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**SUBSIDIARY LEGISLATION**

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**DRILLING REGULATIONS**

ARRANGEMENT OF REGULATIONS

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*L.R.O. 1/2006*

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**REGULATION**

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**DRILLING REGULATIONS**

G.27.7.40.  
[2.11.44  
270/1950  
45 of 1979].

*made under section 25*

**1.** These Regulations may be cited as the Drilling Regulations. Citation.

**2.** In these Regulations— Interpretation.

“approved” means approved by the Engineer;

“drainage area of a well” means a circular area of one hundred and fifty feet radius having the centre of the borehole of the well at the surface as its centre except when the well is inclined from the vertical in which case the centre of the circular area shall be at a point at the surface approved by the Engineer;

“Engineer” means Chief Petroleum Engineer;

“natural gas” or “gas” means gas obtained from borings and consisting primarily of hydrocarbons;

“petroleum oil” or “oil” means the natural produce of the wells or springs of petroleum oil before such oil has been refined or otherwise treated;

“well” includes every borehole drilled or sunk, or in the course of being drilled or sunk for the purpose of producing petroleum oil, natural gas, brine, water, or any other substance, whether solid or liquid, and where the context so admits all works connected with, adjacent to and belonging to the borehole.

**3.** (1) Without the permission of the Engineer no borehole drilled for oil or gas shall be commenced with its centre at a lesser distance than one hundred and fifty feet from any boundary line except— Permission for drilling.

(a) when the owner of the well holds the oil rights underlying the lands on both sides of such boundary line under either the same lease or licence or as owner; or

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(b) when there shall exist a reciprocal agreement or arrangement in writing between the owner of the well and all the lessors, licensees, and owners of the oil rights underlying the drainage area of the well or, where such oil rights are vested in the State between the owner of the well and the Minister, for pooling or sharing the crude oil produced from such well.

(2) Permission to commence drilling a borehole for oil or gas with its centre at a lesser distance than one hundred feet from the nearest boundary of a Public Road Reserve or State Trace Reserve will not be granted unless the owner is able to provide an alternative route for the users of such Public Road Reserve or State Trace Reserve to the satisfaction of the Minister.

Supervision of drilling.

4. All drilling operations shall be continuously supervised by a competent person appointed by the manager.

Exclusion of young persons. [45 of 1979].

5. No person under the age of sixteen years shall be allowed on a derrick floor during the time any well is being drilled or repaired.

Exits from derricks.

6. To every derrick there shall be two well-defined approaches which can also be used as exits in case of danger.

Safeguards.

7. (1) All moving parts of machinery shall be properly fenced off where possible.

(2) The sprockets and chains of rotary draw-works shall be provided with approved guards.

(3) The guard protecting the rotary table chain shall be capable of resisting the shock of a breaking chain.

(4) No person shall remove or make ineffective any safeguard while the same is in use unless for the purpose of making repairs thereto, and all such safeguards shall be properly replaced as soon as possible.

**8.** The works comprising the drilling outfit at any well shall be examined daily by the driller in charge, who shall be responsible for the condition thereof so far as general safety is concerned and shall record each day in a book kept for the purpose at the well the conditions found at the time of inspection. Such report shall be signed by the driller in charge.

Daily examination of drilling outfit.

**9.** Tools, machine parts or material of any kind shall not be kept in a derrick above the derrick floor unless required for immediate use, and adequate protection shall then be made to prevent their falling on persons below.

Keeping of tools, etc., in a derrick.

**10.** Every counterbalance shall clear the ground or derrick floor by not more than five feet unless suitable provision is made to prevent it falling on persons working below.

Counterbalance.

**11.** The hook attached to every drill pipe, casing, tubing and sucker rod shall be provided with a latch or other device to prevent the elevator links or other equipment becoming accidentally disengaged from the hook.

Hook provided with latch.

**12.** (1) A safety belt shall be provided at every derrick for the use of each employee working in the derrick above the derrick floor.

Provision of safety belt and lifeline.

(2) Every derrick shall be provided with a lifeline or lifelines securely fixed to the derrick in any place where employees are working in a derrick and to the ground at least fifty feet from the base of the derrick to afford means of escape.

