DATE 1-28-87

TO: OPS-3-4

FROM: FO-2-1

Unit ~~Plan of Exploration~~/DOCD ~~and Environmental Report~~

Lease(s) OCS-G1312+OCS0374 Control No. U-474

Chevron U.S.A. Inc.
935 Gravier Street, New Orleans, LA 70112

January 12, 1987

Annual Plan of Development
Main Pass Block 40 Field Unit
Agreement No. 14-08-001-3847

Minerals Management Service
Gulf of Mexico Region
1201 Wholesalers Parkway
New Orleans, LA 70123-2394

Attention Mr. Louis E. McBee

Gentlemen:

Pursuant to the provision of the Main Pass Block 40 Field Unit, Agreement No. 14-08-001-3847, Chevron U.S.A. Inc. hereby submits for approval the Annual Plan of Development for the unit year commencing February 18, 1987 and ending February 17, 1988.

Summary of Preceding Unit Year

Wells Drilled

Lease	Well No.
OCS-G 1452	K-15

Wells Worked Over

OCS-G 0374	JA #27
OCS-G 0374	JA #6
OCS-G 0374	CC #25
OCS-G 0374	(OA) #3
OCS-G 0374	C-8
OCS-G 1452	K-13
OCS-G 0375	E-8
OCS-G 0375	E-9
OCS-G 1372	F-14
OCS-G 1452	KB-5
OCS-G 0375	HA-23D

Platforms Installed

No structures or caissons were added in the Unit Area during 1986.

17I13/2010

Proposed Activities - Current Unit Year

We desire to carry over the drilling of and the associated work for proposed Wells OCS-G 1372 #F-15 and OCS-G 1295 #9. Well #F-15 was proposed in last year's Annual Plan of Development, approved by the MMS on May 5, 1986. Well #9 was previously approved on the 1985-86 Annual Plan of Development and carried over on the plan submitted for the 1986-87 unit year.

As previously proposed, Well OCS-G 1372 #F-15 will be drilled adjacent to the "F" Platform with its conductor pipe strapped to the structure. Well OCS-G 1295 #9, if successfully drilled, will require the installation of a single well caisson, as previously proposed.

The following new wells are proposed for drilling during the 1987-88 unit year.

Well Name: OCS-G 1312 #6

Surface Location:	4375' FEL and 550' FNL of Main Pass Block 127
Water Depth:	55'
Bottom Hole Location:	Straight Hole
Total Depth:	-7050' SS
Objective:	6900' Sand
Estimated Life of Reserves:	13 years

Well Name: OCS-G 0374 #38

Surface Location:	1400' FEL and 5400' FNL of Main Pass Block 41
Water Depth:	51'
Bottom Hole Location:	Straight Hole
Total Depth:	-6500' SS
Objective:	6700' Sand
Estimated Life of Reserves:	10 years

A surface location plat for each of the two (2) proposed new wells is attached.

The drilling schedule for the two (2) carryover wells and the two (2) new wells is expected to be as follows:

Well Name	Estimated Spud Date	Drilling Time
OCS-G 1372 #F-15*	09-01-87	30 days
OCS-G 1312 #6	10-01-87	30 days
OCS-G 0374 #38	11-01-87	30 days
OCS-G 1295 #9*	12-01-87	40 days

* Carryover from 1986-87 APOD.

All drilling activity should be completed by January 10, 1988.

17I13/2010

Chevron plans to use Penrod Drilling Company's rig "Penrod 86" or a similar type jackup rig to drill the proposed wells. This drilling rig contains well control and containment, pollution control, firefighting and lifesaving equipment and a sewage treatment system to comply with Minerals Management Service and U.S. Coast Guard requirements. A sketch of this rig is attached hereto, along with general data sheets.

Onshore support and storage facilities required for the proposed well are Chevron's existing facilities located at Venice, Louisiana and Harvey, Louisiana. The existing base at Venice covers ± 45 acres and is located adjacent to Grand Pass and Louisiana State Highway 23, and contains a dock with facilities for loading and unloading marine equipment, heliport, office and communication facilities. The Harvey base is small, 2.5 acres, and is used for temporary storage of casing and well equipment. This activity is not expected to increase base requirements.

Chevron U.S.A. Inc.'s Oil Spill Contingency Manual revisions were approved by the Minerals Management Service on November 10, 1986. Oil spill cleanup equipment is maintained at Venice, Louisiana, and time of deploying for equipment to the Main Pass Block 40 Field Unit is 4-6 hours.

One (1) of the four (4) wells will be drilled adjacent to existing platforms with its conductor pipe strapped to the platform. The remaining three (3) wells, if successfully drilled, will require the installation of a single well caisson over the conductor pipe. A drawing showing a typical caisson installation for the two (2) new wells is attached hereto. The installation schedule for the three (3) caissons is estimated as follows:

Well Name	Estimated Commencement Date	Time Required
OCS-G 1312 #6	11-15-87	5 days
OCS-G 0374 #38	12-15-87	5 days
OCS-G 1295 #9*	01-15-88	5 days

* Carryover from 1986-87 APOD.

Other Activity

It is anticipated that six (6) major workovers will be performed in the unit area at an estimated cost of $4.6 MM.

In accordance with 30 CFR 250.34-2, we are enclosing the following:

1. A copy of a plat showing the location of the lease with respect to the Louisiana shoreline.

2. A copy of a geological structure map and schematic cross section map for proposed Wells OCS-G 1312 #6 and OCS-G 0374 #38.

3. A copy of the Shallow Drilling Hazards Report for proposed Wells OCS-G 1312 #6 and OCS-G 0374 #38.

17113/2010

4. A copy of the Emissions Report for the proposed wells (new and carryover).

Chevron believes that the structure maps and schematic cross section maps submitted with this proposed Development Plan are exempt from disclosure under the Freedom of Information Act, and should therefore not be made available to the public or provided to any affected state or to the executive of any local government.

If any further information is needed, please contact Mark K. Gress at 592-6039.

Sincerely,

CHEVRON U.S.A. INC.

B. H. Hunley

B. H. Hunley

MKG:17113/2010
Attachments

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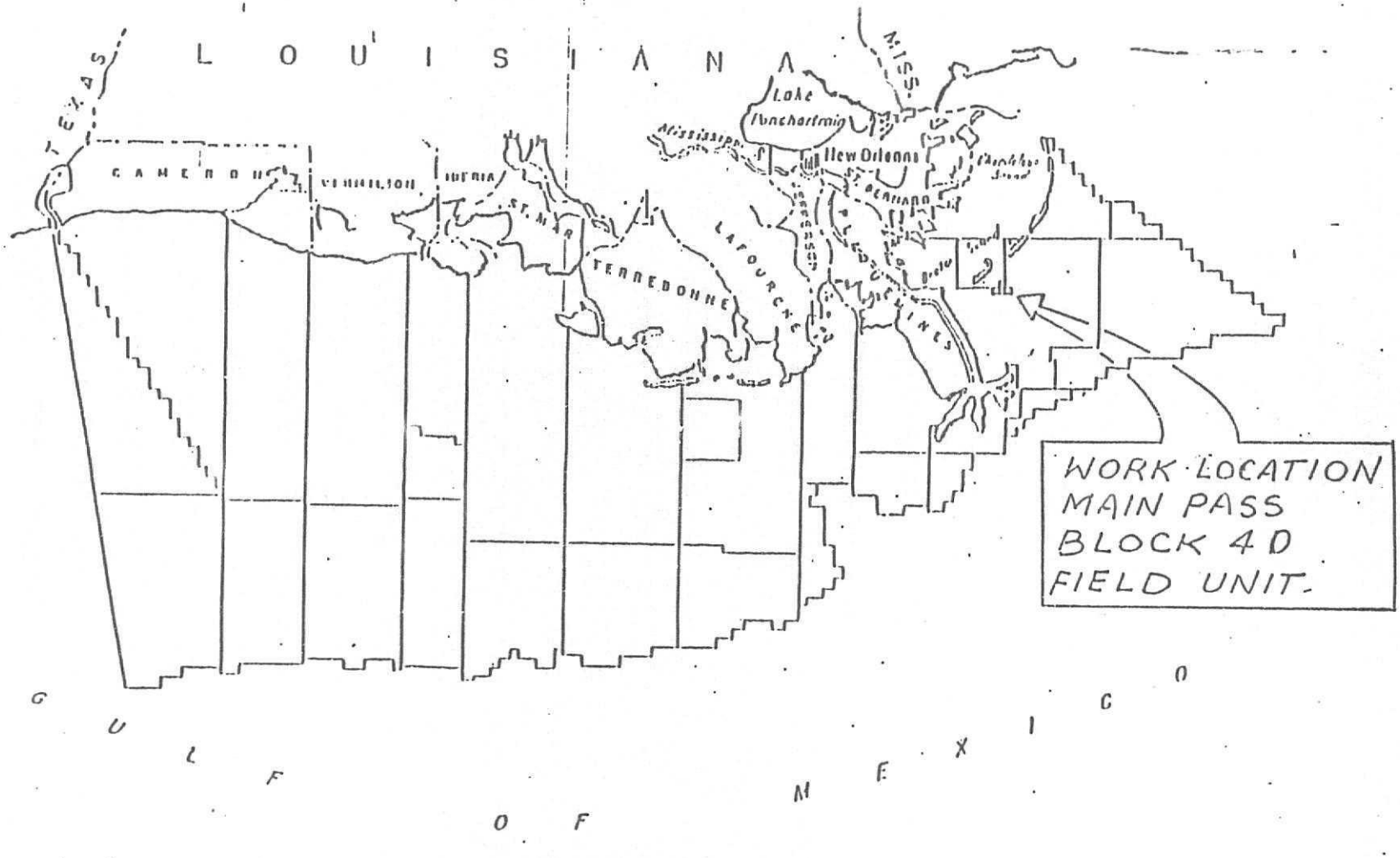
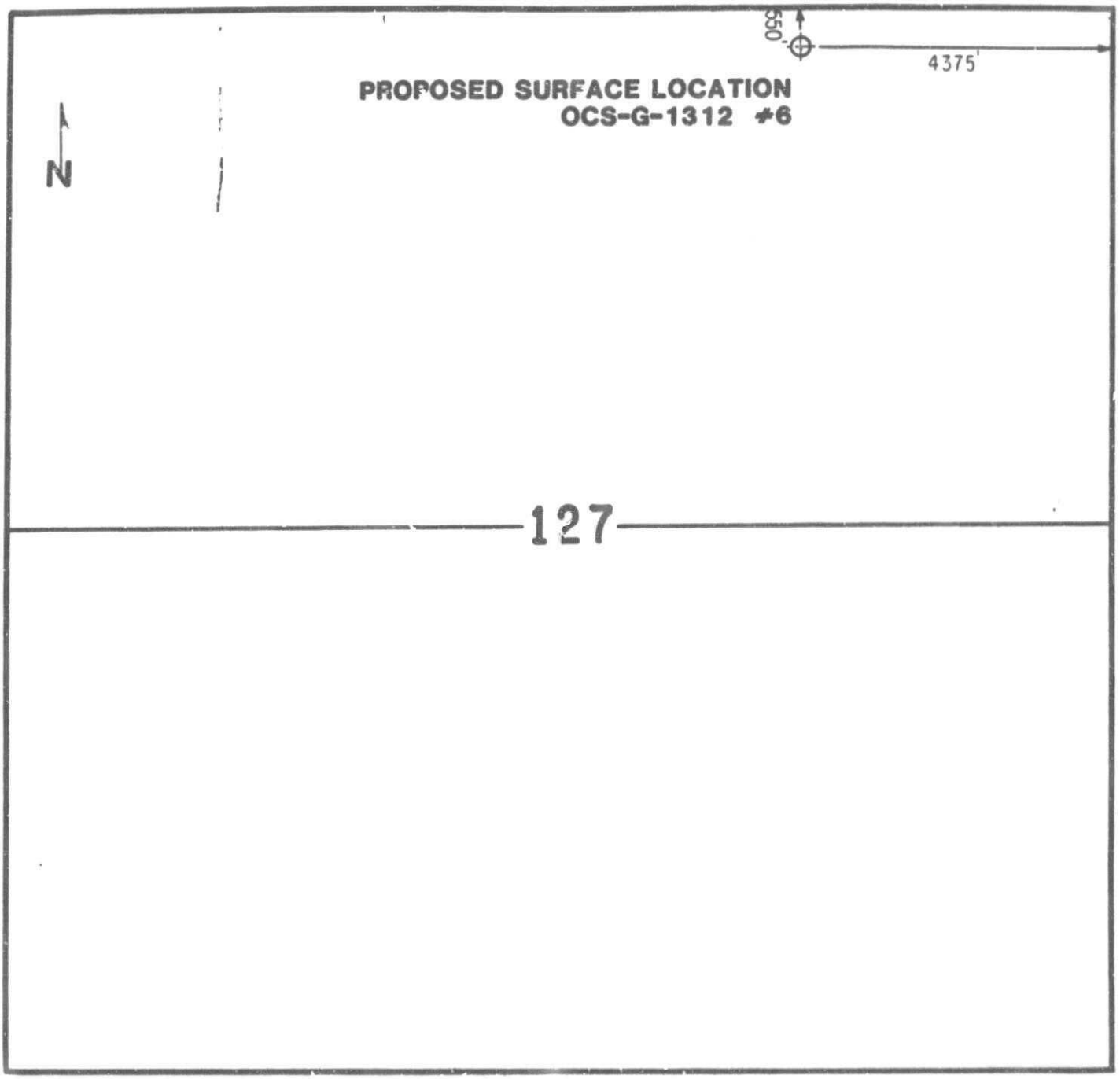


