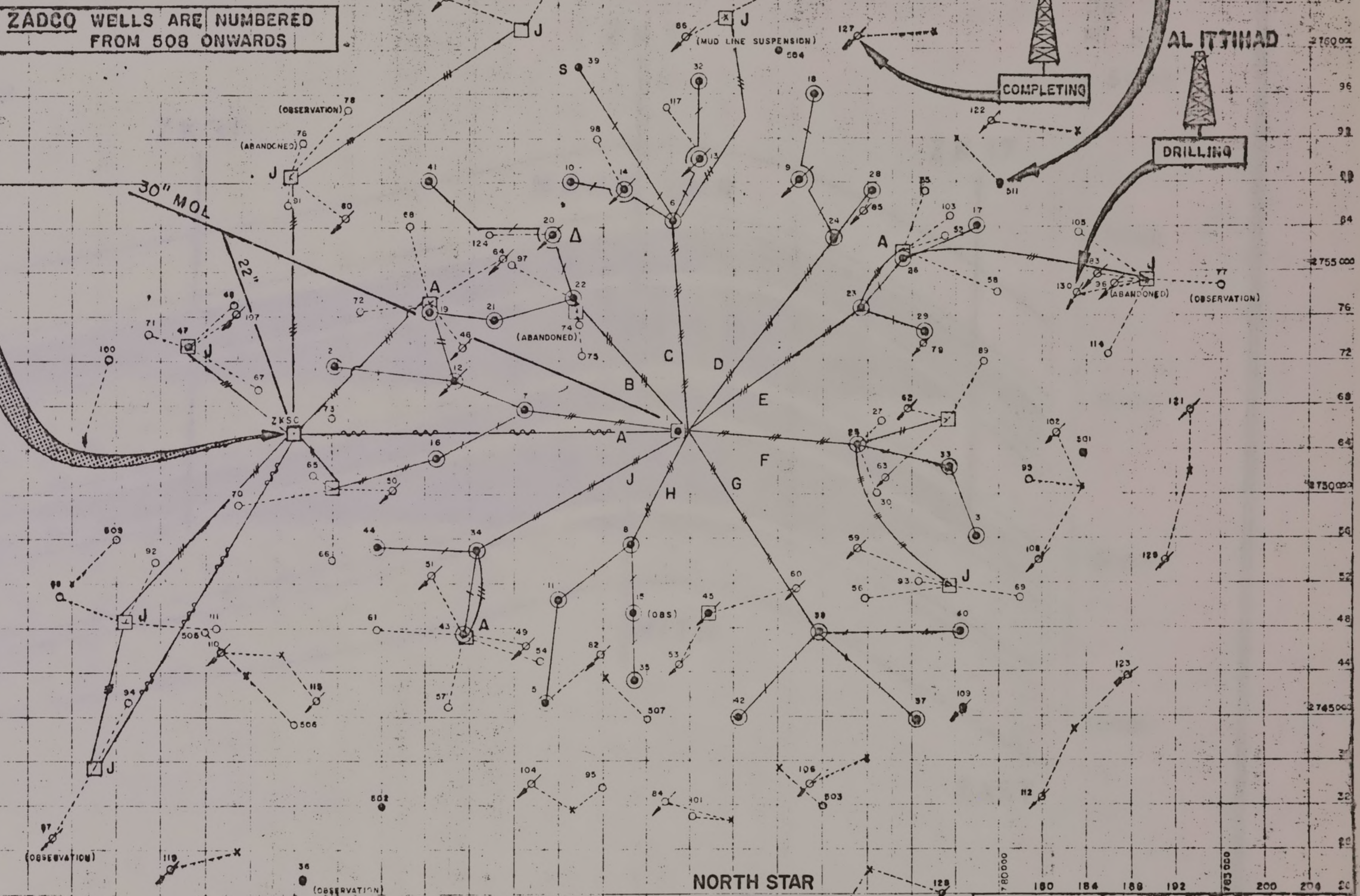
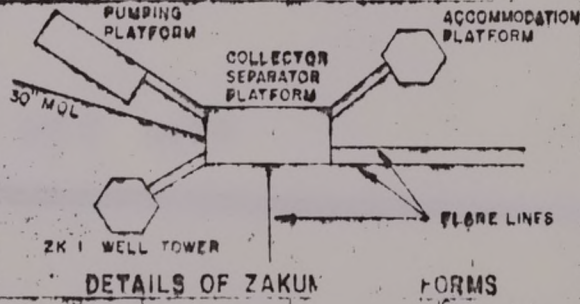
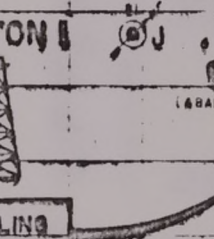
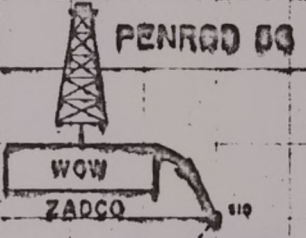
- VERTICAL WELL - PRODUCTION, WITH 3 LEG TOWER
- INJECTION
- DEVIATED WELL, BOTTOM HOLE LOCATION, PRODUCTION
- INJECTION
- APPROXIMATE PROJECTION OF DEVIATED WELL
- 1" OIL LINE, 10" OIL LINE
- 8" OIL LINE, 6" OIL LINE
- 14 OIL/WATER LINE

- MULTI WELL TOWER (INSTALLED)
- SECOND TOWER
- INDICATES INCOMPLETE TOWER
- 3 LEG MANIFOLD TOWER
- SURFACE LOCATION OF DEVIATED WELLS AWAITING TOWER
- SUB-SEA COMPLETION

ZADCO WELLS ARE NUMBERED FROM 508 ONWARDS



(CONSTRUCTION WORK OFFSHORE IN PROGRESS)



