

Attachment B.

Department of the Interior OCS Orders 1 thru 12

OCS ORDERS 1 thru 12

Governing

Oil, Gas, And Sulphur Leases

In The Outer Continental Shelf

Gulf Of Mexico Area



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

Gulf Of Mexico Area

INDEX

OCS

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U N I T E D S T A
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 C O N S E R V A T I O N
 G U L F O F M E X I C O

O C S O R D E R
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M A R K I N G O F

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1 I d. e n t i f i P c a l t # o
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2. I d. e n t i f i c a t i o
 S i n g l e w e l l
 s i g n o n l y , w i

The following information shall be abbreviated as follows:
l o w i n g e x a m p l e :

" The Blank Oil Company operated
is equipped with a protection
in the East Cameron Area. "

The identifying sign on the product

" B- O.E.C. -- 68 - No. 1"

3 I d e n t i f i c a t i o n On the case and well
be painted on, or a sign affixed
where multiple completed wells
individually identified at the
signs shall be maintained

Robert Evans

Robert F. Evans
Superervisor

Approved: August 28, 1969

Russell G. Wayland

Russell G. Wayland
Chief, Conservation Division

U N I T E D S T A T E S
 D E P A R T M E N T O F T H E I N
 G E O L O G I C A L S U R V E Y
 C O N S E R V A T I O N D I V I
 G U L F O F M E X I C O A R E A

O C S O R D E R N O . 2
E f f e c t i v e A u g u s t 2 8 ,

D R I L L I N G P R O C E D U R E S O F F

This Order is established pursuant to 250.11 and in accordance with exploratory wells drilled for with the provisions of this Order which shall be drilled for oil and gas shall be drilled in accordance with the field rules have been established in accordance with the provisions of this Order, as provided for the establishment of field

Where sufficient geologic exploratory drilling, operation for the establishment of field application before more than five the field rules for existing fields wells on the date of this application to D for exploratory wells and development shall include all information required casing, cementing, mud, and well, and shall comply with the requirements specified in 30 CFR 250.12(b).

1. Well Casing shall be installed in accordance with the requirements of the application to Drill (Form 9-3) all zones which contain oil, gas, or other hydrocarbons. For the purpose of this rule, the several casing strings in a well shall be considered as one casing string. Intermediate casing shall be installed to true vertical depth (TVD).

A. Drive or ~~This casing shall be set by~~ Casing drilling, driving, or jetting to a below the Gulf floor or to such greater depth support unconsolidated deposits for initial fluid shall be a type that will not pollute quantity of cement sufficient to fill the annular space back to the Gulf floor must be used.

B. Conductor and Surface Casing - General of proper casing setting depths shall be based factors including the presence of water depths on casing strings shall be determined within the new pipe or reconditioned pipe that to verify a new condition.

(1) Conductor Casing shall be set in with the annular space back to the Gulf floor use the cement may be washed out or displaced depth of 40 feet below the Gulf floor to removal upon well abandonment.

(2) Surface Casing shall be set at a depth accordance with the table below and cement necessary to protect all fresh water well control until the next string of casing. **This casing** shall be cemented with a quantity to fill the calculated annular space to (a) 1,500 feet above the casing shoe, or (b) within below the conductor casing are any indications of improper cementing, such cement channeling, or mechanical failure a temperature or cement bond survey shall before or after remedial cementing, to aid in whether the casing is properly cemented space is not adequately cemented by the primary the operator shall either recement or squ shoe after drilling out.

(3) Conductor and Surface Casing Setting depths of casing shall be set at the depths specified in following table subject to minor variation to be set in a competent bed; provided, however, conductor casing shall be set before drilling formations known contain oil or gas or, if unknown encountering such formations strings shall be

run and cemented prior to d
 de Forh st.h os e wells which h
 conditions, the **district** engine
 tining depth within the ra
Required Setting Depth Below G

Proposed Well or Depth of First Intermediate Casing	Total Depth of First Intermediate Casing	Surface Casing	Conductor	Casing
0 - 7,000	1,52,500	0	300	800
7,000 - 9,000	1,750	3,000	400	800
9,000 - 11,000	2,250	3,500	500	900
11,000 - 13,000	3,000	4,000	600	900
13,000 - Below	3,500	4,500	700	1,000

c. I n t e r m e d i a t e setting casing required by anticipated a
 ment and the e r i n w t e e l r l m e c d o i n a d t i
 be new pipe or reconditioned pipe
 inspected to verify A a new acn d i i t i y o n . o f
 sufficient to cover and isol
 isola te a b n o r m a l p r e s s u r e
 shall be used. If a liner is used as an
 string, the cement shall be
 test to determine whether a
 larger string has been ach
 the d r w i h b h e r s u s h l l o i g n e r i s u s
 it shall be extended to the
 face casing being used as p r

D P r o d u c t i o n casing of casing
 completing the p w e o l d l u c t i o n
 be new pipe or reconditioned
 spected to v e r i f y a a h e w b e c o e n m d e i n t
 manner necessary to cover or
 hydrocarbons, but in any
 fill the annular space at l
 producible hydrocarbon zone
 as production casing, the
 top and next larger string shall
 intermediate liners.

E P r e s s u r e testing lining the
 casing strings, except the
 pressure tested as shown in the
 exceed the work i t h e s p r f e a s e u c r a s i n g

shall be tested with water in the top 100 feet of the casing. If the pressure declines more than 10% in 30 min other indication of a leak, the casing shall be paired, or an additional casing string run, and be tested again in the same manner.

Casing String Minimum Pressure Test (psi)

Conductor 200 "
 Surface 1,000
 Intermediate 500 or 0.2 psi/ft. , whichever is
 Liner 1,500 or 0.2 psi/ft. , whichever is
 Productive 500 or 0.2 psi/ft. , whichever is

After cementing any of the above strings, drilling commenced until a time lapse of:

- (1) 24 hours, or
- (2) 8 hours under pressure for conductor 12 hours under pressure for all other strings. (Cement is considered under pressure if float valves are employed and are shown in the cement in place or when other means of holding pressure is used.)

All casing pressure tests shall be recorded on the drilled

2. Blowout Prevention Equipment and related control equipment shall be tested in the well, necessary to prevent drilling below the conductor casing, blowout prevention equipment maintained ready for use until drilling operations are completed, as follows:

- A. Conductor Casing Before drilling below this string, at least one remotely controlled bag-type blowout preventer for circulating the drilling fluid to the vessel shall be installed. To avoid formation fracturing complete shut-in of the well, a large diameter valves shall be installed on the conductor out preventer so as to permit the diversion of other fluids; except that when the blowout preventer is on the Gull life line, and kill lines shall be equipped to permit the diversion of hydrocarbons and
- B. Surface Casing Before drilling below this string prevention equipment shall be installed on a minimally remotely controlled, hydraulically operated

a working pressure which exceeds the maximum anticipated pressure, including one equipped with pipe rams, one with rams, and one bag-type; (2) a drilling spool with side outlets side outlets are not provided in the blowout preventer body; (3) a choke manifold; (4) a kill line; and (5) a fill-up line.

- C. Intermediate ~~Before~~ drilling below this string the blowout prevention equipment shall include for a minimum of: motely controlled, hydraulically operated, blowout preventer a working pressure which exceeds the maximum anticipated pressure, including at least one equipped with pipe rams, blind rams, and one bag-type; (2) a drilling spool with side outlets, if side outlets are not provided in the blowout preventer body; (3) a choke manifold; (4) a kill line; and (5) a fill-up line.
- D. Testing Ram-type blowout preventers and related control assembly shall be tested with water to the rated working pressure the stack assembly or to the working pressure of the casing, whichever is the lesser, (1) when installed; (2) before drilling after each string of casing is set; (3) not less than once each week while drilling; and (4) following repairs that require disconnecting a pressure seal in the assembly. The bag-type blowout preventer shall be tested to 70 percent of the above pressure requirements.

While drill pipe is in use ram-type blowout preventers shall be actuated to test proper functioning once each trip, but in no event less than once each day. The bag-type blowout preventer shall be actuated on the drill pipe once each week. Accumulators or accumulators and pumps shall maintain a pressure capacity reserve at all times to provide for repeated operation of hydraulic preventers. A blowout prevention drill shall be conducted weekly for each drilling crew to insure that "all equipment is operational and that crews are properly trained to carry out emergency duties. All blowout preventer tests and crew drills shall be recorded on the driller's log.

- E. Other Equipment. An inside blowout preventer assembly (back pressure valve) and drill string safety valve in the open position shall be maintained on the rig floor at all times while drilling operations are being conducted. Separate valves shall be maintained on the rig floor to fit all pipe in the drill string. A Kelly cock shall be installed below the swivel, and an essentially full opening Kelly cock shall be installed at the bottom of the Kelly of such design that it can be run through the blowout preventers.
3. Mud Program - General. The characteristics, use, and testing of drilling mud and the conduct of related drilling procedures shall be

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION
GULF OF MEXICO AREA

OCS ORDER NO. 3

Effective August 28, 1969

PLUGGING AND ABANDONMENT OF WELLS

This Order is established pursuant to the authority prescribed in 250.11 and in accordance with the 30 operations 250.11 shall comply with the following minimum plugging and abandonment procedures for general application to all wells drilled for plugging and abandonment operations must not be commenced prior to from an authorized representative of the Geological Survey shall be in accordance with any 250.11 from the requirements specified in this Order must be approved pursuant to 250.12(b).

1. Permanent Abandonment.

- A. Isolation in Uncased Holes. Portions of wells, cement plugs shall be spaced to extend 100 feet below the bottom to 100 feet above the top of any oil, gas, and water zones so as to isolate them in the strata in which they are found and to prevent them from escaping into the strata.
- B. Isolation of Open Holes. Where there is an open hole (uncased and open into the casing string above) below the cement plug shall be placed in the deepest casing string (1) or (2) below, or in the event lost circulation devices exist or are anticipated, the plug may be placed in (3) below:
- (1) A cement plug placed by displacement method so as to extend a minimum of 100 feet above and 100 feet below the casing shoe.
 - (2) A cement retainer with effective back pressure control set not less than 50 feet, nor more than 100 feet, above the casing shoe with a cement plug calculated to extend at least 100 feet below the casing shoe and 50 feet above the retainer.