REGIONAL MAP



LOCATION PLAT

OFFSHORE LOUISIANA.

MAIN PASS BLOCK 127 FIELD

0' 2000'

SHALLOW DRILLING HAZARDS REPORT

DATE: December 19, 1986

AREA: Main Pass Block 41 Field

WELL: OCS-G-1312 #6

SURFACE LOCATION: 550' FNL and 4,375' FEL of Main Pass Block 127

GEOLOGIC EVALUATION: Drilling records and logs were reviewed for two wells in the proximity of the proposed surface location. These are the OCS-G-1312 #5 (1900' W of the proposed surface location) in Block 127 and OCS-G-1308 #1 in Block 116 (3600' NE of the proposed surface location). The logs do not indicate any shallow gas accumulations in either well. Nothing unusual was noted on the tour report for OCS-G-1312 #5, indicating normal drilling conditions in the shallow section.. No tour report was available for OCS-G-1308 #1. In addition, tour reports for OCS-G-1312 Well Nos. 1 through 4 were reviewed. The report for the #1 well (located 11,000' SW of the proposed #6 location) indicated lost returns at 516', 1330', and 1875'. No other difficulties were noted on the tour reports.

GEOPHYSICAL EVALUATION: Data reviewed included a hazard study by John E. Chance and Associates of Block 41 (October 1980) consisting of sparker lines along with side scan sonar, fathometer, and magnetometer. Two conventional CDPS lines LD520 and MP81-42 near the proposed location were reviewed.

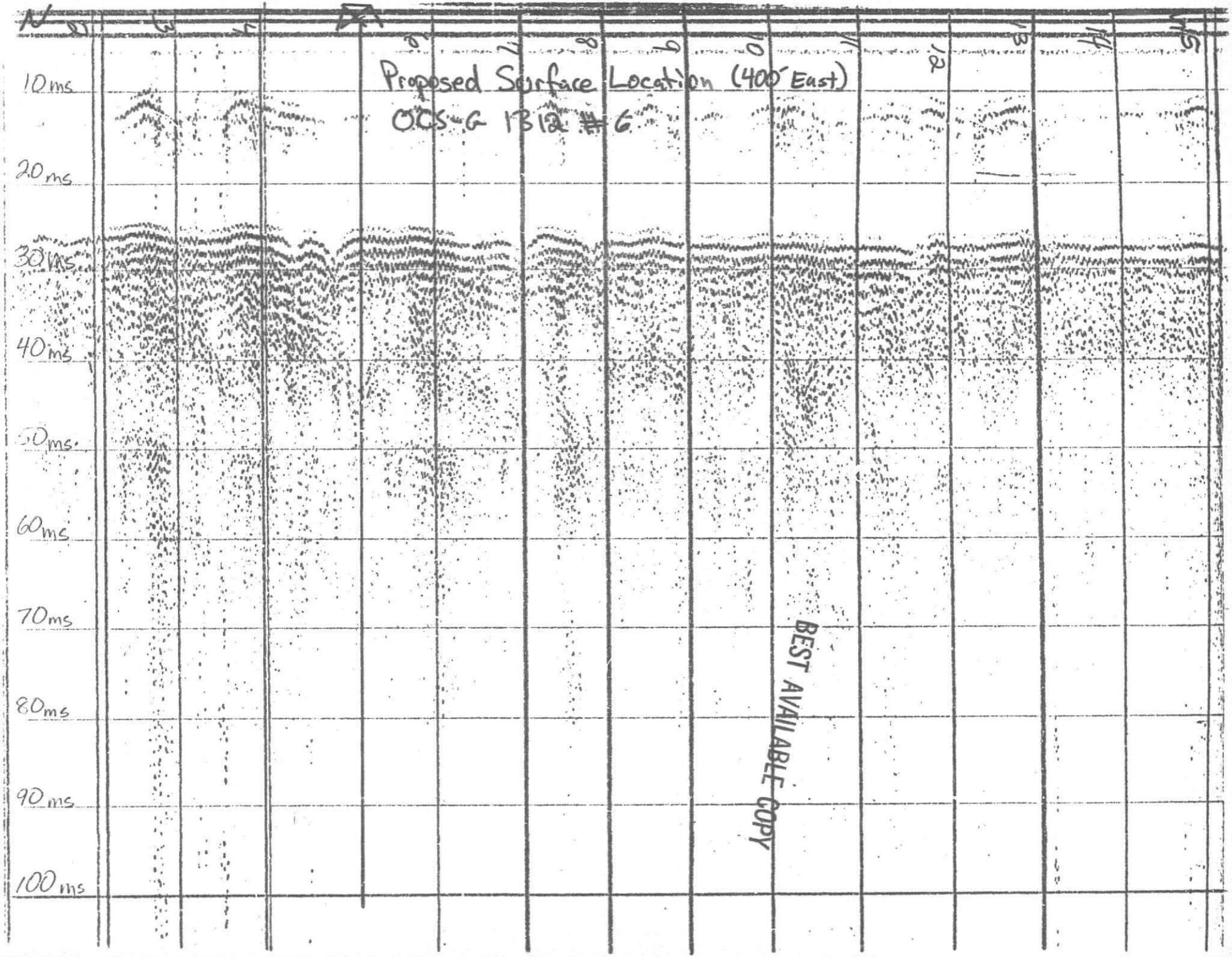
The hazard report stated that the near surface was stable with gas saturated sediment near the mudline. Two sparker lines, one at the location and the other 400' west of the proposed location indicated no anomalies. Both seismic lines LD520 and MP81-42 indicate gas saturated near surface sediment and a high amplitude event is present at approximately 2000' (.4 sec.). Caution should be exercised when drilling in this zone.

No facilities, pipelines, or magnetic anomalies are noted within a 2000' radius of the proposed surface location.

CONCLUSIONS: Examination of geological and geophysical data indicates that no drilling hazard associated with shallow gas has been encountered in the area. Although near surface sediments appear gas saturated, no problems are anticipated here. However, caution is recommended at approximately 2000' (.4 sec.) where a high amplitude event was indicated.