SCALE
0 1000 2000 3000 4000 METRES

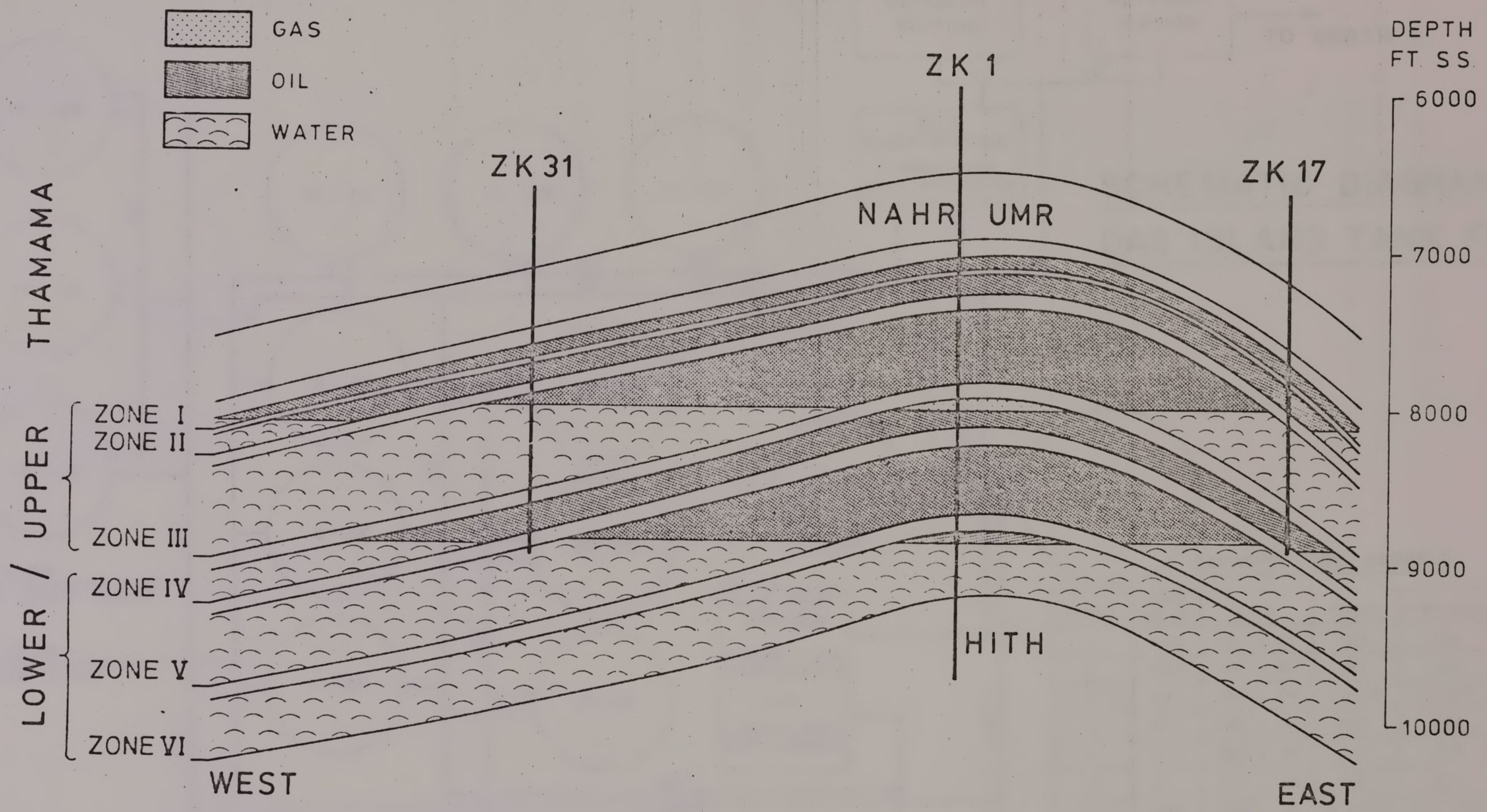
NAHRWAN DATUM

PIPELINE ROUTES ARE DIAGRAMMATIC ONLY
SOLE VENTURE WELL NUMBERS = 500 SERIES

ADMA - OPCO Abu Dhabi

ZAKUM FIELD FACILITIES AT 1ST JANUARY 1978

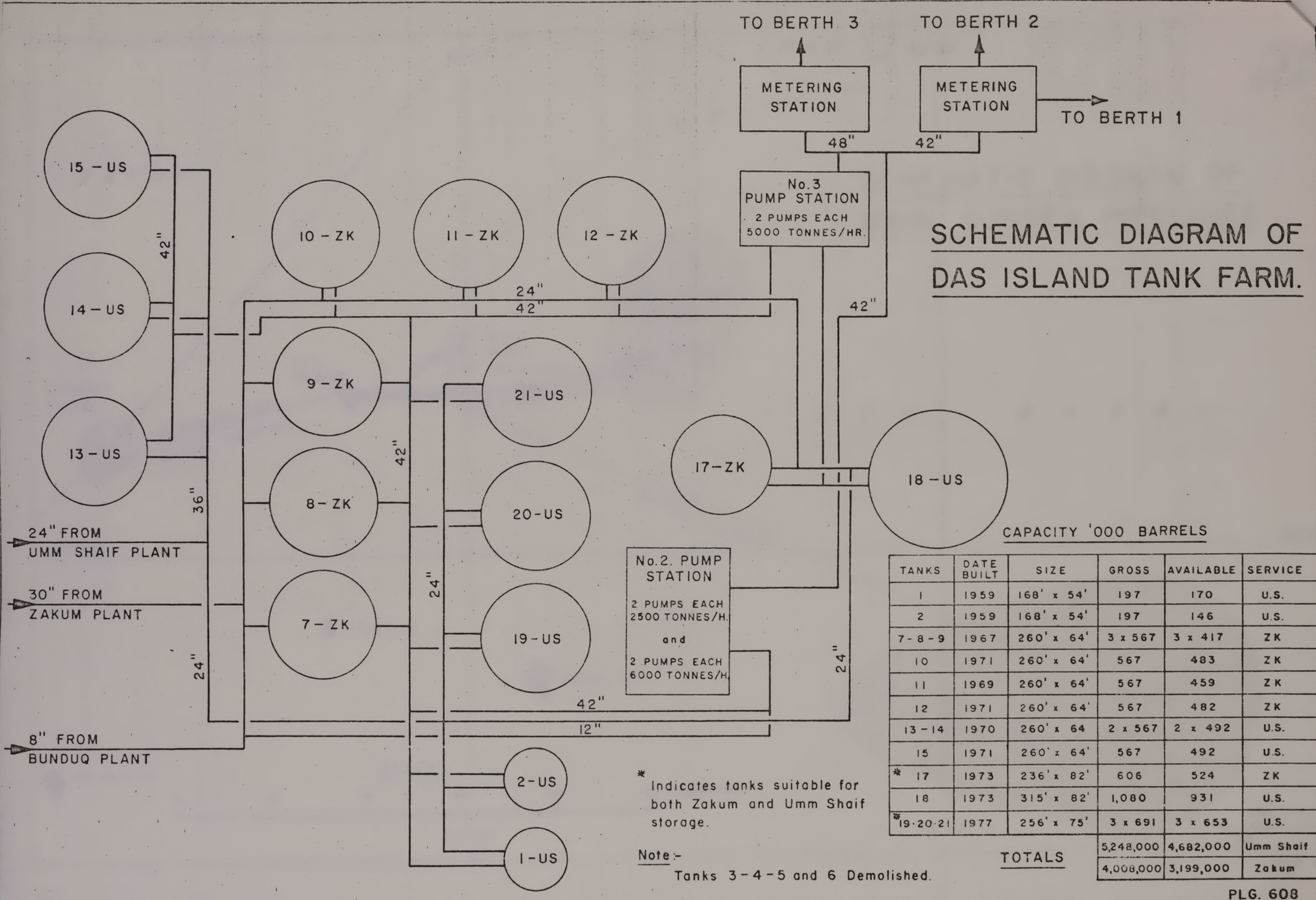
ORIG. CKCSP.	DRN. CVG.	CD	DATE	DRG. No.
			31-12-77	ZK-F-249



OCT. 1977

0 5 10 Kms

CROSS SECTION OF
ZAKUM THAMAMA RESERVOIRS



SCHEMATIC DIAGRAM OF DAS ISLAND TANK FARM.

CAPACITY '000 BARRELS

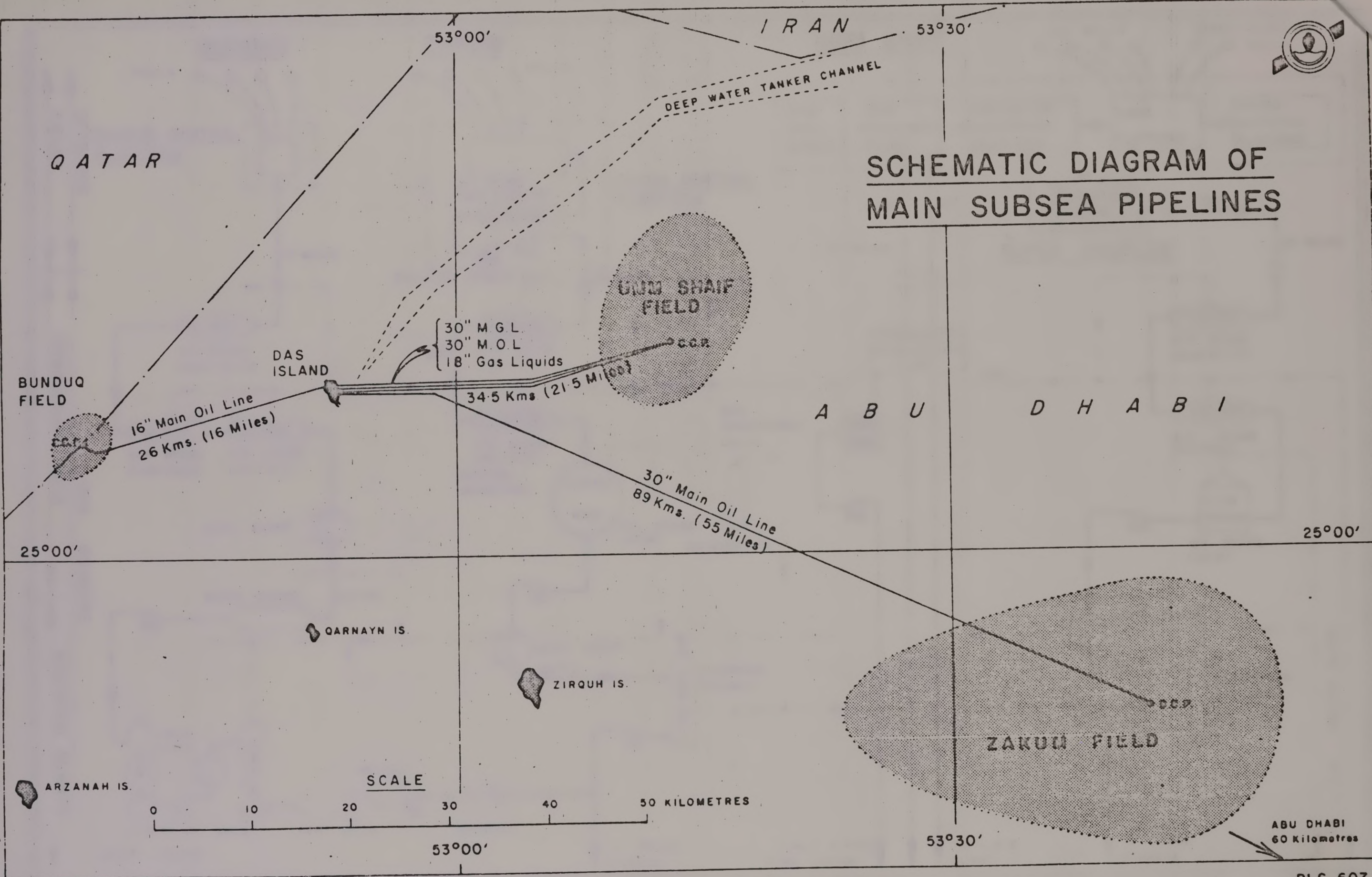
TANKS	DATE BUILT	SIZE	GROSS	AVAILABLE	SERVICE
1	1959	168' x 54'	197	170	U.S.
2	1959	168' x 54'	197	146	U.S.
7-8-9	1967	260' x 64'	3 x 567	3 x 417	ZK
10	1971	260' x 64'	567	483	ZK
11	1969	260' x 64'	567	459	ZK
12	1971	260' x 64'	567	482	ZK
13-14	1970	260' x 64'	2 x 567	2 x 492	U.S.
15	1971	260' x 64'	567	492	U.S.
* 17	1973	236' x 82'	606	524	ZK
18	1973	315' x 82'	1,080	931	U.S.
* 19-20-21	1977	256' x 75'	3 x 691	3 x 653	U.S.
TOTALS			5,248,000	4,682,000	Umm Shaif
			4,008,000	3,199,000	Zakum

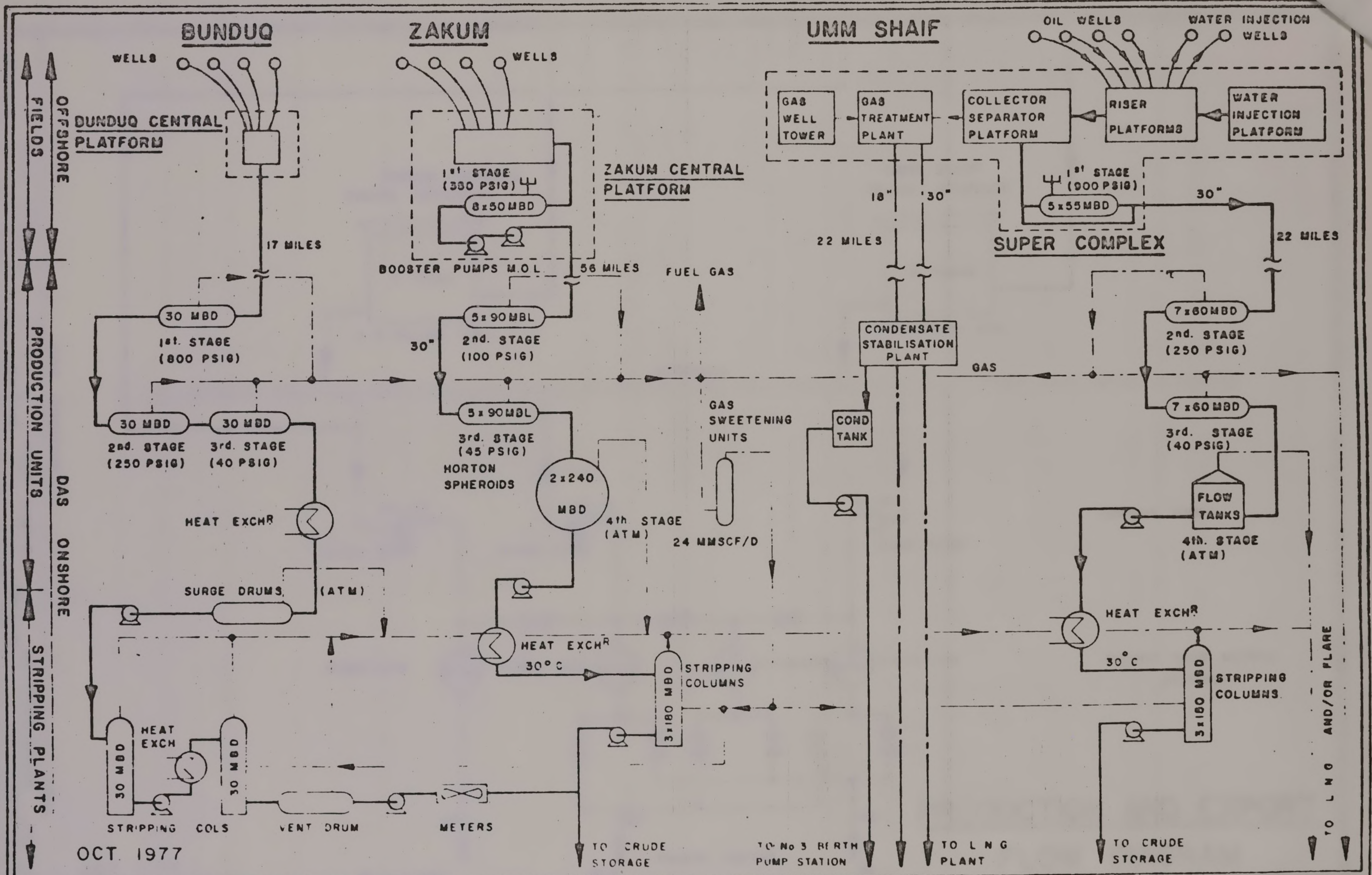
* Indicates tanks suitable for both Zakum and Umm Shaif storage.