- (3) A permanent type bridge plug set within 150 feet above the casing shoe with 50 feet of cement on top of the bridge plug. shall be tested prior to placing subsequent plugs.
- C. Plugging or Isolation of perforated intervals shall be placed opposite all open perforations (not squeezed with cement) extending a minimum of 100 feet above and 100 feet below the perforated interval. A casing plug whichever is in lieu of the cement plug, a bridge plug set at a maximum of 150 feet above perforations with 50 feet of cement on top may be used if the perforations are isolated from the interval.
- D. Plugging of Isolation of stub and recovered casing shall be placed to extend 100 feet above and 100 feet below the stub. A cement plug 200 feet in length shall be placed to extend 100 feet above and 100 feet below the stub. A cement plug used in setting the required plug.
- E. Plugging of Non-Annular Space that extends above the Gulf floor shall be left open to drilled hole below. If this condition exists, the annulus shall be plugged with cement.
- F. Surface Plug Requirement of at least 150 feet, with the top of the plug 150 feet or less below the Gulf floor shall be placed in the smallest string of casing which is adjacent to the surface.
- G. Testing of Plug setting and location of the first plug below the top 150-foot plug, will be verified by either (1) placing a minimum pipe weight of 15,000 pounds on the plug, or (2) testing with a minimum pump pressure of 1,000 psig with more than a 10 percent pressure drop during a 15-minute test.
- H. Mud Each of the respective intervals of the hole between various plugs shall be filled with mud fluid of sufficient density to exert hydrostatic pressure exceeding the geologic formation pressure encountered while drilling such intervals.
- I. Clearance of Obstructions and piling shall be severed and removed to at least 15 feet below the Gulf floor and the location shall be dragged to clear the well site of any obstructions.
2. Temporary Abandonment of a drilling well which is to be temporarily abandoned shall be cemented as required for permanent abandonment except as required by F and I of paragraph 1 above.

When casing extends above the Gulf floor
(retrievable or permanent) shall be set in
and 200 feet below the Gulf floor.

Robert F. Evans
Robert F. Evans
Supervisor

Approved: 28, 1969

Russell G. Wayland
Russell G. Wayland
Chief, Conservation Division

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION
GULF OF MEXICO AREA

OCS ORDER NO. 4
Effective August 28, 1969

SUSPENSIONS AND DETERMINATION OF WELL PRODUCIBILITY

This Order is established pursuant to the authority prescribed in 30 CFR 250.11 and in accordance with 30 CFR 250.12(d)(1). An OCS lease provides for extension beyond its primary term for as long as oil or gas may be produced from the lease. An OCS lease may be maintained beyond the primary term, in the absence of actual production, a suspension of operations or production, or both, has been approved. An application for suspension of production for an initial period should be submitted prior to the expiration of the term of the lease. A lease supervisor may approve a suspension of production provided at least one well has been drilled on the lease and determined to be capable of being produced in paying quantities. The temporary or permanent abandonment of a well will preclude approval of a suspension of production as provided in 30 CFR 250.12(d)(1). Any departures from the requirements specified in this Order must be approved pursuant to 30 CFR 250.12(b).

A well may be determined to be capable of producing in paying quantities when the requirements of either 1 or 2 below have been met.

1. Production Tests.

- A. Oil Wells. A production test of at least two hours duration following stabilization, is required.
- B. Gas Wells. A deliverability test of at least two hours duration following stabilization, or a four-point back-pressure test, is required.
- C. Witnessing and Results. Tests must be witnessed by an authorized representative of the Geological Survey. Tests may be accompanied by operator's affidavit, or third-party witness. A witnessed test provided prior to approval is obtained from the appropriate district office. Results of the witnessed or accepted test must justify a determination that the well is capable of producing in paying quantities.

2. Production Capability for dete should be submitted in time to p dete rmi aastei onf. urgency, dete or atlh è y following may be consid a well is capable of producing in payin

A An induction-electric log of of **15 feet** of producible sand in one s clude any interval wAhli c hof appea the section counted as produc p r o p e r t i e s :

(1) Electrical spontaneous pote millivolts bey b f d m t d e c s m a l i e t prevent a 20 negative millivo base line, a gamma ray log def cent of the maximum gamma ray clean water bearing sand may be sub

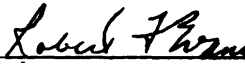
(2) A minimum true resistivity rat to the nearest clean water sand of the **producible section** exhibits a minimum 2.0 ohm-meters.

(3) A porosity log indicating porosity in tion.

B. Sidewall cores and core analysis whic tion is producible.

C. A wire line formation test or evidence that to obtain s ~~the test~~ results must indica section is producible.

D. All logs run must support other evidenc producible.


Robert F. Evans
Supervisor

Approved: August 28, 1969


Russell G. Wayland
Chief, Conservation Division

A. New Well tubing installations in wells December 1, 1972, shall be equipped with a surface- or other remotely controlled subsurface safety device; pr wells with a shut-in tubing pressure of shall be equipped with a subsurface device in lieu of a surface- or other r surface safety device unless a surface- or trolled subsurface safety device is a **the shut-in tubing pressure** declines below 4,000 psig or other remotely controlled subsurface sa installed when the tubing is first remo

B. Existing Well tubing installations in well the date of this Order shall be equipped with other remotely controlled subsurface s tubing is first removed and reins9t7a2l;le provided, that wells with a shut-in tub or greater shall be equipped with a s surface safety device in lieu of a surface- controlled subsurface safety device unless remotely controlled subsurface safety device **quired. When the shut-in tubing pressure** declines below 4,000 psig, a surface- or other remotely controlled subs device shall be installed when the tubing is first re installed.

Tubing installations in existing wells completed f well and multi-well satellite caissons or jackets and sea-completions may be equipped with a subsurface-cont surface safety device, in lieu of a surface- or other remo controlled subsurface safety device, upon applica cation, and approval.

c. Shut-in Well tubing plug shall be installed in lieu of, or in addition to, other subsurface safety devices if a been shut in for a period of six (6) months. Such plugs s be set at a depth of 100 feet or more below the sea floor. retrievable plugs installed after the date of this Order be of the pump-through type perforated and completed, but not placed on production, shall be equipped with a safety device or tubing plug within two (2) days after tion.

D. Injection Well surface safety devices as required in su paragraphs A and B above shall be installed in all inje wells unless, after application and justification, it is mined that the well is incapable of flowing oil or gas, whi condition shall be verified annually.

notice, for a routine operation which does not require a Sundry Notice and Report on Wells (Form 9-331) for a well to exceed fifteen (15) days. It shall be clearly stated on the notice that the well shall be clearly attended while the operations are in progress and that the provisions of this paragraph are not applicable to the test in paragraph 3 above.

5. Additional Provisions after the date of this order which require a retrievable subsurface safety device is to be equipped with a landing nipple, with flow control equipment above and below, to provide subsurface wellbore integrity which a subsurface safety device or tubing plug is installed shall be an annulus packed off above the uppermost open hole. The control system for all surface-conveyance devices shall be an integral part of the platform or of an independent remote shut-in system.
6. Departure All departures (or waivers) approved under this Order are hereby terminated as of December 1, 1972, and new applications are submitted prior to that date. Such new applications will be considered for approval pursuant to 250.12(b) and the requirements of this Order. All applications for departures shall include a detailed statement of the well conditions, efforts made to overcome any difficulties, and terminate safety measures.
7. Emergency All tubing installations open to hydrocarbon bearing zones and not equipped with a subsurface safety device shall be clearly identified as not being equipped, and a subsurface safety device or tubing plug shall be available at the field location. In the event of an emergency, such as an impending hurricane, such device or plug shall be promptly installed within the limits of practicability, consideration being given to personnel safety.
8. Records The operator shall maintain the following records for a minimum period of one year for each subsurface safety device or tubing plug installed, which records shall be available to an authorized representative of the Geological Survey.
 - A. Field Records Individual well records shall be maintained at or near the field and shall include, as a minimum, the following information:
 - (1) A record which will give design and other information, i.e., make, model, type, spacers, bean and spring pressure, etc.

- (2) Verification of qualifications of person in charge of installing the device and installation
- (3) Verification of setting depth and all as required in this order.
- (4) Removal date, reason for removal, and
- (5) A record of all modifications of design
- (6) All mechanical failures or malfunctions, including sand-cutting, of such devices, with notation as to cause probable cause.
- (7) Verification that a failure report was

B. Other The following records, as a minimum maintained at the operator's office:

- (1) Verified design information of subsurface-control surface safety devices for the individual well.
- (2) Verification of assembly and installation according to design information.
- (3) All failure reports.
- (4) All laboratory analysis reports of failed or damaged parts
- (5) Quarterly failure-analysis report.

9. Report Well completion reports (Form 9-330) and any subsequent reports of workover (Form 9-331) shall include the type and depth of the subsurface safety devices and tubing plugs in the well or indicate that a departure has been granted.

To establish a failure-reporting and corrective-action program for reliability and quality control, each operator shall submit a quarterly failure-analysis report to the office of the Supervisor, identifying mechanical failures by lease and well and model, cause or probable cause of failure, and action taken to correct the failure. The reporting period shall begin the first day of the month following the date of reports.

shall be submitted by February 28, May 3
for the periods ending January 31, April
of each year.


Robert F. Evans
Robert F. Evans
Supervisor

Approved, June 5, 1972


Russell G. Wayland
Russell G. Wayland
Chief, Conservation Division

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION
GULF OF MEXICO AREA

OCS ORDER NO. 6
Effective August 28, 1969

COMPLETION OF OIL AND GAS WELLS

This Order is established pursuant to 250.11 and in accordance with 30 CFR Any 25d.22 partures from requirements specified in this Order must be approved pursuant to 250.12 (b).

1 Wellhead Equipment and Testing

A. Wellhead Equipment Any wells completed shall with casing heads, wellhead fittings with a rated working pressure equal to surface shut-in pressure. Connections taken between any two strings of casing master valves shall be installed on the tubing in wells with a strength in excess of five thousand pounds per square inch. Connections shall be assembled and tested, by a fluid pressure which shall be equal to test pressure of the fitting to be installed.