D.R. Warren
DISTRICT GEOLOGIST

Michael D. DeBrock /RMW
DIVISION GEOPHYSICIST


Proposed Surface Location (400' East)
OCS-G 1312 #6
10ms
20ms
30ms
40ms
50ms
60ms
70ms
80ms
90ms
100ms
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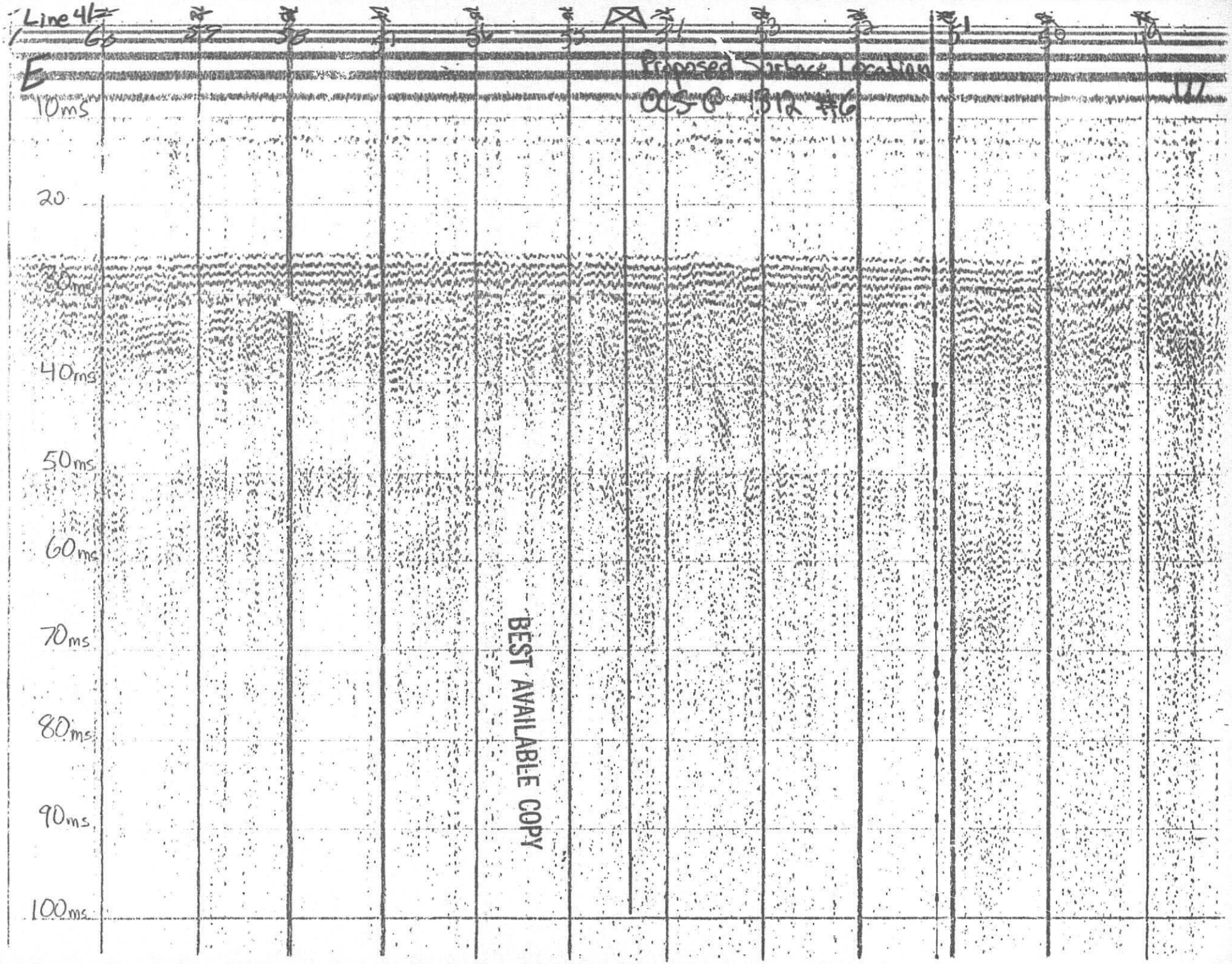
Line 41
E
W
Proposed Surface Location
OCS-G 1512 #6
10ms
20
30ms
40ms
50ms
60ms
70ms
80ms
90ms
100ms
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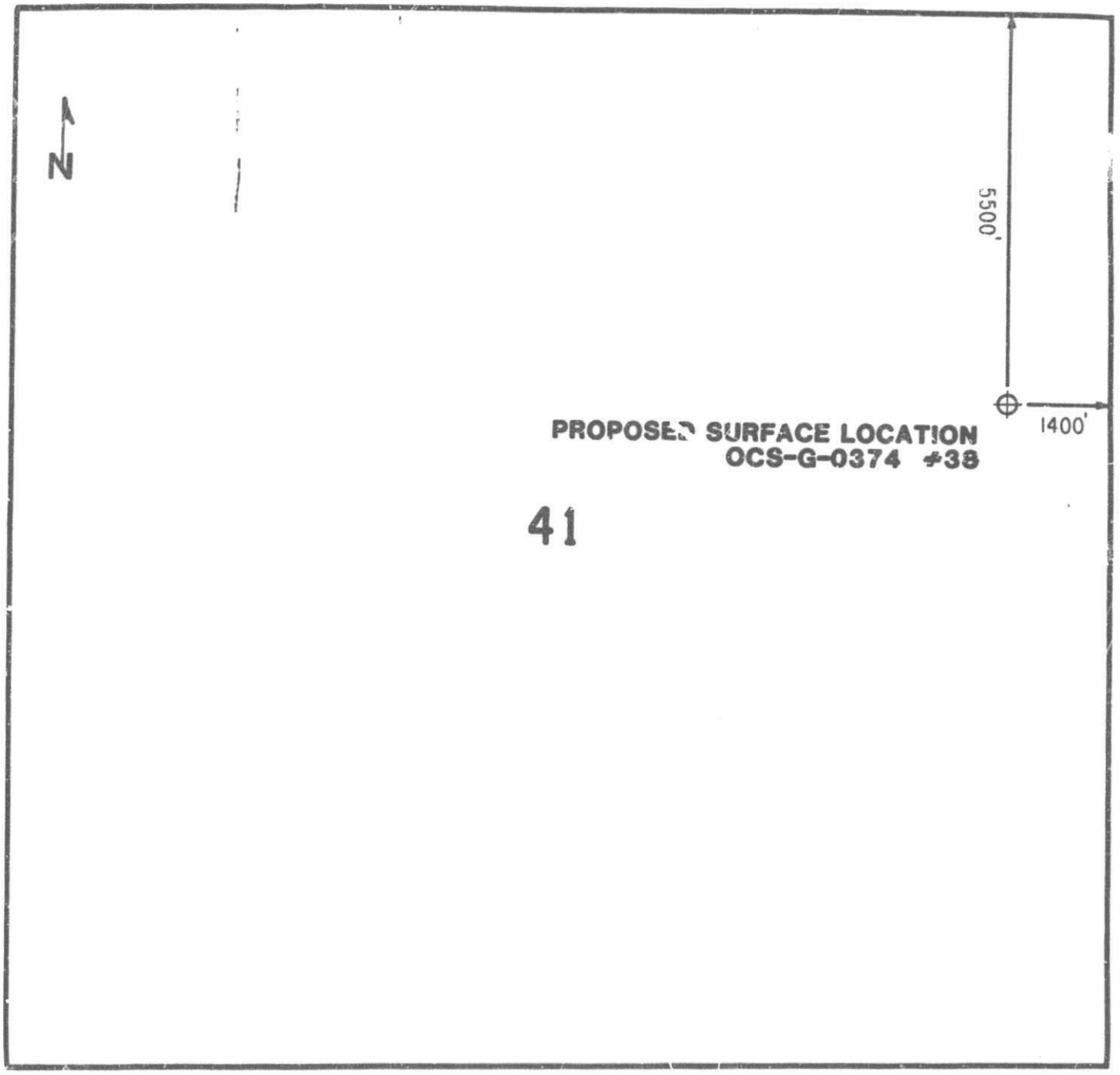


LOCATION PLAT

OFFSHORE LOUISIANA.

MAIN PASS BLOCK 41 FIELD

0' 2000'

SHALLOW DRILLING HAZARDS REPORT

DATE: December 19, 1986

AREA: Main Pass Block 41 Field

WELL: OCS-G-0374 #38

SURFACE LOCATION: 1,400' FEL and 5,500' FNL of Main Pass Block 41.

GEOLOGIC EVALUATION: The drilling records and logs for the following "B" Platform wells (1900' NNE of the #38 proposed surface location) were reviewed: OCS-G-0374 B-2, B-4, B-9, B-11, and B-12. Each well logged over 3000' and no problems associated with shallow gas were encountered.

GEOPHYSICAL EVALUATION: Data reviewed included a hazard study by John E. Chance and Associates of Block 41 (November 1980) consisting of sparker lines along with side scan sonar, fathometer, and magnetometer. A conventional CDPS line LD512 located near the proposed location was also reviewed.

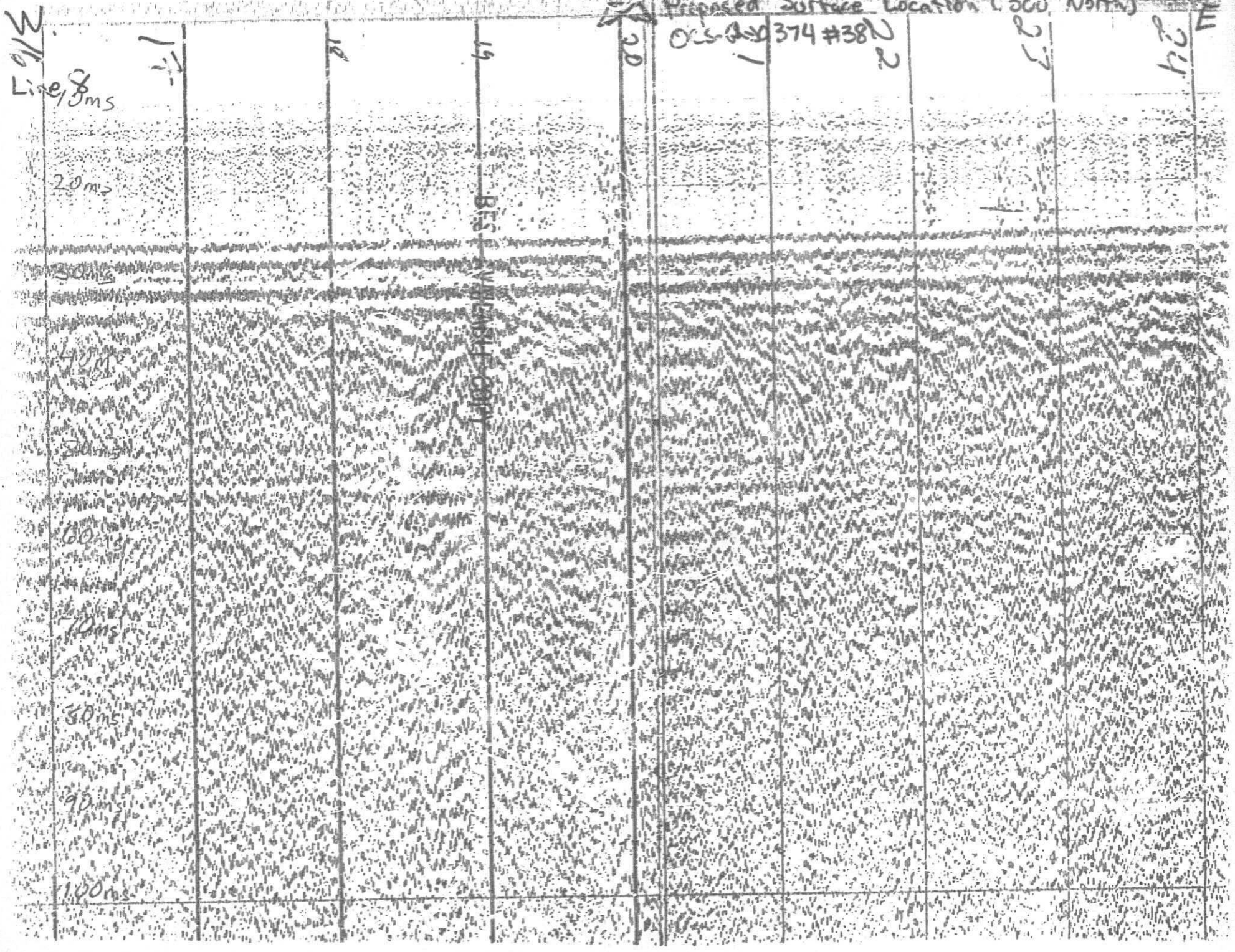
The hazard report stated that the near surface was relatively stable with gas saturated sediment near the mudline. Two sparker lines, one 300' south of the location and the other 1,100' east of the proposed location indicated no anomalies. Seismic line LD512 showed no indication of shallow faulting or high amplitude events near the surface location.

