

TransOcean Oil, Inc.

1700 FIRST CITY EAST BUILDING
1111 FANNIN • HOUSTON, TEXAS 77002
713 - 654-2100

MULTI-POINT SURFACE USE PLAN Federal 23688 #1

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1. Existing Road--Refer to Map No. 1 which shows the existing roads. New roads which will be required have been appropriately labeled on this map. All existing and new roads will be properly maintained during the duration of this project.
2. Planned Access Roads--Refer to Map No. 1. The grade of the access road will be consistent with local terrain. Road surfaces will not exceed sixteen feet (16') in width. After completion of all work on the subject well, the access road will be adequately drained to control soil erosion. Drainage facilities may include ditches, water bars, culverts, or any other measure deemed necessary by trained Company personnel to insure proper drainage. Gates and/or cattleguards will be installed if necessary.
3. Location of Existing Wells--Please refer to Map No. 2.
4. Location of Tank Batteries, Production Facilities, and Production Gathering and Service Lines--There are no existing facilities within a one-mile radius of the proposed location.
5. Location and Type of Water Supply--Water for the proposed project will be obtained from Quemado water pit by truck.
6. Source of Construction Material--No additional material will be required to build either the access road or the proposed location.
7. Method of Handling Waste Materials--All garbage and trash material will be put into a burn pit shown on the attached Location Plat No. 1. When clean-up operations are begun on the proposed project, the burn pit and its refuse will be buried to a depth of at least three feet (3'). A latrine, the location of which is also shown on Plat No. 1, will be provided for human waste. If large amounts of liquid are left in the reserve pit after completion of the project, the pit will be fenced until the liquids have had adequate time to dry. The location clean-up will not take place until such time as the reserve pit can be properly covered over to prevent run-off from carrying any of these materials into the watershed. No earthen pit will be located on natural drainage; all earthen pits will be so constructed as to prevent leakage from occurring.
8. Ancillary Facilities--No camps or airstrips will be associated with this project.



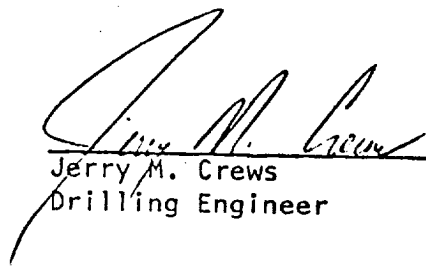
TransOcean Oil, Inc.

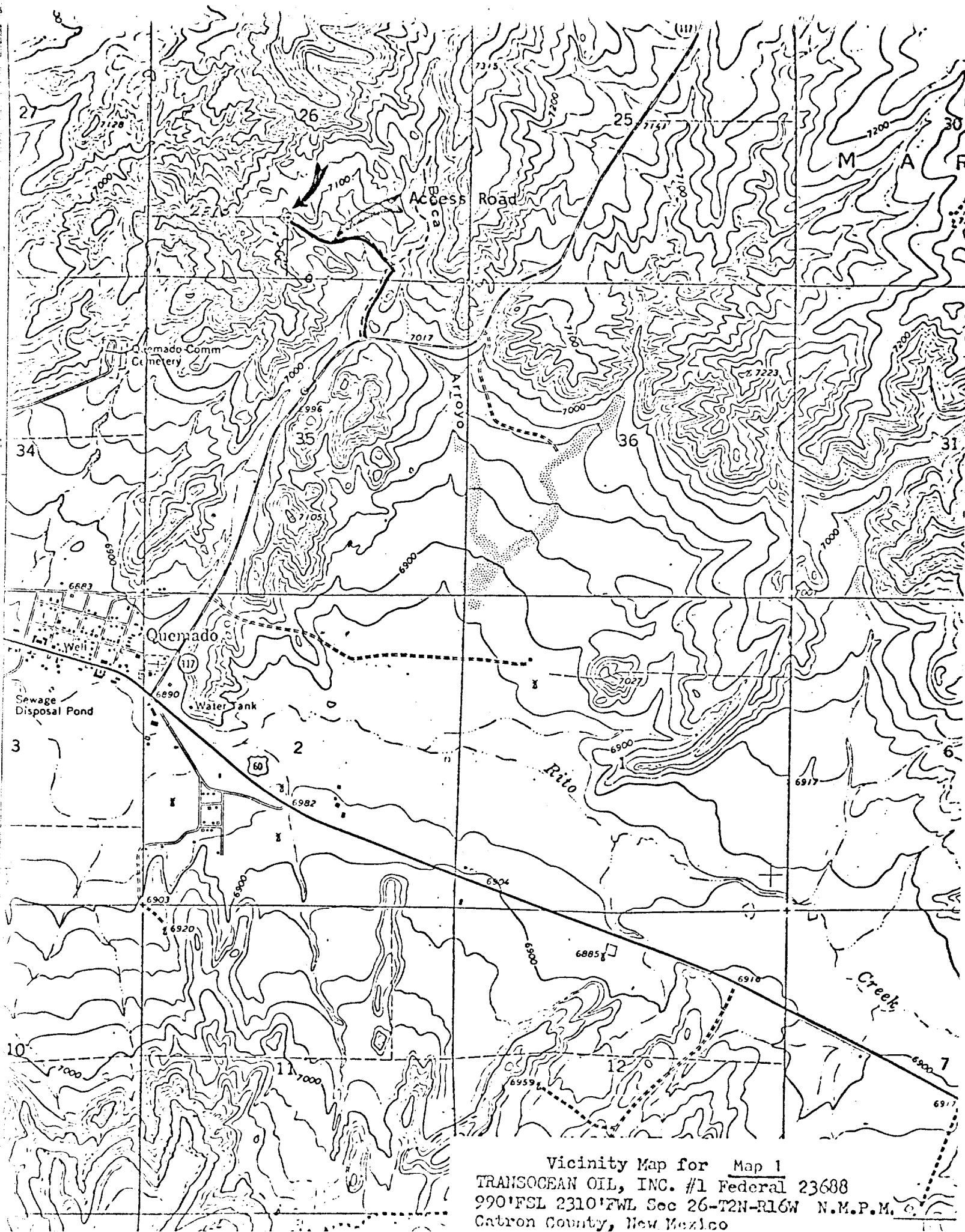
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Multi-Point Surface Use Plan--Federal 23688 #1
Page 2