B. Testing Procedure Any wells showing sustained leakage from the casinghead, or leaking gas or oil between casing and the next larger casing string, shall be killed with mud and pump pressure applied. Shut-in pressure at the casinghead reflect the applied pressure. If corrective measures have been taken, the casing shall be tested under the same conditions. The testing procedure shall be as determined otherwise.

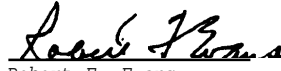
2. Storm Check All wells shall meet the requirements described in OCS Order No. 5

3. Procedures for Multiple or Tubingless Completions.A. Multiple Completions.


- (1) Information shall be submitted on, or attached to, Form 9-331 showing top and bottom of all zones proposed for completion or alternate completion, including a partial electric log and a diagrammatic sketch showing **such zones** and equipment to be used.
- (2) When zones approved for multiple completion become intercommunicated the lessee shall immediately repair and separate the zones after approval is obtained.

B. Tubingless Completions.

- (1) All tubing strings in a multiple completed well shall be run **to the same depth** below the **deepest** producible zone.
- (2) The tubing string (s) shall be new pipe and cemented with a sufficient volume to extend a minimum of 500 feet **above** the uppermost producible zone.
- (3) A temperature or cement bond log shall be run in all tubingless completion wells where **lost** circulation or other unusual circumstances occur during the cementing operations.
- (4) "Information shall be submitted on, or attached to, Form 9-331 **showing the top and bottom** of all zones proposed for completion or alternate completion, including a partial electric log and a diagrammatic sketch **showing such zones and equipment to be used.**"


 Robert F. Evans
 Supervisor

Approved: August 28, 1969


 Russell G. Wayland
 Chief Conservation Division

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION
GULF OF MEXICO AREA

OCS 7 ORDER NO.
E f f e c t i v e August 28, 1969

P O L L U T I O N A N D W A S T E D I

This Order established pursuant to 250.11 and in accordance with 30 CFR 250.11 as follows:

- (a) The lessee shall not pollute laquatic life of the sea or and damage any mineral- or lessee shall dispose of all liquid materials as prescribed by the leakage of oil or waste materials shall be lessee and, upon request of the supervisor to his spills or leakage of a quantity, as defined by the supervisor or quantity which cannot be immediately reported by the lessee without delay to the Coast Guard and the Regional Water Pollution Control Administrator of oil or waste materials of a size or quantity the designee under the pollution be reported by the lessee without
- (b) If the waters of the sea are polluted by operations conducted by or such pollution damages or threatened life, or public or private property of the pollutant, wheresoever from shall be at the expense of the lessee to control and remove the cooperation with other appropriate and local governments, or in cooperation shall have the right to accomplish pollutant in accordance with any combating oil spills or by other means at the cost of the lessee. Such action shall not relieve the provided herein.

(3) The operator's personnel shall be thorough in the techniques of equipment maintenance and for the prevention of pollution. Non shall be informed in writing, prior to tracts, of the operators obligations to prevent pollution.

2. Inspections and Reporting shall comply with the following pollution inspection and reporting

A. Pollution .

(1) Manned facilities shall be inspected daily.

(2) Unattended facilities, including those with remote control and monitoring systems, shall be inspected at frequent intervals. The engineer may prescribe the frequency of inspections for

B. Pollution Reports .

(1) All spills or leakage of oil and liquid pollutants shall be recorded showing the cause, size of spill taken, and the record shall be maintained for inspection by the supervisor. All spills of less than 15 barrels shall be reported to the engineer when requested by him.

(2) All spills or leakage of oil and liquid pollutants to 50 barrels shall be reported orally to the engineer without delay and shall be confirmed in writing.

(3) All spills or leakage of oil and liquid pollutants of substantial size or quantity, which is less than 50 barrels, and those of any size or quantity which cannot be immediately controlled, shall be reported orally without delay to the supervisor, the engineer, the Coast Guard, and the Regional Federal Water Pollution Control Administration. All reports shall be confirmed in writing.

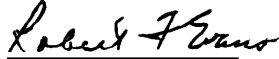
(4) Operators shall notify each other upon observation of equipment malfunction or pollution during another operation.

3. Control and Removal .

A. Corrective Action . Corrective action shall be taken in all cases where pollution has occurred. Each operator shall have an emergency plan for initiating corrective

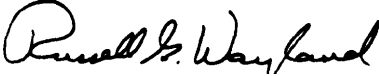
to control and remove pollution and such plan shall be with the supervisory action taken under the plan shall be subject to modification when directed by supervisor.

B Equipment Standby pollution control equipment shall be maintained by or shall be immediately available to each at a land base. This equipment shall include containment booms, skimming apparatus, and approved chemicals and shall be available prior to the commencement of operations. The equipments shall be regularly inspected and maintained in good condition. The equipment and the location of land bases shall be approved by the supervisor. The operator shall notify the supervisor of the location which such equipment is located for operations conducted for each base. Changes in location and equipment maintained at each location shall be approved by the supervisor.



Robert F. Evans
Supervisor

Approved: August 28, 1969



Russell G. Wayland
Chief, Conservation Division

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION
GULF OF MEXICO AREA

OCS ORDER NO. 8
Effective October 30, 1970

PLATFORMS AND STRUCTURES

This Order is established pursuant to the a
250.11 and in accordance with 30 CFR 125(a).19 (a)
as follows:

(a) The Supervisor is authorized to approve
features, and plan of installation of a.
structures, and artificial islands as a
granting of a right of use or easement u
and (b) of Section 250.18 or authorized
issued or maintained under the Act.
The operator shall be responsible for com
this Order in the installation and operation of all platforms,
mobile structures, and artificial islands, including all
stalled on a platform or structure whether or not operated or
operatany. departures from the requirements specified in this
must be approved pursuant to 30 CFR 250.12(b).

1. The following requirements are applicable to all pla
and installed subsequent to the effective date of this
to all platforms when structural and equipment modifica
to be made:

A. General Design design of platforms, fixed structures
and artificial islands shall include consideration
factors as water depth, surface and subsurface soil
tions, wave and current forces, total equipment
weight, and other pertinent geological, geographi
ment and operational conditions.

B. Application The operator shall submit, in duplicate, the
following to the appropriate District Office for appro

- (1) Design Formation relative to design featur
on an 8¹⁰ 1/2" plat or plats showing the platform dimen
sions, plan and two elevations, number and locatio
well slots, and water depth, the plat shall
include:

- (a) Nominal size and thickness range of
- (b) Nominal size and thickness of
- (c) Nominal size and thickness range of
- (d) Design piling penetration.
- (e) Maximum bearing and lateral load per
- (f) Identification data which shall be block number, area, and operator.
- (g) The following certification signed title of the company representative:

Operator certifies that this platform has been certified by a registered professional engineer and that the structure be constructed, operated, and maintained as described in the application, and approved modification thereto. Plans are on file at.
- (2) Non-design Information relative to non-design features including the following:
 - (a) Primary use intended, including drilling, production of oil and gas, sulphur, or salt.
 - (b) Personnel and personnel transfer facilities including living quarters, boat landings, and heliport.
 - (c) Type of deck, such as steel or wood, and whether coated with protective material.
 - (d) Method of protection from corrosion.
 - (e) Production facilities including separators, treaters, storage tanks, compressors, line pumps, and metering devices, except that when initially designed and utilized for drilling, this information may be submitted prior to installation.
 - (f) Safety and pollution control equipment and features.
 - (g) Other information when required.
- c. Certified Design structural plans certified by a registered professional engineer shall be on file and maintained by the operator or his designee.

2. S a f e t y a n d P o l l u t i o n C o n t r o l E

A. The following requirements shall be maintained in an operating condition vessels and water separation and separation tanks shall submit records to the semi-annually showing the performance of each device including date of testing, repairing, adjustment

(1) The following shut-in devices shall be equipped with high and low pressure shut-in sensors, flare line, and relief valve shut-in controls, and unless determined to be otherwise

(a) All separators shall be equipped with high and low pressure shut-in sensors, flare line, and relief valve shut-in controls, and unless determined to be otherwise

(b) All pressure surge tanks shall be equipped with high and low pressure shut-in sensors, flare line, and relief valve shut-in controls, and unless determined to be otherwise

(c) Atmospheric surge tanks shall be equipped with high and low pressure shut-in sensors, flare line, and relief valve shut-in controls, and unless determined to be otherwise

(d) All other hydrocarbon handling vessels shall be equipped with high and low pressure shut-in sensors, flare line, and relief valve shut-in controls, and unless determined to be otherwise

(e) Pilot-operated pressure relief valves shall be equipped to permit testing with an external pressure source. Spring-loaded pressure relief valves shall either be bench-tested or equipped to permit testing with an external pressure source. A relief valve shall be set no higher than the designed working pressure of the vessel. The high pressure shut-in sensor shall be set no higher than 5% below the rated or designed working pressure and the low pressure shut-in sensor shall be set no lower than 10% below the lowest pressure in the operating pressure range on all vessels with a rated or designed working pressure of more than 400 psi. On lower pressure vessels the

above percentages shall be used as guidelines for sensor settings considering pressure and operating conditions involved; except that sensor settings shall not be within 5 psi of the rated or designed working pressure or the lowest pressure in the operating pressure range.

- (f) All sensors shall be equipped to permit testing with an external pressure source.
 - (g) All flare lines shall be equipped with a scrubber or similar separation equipment.
- (2) The following remote and local automatic shut-in devices shall be installed and maintained in an operating condition at all times when the affected well (or wells) is producing. The operator shall submit records to the appropriate District Office semi-annually showing the present status and past history of each such device including dates and details of inspection, testing, reworking, adjustment, and reinstallation.
- (a) All wellhead assemblies shall be equipped with an automatic fail-close valve. Automatic safety valves temporarily out of service shall be flagged.
 - (b) All flowlines from wellheads shall be equipped with high-low pressure sensors located close to the wellhead. The pressure sensors shall be set to activate the wellhead valve in the event of abnormal pressure in the flowline.
 - (c) All headers shall be equipped with check valves on the individual flowlines. The flowline and valves from each well located upstream of, and including, the header valves shall withstand the shut-in pressure of that well, unless protected by a relief valve with connections to bypass the header. There is an inlet valve to a separator, the valve, flowline, and all equipment upstream of the valve shall also withstand shut-in wellhead pressure, unless protected by a relief valve with connections to bypass the header.
 - (d) All pneumatic shut-in control lines shall be equipped with fusible material at strategic points.
 - (e) Remote shut-in controls shall be located on the helicopter deck and all exit stairway landings, including

at least one on each ~~best~~ ~~These~~ ~~controls~~ shall be quick-opening valves.