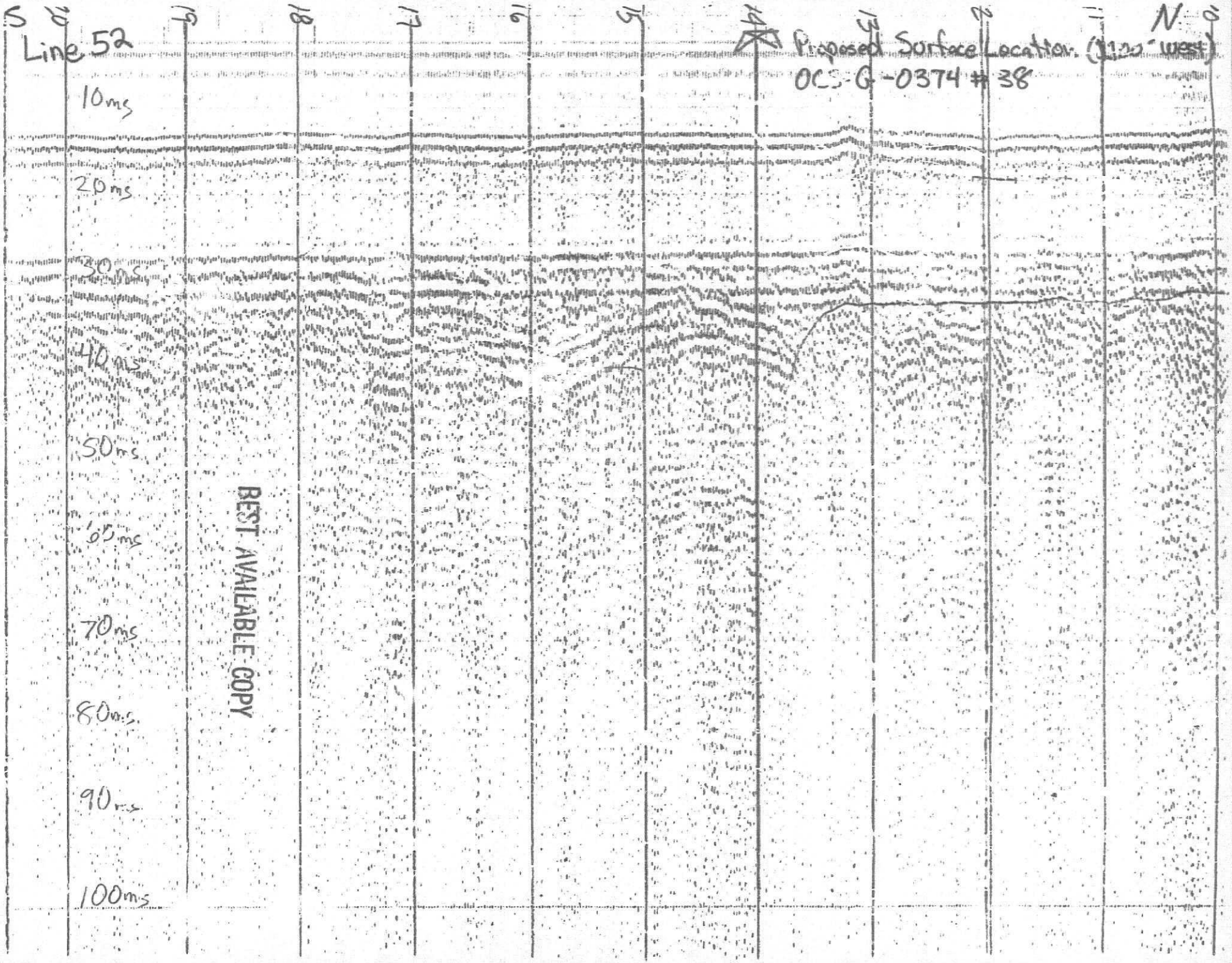
The proposed surface location is 250' NW of a 4" pipeline and 450' SE of a 6" pipeline. Extra caution should be exercised in the placement of a rig in this area. No magnetic anomalies are present within the area of the proposed surface location.

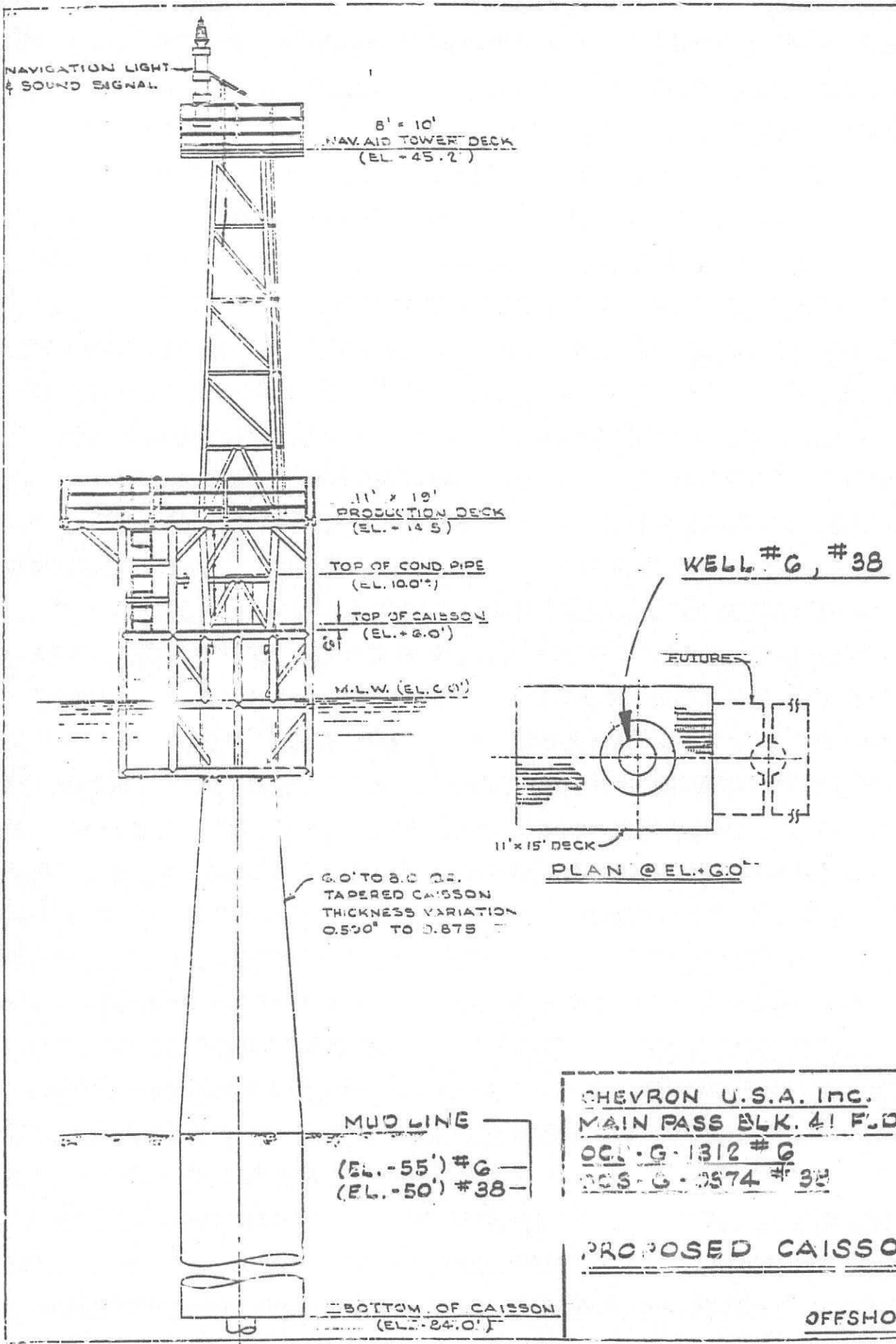
CONCLUSIONS: Examination of geological and geophysical data indicates that no drilling hazard associated with shallow gas has been encountered in the area and none are expected at the proposed location. However, precautions should be taken to avoid existing facilities and pipelines in the area.

D. R. Warren
DISTRICT GEOLOGIST

Michael D. DeBac & /RMW
DIVISION GEOPHYSICIST


Proposed Surface Location 1300' North
374 #38N
Line 8
20ms
30ms
40ms
50ms
60ms
70ms
80ms
90ms
100ms





CHEVRON U.S.A. Inc.
MAIN PASS BLK. 41 FLD. UNIT
OCS-G-1312 #6
OCS-G-0574 #38

PROPOSED CAISSON

OFFSHORE, LA.

AIR QUALITY CALCULATIONS

MAIN PASS BLOCK 40 FIELD UNIT

Air quality calculations are based upon the drilling of four wells. Operations are expected to begin in February of 1987, require approximately 130 days to complete on or about December 31, 1987. Fuel consumption for the drilling rig is estimated at 1,500 gallons per day. Details of the calculations are presented in Tables 1 - 3. All projected emissions are well below maximum allowable limits and this operation is therefore exempt.