(3) Where a wire lifeline is in use an approved carriage shall be provided.

**13.** (1) Smoking, the use of firearms, explosives, the ignition of any material or the use of naked lights is prohibited in an operating oilfield, except in places set aside for such purposes and notified as being safe by the manager.

Prohibitions.

(2) The drilling of a borehole for oil or gas with its centre within one hundred feet of any building in which fire or lights

other than enclosed electric lights are used is prohibited, and no such building shall be placed within one hundred feet of the centre of any borehole drilled for oil or gas which has not been securely sealed or closed to the satisfaction of the Engineer except his permission in writing has been first had and obtained.

(3) The housing of persons in dwellings, or the use of fire or lights other than enclosed electric lights, within one hundred feet of the centre of any borehole drilled for oil or gas is prohibited except such well has been securely sealed or closed to the satisfaction of the Engineer or except his permission in writing has been first had and obtained.

Boilers.

**14.** (1) No boiler shall be placed within one hundred feet of the centre of any borehole being drilled for or producing oil or gas.

(2) The controls regulating the fuel supply of boilers if placed in front of the firing aperture shall not be within twelve feet thereof unless such valves are at a minimum distance of four feet from the projected centre line of such boilers. Fire boxes of boilers within three hundred feet of the centre of any borehole being drilled for or producing oil or gas shall be fitted with a steam or water snuffer of sufficient size to cool quickly the brickwork or soot in the boiler, the snuffer valve to be operated manually by the fireman at the boiler.

Combustion engines.

**15.** (1) The use of internal combustion engines, stationary or otherwise, within one hundred feet of the centre of a borehole being drilled for or producing oil or gas is only permitted when approved precautions are taken to prevent fire or explosion.

(2) Exhaust gases from internal combustion engines shall not be released into the atmosphere within one hundred feet of the centre of any borehole being drilled for or producing oil or gas provided that this regulation shall not apply to engines of automobiles nor to other internal combustion engines the exhausts of which are fitted with approved flame-proof attachments.

Use of electricity.

**16.** (1) When electricity is used, approved precautions shall be taken as regards installation, operation and maintenance to prevent fire or explosion.

(2) All conductors, switch gear and electrical apparatus on derricks at drilling or producing wells or drilling pumps shall conform to the general regulations as to the installation and use of electricity made under the Coal Mines Act 1911, of the United Kingdom, Part I-(1 Below Ground).\*

1 & 2 Geo.V  
c.50.

(3) No bare conductors shall be used within fifty feet of the centre of any borehole being drilled for or producing oil or gas, and all other electrical apparatus within one hundred feet of the centre of any such borehole shall be so protected that open sparking (as defined under the above-mentioned Coal Mines Act 1911) is prevented.

(4) Every derrick at a well being drilled or brought into production shall be fitted with a switch installed adjacent to the driller's normal working position capable of entirely cutting off the current from the electrical installation in the derrick.

**17.** (1) The manager shall to the satisfaction of the Engineer provide and keep in readiness for immediate use some reasonable means of extinguishing fire convenient to each well under his control.

Provision of fire  
extinguishers  
and report on  
fire.

(2) Whenever a gas or oil fire occurs on a well the manager shall forward a report of the circumstances and probable cause to the Engineer within forty-eight hours of the start of such fire.

**18.** (1) When a well is being drilled, approved precautions shall be taken to prevent any uncontrolled flow of oil or gas. Such precautions shall include the provision of at least two mud pumps, except in the case of a well being drilled to low pressure horizons approved as such by the Engineer or of a geological test hole being drilled to a maximum depth of one thousand feet or of a well connected to a mud plant provided with adequate pumps and approved as such by the Engineer.

Precautions to  
prevent  
uncontrolled  
flow of oil or  
gas and waste  
of gas.

(2) The waste of petroleum products is prohibited. The manager shall use every possible precaution in accordance with the most approved methods, to stop and prevent all unreasonable waste

\*Repealed and replaced by the Mines and Quarries Act 1954 (2 & 3 Eliz.2c.70) one of the Acts comprised in the Mines and Quarries Acts 1954 to 1971.

of gas in drilling and production operations, storage or distributing and shall not wastefully utilise gas or allow such gas to leak or escape from natural reservoirs, wells, tanks, containers or pipes.