- (f) All pressure sensors shall be tested for proper pressure settings monthly for at least four months. At such time as the monthly results are consistent, a quarterly test shall be required for at least one year. If these results are consistent, longer period of time between testing may then be approved by the Supervisor. In the event any testing sequence reveals inconsistent results, the monthly testing sequence shall be reinstated. Results of all tests shall be recorded and maintained in the field.
- (g) All automatic wellhead safety valves shall be tested for ~~operation~~ ~~At deck~~ ~~automatic wellhead safety valves shall be tested~~ ~~pressure~~ ~~holding~~ ~~monthly~~. If these results are consistent, a longer period of time between pressure tests, not to exceed quarterly, may then be approved by the Supervisor. In the event that any pressure testing sequence, exceeding monthly reveals inconsistent results, the monthly testing sequence shall be reinstated. Results of all tests shall be recorded and maintained in the field.
- (h) Check valves shall be tested for holding pressure monthly for at least four months. At such time as the monthly results are satisfactory, a quarterly test shall be required for at least one year. If these results are consistent, a longer period of time between testing may then be approved by the Supervisor. In the event any testing sequence reveals inconsistent results, the monthly testing sequence shall be reinstated. Results of all tests shall be recorded and maintained in the field.
- (i) A complete testing and inspection of the safety system shall be witnessed by Geological Survey representatives at the time production is commenced. Thereafter, the operator shall arrange for a test every six months. The test shall be conducted when it can be witnessed by Geological Survey representatives.
- (j) A standard procedure for testing of safety equipment shall be prepared and posted in a prominent place on the platform.
- (3) Curbs, gutters, and drains shall be constructed in all deck areas in a manner necessary to collect all contaminants, unless drip pans or equivalent are placed under

equipment and piped to a sump which will automatically maintain the oil at a level sufficient to prevent discharge of oil into the Gulf of Mexico. These systems shall not permit spilled oil to flow into the ellhead area.

- (4) An auxiliary electrical power supply shall be installed to provide emergency power capable of operating all electrical equipment required to maintain safety of operation in the event the primary electrical power supply fails.
- (5) The following requirements shall apply to the handling and disposal of all produced waste water discharged into the Gulf of Mexico:
- (a) The disposal of waste water other than into the Gulf waters shall have the method and location approved by the Supervisor.
 - (a) Water discharged shall not create conditions which will adversely affect the public health or the use of the waters for the propagation of aquatic life, recreation, navigation, or other legitimate uses.
 - (b) Waste water disposal systems shall be designed and maintained to reduce the oil content of the disposed water to an average of not more than fifty ppm. An effluent sampling station shall be located at a point prior to discharge into the receiving waters where a representative sample of the treated effluent can be obtained. One day each month four effluent samples shall be taken within a 24-hour period and determinations shall be made on the temperature, suspended solids, settleable solids, pH, total oil content, and volume of sample. Samples shall be taken and all analyses for oil content shall be performed in accordance with the American Society for Testing and Materials test "Oil & Matter in Industrial Waste Water". The Supervisor may approve different methods for determination of oil content if the method to be used is indicated to be no less efficient containing in excess of one hundred ppm of total oil content shall be discharged into the Gulf of Mexico. A written report of the results shall be furnished to the Regional Office annually. The report shall contain dates, time and location of sample, volumes of waste discharge on the date of sampling in barrels per day, and the results of the specific analysis and physical observations.

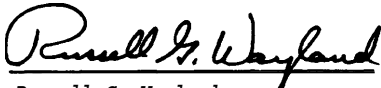
- (6) A firefighting system shall be installed and maintained in an operating condition in accordance with the following:
- (a) A fixed automatic water spray system shall be installed in all inadequately ventilated wellhead areas as these areas are defined in Paragraph 9 API RP 500A. These systems shall be installed in accordance with the most current edition of National Fire Protection Association's Pamphlet No. 15.
 - (b) A firewater system of rigid pipe with fire hose stations shall be installed and may include a fixed water spray system. Such a system shall be installed in a manner necessary to provide needed protection in areas where production handling equipment is located. A firefighting system using chemicals may be considered for installation in certain platform areas in lieu of a firewater system in that area, if determined to provide equivalent fire protection control.
 - (c) Pumps for the firewater systems shall be inspected and test-operated weekly. A record of the tests shall be maintained in the field and submitted semi-annually to the appropriate District Office. An alternate fuel or power source shall be installed to provide continued pump operation during platform shutdown unless an alternate firefighting system is provided.
 - (d) Portable "fire extinguishers shall be located in the living" quarters and in other strategic areas.
 - (e) A diagram of the firefighting system showing the location of all equipment shall be posted in a prominent place on the platform and a copy submitted to the appropriate District Office.
- (7) An automatic gas detector and alarm system shall be installed and maintained in an operating condition in accordance with the following:
- (a) Gas detection systems shall be installed in all enclosed areas containing gas handling facilities or equipment and in other enclosed areas which are classified as hazardous areas as defined in API RP 500 and the most current edition of the National Electric Code.

- (b) All gas detection systems shall be capable of continuously monitoring for the presence in the areas in which the detection device is located.
- (c) The central control shall be capable of sounding an alarm at some point below the lower level of 1.3% as shown in the Bureau of Mines Bulletin No. 573. This low level shall be for alarm only.
- (d) A high level setting of not more than 4.9% shall be used for shut-in sequences and the operation of emergency equipment.
- (e) An application for the installation of any gas detection system shall be filed with the appropriate District Office for a permit. The application shall include the following:
 - (i) Type, location, and number of detection heads.
 - (ii) Cycling, noncycling, and frequency of cycling.
 - (iii) Type and kind of alarm including equipment to be activated.
 - (iv) Method used for detection of combustible gas.
 - (v) Method and frequency of calibration.
 - (vi) A diagram of the gas detection system.
 - (vii) Other pertinent information.
- (f) A diagram of the gas detection system showing the location of all gas detection points shall be posted in a prominent place on the platform.
- (8) The following requirements shall be applicable to all electrical equipment and systems installed:
 - (a) All engines shall be equipped with low-tension ignition systems containing rigid connections and wiring which shall prevent the release of sufficient electrical energy under normal or abnormal conditions to cause ignition of a combustible mixture.

- (b) All electrical generators, motors, and lightin
tems shall be installed, protected, and maint
accordance with the most current edition of the
National Electric Code and API RF 500A and B, as
appropriate.
- (c) Marine-armor ~~and metal~~ ~~able~~ cable may be sub-
stituted for ~~wire~~ ~~in~~ any area.
- (9) Sewage disposal systems shall reinstalled and us
cases where sewage is discharged into the Gulf of M
Sewage is defined as human body wastes and the wa
toilets and other receptacles intended to receiv
body wastes. Following sewage treatment, the effluent
shall contain 50 ppm or less of biochemical oxygen
(BOD), 150 ppm or less of suspended solids, and sh
a minimum chlorine residual of 1.0 mg/liter after
mum retention time of fifteen minutes.
- B. B. The requirements ~~sub~~ paragraphs 2.A(3), (4), (8), and (9)
shall apply to all mobile drilling structures used to conduct
drilling or workover operations on Federal leases in
of Mexico.


Robert F. Evans
Supervisor

Approved: October 30, 1970


Russell G. Wayland
Chief, Conservation Division

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION
GULF OF MEXICO AREA

OCS ORDER NO. 9
Effective October 30, 1970

OIL AND GAS PIPELINES

This Order is established pursuant to the authority prescribed in Section 250.11 and in accordance with 30 CFR 250.19(b). Section 250.12(b) provides as follows:

- (b) The Supervisor is authorized to approve the design, features, and plan of installation of all pipelines which a right of use or easement has been granted under Paragraph (c) of Section 250.18 or authorized under lease issued or maintained under the Act, including those portions of such lines which extend onto or traverse areas other than the Outer Continental Shelf.

The operator shall comply with the following requirements. Any departures from the requirements specified in this Order must be approved pursuant to 30 CFR 250.12(b).

1. General Design. All pipelines shall be designed and maintained in accordance with the following:
 - A. The operator shall be responsible for the installation of the following control devices on all oil and gas pipelines connected to a platform including pipelines which are not operated or owned by the operator. Operators of platforms installed prior to the effective date of this Order shall comply with the requirements of subparagraphs (1) and (2) within six months of the effective date of this Order. The operator shall submit records semi-annually showing the present status and past history of each device, including dates and details of inspection, testing, repairing, adjustment, and reinstallation.
 - (1) All oil and gas pipelines leaving a platform receiving production from the platform shall be equipped with a high-low pressure sensor to directly or indirectly shut-in the wells on the platform.

b

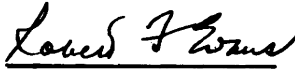
- (2) (a) All oil and gas pipelines delivering production from production facilities on a platform shall be equipped with an automatic shut-in valve connected to the platform's automatic and remote shut-in system.
- (b) All oil and gas pipelines coming onto a platform shall be equipped with a check valve to avoid backflow.
- (c) Any oil or gas pipelines crossing a platform which do not deliver production to the platform, but which may or may not receive production from the platform, shall be equipped with high-low pressure sensors to activate an automatic shut-in valve to be located in the upstream portion of the pipeline at the platform. The automatic shut-in valve shall be connected to either the platform automatic and remote shut-in system or an independent remote shut-in system.
- (d) All pipeline pumps shall be equipped with high-pressure shut-in devices.
- B. All pipelines shall be protected from loss of metal by corrosion that would endanger the strength and safety of the pipeline, either by providing extra metal for corrosion allowance or some means of preventing loss of metal such as protective coatings or cathodic protection.
- C. All pipelines shall be installed and maintained to be suitable for trawling operations and other uses.
- D. All pipelines shall be hydrostatically tested to 1.25 times the designed working pressure for a minimum of 2 hours prior to placing the line in service.
- E. All pipelines shall be maintained in good operating condition at all times and inspected monthly for indication of leaks using aircraft, floating equipment or other methods. Records of these inspections including the date, methods, and results of each inspection shall be maintained by the pipeline operator and submitted annually. The pipeline operator shall submit records indicating the cause, effect, and remedial action taken regarding all pipeline leaks within one week following each such occurrence.
- F. All pipelines shall be designed to be protected against erosion, currents, storm scouring, and other environmental factors.