TABLE 2

AREA Main Pass BLOCK 40 WELLS 4

PROJECTED EMISSIONS FROM EACH SOURCE

BY AIR POLLUTANT FOR 1986 Year

DRILLING OPERATIONS - WELLS

SOURCE	AIR POLLUTANT (T/YR)				
	SO_2	NO_x	CO	TSP	VOC
Drilling Rig Projected Emissions lb/day	46.8	704	153	50.3	56.3
Transportation-- Cargo Boat, Crew Boat, & Helicopter lb/day	0.9	6.1	23.8	1.2	2.4
SUB-TOTAL lb/day	47.7	710	177	51.5	58.7
Miscellaneous 25% of Sub-Total	13.5	177.5	44.3	12.9	14.7
TOTAL in lb/day	61.2	948.7	221	64.4	73.4
TOTAL DRILLING DAYS 1986	175				
TOTAL in Tons/year	5.4	83.0	19.3	5.6	6.4

TABLE 3

AREA Main Pass BLOCK 40 WELLS 4

EXEMPTION CALCULATIONS

$E = 3400 (D^{2/3})$ for carbon monoxide

$E = 33.3\ D$ for sulfur dioxide, nitrogen oxides, total suspended particulates, and volatile organic compounds

D = 10.5 Statute Miles

E = 16,303 CO

E = 350 SO_2, NOx, TSP, and VOC

POLLUTANTS	"E" (T/YR.)	1986 HIGHEST YEAR PROJECTED EMISSIONS (T/YR.)	EXEMPT (Yes or No)
SO_2	350	5.4	Yes
NOx	350	83.0	Yes
CO	16,303	19.3	Yes
TSP	350	5.6	Yes
VOC	350	6.4	Yes

E = The emission exemption amount expressed in tons per year.

D = The distance of the facility from the closest onshore area of a state expressed in statute miles.

TABLE 1

PROJECTED AIR EMISSION
Wells
Main Pass Blk. 40 Field Unit

EMISSION SOURCE	RUNNING TIME/DAY	TAKEOFF & LANDINGS/DAY	FUEL CONSUMPTION GALS/DAY	EMISSION FACTORS POUND/1,000 GALS.					EMISSION FACTORS AIRCRAFT TAKEOFF & LANDINGS					PROJECTED EMISSION 1-DAY PROJECTION IN #				
				SO_2	NO_x	CO	TSP	VOC	SO_2	NO_x	CO	TSP	VOC	SO_2	NO_x	CO	TSP	VOC
DRILLING RIG	24 hrs.		1500	31.2	469	102	33.5	37.5						46.8	704	153	50.3	56.3
CARGO BOAT (IN BERTH)	2 hrs.		4	31.2	469	102	33.5	37.5						0.1	1.9	0.4	0.1	0.2
CREW BOAT (IN BERTH)	2 hrs.		4	31.2	469	102	33.5	37.5						0.1	1.9	0.4	0.1	0.2
HELICOPTER TAKE-OFF & LANDINGS		4							.10	.57	5.7	.25	.52	0.7	2.3	23	1.0	2.0
											1-DAY TOTAL			47.7	710	177	51.5	58.7

ABOVE NUMBERS IN POUNDS

Projected emissions are based on data from "Compilation of Air Pollutant Emission Factors", 3rd Edition AP-42, EPA, 1977. Table 3.3.3.-1 and Table 3.2.1.-3.

PENROD 86

OFFSHORE MOBILE DRILLING PLATFORM

INTRODUCTION

The Marathon LeTourneau Cantilevered Substructure Jack-Up is a triangular shaped hull with three legs and cylindrical pointed spud cans. The hull is raised and lowered by electrically driven rack and pinion gears. The platform is classed by the American Bureau of Shipping as a Self-Elevating Drilling Unit.

PRINCIPLE VESSEL DIMENSIONS:

Hull Length	207 feet
Hull Breadth	176 feet
Depth of Hull	20 feet
Gear Rack Height	24 feet
Overall Length of Spud Legs	360 feet
Aft Spud Centers	122 feet
Centerline of Aft Spuds to Centerline of Bow Spud	120 feet
Design Water Depth (Non-Hurricane with 25' penetration)	250 feet
Rated Drilling Depth	25,000 feet

See Attached Grid for Cantilever Capacities

LIQUID & DRY STORAGE CAPACITIES:

Drill Water	3,120 bbls.
Fresh Water	982 bbls.
Fuel Oil	1,958 bbls.
Bulk Mud/Cement	(4)....1,925 cu. ft. tanks
Liquid Mud	1,200 bbls.

CRANES:

Three Marathon LeTourneau Series PCM-120AS, 45 tons at 25 feet, boom length 100 feet.

QUARTERS:

Air conditioned accommodations for 72 men; two galleys and mess halls; five bed hospital.

ANCHORING SYSTEM:

Windlasses - (4) Marathon LeTourneau Series W-1500TS units with 2500' of 1 1/2" diameter wirerope.

Anchors - (4) 10,000 lb. LWT type.

HELIPORT:

Sikorsky S-61 capacity or equal.

EQUIPMENT AND DRILLING INVENTORY

DRAWWORKS:

National 1320-UE Drawworks with 20,500 feet capacity of 9/16 inch sandline, emergency rotary drive and a Baylor Model 6032 Eddy Current Brake. Drawworks driven by two D-79 electric motors rated at 2000 hoisting HP.

POWER:

Three EMD MD12E8 diesel engines. Each engine is rated at 1650 continuous HP and drives a 1050 KW 600 volt AC generator.

Five Baylor basic "Thyrig II" units are used to supply DC power for drilling equipment.

MUD PUMPS:

Two National Model 12P-160 Triplex Mud Pumps. Each independently driven by two EMD D-79 electric motors rated at 1600 HP and supercharged by electric driven 5" x 6" centrifugal pumps.

DERRICK, SUBSTRUCTURE AND ACCESSORIES:

Derricks Service 147' high x 30' wide derrick with a static hook load capacity of 1,044,000 lbs. with 12" lines strung. One hundred (100) MPH wind load capacity with 180 stands of 4 1/2" O.D. drill pipe. National type 760-F, 538 ton capacity Crown Block with seven 60" diameter sheaves grooved for 1 3/8" wire line.

Adjustable casing stabbing platform.

Two 20 ton hoists installed below the substructure for handling the B.O.P. equipment.

TRAVELING BLOCK:

National Type 660-H-500, 500 ton traveling block with 6 - 60" diameter sheaves grooved for 1 3/8" wire line.

HOOK:

National Type H-500, 500 ton capacity.

SWIVEL:

National Type P-650, 650 ton capacity.

ROTARY EQUIPMENT:

National Type C-375 rotary with 37 1/2" table opening independently driven by an EMD D-79 electric motor through a National two speed transmission. Baash-Ross drive bushing. Baash-Ross Kelly bushing with wiper assembly.

MUD MIXING:

Two 6" x 5" centrifugal mud mixing pumps. Each pump driven by a 100 HP AC electric motor.

MUD SYSTEM:

Three 400 bbl. capacity liquid mud tanks and one 100 bbl. capacity slug tank. All active mud tanks equipped with Brandt Model MA-20 mud agitators. One P10C03 Sweco Desander Unit with three 10" cones. One P04C16 Sweco Desilter Unit with sixteen 5" cones. One Brandt high speed Dual Shaker. BRANDT MUD CLEANER

DRILL PIPE AND DRILL COLLARS:

9,765 ft. of 4 1/2" O.D. 16.60#/ft. Grade E, Range 2 Drill Pipe with 6 1/4" O.D. x 4 1/2" XH T.J.

4,960 ft. of 4 1/2" O.D. 20.00#/ft. Grade G, Range 2 Drill Pipe with 6 1/4" O.D. x 4 1/2" XH T.J.

24 - 7" O.D. drill collars 30' long.

12 - 8" O.D. drill collars 30' long.

1 - Kelly 5 1/4" HEX by 2 13/16" bore by 40' long with 4 1/2" I.F. RH pin.

1 (pair) Baash-Ross ST-60 rotary tongs 3 1/2" to 11 3/4" range.

2 - Byron-Jackson Type GG drill pipe elevators for 4 1/2" O.D. drill pipe.

1 - Baash-Ross 6 3/4" - 8 1/4" drill collar slip.

1 - Baash-Ross 4 1/2" - 9 5/8" safety clamp.

2 - Baash-Ross SDU rotary slips for 4 1/2" drill pipe.

BLOWOUT PREVENTERS:

One Hydril 21 1/4" - 2000 psi W.P. type MSP; One Hydril 13 5/8" - 5000 psi W.P. type GL; One Cameron 13 5/8" - 10,000 psi W.P. type "U" single; One Cameron 13 5/8" 10,000 psi W.P. type "U" double, One 5,000 psi W.P. choke manifold with two adjustable choke. ...ut preventers and choke manifold treated for H_2S service.

Blowout preventer control unit is a Koomey Model ET25160-3BTM, 3,000 psi W.P. accumulator system.

COMMUNICATIONS EQUIPMENT:

55 Channel 25 watt VHF/FM Marine Transceiver
1 - 350 watt FM Transceiver
6 - 2 Channel VHF portable radios
1 - 100 watt FM Transceiver
1 - Inner Communication System ... ...egically located

SPECIAL EQUIPMENT:

1. Baash-Ross Power Slips with 5 1/2" slip bodies and 4 1/2" slip inserts.
2. Automatic Driller.
3. Mud-Gas Separator.
4. Drilling Recorder.
5. Dual mud lines complete with dual standpipes and 3" x 60' - 10,000 psi test rotary hoses.
6. Halliburton HT-400 cement unit with recirculating mixer driven by two EMD D-79 electric motors.
7. Varco Model 6500 Power Sub.
8. Totco Pit Level and Flowline indicator.
9. Two Maxim TCF - 7.5 water distillation ... ...llons per day total.
10. Two 400 amps. welding machines and oxyge...-acetylene equipment.
11. Halliburton heavy duty electric powered wireline unit with 14,000' of .092" line.

12. OMSCO 6 5/8" 15,000 psi test upper Kelly valve.

13. TIW 10,000 psi test lower Kelly valve.

14. Gray inside B.O.P.

15. Drilco E-Z torque hydraulic cathead.

16. Fork lift truck for sack mud storage room.

17. Totco straight hole instrument 0 degrees - 8".

18. Overshots and Taper Taps for contractor furnished drill string.

19. One 15,000 psi test drill pipe safety valve.

20. Totco type "E" WLA-75 weight indicator, DCT 20-25 tong torque gauge, MG50 Pump pressure gauge, 379-35 Rotary RPM indicator, and 379-31 pump stroke indicators.

21. Baroid 821 Mud test kit.

22. Air tuggers in various sizes for use on rig floor and cellar deck area.

23. One central air system with two 490 CFM air compressors, one cold start compressor and one water cooled after cooler.