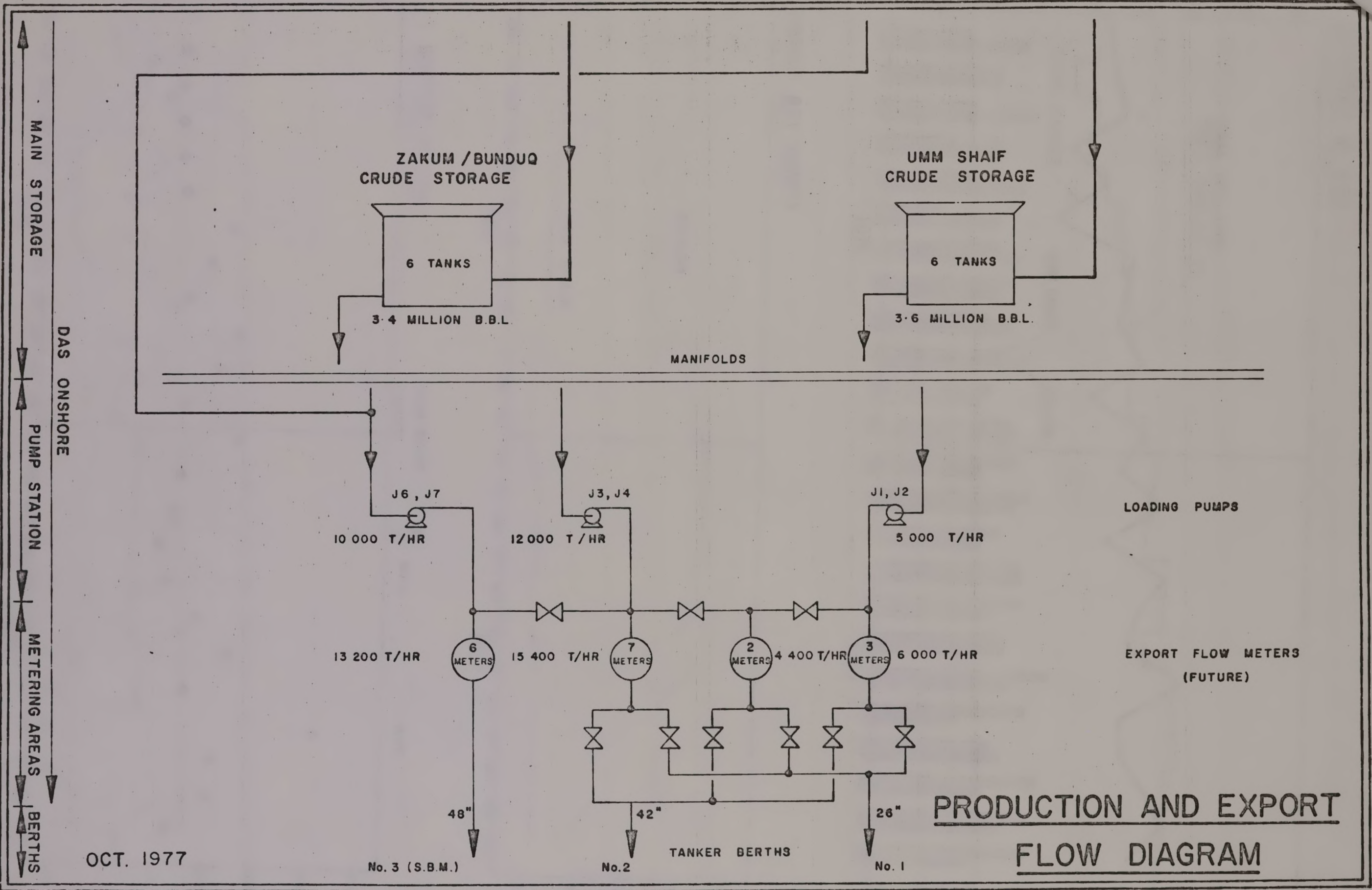
Note:-
Tanks 3-4-5 and 6 Demolished.



SCHEMATIC DIAGRAM OF MAIN SUBSEA PIPELINES







ZAKUM / BUNDUQ
CRUDE STORAGE

UMM SHAIF
CRUDE STORAGE

6 TANKS

6 TANKS

3.4 MILLION B.B.L.

3.6 MILLION B.B.L.

MANIFOLDS

J6, J7

J3, J4

J1, J2

10 000 T/HR

12 000 T/HR

5 000 T/HR

LOADING PUMPS

13 200 T/HR

15 400 T/HR

4 400 T/HR

6 000 T/HR

EXPORT FLOW METERS
(FUTURE)

48"

42"

26"

TANKER BERTHS

No. 3 (S.B.M.)