2. Application. The operator shall submit in duplicate the following to the Supervisor for approval:

- A. Drawing on 8" ~~plate~~ or plats showing the major features and other pertinent data ~~including~~ (1) ~~width~~ depth, (2) route, (3) location, (4) length, (5) connecting facilities, (6) and (7, burial depth, if buried.
- B. A schematic drawing showing the following pipeline ~~s~~ equipment and the manner in which the equipment function (1) High-low pressure ~~stations~~ shut-in valves, and (3) check valves.
- c. General information ~~the pipeline~~ including the following:

- (1) Product or products ~~transported~~ by the pipeline.
- (2) Size, weight, and grade of the pipe.
- (3) Length of line.
- (4) Maximum water depth.
- (5) Type or types of corrosion protection.
- (6) Description of protective coating.
- (7) Bulk specific gravity of line (with the line empty).
- (8) Anticipated gravity or density of the product or products.
- (9) Design working pressure and capacity.
- (10) Maximum working pressure and capacity.
- (11) Hydrostatic pressure and hold time to which the line will be tested after installation.
- (12) Size and location of pumps and prime movers.
- (13) Any other pertinent information as the Supervisor -My prescribe.

3. Completion ~~The~~ operator shall notify the Supervisor when installation of the pipeline is completed and submit a drawing 8" x 10½" plats showing the location of the line as installed, accompanied by all hydrostatic test data including pressure, hold time, and results.



Robert F. Evans
Supervisor

Approved October 30, 1970



Russell G. Wayland
Chief, Conservation Division

- c. Caprock Casing This casing shall be set at the top of the caprock and be cemented with a quantity of cement sufficient to fill the annular space back to the Gulf floor. Stage cementing or other cementing method shall be used to insure cement returns to the Gulf floor.

Blowout Prevention Equipment preventers and related well control equipment shall be installed, used, and tested in a manner necessary to prevent a blowout or drilling below the conductor casing, blowout prevention equipment shall be installed and maintained ready for use until drilling operations are completed as follows :

- A. Conductor Before drilling below this string, at least one remotely controlled bag-type blowout preventer and equipment for circulating the drilling fluid to the drilling structure or vessel shall be installed. To insure fracture prevention from complete shut-in of the well, a large diameter with control valves shall be installed on the conductor casing below the blowout preventer so as to permit the diversion of hydrocarbons and other fluids; except that when the blowout preventer assembly is on the Gulf floor, the choke and kill lines shall be equipped to permit the diversion of hydrocarbons and other fluids.
- B. Caprock Casing. Before drilling below this string, the blowout prevention equipment shall include a minimum of: (1) three remotely controlled, hydraulically operated, blowout preventers with a working pressure which exceeds the maximum anticipated surface pressure, including one equipped with pipe rams, one with blind rams, and one bag-type; (2) a drilling spool with side outlets, if side outlets are not provided in the blowout preventer body; (3) a choke manifold; (4) a kill line; and (5) a fill-up line.
- c. Testing. Ram-type blowout preventers and related control equipment shall be tested with water to the rated working pressure of the stack assembly, or to the working pressure of the casing, whichever is the lesser, (1) when installed; (2) before drilling out after each string of casing is set; (3) not less than once each week while drilling; and (4) following repairs that require disconnecting a pressure seal in the assembly. The bag-type blowout preventer shall be tested to 70 percent of the above pressure requirements.

While drill pipe is in use ram-type blowout preventers shall be actuated to test proper functioning once each day. The bag-type blowout preventer shall be actuated on the drill pipe once each week. Accumulators or accumulators and pumps shall maintain a pressure capacity reserve at all times to provide for repeated

operation of hydraulic blowout prevention drill shall be conducted weekly for each drilling crew to insure all equipment is operational and that crews are properly trained to carry out emergency blowout prevention tests and crew drills shall be recorded on the driller's log.

- D. Other Equipment - Blowout prevention string safety valve in the open position shall be maintained on the rig floor at all times during drilling operations are being conducted. Separate pipe shall be maintained on the rig floor to fit all pipe in the drill string. Kelly cock shall be installed below the swivel.
3. Mud Program - General characteristics, use, and testing of drilling mud and the conduct of related drilling procedures shall be such as are necessary to prevent the blowout of any well. Quantities of mud materials sufficient to insure well control shall be maintained readily accessible for use at all times. Drilling mud control and testing equipment requirements are applicable to operations conducted prior to drilling below the casing.
- A. Mud Control - Before starting out of the hole with drill pipe the mud shall be circulated with the drill pipe just off bottom until the mud is properly conditioned. When coming out of the hole with drill pipe, the annulus shall be filled with mud before the mud level drops below 100 feet, and a mechanical device for measuring the amount of mud required to fill the hole shall be used. The volume of mud required to fill the hole shall be watched, and any time there is an indication of gas, oil, or influx of formation fluids, the drill pipe shall be run to bottom, and the mud properly conditioned. The mud shall not be circulated and conditioned except on or near the bottom unless well conditions prevent running the pipe to bottom.
- B. Mud Testing and Equipment - Testing equipment shall be maintained on the drilling platform at all times, and testing shall be performed daily, or more frequently as conditions warrant.

The following mud system monitoring equipment must be provided (with derrick floor indicators) and used throughout the duration of drilling after setting and cementing the conductor casing:

- (1) Recording mud pit level indicator to determine mud pit volume gains and losses. This indicator shall include a visual or audio warning device.
- (2) Mud volume measuring device for accurately determining mud volumes required to fill the hole on trips.

- (3) Mud return indicator to determine that returns equal the pump discharge rate.

Robert F. Evans

Robert F. Evans
Supervisor

Approved August 28, 1969

Russell B. Wayland

Russell B. Wayland
Chief, Conservation Division

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION
GULF OF MEXICO AREA

OCS ORDER NO. 11
Effective May 1, 1974

OIL AND GAS PRODUCTION RATES, PREVENTION OF WASTE,
AND PROTECTION OF CORRELATIVE RIGHTS

This Order is established pursuant to the authority prescribed in 30 CFR 250.1, 30 CFR 250.11, and in accordance with all other provisions of 30 CFR ~~Part 250~~, notice appearing in the Federal Register, dated December 5, 1970 (35 F.R. 18559), to provide for the prevention of waste and conservation of the natural resources of the Outer Continental Shelf, and the protection of correlative rights. This Order shall be applicable to all oil and gas wells on Federal land in the Outer Continental Shelf of the Gulf of Mexico; provided that it shall not apply to oil and gas wells on a lease of which the land lies within the disputed area referred to in paragraph 4 of the Supplemental Decree of December 20, 1971, in United States vs. Louisiana, et al., 404 U.S. 388 (1971). All departures from the requirements specified in this Order shall be subject to approval pursuant to 30 CFR 250.12(b). References in this Order to approvals, determinations, and requirements for submittal of information or applications for approval are to those granted, made, or required by the Oil and Gas Supervisor or his delegated representative.

1. Definition of Terms. As used in this Order, the following terms shall have the meanings indicated:
 - A. Waste of Oil and Gas. The definition of waste appearing in 30 CFR 250.2(h) shall apply, and includes the failure to timely initiate enhanced recovery operations where such methods would result in an increase: ultimate recovery of oil or gas under sound engineering and economic principles. Enhanced recovery operations refers to pressure maintenance operations, secondary and tertiary recovery, cycling, and similar recovery operations which alter the natural forces in a reservoir to increase the ultimate recovery of oil or gas.
 - B. Correlative Rights. The opportunity afforded each lessee or operator to produce without waste his just and equitable share of oil and gas from a common source of supply.

- c. Maximum Efficient Rate ~~(the)~~ maximum sustainable daily oil or gas withdrawal rate from a reservoir which will permit economic development and depletion of that reservoir without detriment to ultimate recovery.
- D. Maximum Production Rate ~~an~~ approved maximum daily rate at which oil may be produced from a specified oil well completion or the maximum approved daily rate at which gas may be produced from a specified gas well completion.
- E. Interested Parties operators and lessees, as defined in 30 CFR 250.2(f) and (g), of the lease or leases involved in a proceeding initiated under this Order.
- F. Reservoir oil or gas accumulation which is separated from and not in oil or gas communication with any other such accumulation.
- G. Competitive Reservoir reservoir as defined herein containing one or more producible or producing well completions on two or more leases, or portions thereof, in which the lease or operating interests are not the same.
- H. Property Line boundary dividing leases, or portions thereof, in which the lease or operating interest is not the same. The boundaries of Federally approved unit areas shall be considered property lines. The boundaries dividing leased and unleased acreage shall be considered property lines for the purpose of this order.
- I. Oil Reservoir. A reservoir that contains hydrocarbons predominantly in a liquid (single-phase) state.
- J. Oil Well Completion. A well completed in an oil reservoir or in the oil accumulation of an oil reservoir with an associated gas cap.
- K. Gas Reservoir. A reservoir that contains hydrocarbons predominantly in a gaseous (single-phase) state.
- L. Gas Well Completion. A well completed in a gas reservoir or in the gas cap of an oil reservoir with an associated gas cap.
- M. Oil Reservoir with an Associated Gas Cap. A reservoir that contains hydrocarbons in both a liquid and a gaseous state (two-phase).
- N. Producible Well Completion. A well which is physically capable of production and which is shut in at the wellhead or at the

surface, but not necessarily connected to production and from which the operator plans to produce.

2. Classification of Reservoirs.

A. Initial Classification. A reservoir shall be classified by the operator, subject to approval of the Supervisor, as an oil reservoir, an oil reservoir with gas cap, or a gas reservoir.

(1) The initial classification of each reservoir shall be made when production is commenced subsequent to the date of this Order shall be submitted for approval of the Supervisor. The initial classification shall be submitted with the first submittal of MER data for the reservoir.

(2) Each reservoir from which production is commenced subsequent to the date of this Order shall be classified by the operator, based on existing reservoir characteristics and conditions. The classification shall be determined and submitted to the Supervisor within six (6) months of the date of commencement of production.