9. Wellsite Layout--Please refer to the attached Plat No. 1.
10. Plans for Restoration of the Surface--After completion of the proposed project, the location will be cleaned and leveled. The location will be left in such a condition that will enable reseeding operations to be carried out. Appropriate seed will be used in seeding operations. Reseeding will be performed during the time period set forth by the regulatory body. If production equipment is placed on location it will be painted green.
11. Other Information--This terrain is sloping with sparse grass coverage. There is no livestock at the proposed location.
12. Operations Representative--Jerry M. Crews
TransOcean Oil, Inc.
1700 First City East Bldg.
1111 Fannin
Houston, Texas 77002
(713) 654-2100 (office)
(713) 448-4662 (home)
13. Certification--I hereby certify that I or persons under my direct supervision have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operations proposed herein will be performed by TransOcean Oil, Inc. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.


Jerry M. Crews
Drilling Engineer



Vicinity Map for Map 1
 TRANSOCEAN OIL, INC. #1 Federal 23688
 990' FSL 2310' FWL Sec 26-T2N-R16W N.M.P.M.
 Catron County, New Mexico

TRANSOCEAN #1 FEDERAL 23688

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Quemado

R 16 W

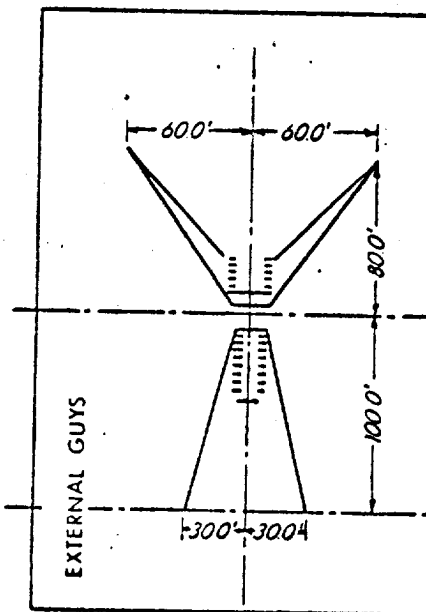
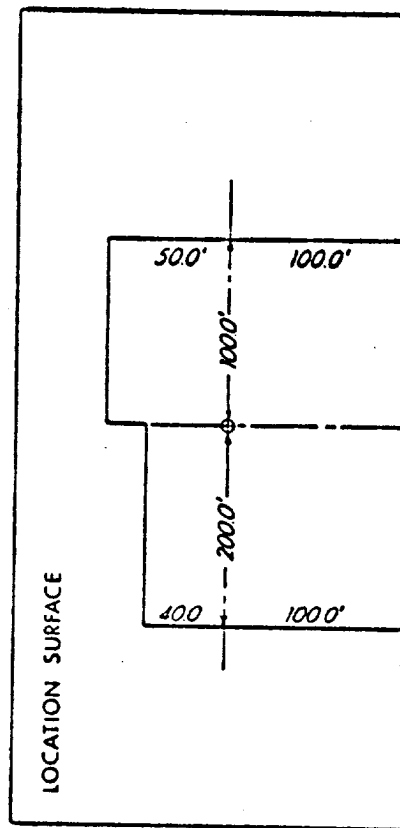
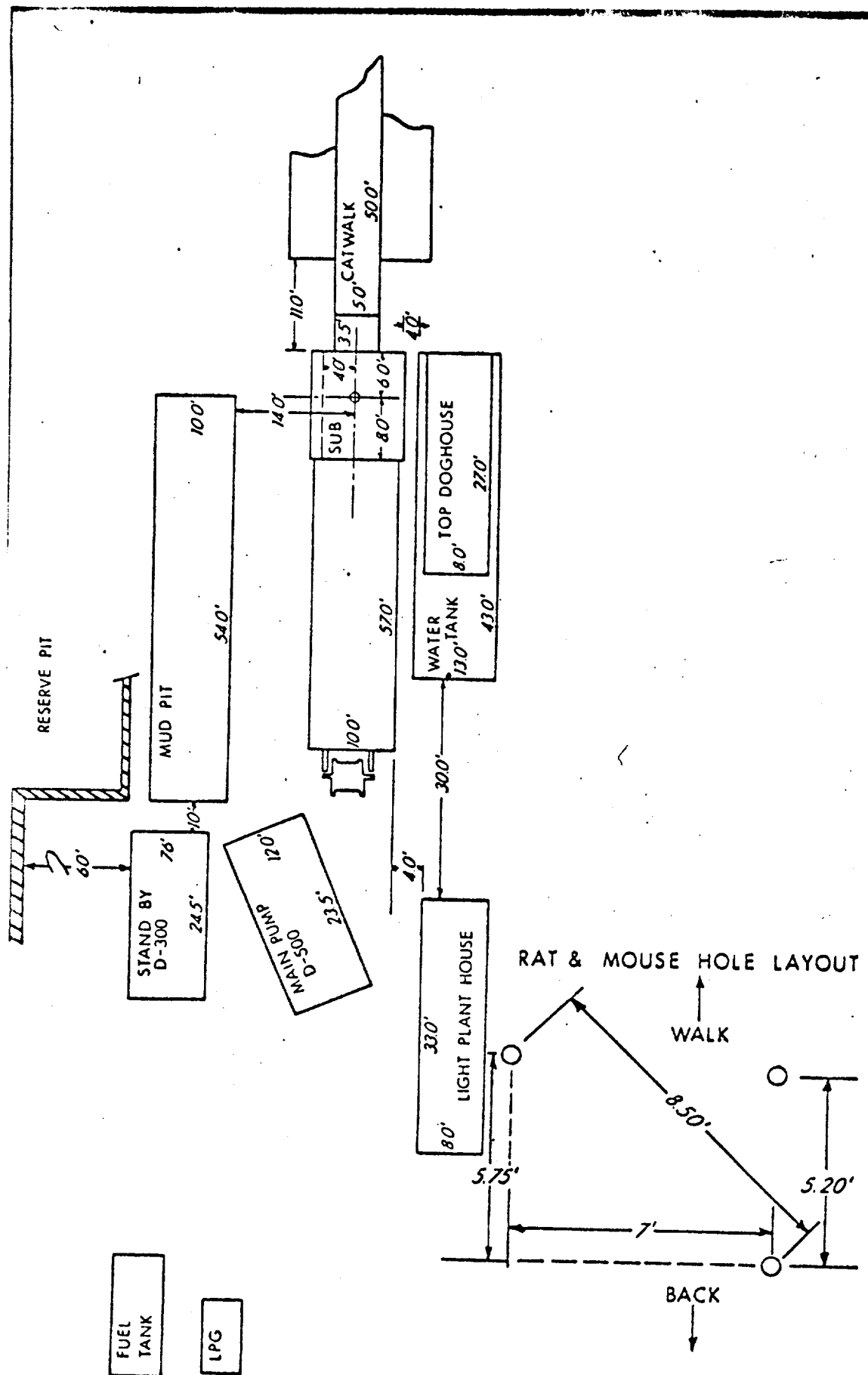
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Map 2

PROPOSED LOCATION PLAT
TRANSOCEAN #1 FEDERAL 23688
2310' FWL & 990' FSL
SECTION 26, T2N-R16W

TRANSOCEAN OIL, INC.

AUGUST 17, 1977



TITLE

LOCATION LAYOUT

RIG 12

LOFFLAND BROTHERS CO.