No. 2

No. 1

**PRODUCTION AND EXPORT
FLOW DIAGRAM**

OCT. 1977

MAIN STORAGE

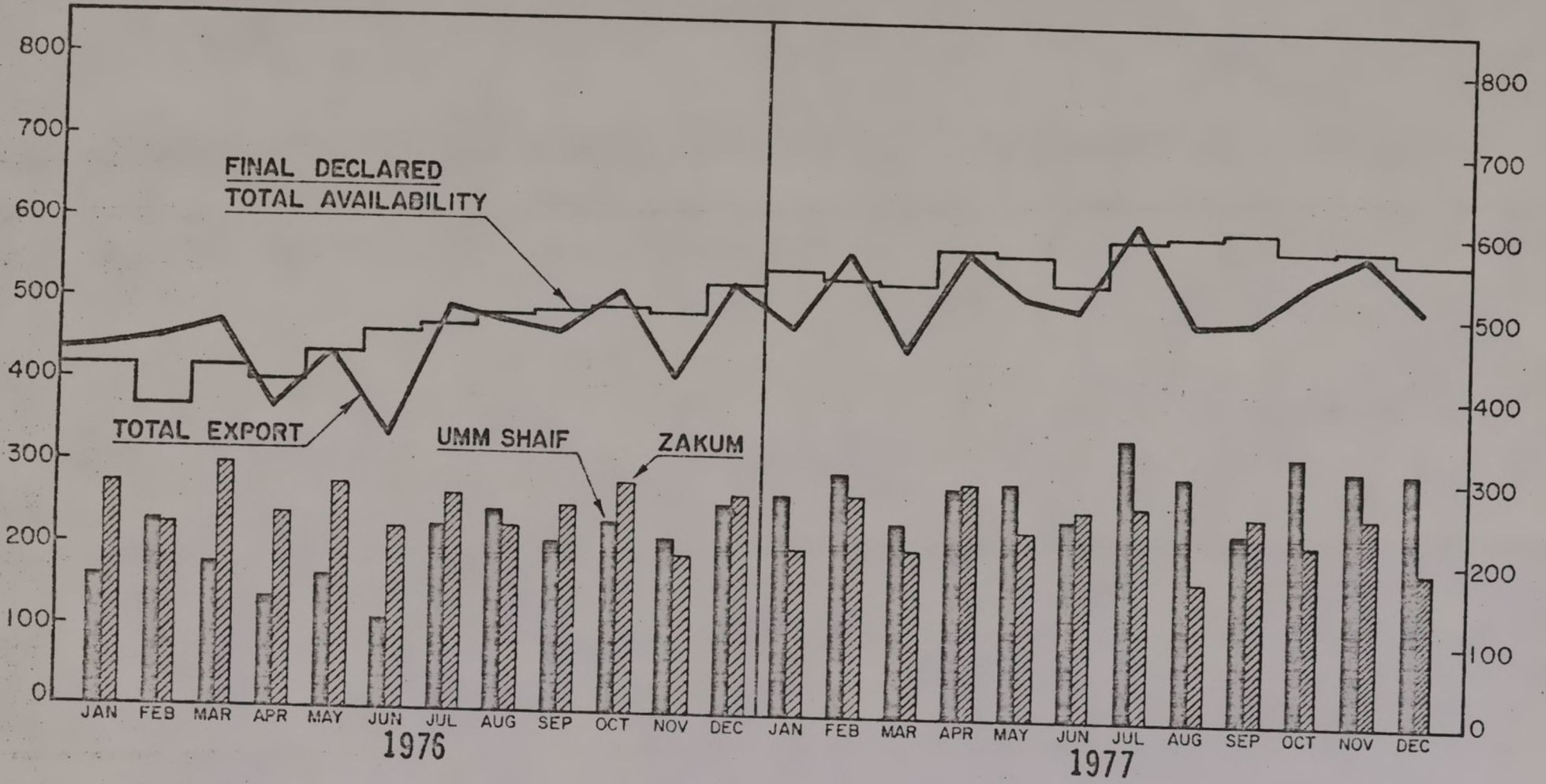
DAS ONSHORE

PUMP STATION

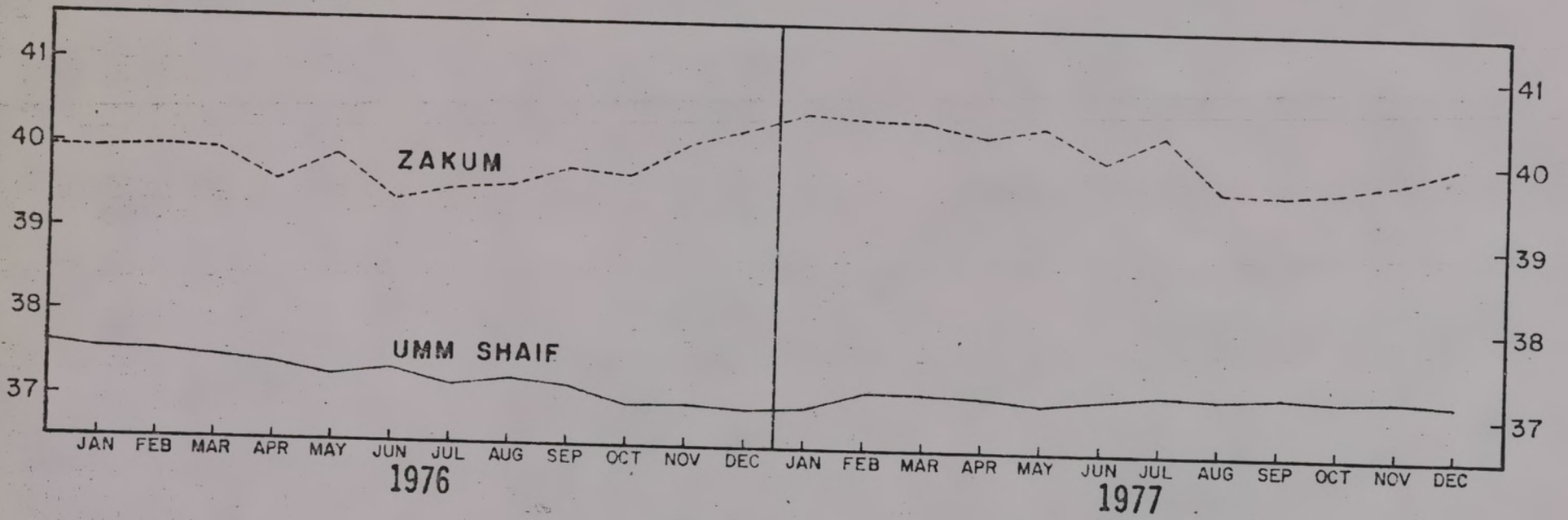
METERING AREAS

BERTHS

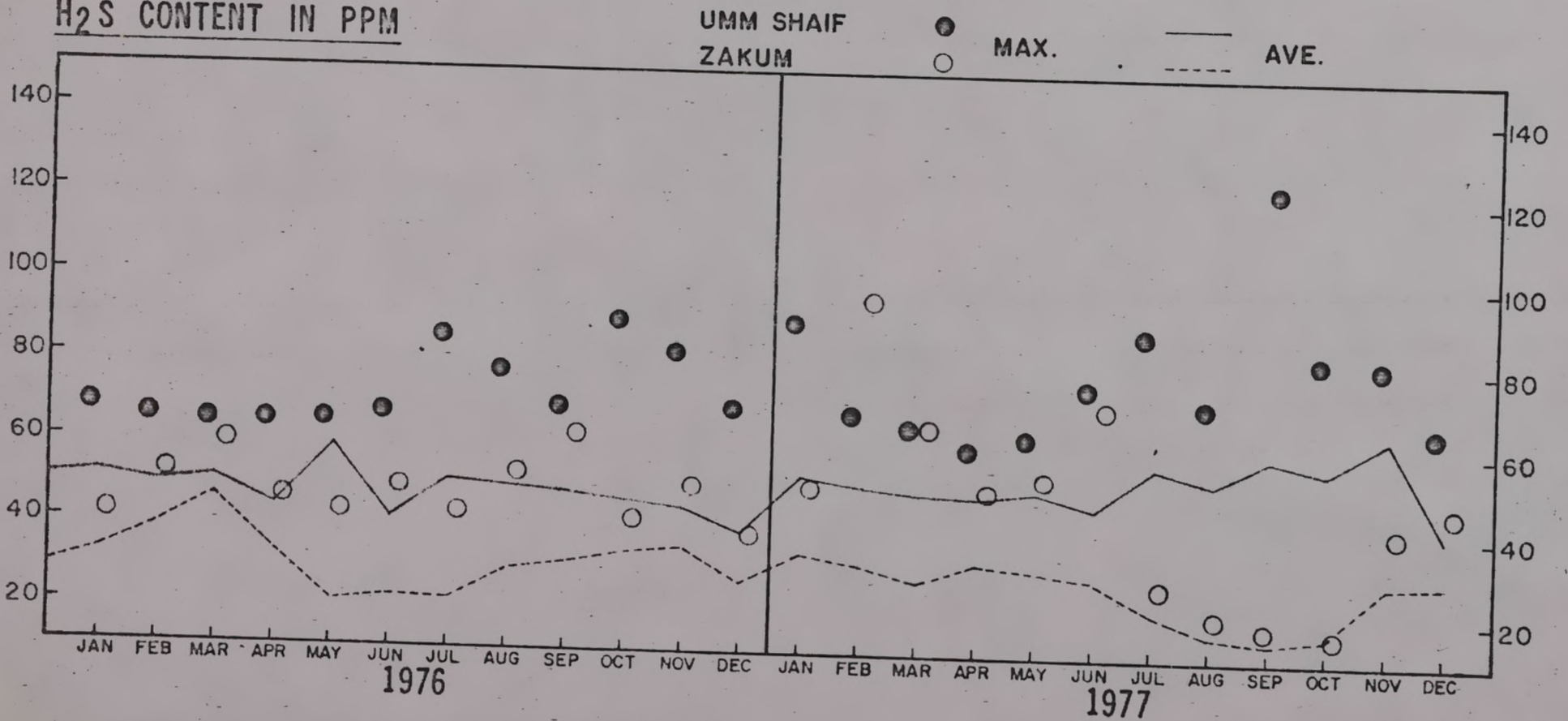
QUANTITIES IN MBD



AVERAGE API GRAVITY

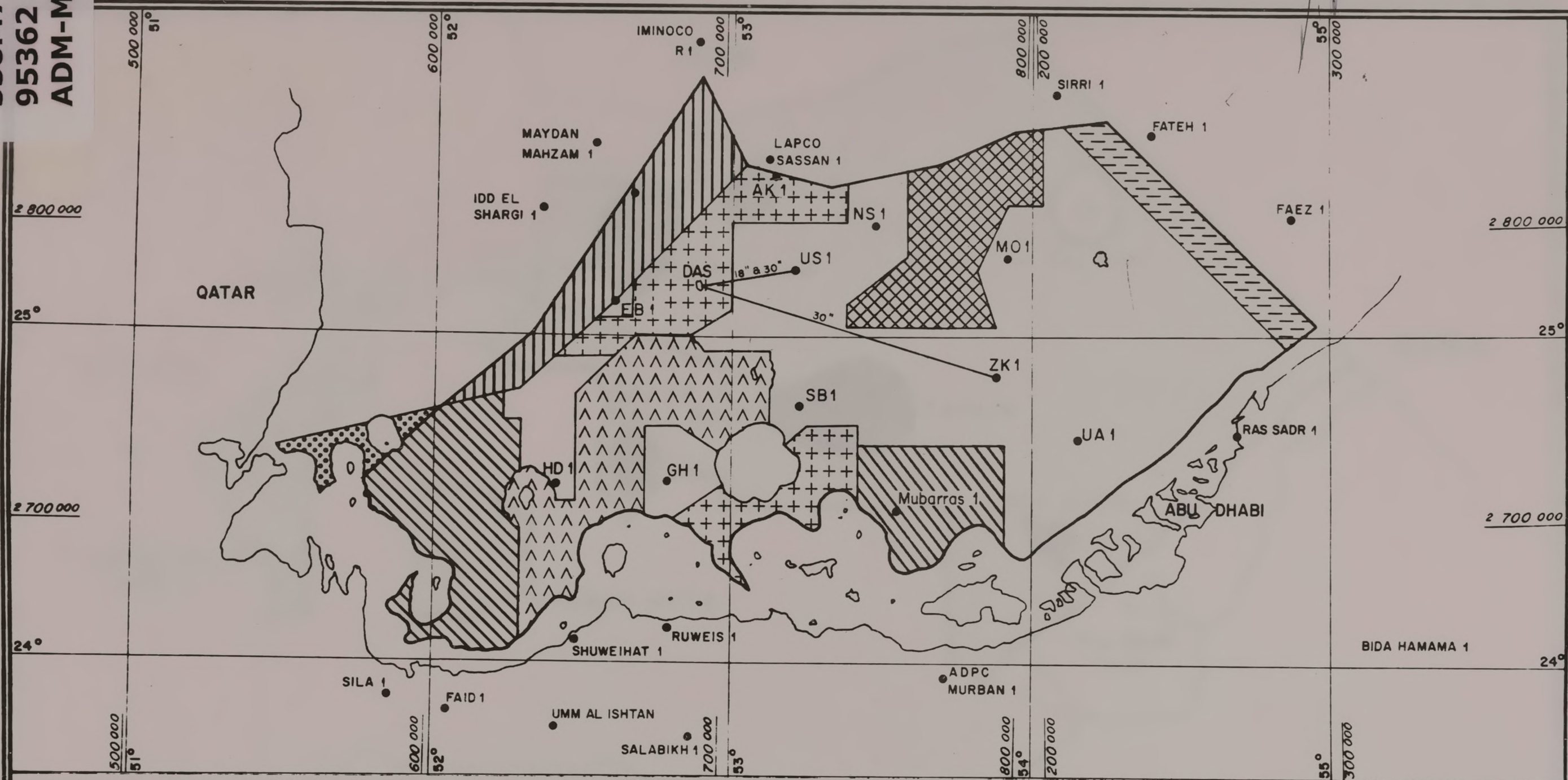



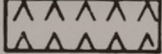
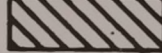
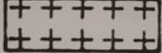
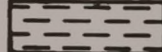


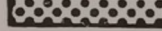
H₂S CONTENT IN PPM



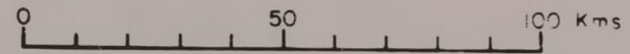
UAEA
 338.4766550
 95362
 ADM-MAN

961



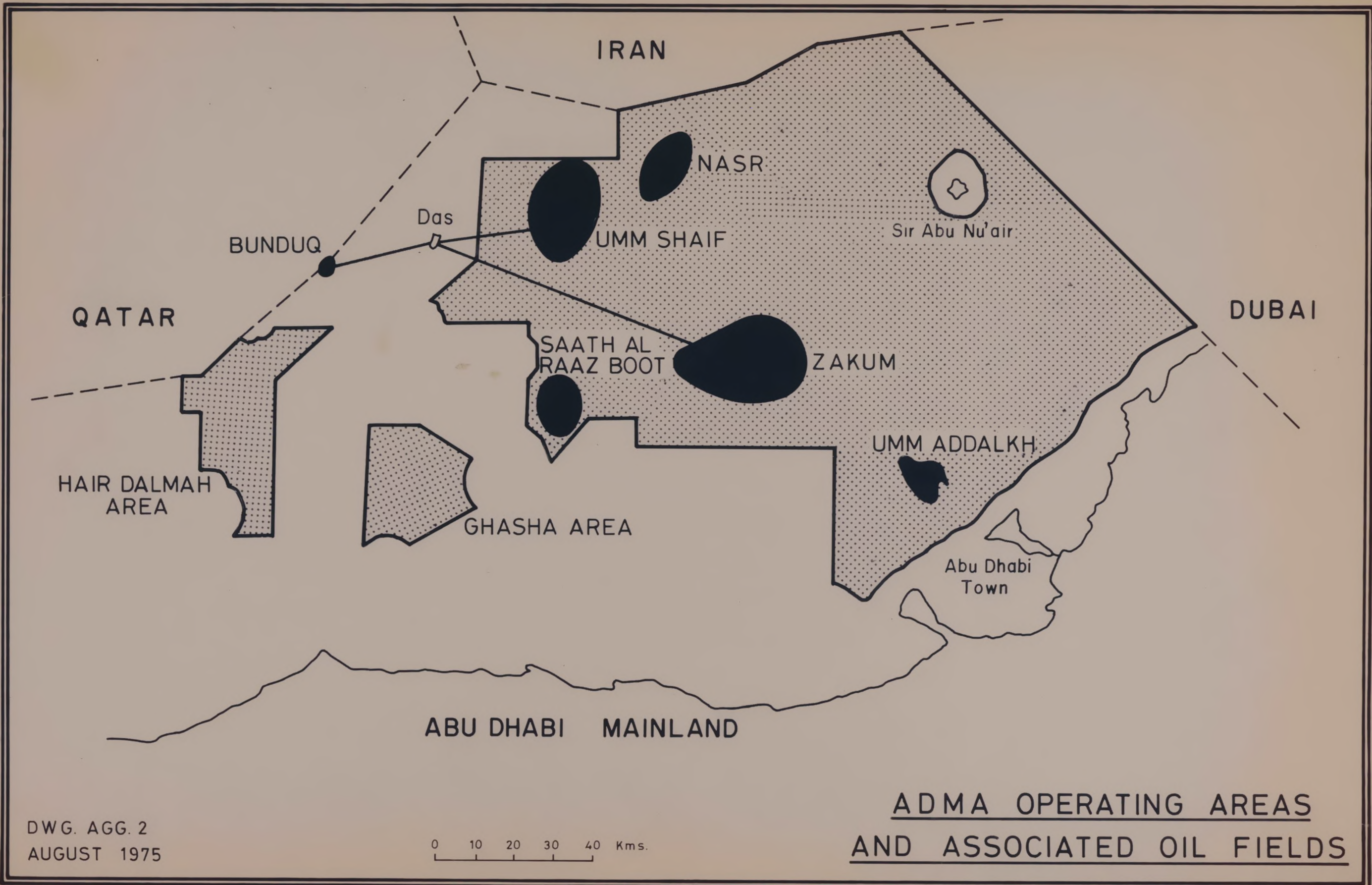
- | | | | |
|---|---|---|---------------------------|
|  | ADMA ORIGINAL CONCESSION AREA |  | AREA RELINQUISHED IN 1969 |
|  | AREA RELINQUISHED IN 1966 |  | AREA RELINQUISHED IN 1972 |
|  | AREA LOST BY AGREEMENT WITH DUBAI IN 1968 |  | AREA RELINQUISHED IN 1975 |
|  | AREA LOST | | |
|  | AREA GAINED | | |
| } BY AGREEMENT WITH QATAR IN 1969 | | | |