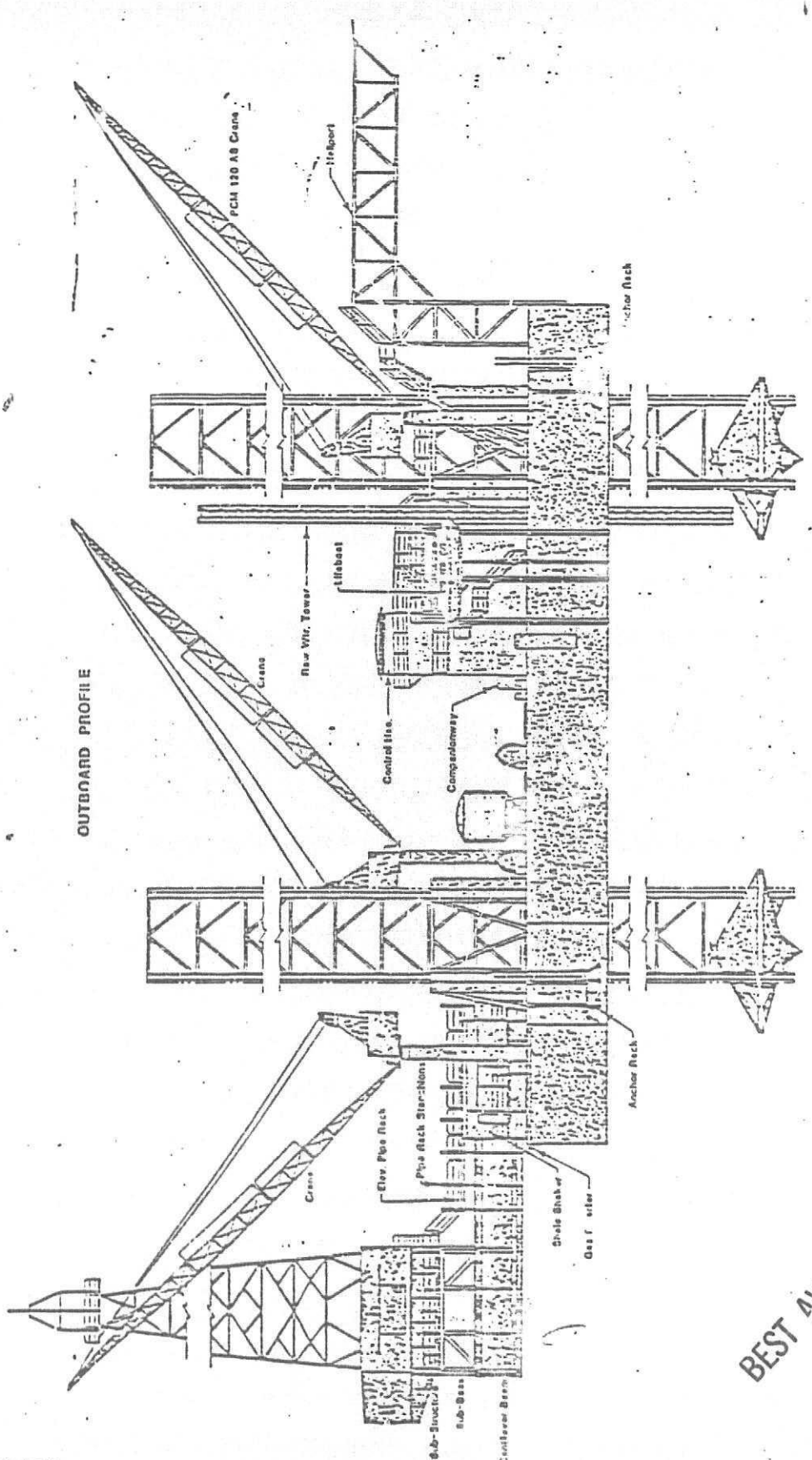
24. Diesel engine driven 250 KW emergency AC generator.

25. Baylor Filteron sewage treatment plant.

26. Drilco degasser.

27. Spinner Hawk Spinning Wrench.

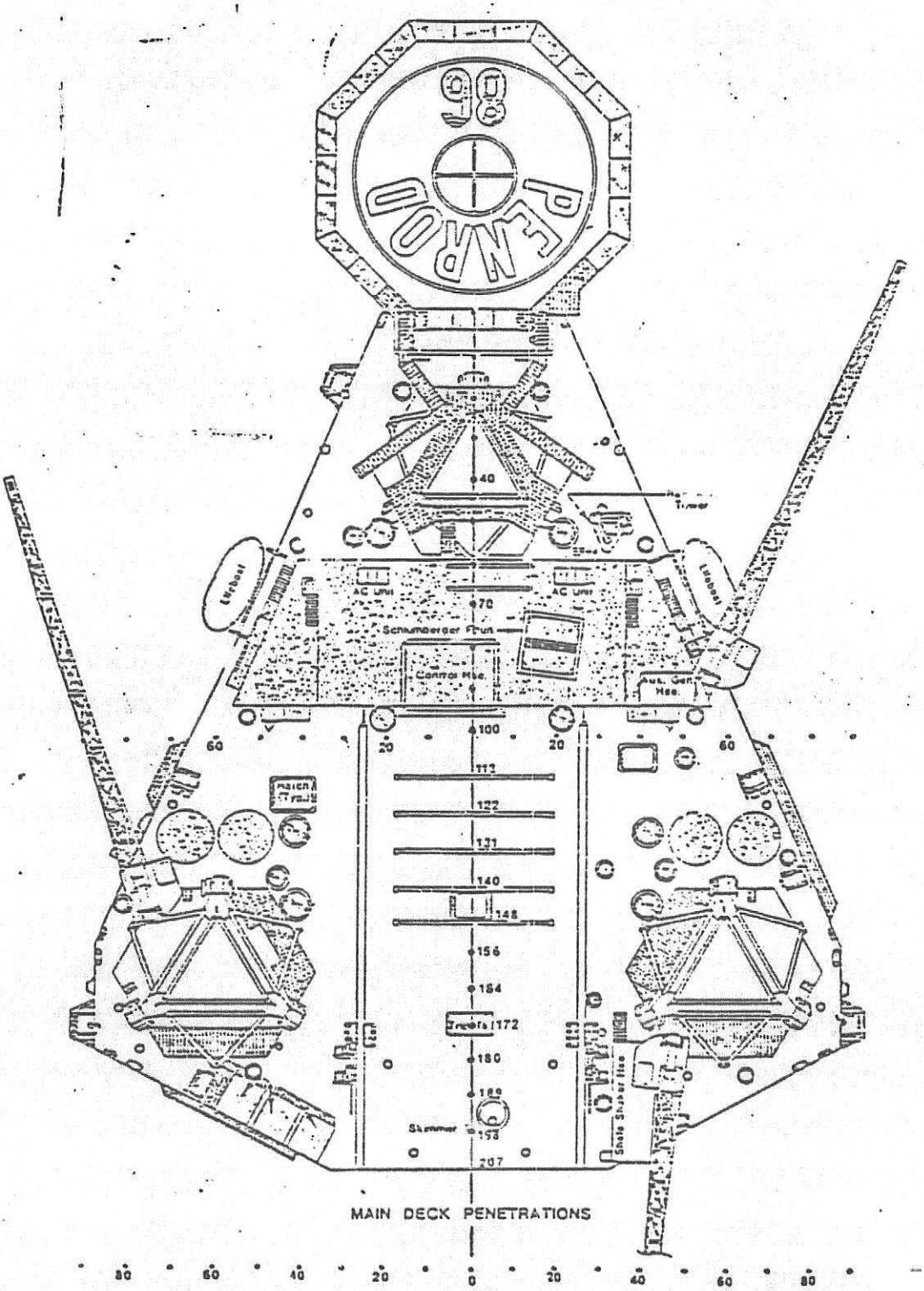
28. 2 - 44 man Watercraft - Shatz covered life boats.