(3) The term “waste” in addition to its ordinary meaning includes the destruction or dissipation of gas without economic use where it can be shown that such gas can be put to economic use.

(4) Such approved precautions as may be required by the Engineer shall be taken during drilling, production, storage and pumping operations to prevent the pollution of land, watercourses, foreshore and sea by oil or any other fluid or substance.

Escape of oil or gas.

**19.** Any employee who notices any unusual escape of oil or gas from any well or anything that appears unsafe or likely to produce damage shall forthwith report it to the manager or person in charge.

Samples for investigation.

**20.** The Engineer shall have the power to inspect and take copies of all geological or other information obtained by drilling, to inspect any samples of oil, gas or water, cores and drillings obtained from any well, and to take a reasonable portion of the samples he requires for any investigation.

Programme of proposed work submitted to Engineer for approval Schedule. Forms VIII and IX.

**21.** (1) No person shall commence to drill, re-drill, deepen, plug, abandon any well or to alter, perforate or remove casing in it without first notifying the Engineer on the form set out as Form VIII or Form IX in the Schedule submitting a programme of the proposed work and obtaining his approval thereof. The Engineer may, in his discretion, withhold his consent to the commencement of any such work if any such person has not yet fulfilled any obligations imposed upon him by any law or regulation relating to oil mining operations.

Such notification shall also state whether the well to be drilled, re-drilled or deepened is intended to be vertical or inclined from the vertical. If the well is intended to be inclined from the vertical full information shall be furnished to the Engineer as to the proposed direction and destination of the well.

(2) Whenever any well is drilled, re-drilled or deepened, tests to determine the deviation from the vertical shall be taken at intervals of depth of not more than five hundred feet unless the permission of the Engineer to take such tests at greater intervals of depth has been previously obtained. The result of such tests shall be reported on the form set out as Form II in the Schedule, and if in the opinion of the Engineer the deviation of any well from the vertical or from its approved direction is such that any part of the well may be situated within one hundred and fifty feet of the boundary of oil rights which are not held by the owner of the well either as owner, lessee or licensee, he may order that the well be straightened or brought back to its approved direction, except when there shall exist a reciprocal agreement or arrangement in writing between the owner of the well and all the lessors, licensees and owners of the oil rights underlying the drainage area of the well for pooling or sharing the crude oil produced from such well and such order shall be complied with.

Schedule.  
Form II.

(3) No explosives shall be used in any well without the permission of the Engineer who shall have the power to impose such conditions as he may consider necessary.

(4) Whenever any well is found to be in such a condition that, in the opinion of the Engineer—

- (a) water may have access to oilsands;
- (b) seepage of oil, water, mud or pitch from either inside or outside any string of casing in the well may cause pollution to land, watercourses, foreshore or sea;
- (c) the mechanical condition of the well or any surface fitting is dangerous,

the Engineer may by notice in writing to be served on the owner, agent or manager require him to carry out such measures as he may direct to repair, partially plug or completely abandon the well within a period of time to be specified in such notice. Should the requirements of any such notice not be complied with the Engineer or any other person authorised in writing by the Minister may enter the property and take all measures necessary to carry out the requirements of such notice.

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Numbering of well.

**22.** When any well is commenced it shall be described by a certain number in the owner's records, and the number shall not be changed without the consent of the Engineer.

Water-bearing formations.

**23.** When water-bearing formations have been encountered in any well or when any information has been obtained indicating that water-bearing formations have been encountered, the owner, agent or manager shall immediately notify the Engineer.

Shutting off water.

**24.** After the conductor has been landed or cemented in any well, no further casing shall be landed or cemented in the well until the owner, agent or manager has informed the Engineer of the methods he proposes to use in shutting off any water which may have been encountered or of his reasons for wishing not to do so. The owner, agent or manager shall as soon as possible furnish to the Engineer on the form set out as Form V in the Schedule all information in his possession required by that form.

Schedule. Form V.

Cementing of water-string.