APRIL 1976



ADMA CONCESSION AREA

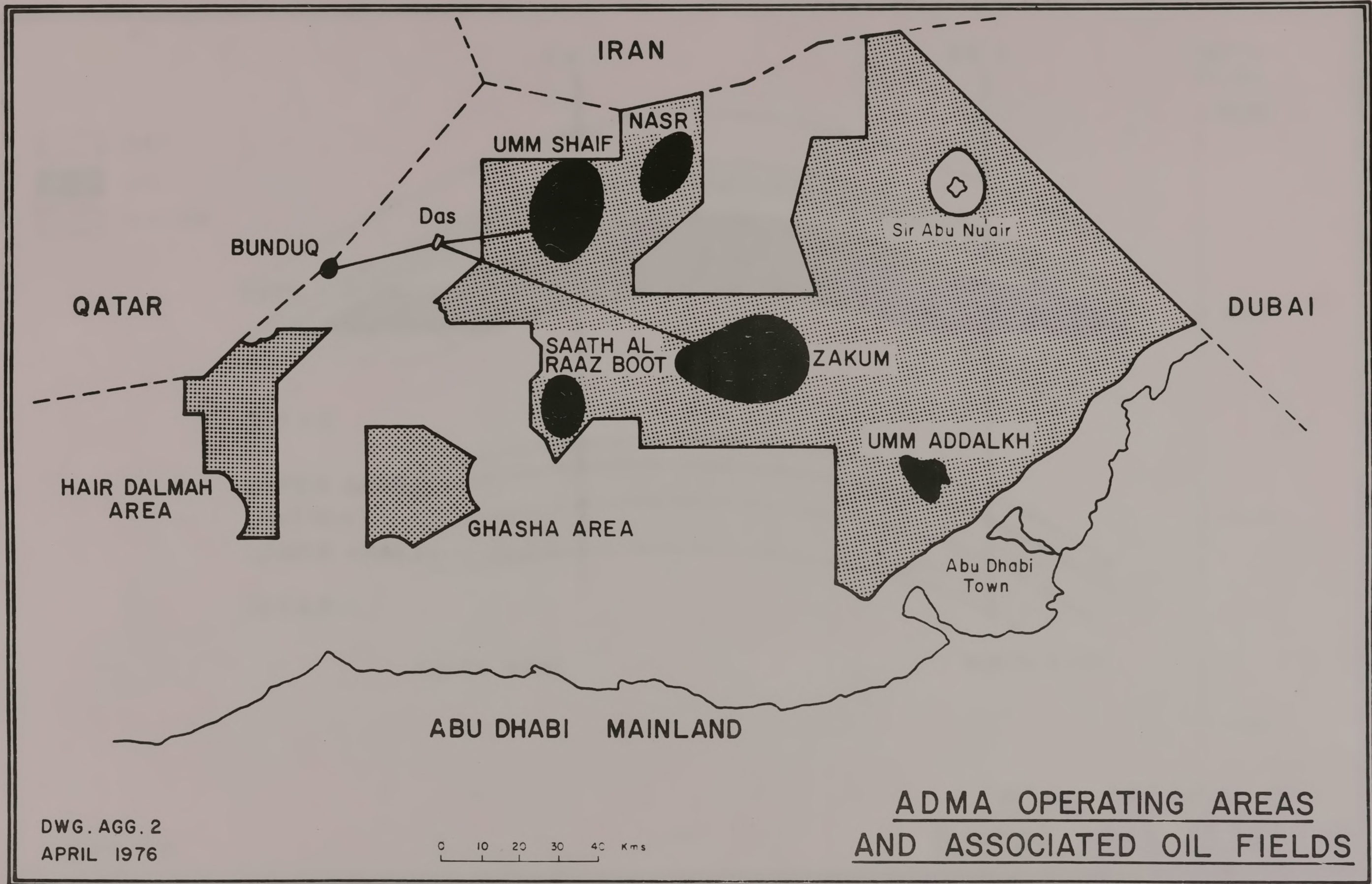
61568563



DWG. AGG. 2
 AUGUST 1975

0 10 20 30 40 Kms.