B. Reclassification. A reservoir may be reclassified by the operator, on his own initiative or upon application of the operator, during its productive life. A reservoir may be reclassified showing that such reclassification is warranted.

3. Oil and Gas Production Rates.

A. Maximum Efficient Rate (MER). The operator shall propose a maximum efficient rate (MER) for each producing reservoir on sound engineering and economic grounds. The proposed or other rate, such rate shall not be exceeded except as provided in paragraph 4 of this Order.

(1) Submittal of Initial MER. Within 45 days after the date of first production or such longer period as may be approved, the operator shall submit a Request for Reservoir MER (Form 9-1866) with appropriate supporting information.

(2) Revision of MER. The operator may request a revision of an MER by submitting the proposed revision to the Supervisor on a Request for Reservoir MER (Form 9-1866) with appropriate supporting information. The Operator shall obtain approval to produce at test rates which exceed an approved MER when such testing is necessary to substantiate an increase in the MER.

(3) Review of MER. The MER for each reservoir will be reviewed by the operator annually, or at such other required or approved intervals.

proved interval ~~The results~~ of the review, with all current supporting information, shall be submitted on a Request for Reservoir MER (Form 9-1866) .

- (4) Effective Date ~~The~~ effective date of an MER, or revision thereof, will be determined by the Supervisor and shown on a Request for Reservoir MER (Form 9-1866) when the MER is approved. ~~The~~ effective date for an initial MER shall be the first day following the completion of an approved testing. ~~The~~ effective date for a revised MER shall be the first day following the completion of an approved testing period, or if testing is not conducted, the date the revision is approved.

- B. Maximum Production Rate ~~operator~~ shall propose a maximum production rate (MPR) for each producing well completion in a reservoir together with full information on the method used in its determination. When an MPR has been approved for a well completion, that rate shall not be exceeded, except as provided in paragraph 4 of this Order. The MPR shall be based on well tests and any limitations imposed by (1) well tubing, safety equipment, artificial lift equipment, surface back pressure, and equipment capacity; (2) sand producing problems; (3) producing gas-oil and water-oil ratios; (4) relative structural position of the well with respect to gas-oil or water-oil contacts; (5) position of perforated interval within total production zone; and (6) prudent operating practices. The MPR established for each well completion shall not exceed 110 percent of the rate demonstrated by a well test unless justified by supporting information.

- (1) Submittal of Initial MPR. The operator shall have 30 days from the date of first continuous production within which to conduct a potential test, as specified under subparagraphs 5.B and 6. B of this Order, on all new and reworked well completions. Within 15 days after the date of the potential test, the operator shall submit a proposed MPR for the individual well completion on a Request for Well Maximum Production Rate (MPR) (Form 9-1867) , with the results of the potential test on a Well Potential Test Report (Form 9-1868) . Extension of the 30-day test period may be granted. The effective date for any approved initial MPR shall be the first day following the test period. During the 30-day period allowed for testing, or any approved extensions thereof, the operator may produce a new or reworked well completion at rates necessary to establish the MPR. The operator shall report the total production obtained during the test period, and approved extensions thereof, on the Well Potential Test Report (Form 9-1868) .

- (2) Revision of MPR means a test to determine whether the MPR should be increased, notification to test the well at such higher rates, not to stated maximum rate during a specified, be filed with the Supervisor on the day following the date of filing not otherwise ordered by the Supervisor. It means that the MPR should be increased, within 15 days after the specified test increased MPR on a Request for Well Maximum Production Rate (MPR) (Form 9-1867), and any other available data support the requested revision, including the the potential test and the total production the test period on a Well Potential Test Re 9-1867. Prior to approval of the proposed increased MPR, the operator may produce the well completion to exceed the proposed increased MPR of effective date for any approved increase first day following the test period. If increased MPR rates result in production in excess of the approved MPR, this excess pro be balanced by underproduction from the provisions of subparagraph 4.B of this
- (3) Revision of MPR means a test rat an oil well completion or the semiannual t gas well completion required under sub 6.C of this Order is less than 90 percent approved MPR for the well, a new reduced MPR lished automatically for that well completion equal to percent of the test rate submitted. The effective date the new MPR for such well completion shall be the first day of the quarter following the required date of submittal periodic well-test results under subparagraphs 5.C and of this Order. Also, the operator may notify the Super-visor on a Request for Well Maximum Production Rate (MPR) (Form 9-1867) of, or the Supervisor may require, a down ward revision of a well MPR at any time when the well is no longer capable of producing its approved MPR on a sus tained basis. The effective date for such reduced MPR for a well completion shall be the first day of the month fol lowing the date of notification.
- (4) Continuation of MPR means a test for an "oil completion or a semiann well test for a gas well completion, as provided for in subparagraphs 5.C and 6.C of this Order, cannot be timel continuation of production under the last approved MPR

the well may be authorized, provided an extension of time in which to submit the test results is requested an approved in advance.

(5) Cancellation When MPR well completion ceases to produce, is shut in pending workover, or any other condition exists which causes the assigned MPR to be no longer appropriate, the operator shall notify the Supervisor accordingly on a Request for Well Maximum Production Rate (MPR) (Form 9-1867), indicating the date of last production from the well, and the MPR will be canceled. Reporting of temporary shut-ins by the operator for well maintenance safety conditions, or other normal operating conditions is not required, except as is necessary for completion of the Monthly Report of Operations (Form 9-152).

c. MER and MPR Relationships Withdrawal rate from a reservoir shall not exceed the approved MER and may be produced from a combination of well completions subject to any limitations posed by the MPR established for each well completion. The rate of production from the reservoir shall not exceed the MER although the sum of individual well MPR's may be greater than the MER.

4. Balancing of Production.

A. Production Variances. Temporary well production rates resulting from normal variations and fluctuations exceeding a well MPR or reservoir MER shall not be considered a violation of this Order, and such production may be sold or transferred pursuant to paragraph 8 of this Order. However, when normal variations and fluctuations result in production in excess of a reservoir MER, any operator who is overproduced shall balance such production in accordance with subparagraph 4.B below. Such operator shall advise the Supervisor of the amount of such excess production from the reservoir for the month at the same time as Form 9-152 is filed for that month.

B. Balancing Periods. As of the first day of the month following the month in which this Order becomes effective, all reservoirs shall be considered in balance. Balancing periods for overproduction of a reservoir MER shall end on January 1, April 1, July 1, and October 1 of each year. If a reservoir is produced at a rate in excess of the MER for any month, the operator who is overproduced shall take steps to balance production during the next succeeding month. In any event, all overproduction shall be balanced by the end of the next succeeding quarter following the quarter in which the overproduction occurred. The operator shall notify the Supervisor at the end of the month in which he has balanced the production from an overproduced reservoir.

- c. Shut-in for Overproduction An operator in an overproduction status in any reservoir for two successive quarters not been brought into balance within the balancing be shut in from that reservoir until the actual production equals that which would have occurred under the app
- D. Temporary Shut-in As the result of storm, hurricanes, emergencies, or other conditions peculiar to offshations, an operator is forced to curtail or shut in production from a reservoir, the Supervisor may, on request, makeup of all or part-of this production loss.

5. Oil Well Testing Procedures.

- A. General Tests shall be conducted for not less than four consecutive immediately prior to the 4-hour test period, the well completion shall have produced under stable conditions for a period of not less than six consecutive hours. A 6-hour pretest period shall not begin until after the volume of fluid equivalent to the amount of fluids introduced into the formation for measurement purposes shall be adjusted to the standard conditions of 15.015 psia for all tests. When orifice meters are used, a specific gravity shall be obtained or estimated for the gas and a specific gravity correction factor applied to the orifice coefficient. The Supervisor may require a prolonged test or retest of a well completion if such test is determined to be necessary for the establishment of a well MPR or a reservoir MER. The Supervisor may approve test periods of less than four hours and pretest stabilization periods of less than six hours for well completions, provided that test reliability can be demonstrated under such procedures.
- B. Potential Test. Test data to establish or to increase an oil well MPR shall be submitted on a Well Potential Test Report (Form 9-1868). The total production obtained from all tests during the test period shall be reported on such form.
- c. Quarterly Test. Tests shall be conducted on each producing oil well completion quarterly, and test results shall be submitted on a Quarterly Oil Well Test Report (Form 9-1869). Testing periods and submittal dates shall be as follows:

<u>Testing Period</u>	<u>Latest Date for Submittal of Test Results</u>	<u>For Quarter Beginning</u>
September 11 - December 10	December 10	January 1
December 11 - March 10	March 10	April 1
March 11 - June 10	June 10	July 1
June 11 - September 10	September 10	October 1

There shall be a minimum of 45 days between quarterly tests for an oil well completion.

6. Gas well Testing Procedures.

- A. General Testing procedures for gas well completions shall be the same as those specified for oil well completions in paragraph 5.A except for the initial test which shall be a multi-point back-pressure test as described in paragraph 5.A.
- B. Potential Test data to establish or to increase a gas well MPR shall be submitted on a Well Potential Test Report (Form 9-1868).
- C. Semiannual Test shall be conducted on each producing well completion semiannually, and test results shall be submitted on a Semiannual Gas Well Test Report (Form 9-1870). Testing periods and submittal dates shall be as follows:

<u>Testing Period</u>	<u>For Submission of Test Results</u>	<u>Beginning</u>	<u>Annual Period</u>
June 11 - December 10	December 10	January 1	
December 11 - June 10	June 10	July 1	

There shall be a minimum of 90 days between semiannual tests on a gas well completion.

- D. Back-Pressure Tests. A multi-point back-pressure test to determine the theoretical open-flow potential of gas wells shall be conducted within thirty days after connection to a pipeline. If bottom-hole pressures are not measured, such pressures shall be calculated from surface pressures using the method, or other similar method, found in the Interstate Oil Compact Commission (IOCC) Manual of Back-Pressure Testing of gas wells. The results of all back-pressure tests conducted by the operator shall be filed with the Supervisor, including all basic data used in determining the test results. The Supervisor may waive this requirement if multi-point back-pressure test information has previously been obtained on a representative number of wells in a reservoir.
- H. Witnessing Well Tests. The Supervisor may have a representative witness any potential or periodic well tests on oil and gas well completions. Upon request, an operator shall notify the appropriate District office of the time and date of well tests.
- G. Sale or Transfer of Production. Oil and gas produced pursuant to the provisions of this Order, including test production, may be sold to purchasers or transferred as production authorized for disposal hereunder.