TULSA, OKLAHOMA

BY DAC.

DATE 9/1/77

NO. Plat 1

OPERATIONS PLAN - FEDERAL 23688 No. 1

1. Location: 2310' FWL & 990' FSL, Section 26, T2N-R16W, Catron County, New Mexico.
2. Elevation: 7097' GR.
3. Surface Formation: Late Tertiary Datil volcanic sediments.
4. Drilling Tools & Equipment: Rotary drilling rig, Loffland Rig #12.
5. Proposed Drilling Depth: 5000'.
6. Estimated Tops of Important Geological Markers:
 - T/Cretaceous - 300'
 - T/Triassic Chinle - 1860'
 - T/Permian San Andres - 2620'
 - T/Permian Glorietta - 2970'
 - T/Permian Yeso - 3180'
 - T/Permian Abo - 4410'
7. Estimated Depths for Anticipated Water, Oil, Gas, and Other Minerals: Oil and/or gas 2620', 3250', 4500'.
8. Proposed Casing Program:

<u>Depth</u>	<u>Size</u>	<u>Grade</u>	<u>Wt.</u>	<u>Hole Size</u>
40'	16"	Tin Horn		(Dry Hole Digger)
500'	9 5/8"*(New)		36#	12 1/4"
5000'	5 1/2"**(New)		15.5#	7 7/8"

*Float Eqpt. - Cement Guide Shoe

**Float Eqpt. - Cement Float Collar & Guide Shoe

9. Cement: 16" - Dry hole digger. Cement by head to surface.
 9 5/8" - Surface - 250 sx Class "C" + 2% CaCl₂ with 1#/sk gel flake (330 cu. ft. of slurry, 100% excess to circulate to surface). WOC 12 hrs. Test csg wellhead & BOP to 600#, 30 minute test.
 5 1/2" - Production - To be determined from caliper logs & productive zones.
10. Pressure Control (refer to Attachment 1):

<u>Size</u>	<u>Pressure</u>	<u>Series</u>	<u>Make</u>	<u>Number</u>
10"	3000#	900	Hydril	1
10"	3000#	900	Shaffer	double
11. Circulating Medium: Treated water and a low solids gel base mud will be used from surface to T.D.

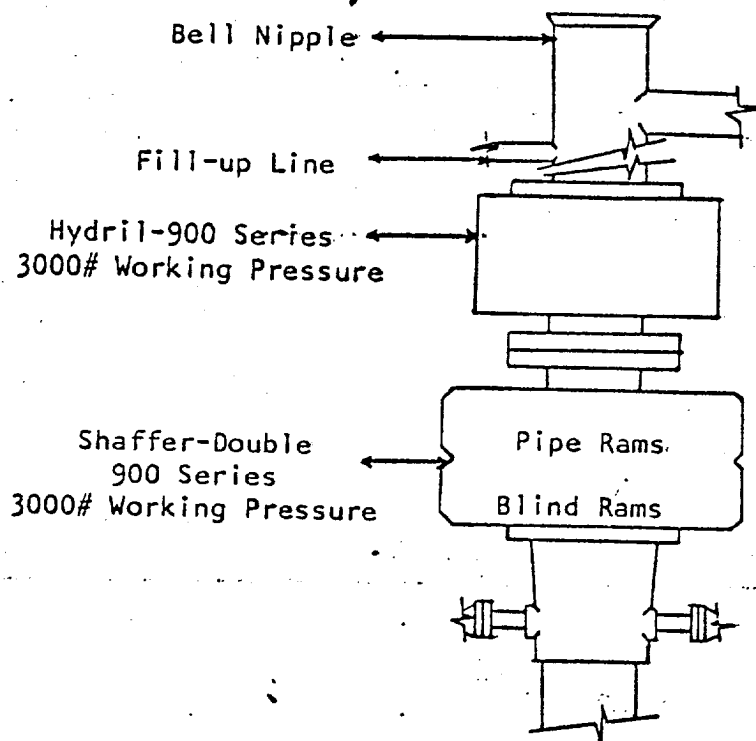
12. Testing, Logging, and Coring Programs:
Testing & coring in Permian San Andres through Abo as required.
Logs: Electric & gamma ray density with possibility of dipmeter and velocity survey at * 3180* and T.D.
13. Abnormal Pressures, Temperatures, or Hazardous Gas: None
14. Anticipated Starting Date and Duration: November 1, 1977 - Duration: 30 days.

* Base of Glorietta

Federal 23688 No. 1

BOP Equipment

Loffland Rig 12



4-289 S

ISSUE:

APPR:

DATE: 8/25/77

DWR. JMC

NO. Attachment 1