ADMA OPERATING AREAS
AND ASSOCIATED OIL FIELDS

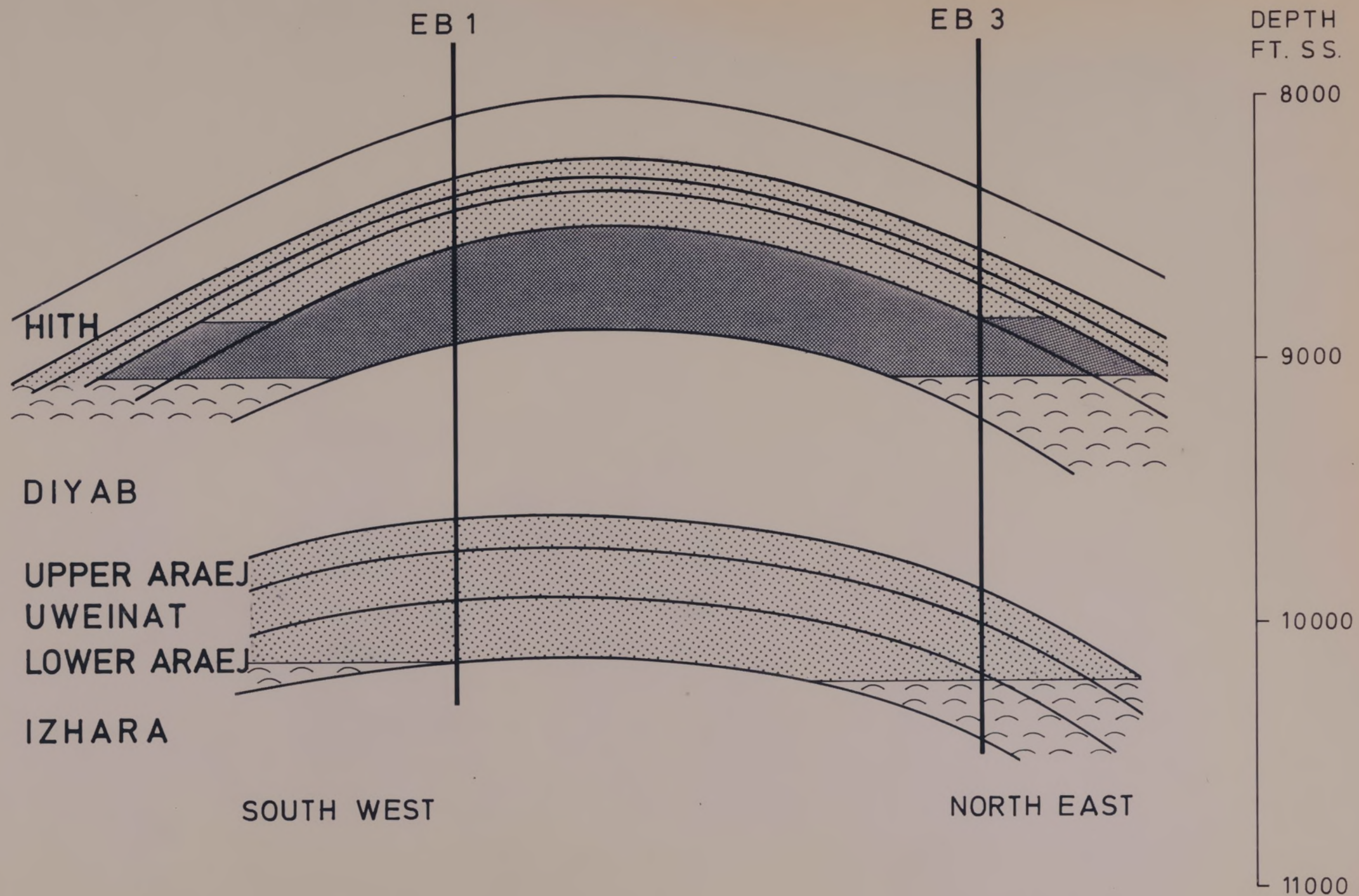


DWG. AGG. 2
APRIL 1976

0 10 20 30 40 Kms

ADMA OPERATING AREAS
AND ASSOCIATED OIL FIELDS

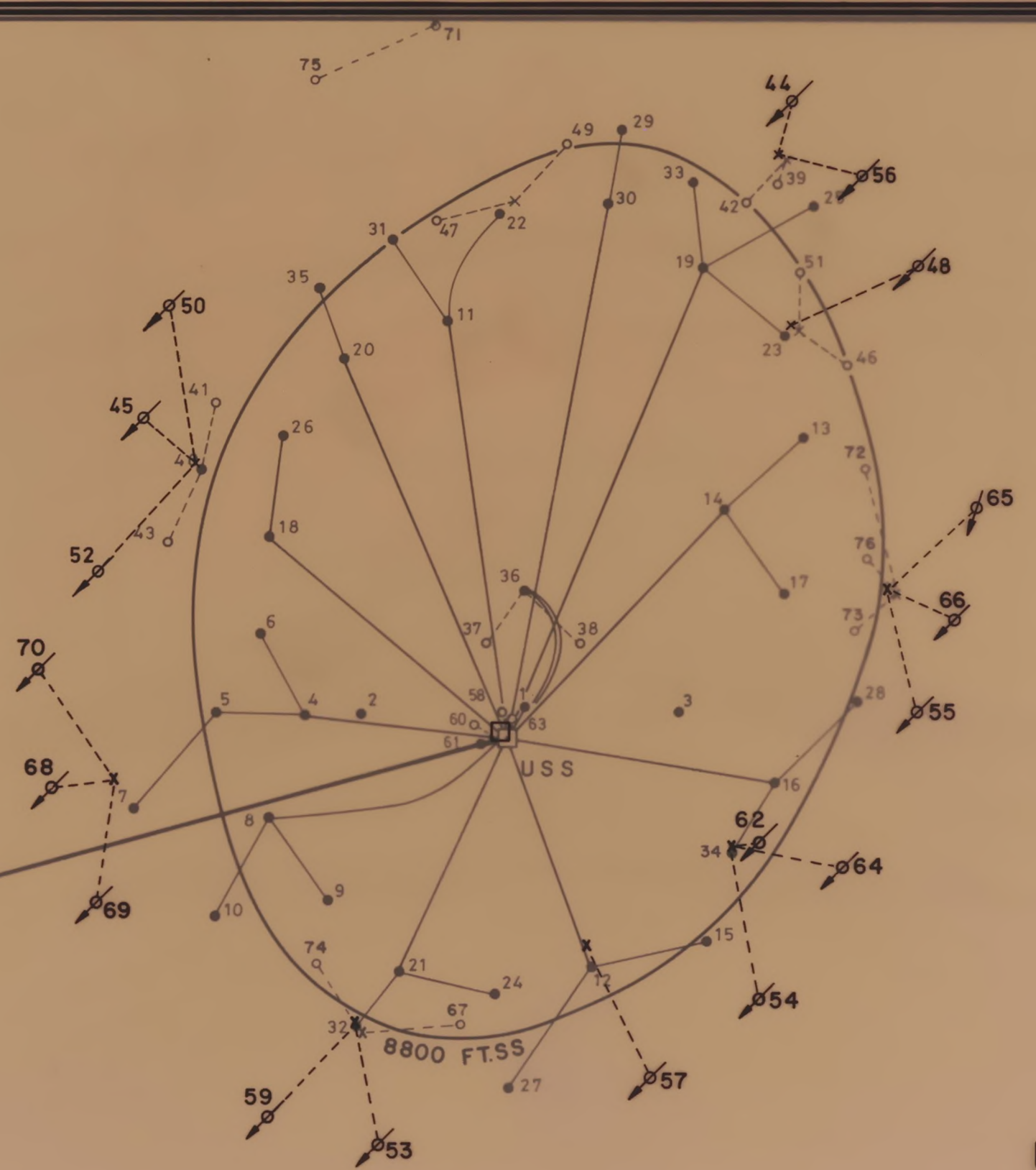
-  GAS
-  OIL
-  WATER



CROSS SECTION OF
BUNDUQ ARAB RESERVOIR

AUGUST 1975

0 1 2 Kms.



(FOR DETAIL OF SUPERCOMPLEX
SEE PAGE 5)

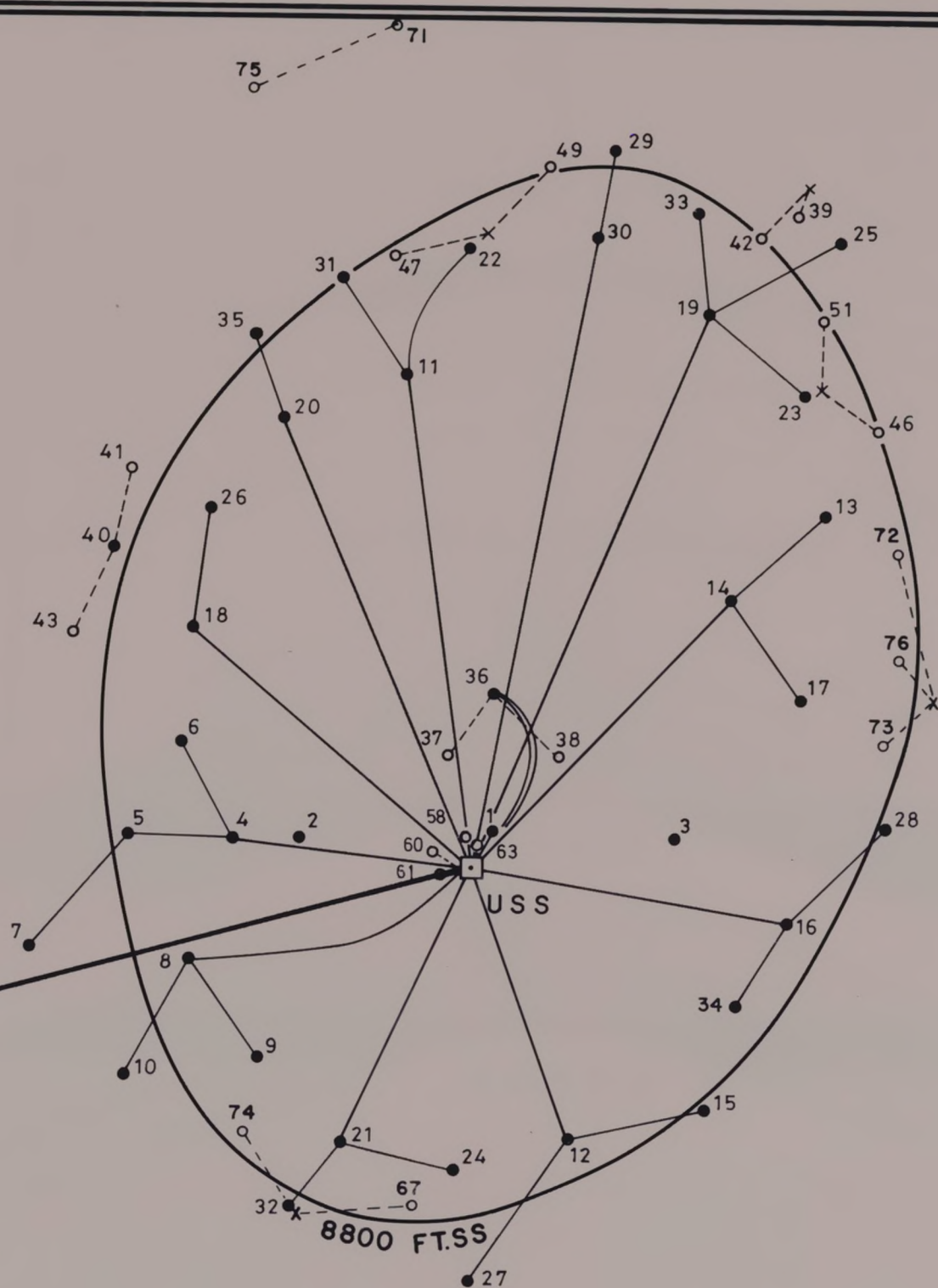
TO DAS
30" OIL
30" GAS
18" GAS LIQUIDS

U S S SUPERCOMPLEX

APRIL 1976

0 5 Kms

UMM SHAI F FIELD
WATER INJECTION WELLS

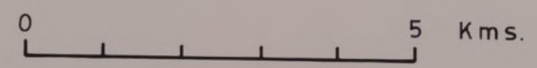


(FOR DETAIL OF SUPERCOMPLEX
SEE PAGE 5)