9. Bottom-Hole Pressure Tests Bottom-hole pressure tests shall be conducted annually on sufficient key wells to establish reservoir pressure in each producing reservoir unless frequency is approved. Operator may be required to test specific wells. Results of bottom-hole pressure tests shall be within 60 days after the date of the test.
10. Flaring and Venting Oil- and gas-well gas shall not be flared or vented, except as provided herein.
- A. Small-Volume or Short-Term Flaring and Gas Venting. well gas may be flared or vented in small volumes or without the approval of the Supervisor in the following conditions:
- (1) Gas Vapors When gas vapors are released from storage or other low-pressure production vessels if such gas cannot be economically recovered or retained.
 - (2) Emergency During temporary emergency situations, as compressor or other equipment failure, or the relief abnormal system pressures.
 - (3) Well purging and Evaluation Tests. During the unloading or cleaning up of a well and during drillstem, producing, or other well evaluation tests not exceeding a period of 24 hours.
- B. Approval for Routine or Special Well Tests. Oil- and gas-well gas may be flared or vented during routine and special well tests, other than those described in paragraph A above, only after approval of the Supervisor.
- C. Gas-Well Gas. Except as provided in A and B above, gas-well gas shall not be flared or vented.
- D. Oil-Well Gas. Except as provided in A and B above, oil-well gas shall not be flared or vented unless approved by the Supervisor. The Supervisor may approve an application for flaring or venting of oil-well gas for periods not exceeding one year if (1) the operator has initiated positive action which will eliminate flaring or venting, or (2) the operator has submitted an evaluation supported by engineering, geologic, and economic data indicating that rejection of an application to flare or vent the gas will result in an ultimate greater loss of equivalent total energy than could be recovered for beneficial use from the lease if flaring or venting were allowed.
- E. Content of Application. Applications under paragraph D above for existing operations, as of the date of this Notice, shall

be filed within three months from the effective date of Order Applications under paragraph D (2) above shall in all appropriate engineering, geologic, and economic data evaluation showing that absence of approval to flare or vent the gas will result in premature abandonment of oil and gas production or curtailment of lease development. Applications shall include an estimate of the amount and value of the gas reserves that would not be recovered if the application flare or vent were rejected and an estimate of the total of oil to be recovered and associated gas that would be or vented if the application were approved.

11. Disposition of the Gas The disposition of all gas produced from each lease shall be reported monthly on, or attached to, Form 9-152 report shall be submitted in the following manner:

	<u>Oil-Well Gas</u>	<u>(MCF)</u>	<u>Well Gas</u>	<u>(MCF)</u>
Sales	_____		_____	
Fuel	_____		_____	
* Injected	_____		_____	
Flared	_____		_____	
Vented	_____		_____	
Other (Specify)	_____		_____	
Total	_____		_____	

*Gas produced from the lease and injected on or off the lease.

12. Multiple and Selective Completions.

- A. Number of Completions. A well bore may contain any number of producible completions when justified and approved.
- B. Numbering Well Completions. Well completions made after the date of this Order shall be designated using numerical and alphabetical nomenclature. Once designated as a reservoir completion, the well completion number shall not change. Appendix A contains a detailed explanation of procedures for naming well completions.
- L. Packer Tests. Multiple and selective completions shall be equipped to isolate the respective producing reservoirs. A packer test or other appropriate reservoir isolation test shall be conducted prior to or immediately after initiating production and annually thereafter on all multiply completed wells. Should the reservoirs in any multiply completed well become intercommunicative the operator shall make repairs and again conduct reservoir isolation tests unless some other operational procedure is approved. The results of all tests shall be submitted

on a Packer Test (Form 9-1871) within 30 days after the date of the test.

D. Selective Completion equipment may be installed to permit selective reservoir isolation or exposure in bore through wireline or other operations. All selective completions shall be designated in accordance with subpart 12.B when the application for approval of such completion is filed.

E. Commingle of production from two or more separate reservoirs within a common well bore may be permitted if it is determined that, collectively, the ultimate recovery will not be decreased by commingle hydrocarbons from multiple reservoirs in a common well bore shall be submitted for approval and shall include all pertinent well information, geologic and reservoir engineering data, and a diagram of well equipment. Competitive reservoirs, notice of the application shall be sent by the applicant to other operators of interest in the reservoirs prior to submitting the application to the Supervisor. The application shall specify the well completion number to be used for subsequent commingling purposes.

13. Gas-Cap Well Completions. All existing and future wells completed in the gas cap of a reservoir which has been classified and approved as an associated oil reservoir shall be shut in until such time as the oil is depleted or the reservoir is reclassified as a gas reservoir; provided, however, that production from such wells may be approved when (1) it can be shown that such gas-cap production would not lead to waste of oil and gas, or (2) when necessary to protect correlative rights unless it can be shown that this production will lead to waste of oil and gas.

14. Location of Wells.

A. General. The location and spacing of all exploratory and development wells shall be in accordance with approved programs and plans required in 30 CFR 250.17 and 250.34. Such location and spacing shall be determined independently for each lease or reservoir in a manner which will locate wells in the optimum structural position for the most effective production of reservoir fluids and to avoid the drilling of unnecessary wells.

B. Distance from Property Line. An operator may drill exploratory or development wells at any location on a lease in accordance with approved plans; provided that no well directionally or vertically drilled and completed after the date of this Order in which the completed interval is less than 500 feet from a property line shall be produced unless approved by the Supervisor.

For wells drilled as vertical holes, the surface location of the well shall be considered as the location of the completed interval but shall be subject to the provisions of 30 CFR 250.40(b). An operator requesting approval to produce a directional drilled well in which the completed interval is located closer than 500 feet from a property line, or approval to produce a vertically drilled well with a surface location closer than 500 feet from a property line, shall furnish the Supervisor with letters expressing acceptance or objection from operators of offset properties.

15. Enhanced Oil and Gas Recovery Operations shall timely initiate enhanced oil and gas recovery operations for all competitive and noncompetitive reservoirs where such operations will result in an increased ultimate recovery of oil or gas under sound engineering and economic principles. A plan for such operations shall be submitted with the results of the annual MER review required in paragraph 3A (3) of this Order.
16. Competitive Reservoir Development and Production Operations in a competitive reservoir may be required to be conducted under either pooling and drilling agreements or unitization agreements when the Conservation Manager determines, pursuant to 250.50 and delegated authority, that such agreements are practicable and necessary or advisable and in the interest of conservation.
- A. Competitive Reservoir Determination. The Supervisor shall notify the operators when he has made a preliminary determination that a reservoir is competitive as defined in this Order. An operator may request at any time that the Supervisor make a preliminary determination as to whether a reservoir is competitive. The operators, within thirty (30) days of such preliminary notification or such extension of time as approved by the Supervisor, shall advise of their concurrence with such determination, or submit objections with supporting evidence. The Supervisor will make a final determination and notify the operators.
- B. Development and Production Plans, When drilling and/or producing operations are conducted in a competitive reservoir, the operators shall submit for approval a plan governing the applicable operations. The plan shall be submitted within ninety (90) days after a determination by the Supervisor that a reservoir is competitive or within such extended period of time as approved by the Supervisor. The plan shall provide for the development and or production of the reservoir, and may provide for the submittal of supplemental plans for approval by the Supervisor.

- (1) Development Plan When a competitive reservoir is still being developed or future development is contemplated, a development plan may be required in addition to a production plan. This plan shall include the information required in 30 CFR 250.81. If an agreement to a joint development plan cannot be reached by the operators, each shall submit a separate plan and any differences may be resolved in accordance with paragraph 17 of this Order.
- (2) Production Agreement A joint production plan is required for each competitive reservoir. This plan shall include (a) the proposed MER for the reservoir, (b) the proposed completion in the reservoir, (c) the proposed allocation of reservoir MER for each lease involved, (d) plans for secondary recovery or pressure maintenance. If an agreement to a joint production plan cannot be reached by the operators, each shall submit a separate plan, and any differences may be resolved in accordance with paragraph 17 of this Order.

c. Unitization When a Conservation Manager shall determine that conservation will be best served by unitization of a competitive reservoir, or any reservoir reasonably delineated and determined to be productive, in lieu of a development and/or production plan or when the operators and lessees involved have been unable to voluntarily effect unitization. In such cases, the Conservation Manager may require that development and/or production operations be conducted under an approved unitization plan. Within six (6) months after notification by the Conservation Manager that such a unit plan is required, or within such extended period of time as approved by the Conservation Manager, the lessees and operators shall submit a proposed unit plan for designation of the unit area and approval of the form of agreement pursuant to 30 CFR 250.51.

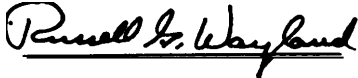
17. Conferences, Decisions and Appeals. Conferences with interested parties may be held to discuss matters relating to applications and statements of position filed by the parties relating to operations conducted pursuant to this Order. The Supervisor or Conservation Manager may call a conference with one or more, or all, interested parties on his own initiative or at the request of any interested party. All interested parties shall be served with copies of the Supervisor's or Conservation Manager's decisions. Any interested party may appeal decisions of the Supervisor or Conservation Manager pursuant to 30 CFR 250.81. Decisions of the

Supervisor or Conservation Manager shall remain in effect not be suspended by reason of any appeal, except as provided that regulation.



J. B. Lowenhaupt
Oil and Gas Supervisor
Production Control
Gulf of Mexico Area

Approved: 1, 1974



Russell G. Wayland
Chief, Conservation Division

APPENDIX A }

Subparagraph 12^a. Numbering Well ~~Completion~~ ~~Impulse~~ ~~Reservoir~~ ~~Designations~~ made after the date of this Order shall be designated using an alphabetical nomenclature designated as a reservoir completion, completion number shall not change..."

The intent of this subparagraph is not necessarily to change well completion names but to change the method of naming after the effective date of this Order in order to insure completion in a given reservoir and a specific well bore will have a unique name and will retain that name permanently. In addition, the following guidelines and examples are offered:

1. Each well bore will have a distinct, permanent number.
2. Each reservoir completion in a well bore will have a nomenclature which includes the well bore number in its nomenclature.
3. For the purpose of this subparagraph, a "completion" is defined as all perforations in a given reservoir in a specific well bore and is not necessarily associated with a tubing string or strings.
4. If more than one completion is made in a well bore, an alphabetical suffix must be used in the nomenclature to differentiate between completions.
5. An alphabetical prefix may be utilized to designate the platform from which the well will be produced.