PLATFORM 165

Marathon LeTourneau Company
Marine Division

MAIN DECK LAYOUT



MAIN DECK PENETRATIONS

80 60 40 20 0 20 40 60 80

PLATFORM 165

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656-9741-81

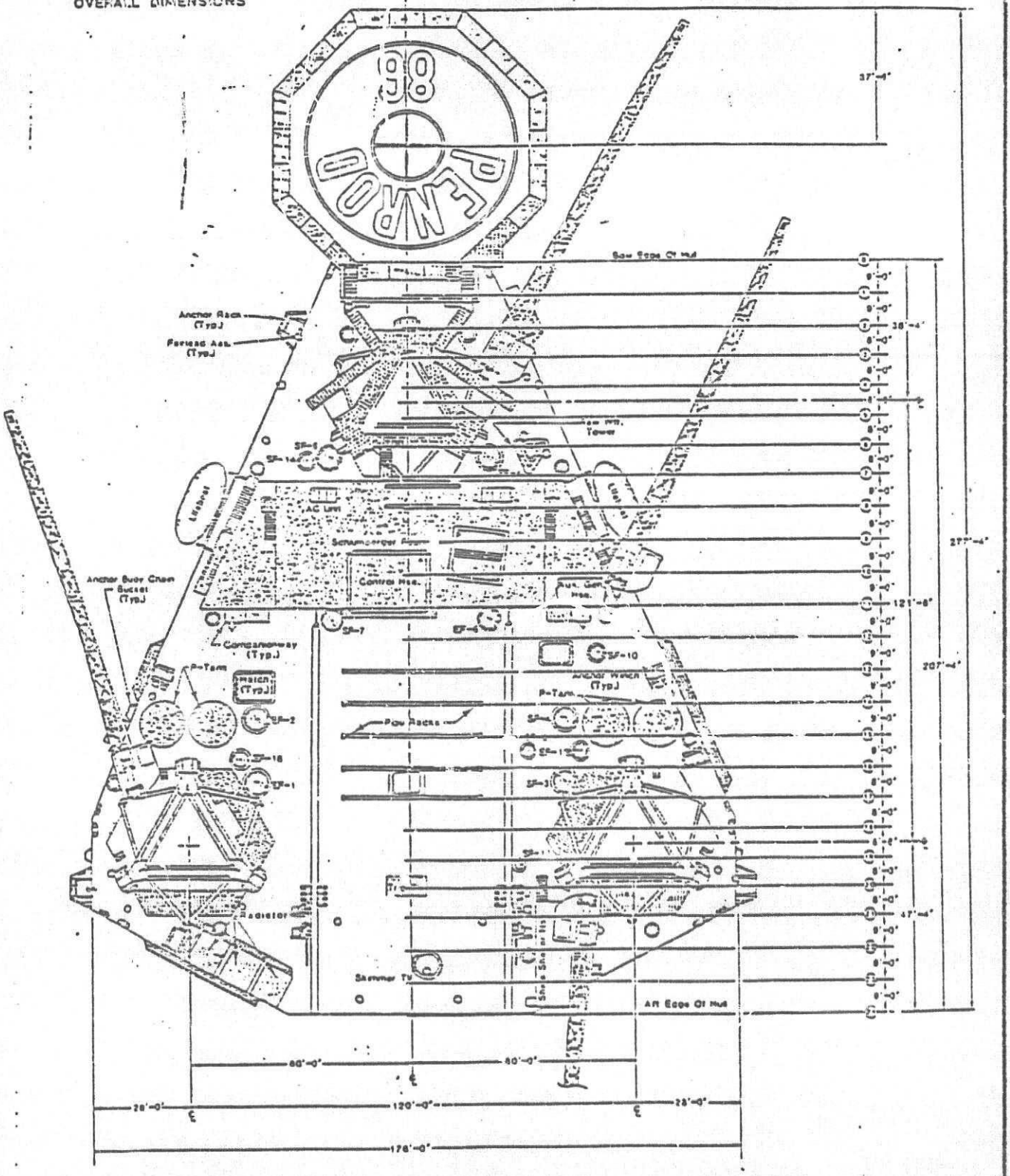
1.52

Marathon LeTourneau Company

Marine Division

MAIN DECK LAYOUT

OVERALL DIMENSIONS



PLATFORM 165

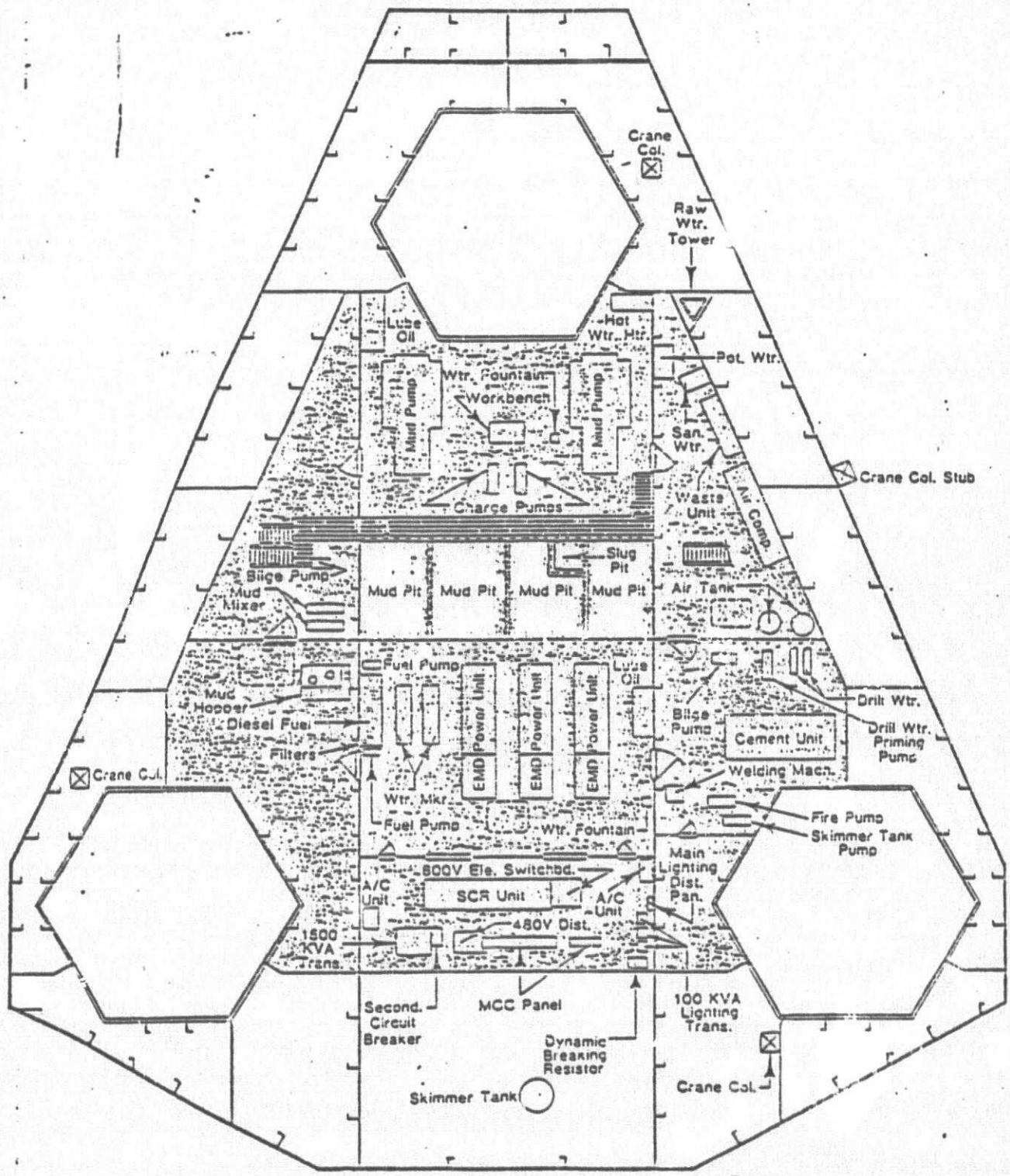
656-9340-81

1.59

Marathon LeTourneau Company

Marine Division

MACHINERY DECK LAYOUT

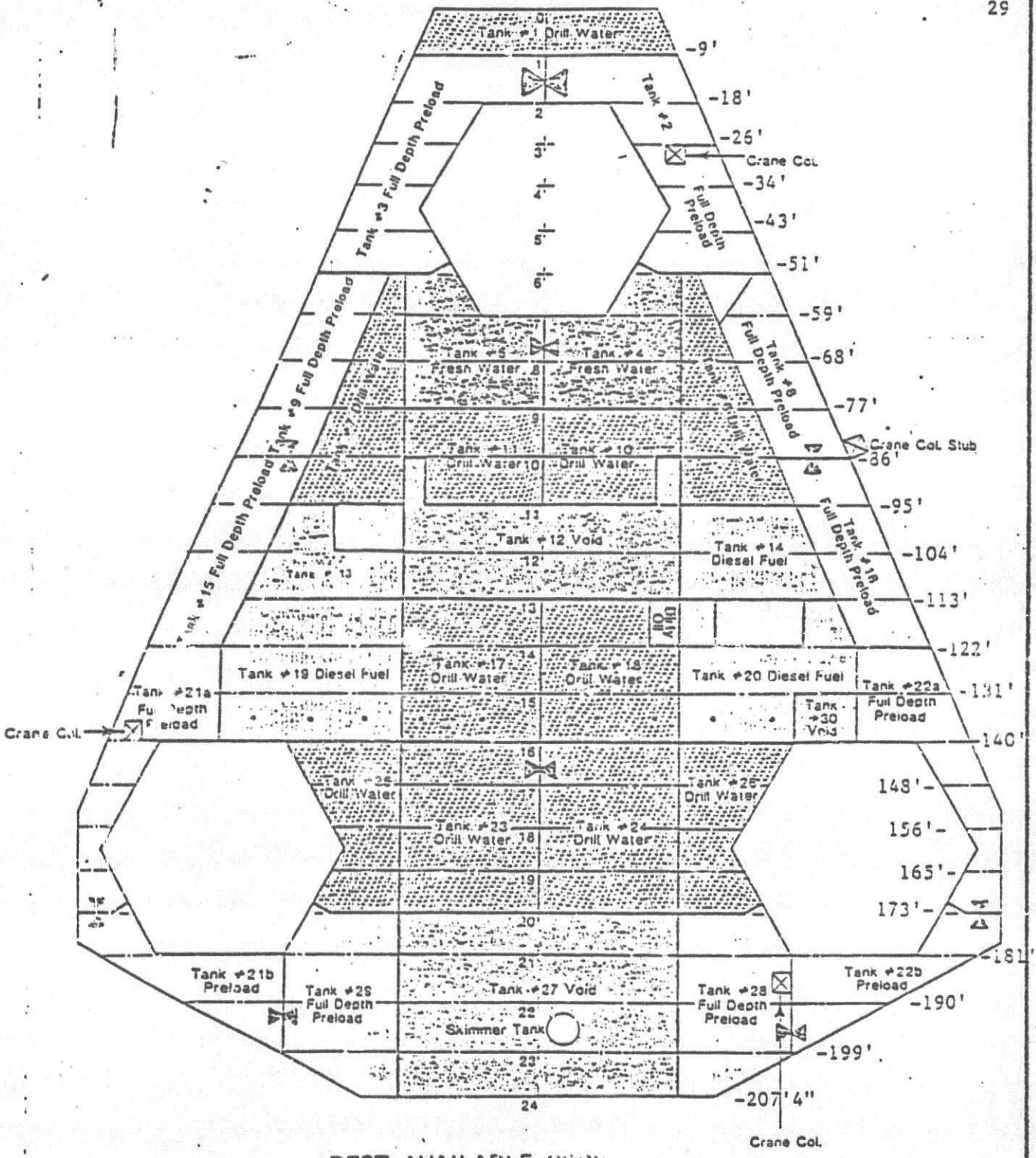


PLATFORM 165

INNER BOTTOM TANK LAYOUT

PRELOAD EQUALIZER VALVES = 8
FRESH WATER EQUALIZER VALVE = 6"