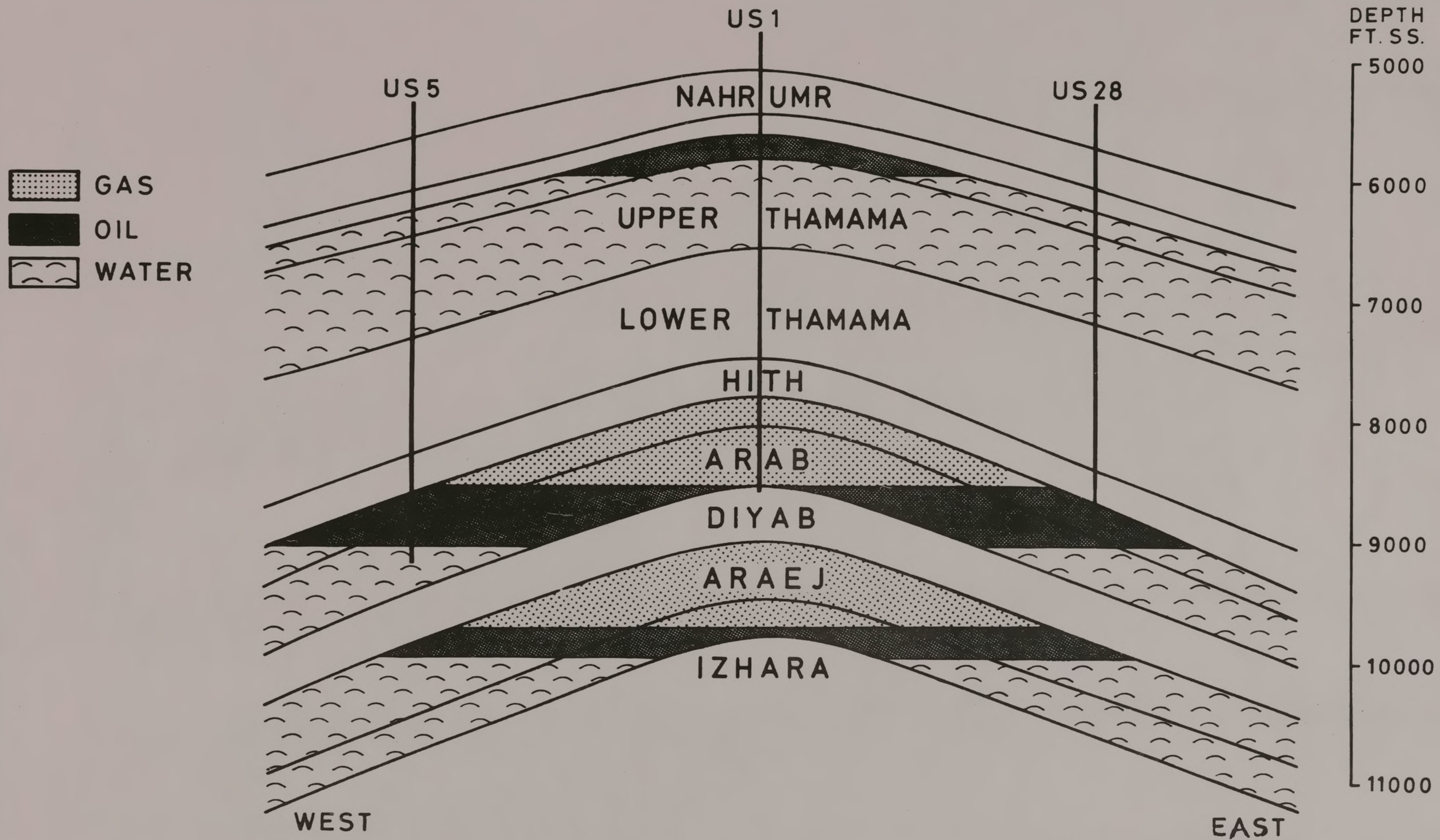
TO DAS
30" OIL
30" GAS
18" GAS LIQUIDS

U S S SUPERCOMPLEX

APRIL 1976



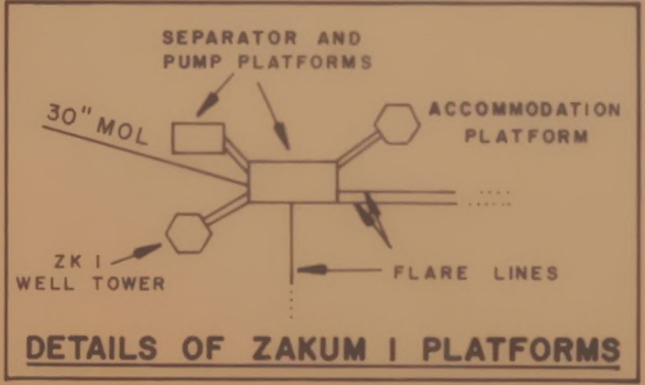
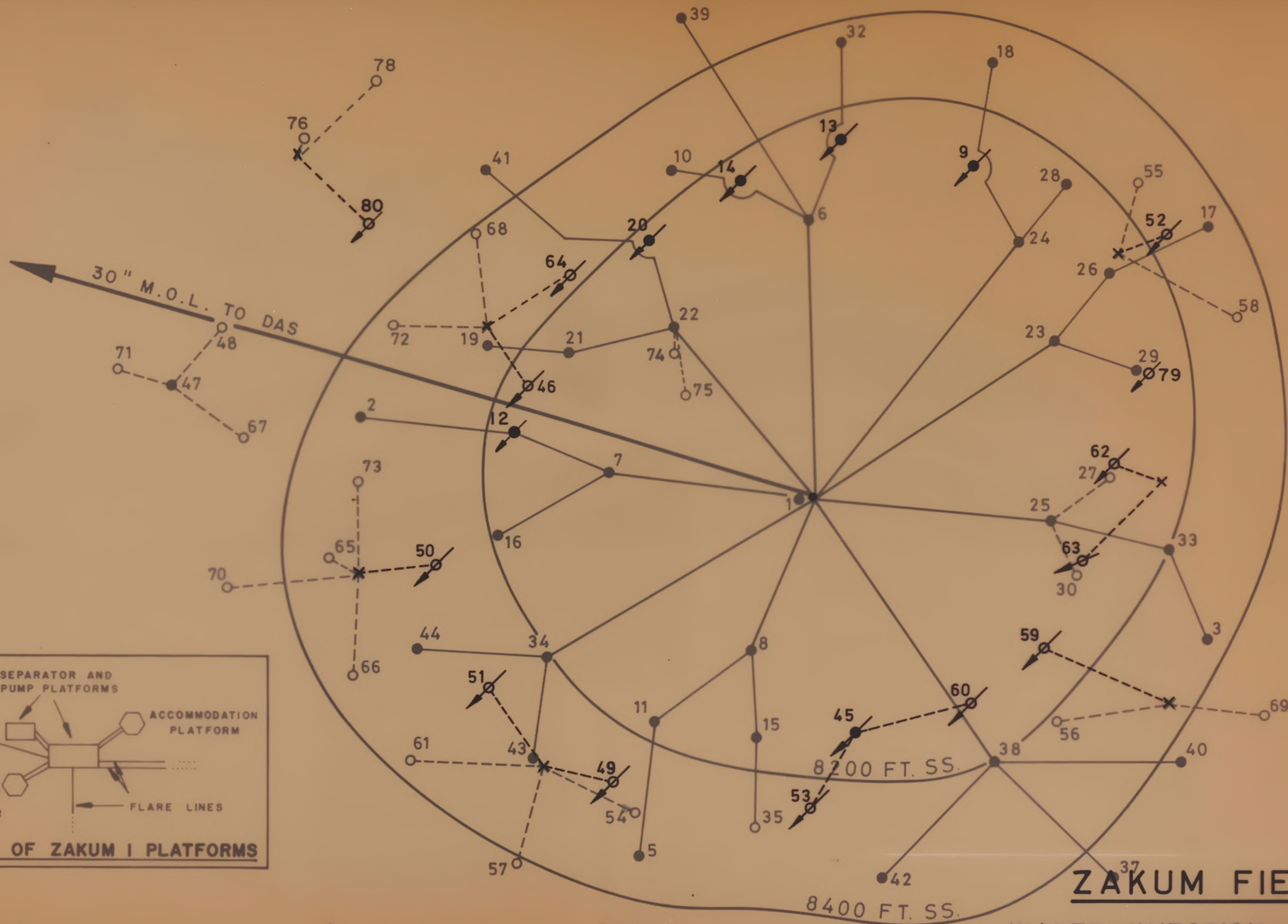
UMM SHAI F FIELD



CROSS SECTION OF
UMM SHAI F RESERVOIRS

AUGUST 1975

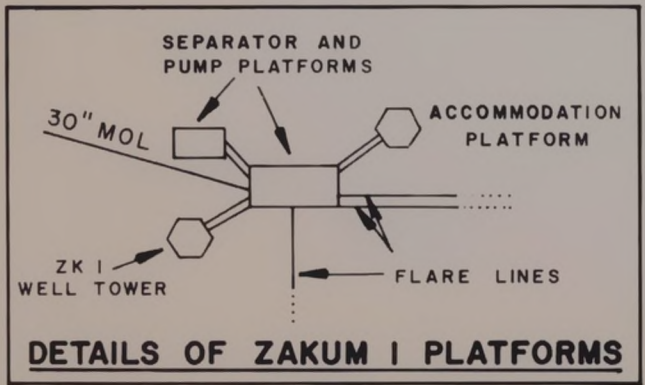
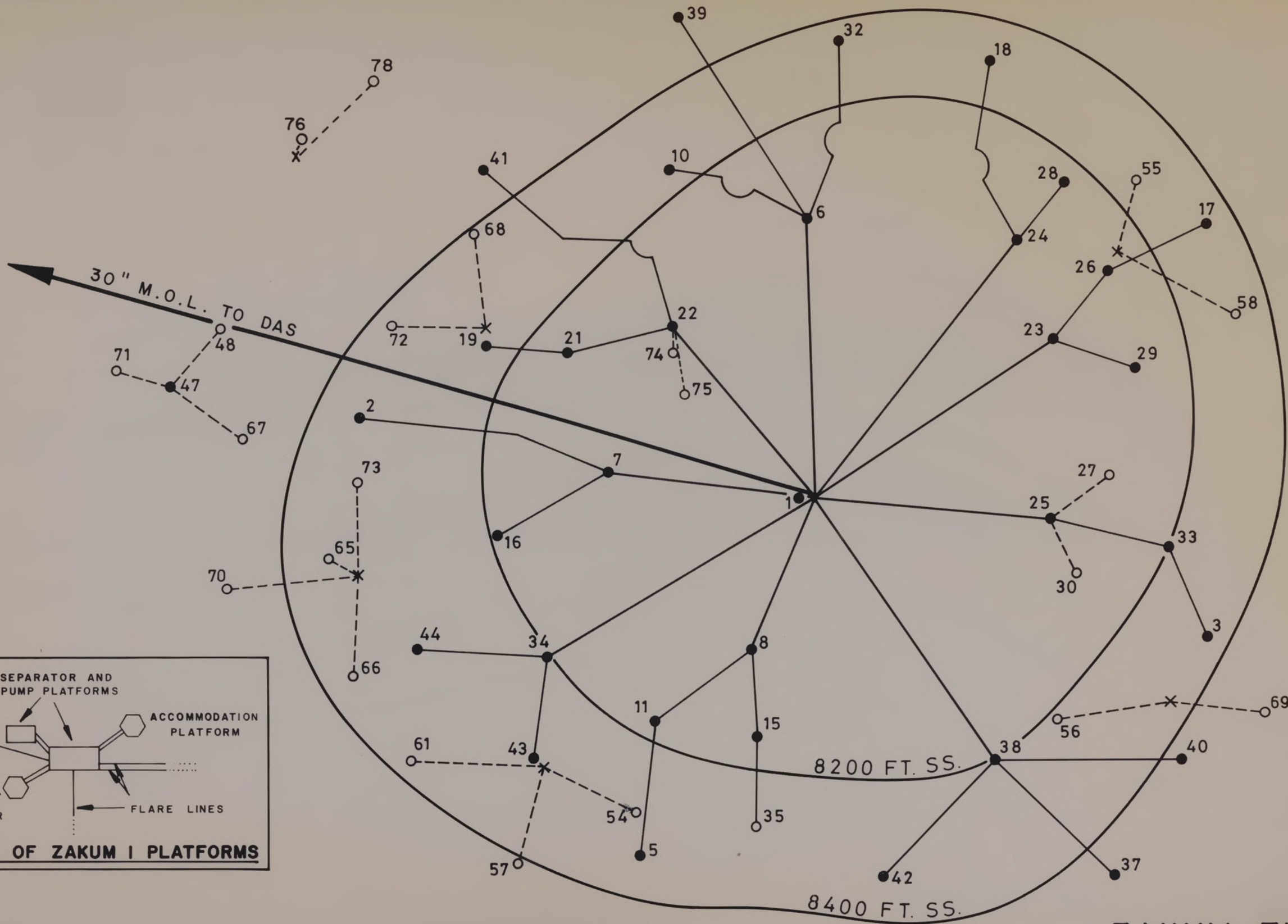
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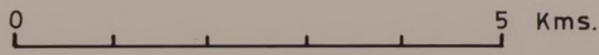
APRIL 1976