Example No. 1: The first well drilled from the A Platform is a single completion.

Well No. A-1

(Should an operator wish to use an alphabetical suffix with a single completion, he may do so.)

Example No. 2: A well drilled by a mobile rig need not carry an alphabetical prefix.

Well No. 1

(If the well is later connected to and produced from a production platform, the well shall be redesignated to reflect an alphabetical prefix.)

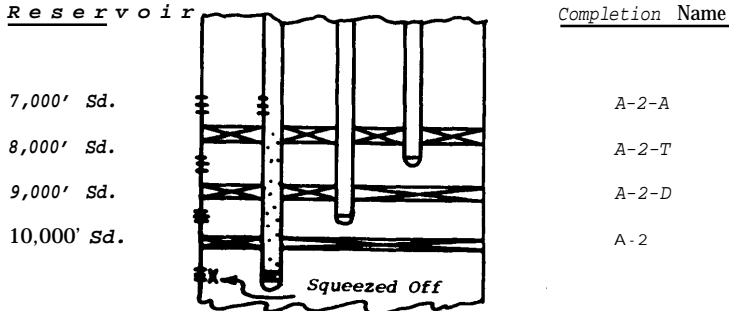
Example No. 3: The second well drilled from the A Platform is a tri completion.

First Completion Second Completion Third Completion
 A - 2 A - 2 - D A - 2 - T

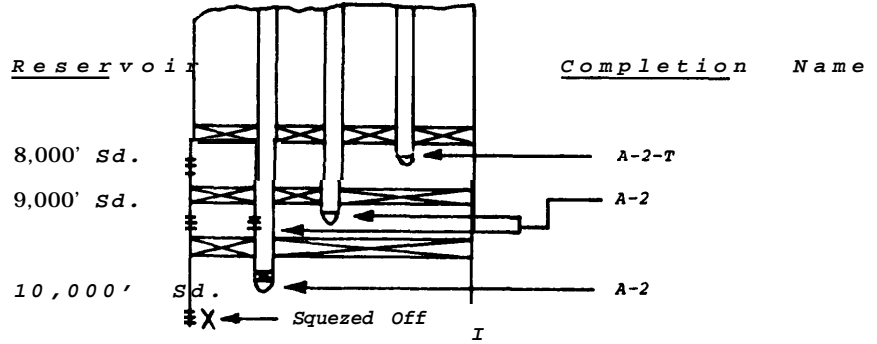
(In the above example, had letters used in naming the second and third completions utilized current industry practice, although the intent is not to restrict operators to the use of these particular alphabetical suffixes. Alphabetical suffix may be used as long as it is unique to the completion in that reservoir.)

Example No. 4: drawing is shown to illustrate the fact that once completion in a specific well bore is designated in given reservoir, it will retain that name permanently. Let us consider the A-2 completion shown in Example No. 3. Should a recompletion be made in a different reservoir at a later date, it shall be renamed; however, the production from the reservoir associated with the original A-2 completion will always be identified with the A-2 completion. A-2 completion in the 10,000' sand is squeezed and plugged off and the recompletion made to the 7,000' sand, the completion in the 7,000' sand would be designated A-2-A (or some other alphabetical suffix other than the "D" or "T" presently associated with other completions in the 9,000' and 8,000' sands).

The Sundry Notices and Reports on Wells (Form 9-331) submitted to obtain approval for the workover shall be the vehicle for naming the new completion.



Example No. 5 If the A-2 completion in Example No. 4 had been completed from the 10,000' sand to the 9,000' (where the A-2-D is currently completed), the completion would still be named A-2-D as both tub strings would be considered one completion for purposes of this Order.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION
GULF OF MEXICO AREA

OCS ORDER NO. 12
Effective August 13, 1971

PUBLIC INSPECTION OF RECORDS

This Interim Order is a ~~temporary~~ ~~provisional~~ ~~interim~~ ~~order~~ ~~issued~~ ~~under~~ ~~the~~ ~~authority~~ ~~of~~ ~~30~~ ~~CFR~~ ~~250.11~~ and in accordance with ~~30~~ ~~CFR~~ ~~250.97~~ of 30 CFR provides as follows:

Public Inspection of Records Geological and geophysical interpretations, maps, and data required to be submitted under this part shall not be available for public inspection without the consent of the lessee so long as the lease remains in effect or until such time as the supervisor determines the release of such information is required and necessary for proper development of the field or area.

Section 2.2 of 43 CFR provides in part as follows:

Determinations as to Availability Section 552 of Title 5, U.S. Code, as amended by Public Law 90-23 (the act codified as the "Freedom of Information Act") requires that identifiable agency records be made available for inspection. Subsection (b)1 of section 552 exempts several categories of records from the general requirement but does not require the withholding from inspection of all records which may fall within the categories exempted. No request made of a field office to inspect a record shall be denied unless the head of the office or such higher field authority as the head of the bureau may designate shall determine (1) that the record falls within one or more of the

1 subsection (b) of section 552 provides that:

(b) This section does not apply to matters that are--

(4) Trade secrets and commercial or financial information obtained from a person and privileged or confidential;

(9) Geological and geophysical information and data, including maps, concerning wells.

categories exempted and (2) either that disclosure is prohibited by statute or Executive Order or that sound grounds exist which require the invocation of the exemption. A request to inspect a record located in the headquarters office or a bureau shall not be denied except on the basis of a similar determination made by the head of the bureau or his designee, and a request made to inspect a record located in a major organizational unit of the Office of the Secretary shall not be denied except on the basis of a similar determination by the head of Office and employees of the Department shall be guided by the "Attorney General Memorandum on the Public Information Section of the Administrative Procedure Act" of June 1967.

(b) An applicant may appeal from a determination that a record is not available for inspection to the Solicitor of the Department of the Interior, who may exercise all of the authority of the Secretary of the Interior in this regard. The Deputy Solicitor may decide such appeals and may exercise all of the authority of the Secretary in this regard.

The operator shall comply with the requirements of this Order from the requirements specified in this Order shall be approval pursuant to 30 CFR 250.12(b).

1. Availability of Records Filed on or after December 1, 1970. It has been determined that certain records pertaining to leases and wells in the Outer Continental Shelf and submitted under 30 CFR 250 shall be made available for public inspection, as specified below, in the Area office, Metairie, Louisiana.
 - A. Form 9-152 - Monthly Report of Operations. All information contained on this form shall be available except the information required in the Remarks column.
 - B. Form 9-330 - Well Completion or Recompletion Report and Log.
 - (1) Prior to commencement of production all information contained on this form shall be available except Item 1a, Type of Well; Item 4, Location of Well, At top prod. interval reported below; Item 22, if Multiple Compl., How many; Item 24, Producing Interval; Item 26, Type Electric and Other Logs Run; Item 28, Casing Record; Item 29, Liner Record; Item 30, Tubing Record; Item 31, Perforation Record; Item 32, Acid, Shot, Fracture, Cement Squeeze, etc.; Item 33, Production; Item 37, Summary of Porous Zones; and Item 38, Geologic Markers.
 - (2) After commencement of production all information shall be available except Item 37, Summary of Porous Zones; and Item 38, Geologic Markers.

- (3) If production has not commenced, an elapsed time of five years from the date of filing Form 9-330 as required in 30 CFR 250.38 (b) , all information contained on this form shall be available ~~except Item 37, Porous Zones; and Item 38, Geologic Maps~~ **except Item 37, Porous Zones; and Item 38, Geologic Maps** prior to the end of the five-year **period the lessee or operator may submit objections to the release of such information. The supervisor, taking into consideration the objections of the lessee, proximity to unleased lands, and the best interests of the United States, may determine that such information shall not be released.**

c. Form 9-33 Sundry Notices and Report on Wells.

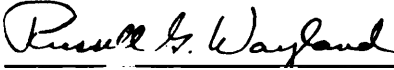
- (1) When used as a "Notice of Intention to" conduct operations, all information contained on this form shall be available except Item 4, Location of Well, At top prod. interval; and Item 17, Describe Proposed or Completed Operations.
- (2) When used as a "Subsequent Report of" operations, and after commencement of production, all information contained on this form shall be available except information under Item 17 as to subsurface locations and measured and true vertical depths for all markers and zones not placed on production.
- D. Form 9-331C - Application for Permit to Drill, Deepen or Plug Back. All information contained on this form, and location plat attached thereto, shall be available except Item 4, Location of Well, At proposed prod. zone; and Item 23, Proposed Casing and Cementing Program.
- E. Sales of Lease Production. Information contained on monthly Geological Survey computer printout showing sales of production of oil, condensate, gas and liquid products, by lease, shall be made available.
2. Filing of Reports. All reports on Forms 9-152, 9-330, 9-331, and 9-331C shall be filed in accordance with the following:
- A. **All reports** submitted on these forms after the effective date of this Order shall be filed in two **separate sets**. All items on the forms in one set shall be completed in full and such forms, and all **attachments** thereto, shall not be available for **public inspection**. The additional set shall be completed in full, except that the items described in 1. (A) , (B), (C), and (D) above, and the attachments relating to such items, may be excluded. The words "Public Information" shall be shown on the lower right-hand corner of this **set**. This additional set shall be made available for public inspection.

B. Copies of reports on these forms which were filed between December 1, 1970, and the effective date of this Order, shall be resubmitted (in duplicate or triplicate, as provided in regulations) within 30 days after the effective date of this Order. These reports may exclude the items described in 1. (A), (B), (C), (D) and above, and shall show the words "Public Information" in the lower right-hand corner and shall be made available for public inspection.

3. Availability of Records Filed Prior to December 1, 1970. Information filed prior to December 1, 1970, on the forms referred to above, is not in a form which can be readily made available for public inspection. Requests for information on these forms shall be submitted to the supervisor in writing and shall be made available in accordance with 43 CFR Part 2.


Robert F. Evans
Supervisor

Approved: August 13, 1971


Russell G. Wayland
Chief, Conservation Division