DUMP VALVES
10" - Tanks 8,9,15,16
12" - Tanks 2,3,21,22,28& 29



BEST AVAILABLE COPY

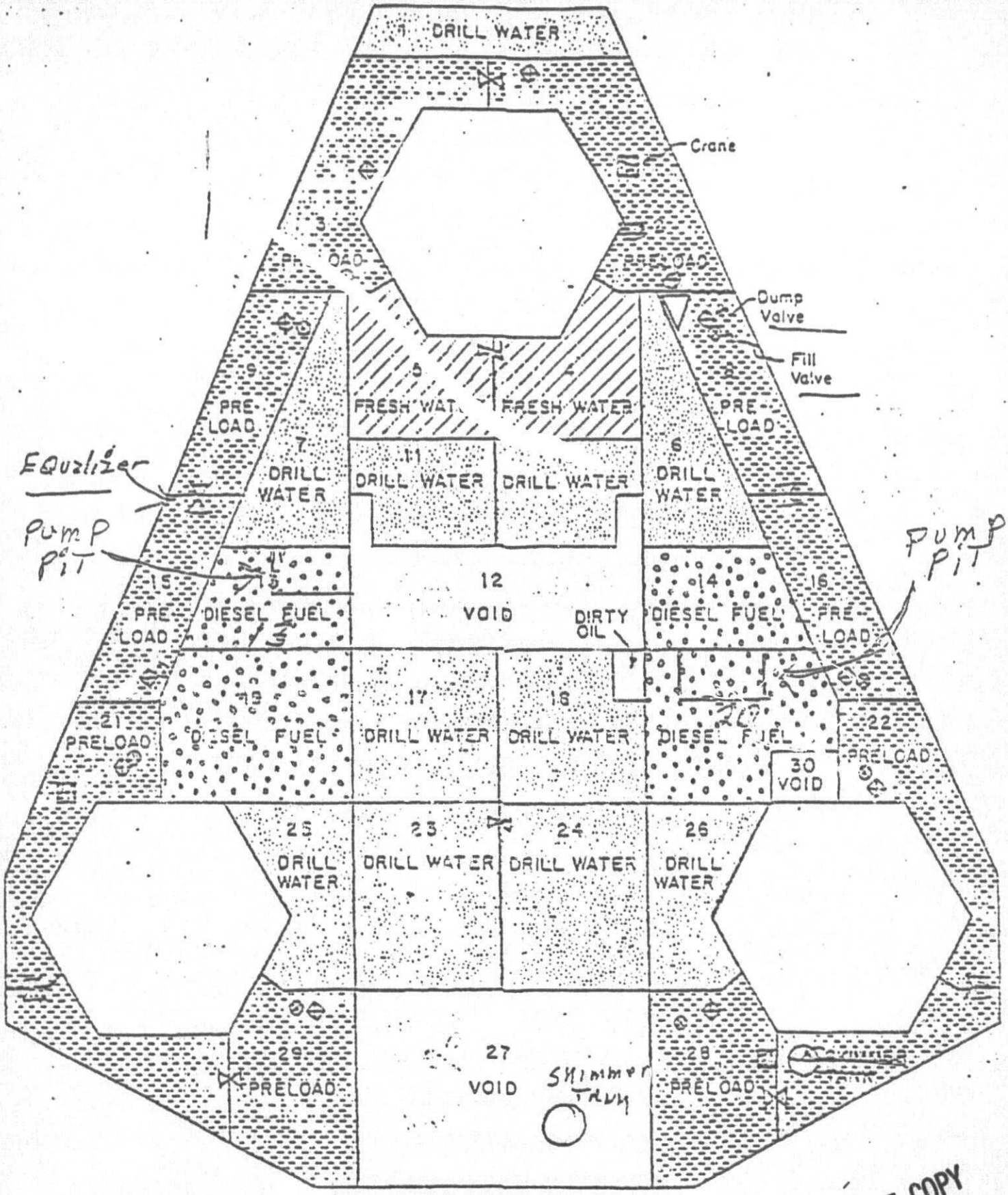
PLATFORM 165

PENROD 86

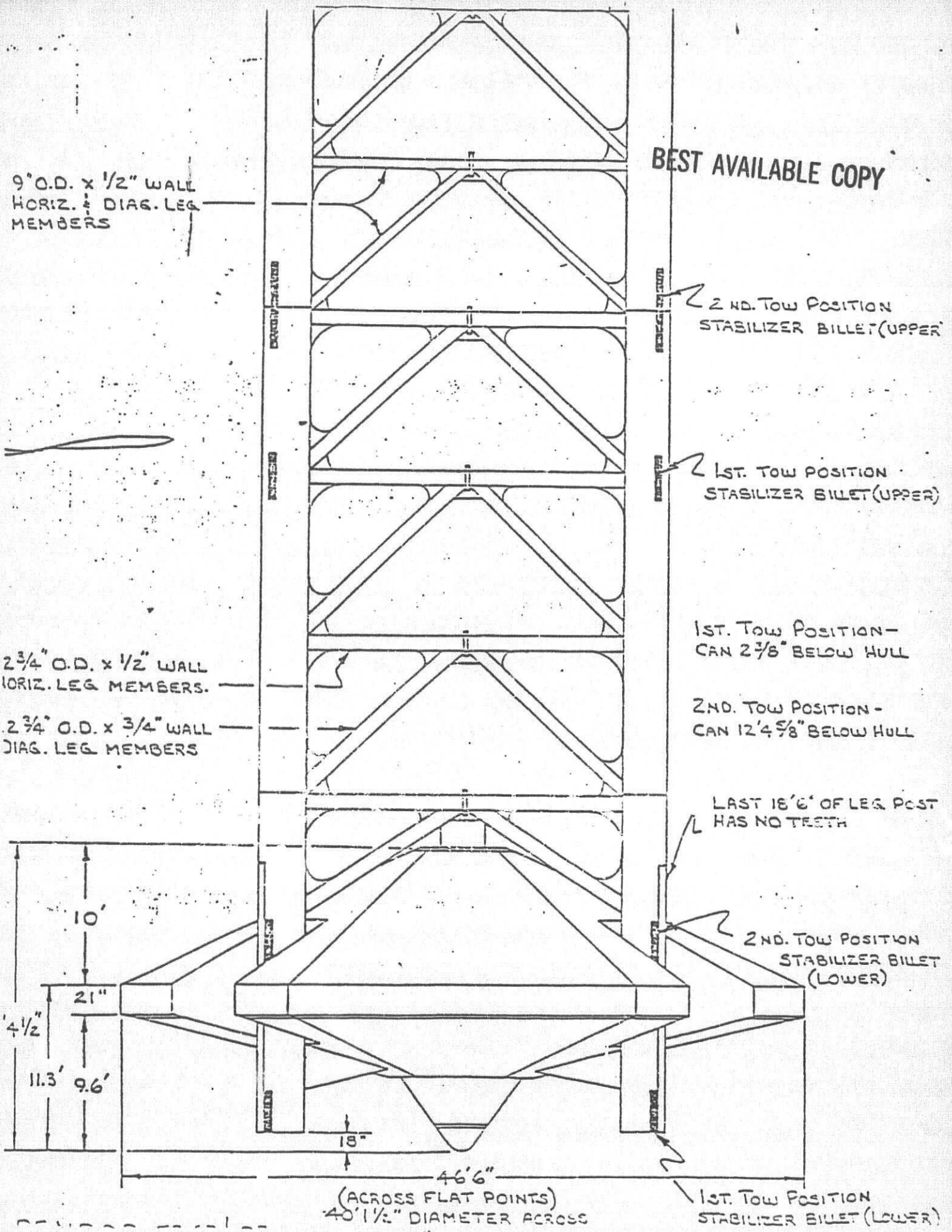
656-8345-81

1.20

Marathon LeTourneau Company



PENROD 86



PENROD 86
LETOURNEAU HULL #165 OFFICIAL #643110
LAST REVISION DATE - JAN '82 - BUILT 1981

ull Length & Width	207'4" X 176'
ull Length Inc. Heliport	279'
ull Depth	20'
umber of Cranes	3
ear Rack	26'
ull & Gear Rack	46'
eg Length	360.33'
ist. Port-Stbd. Legs	120'
ist. Bow-Aft Legs	137.5'
ow Leg LCG	38'4"
ft Legs - LCG & TCG	160' - 60'
an Diameter (across Flats)	40'
an Diameter (across Points)	46'
earing Pressure (1 can)	5387 Lbs. Ft^2 (1)
oints	9.6'
an Wall	21"
an Wall & Points	11'
an Height Inc. Dome	21'4½"
eepwell Tower	127'
eepwell Below Hull	104'
raft w/ Max. Variable	10.91'
isplacement(L.T.) Lightship	213 tons
isplacement (L.T.) Max. Var	6331 tons
ax. ABS Load Line	10.9'
in. Water Depth	15'
ax. Water Depth	250'
rillable Area	27' X 20'W

Basic Hull & Gear Units	4,423,650#
Leg Weight - 3 legs 360'	3,258,312#
Lightship Less Fixed	7,681,962#
Total Fixed Load	3,994,075#
Lightship & Fixed Less Cant.	10,266,037#
Max. Var. Load Allowed	2,505,925#
Max. Fixed & Var. Allowed	6,500,000#
Preload	7,138,000#
Cantilever Weight	1,410,000#
Total Lightship	11,676,037#
Max. Imposed Load Allowed	21,319,962# (2)
Lightship Less Cant. LCG	112.84'
Lightship VCG	51.38' (3)
Lightship TCG	+1.20'
Leg VCG	136.24'
Leg GLC	119.44'
LCB	119.44'
Displacement Per Foot	1,301,098# (4)
Total Independent Gear Unit Load w/ Max. Variable	303.435#
Max. Crew Quarters	72 (5)
Heliport Size	65'
Heliport Capacity	S-61
Total Potable Water Cap.	982 BBLS
Total Drill Water Cap.	6651 BBLS
Total Diesel Fuel Cap.	2036 BBLS
Min. Leg Below Hull	0'
1st Tow Position (Can Below Hull)	1.2' (6)
2nd Tow Position (Can Below Hull)	12.5'

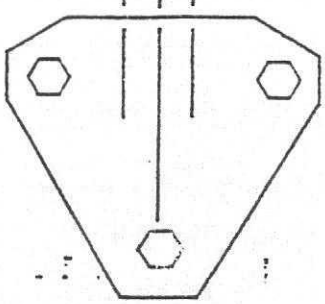
FOOTNOTES

(1) One Can - 1320 Ft.^{2} - Assuming 25' Penetration, Max. Var. & Preload
(2) W/ Max. Variable & Preload
(3) Leg 12.38' Below Hull
(4) Salt Water
(5) Plus 6 Man Sick Bay
(6) Leg 1.2' Below Hull

10.0'	8.0'	6.0'	4.0'	2.0'	0'	2.0'	4.0'	6.0'	8.0'	10.0'	
305	360	415	490	585	695	585	490	415	360	305	40'
370	425	495	585	690	810	690	585	495	425	370	38'
435	510	595	695	805	935	805	695	595	510	435	36'
530	615	705	810	935	1000	935	810	705	615	530	34'
640	730	830	945	1000	1000	1000	945	830	730	640	32'
760	860	970	1000	1000	1000	1000	1000	970	860	760	30'
900	1000	1000	1000	1000	1000	1000	1000	1000	1000	900	28'
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	26'
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	24'
10.0'	8.0'	6.0'	4.0'	2.0'	0'	2.0'	4.0'	6.0'	8.0'	10.0'	

Distance Starboard of hull Centerline to Centerline of Rotary in feet.

Distance Port of hull Centerline to Centerline of Rotary in feet



Note: Weight is the combined allowable hook, rotary and setback (in kips)

LOAD LIMITATIONS

Within the limits shown above, the maximum component loadings are:

Hook Load	1000 kips
Rotary Load	750 kips
Setback	450 kips
Pipe Rack	500 kips (+)
Pipe Rack Decking	270 PSF
Individual Pipe Rack Beam	5 kips per linear ft.
Owner furnished equipement *	500 kips

(+) Loads in excess of this will result in a decrease of drilling load.

(*) A pipe rack loading of 650 kips is permissable when the combined hook, setback, rotary and pipe rack load does not exceed 1500 kips. Pipe to be uniformally distributed in the rack area under all conditions.

CANTILEVER BEAM LOAD CHART
for
82 SD
(fixed subbase)

EMENT - Class H
800 Sx. is considered
completely full.

Barite
2450 Sx. is considered
completely full.