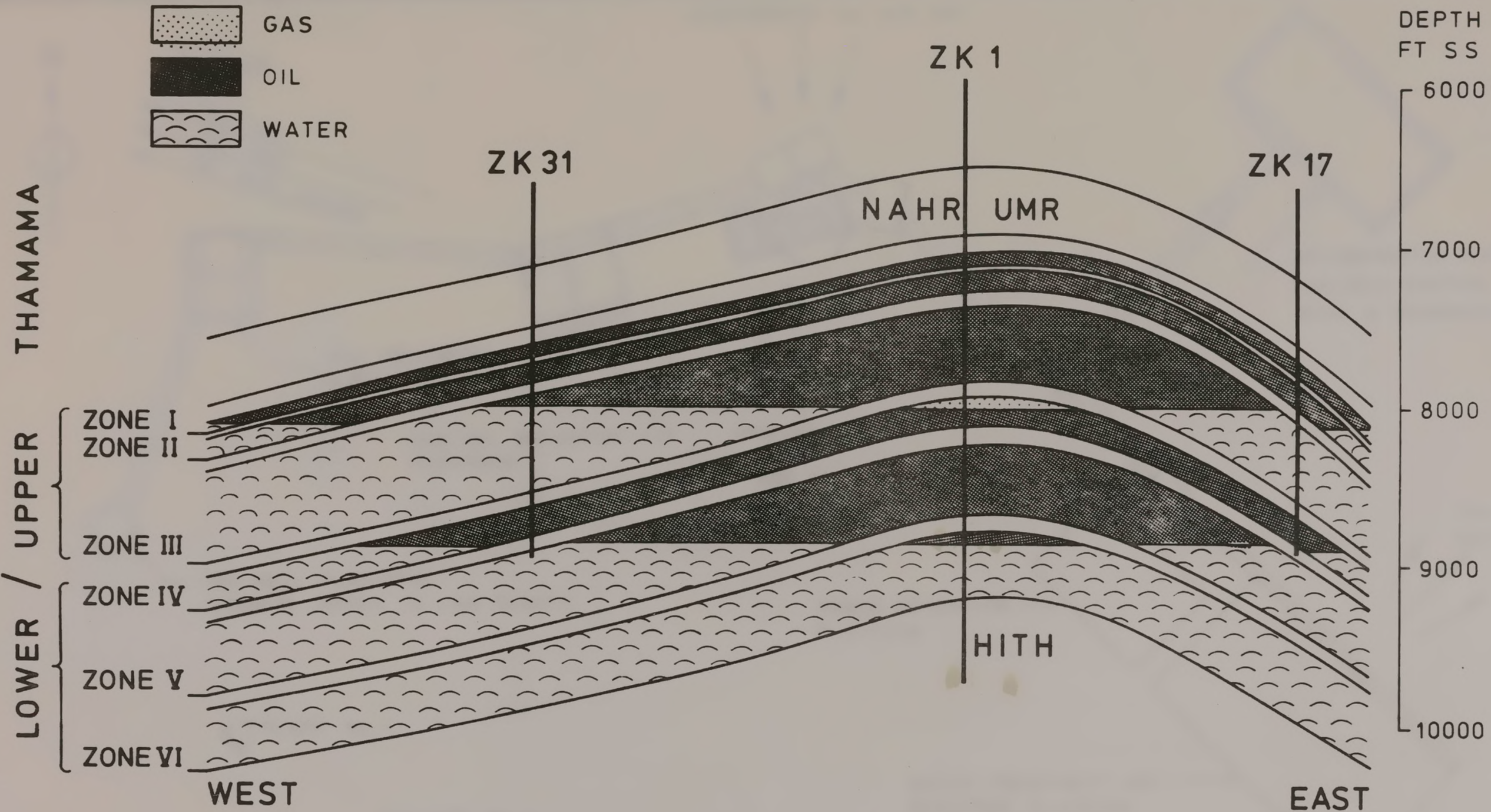
ZAKUM FIELD
WATER INJECTION WELLS



APRIL 1976



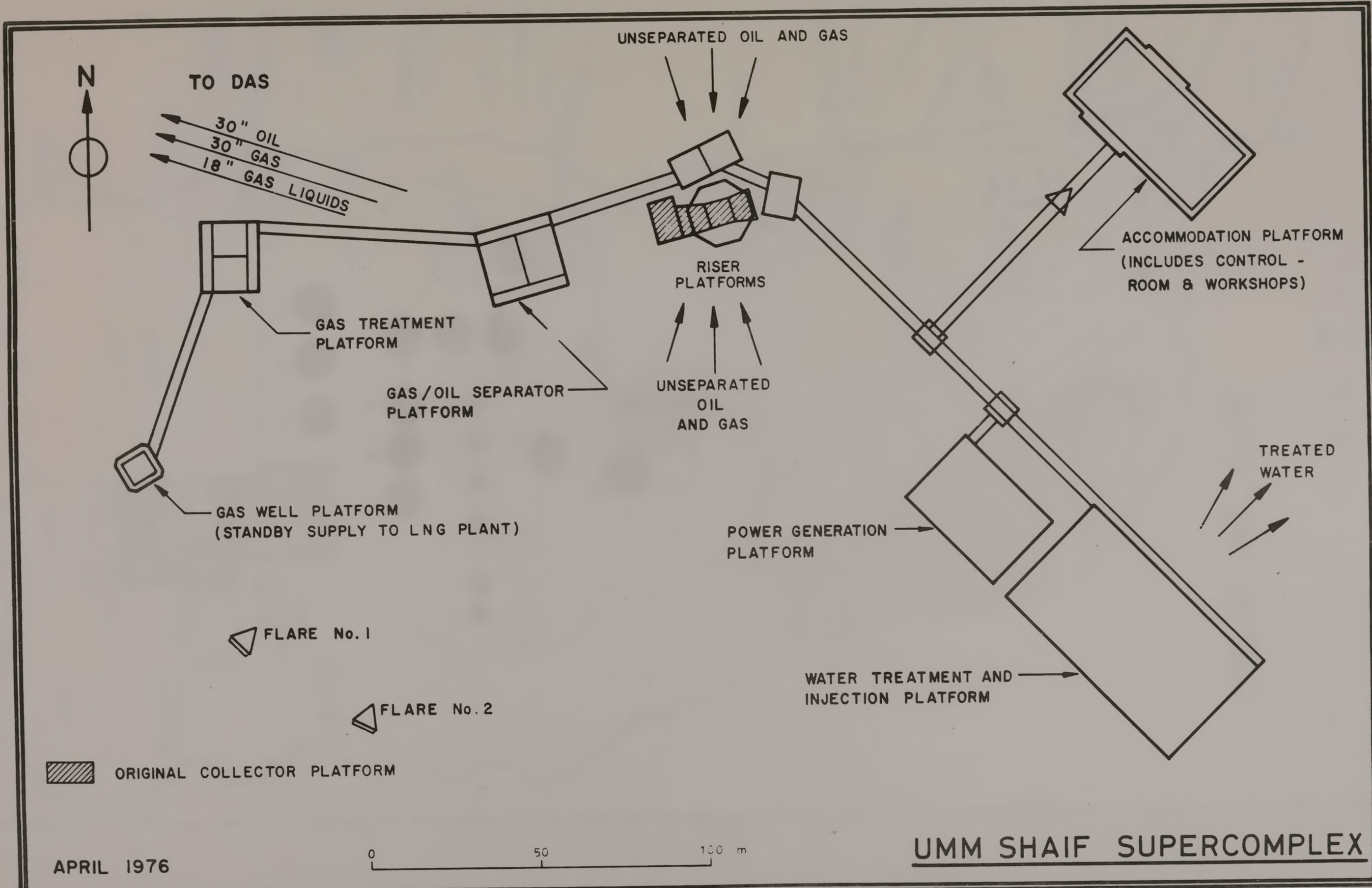
ZAKUM FIELD



APRIL 1976



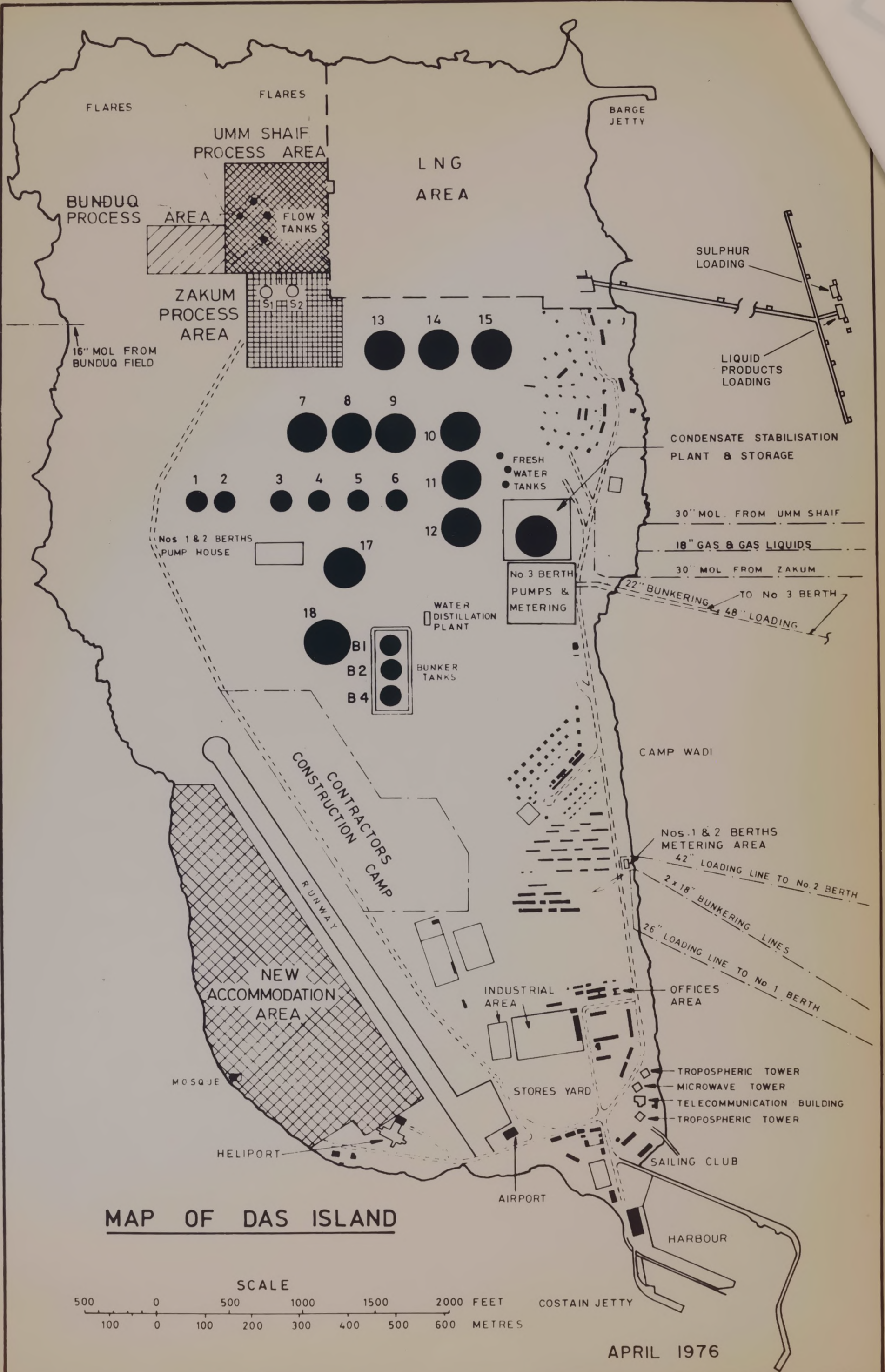
CROSS SECTION OF
ZAKUM THAMAMA RESERVOIRS



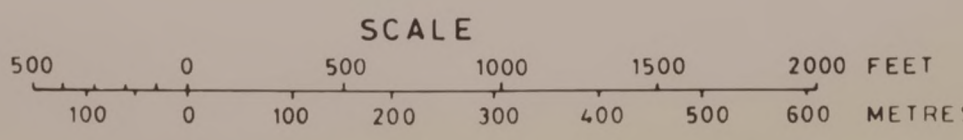
APRIL 1976

0 50 100 m

UMM SHAI F SUPERCOMPLEX



MAP OF DAS ISLAND



APRIL 1976

FLARES

FLARES

BARGE JETTY

UMM SHAI F
PROCESS AREA

LNG
AREA

BUNDUQ
PROCESS AREA

AREA

FLOW
TANKS

SULPHUR
LOADING

ZAKUM
PROCESS AREA

S1 S2

13 14 15

LIQUID
PRODUCTS
LOADING

16" MOL FROM
BUNDUQ FIELD

7 8 9

CONDENSATE STABILISATION
PLANT & STORAGE

1 2 3 4 5 6

FRESH
WATER
TANKS

30" MOL FROM UMM SHAI F

Nos 1 & 2 BERTHS
PUMP HOUSE

17

18" GAS & GAS LIQUIDS

WATER
DISTILLATION
PLANT

No 3 BERTH
PUMPS &
METERING

30" MOL FROM ZAKUM

18

B1
B2
B4

BUNKER
TANKS

22" BUNKERING TO No 3 BERTH
48" LOADING

CAMP WADI

CONTRACTORS CAMP
RUNWAY

Nos. 1 & 2 BERTHS
METERING AREA

42" LOADING LINE TO No 2 BERTH
2 x 18" BUNKERING LINES

NEW
ACCOMMODATION
AREA

INDUSTRIAL
AREA

OFFICES
AREA

TROPOSPHERIC TOWER
MICROWAVE TOWER
TELECOMMUNICATION BUILDING
TROPOSPHERIC TOWER

MOSQUE

STORES YARD

HELIPORT

SAILING CLUB

AIRPORT

HARBOUR

COSTAIN JETTY