**25.** When a water-string is cemented, unless the consent of the Engineer is obtained to a shorter period, not less than six days shall elapse between the completion of the cementing operations and the drilling out of the cement plug, provided however that when a rapid hardening cement or rapid hardening re-agent approved by the Engineer is used, or where the depth of the point of cementation exceeds three thousand feet, unless the consent of the Engineer is obtained to a shorter period, not less than three days shall elapse between the completion of the cementing operations and the drilling out of the cement plug.

Casing a satisfactory water shut-off.

**26.** After any string of casing other than a conductor has been landed or cemented, no further drilling shall take place until permission is obtained from the Engineer or a competent person approved by him has certified that the casing is a satisfactory water shut-off; when a person approved by the Engineer certifies the shut-off he shall forward to the Engineer a certificate in the form set out as Form VII in the Schedule, and such certificate shall be countersigned by the manager.

Schedule. Form VII.

**27.** If water at any well has been reported during drilling and has not in the opinion of the Engineer been shut off in a satisfactory manner, the manager shall not remove the drilling outfit or derrick without the permission of the Engineer.

Removal of drilling outfit or derrick.

**28.** If a well commences to produce water the manager shall forthwith report the matter to the Engineer on Form VI and shall, if ordered by him, take such steps as may be necessary to protect the oil sands.

Well producing water.  
Form VI.

**29.** The owner, agent or manager may report to the Engineer if he has any reason to believe that the operations of a neighbouring owner are being conducted in such a manner as to allow of the access of water into the oil sands, or the unwarranted waste of gas or gas energy. The Engineer shall forthwith investigate the complaint and if he considers it necessary shall call upon the neighbouring and the complaining owners, agents or managers to appear before him at any inquiry he may consider it necessary to hold. The owners, agents or managers shall at this inquiry provide all available information in connection with the operations reported upon.

Engineer to investigate complaint.

**30.** On or before the 15th day of every month there shall be delivered to the Engineer at the Ministry on Forms I, II, III, IV and X of the Schedule all information requested therein which is in the possession of the owner, agent or manager.

Forms I, II, III, IV and X.  
Schedule.

**31.** The Minister may from time to time alter or add to the forms contained in the Schedule. Notice of such alterations or additions shall be published in the *Gazette*.

Alterations or additions to forms.  
Schedule.

**32.** (1) No employee shall by default or wilful neglect cause any damage to boilers or machinery.

Boilers or machinery.

(2) No employee shall sleep when in charge of boilers or machinery.

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(Regulation 30).

**SCHEDULE**

**FORM I**

Name of Company ..... Field .....

Report of all wells worked on during the month of ....., 20.....,  
other than wells reported on Form III.

If no wells have been worked on during the month a Nil return should be made.

Well No.	Date commenced or Recommended	Date completed	Depth at end of month	Status at end of month

All depths to be given in feet.

Signed .....  
*Owner, Agent or Manager*

(Regulations 21.  
30).

**FORM II**

Log abstract for the month of ..... 20.....

Company ..... Field ..... Loc. No ..... Well No .....

State Lands, Alienated Lands (State Oil), Lands Alienated prior to 30.1.02.

*[Delete where not applicable.]*

Condition of well at end of month ..... Depth ..... Drilling System ....

Mining Lease Reg'd. No. .... Elevation of derrick floor above  
M.S.L. ....

Other

**CASING RECORD**

CASING						PERFORATIONS OR SCREEN			REMARKS
Size	Lbs./ft. Grade	Depth	L* or C	Drums of Cement	Estimated Cement Fill	From	To	Size or Mesh	Cement baskets Packers Liner Hangers

\*L or C- Landed or Cemented      All depths to be given in feet

**HOLE RECORD**

Diam.	Depth	REMARKS
		Here indicate any information not indicated in Casing Record, such as sidetracked fish, Cement Plugs, etc.

**DRILLING RECORD**

Date	DEVIATIONS		C* or D	Depth of Base	REMARKS
	Depth	Degrees			
					Oil, Gas, Water. Description of Formation. General Histroy. Weight of mud, etc.

Date ..... Signed .....  
 \* C or D—Cored or Drilled. *Owner, Agent, or Manager.*  
 All depths to be given in feet.

(Regulation 30).

**FORM III**

Name of Company ..... Field .....

Production report of individual wells for the month of ....., 20.....

*All wells including fresh water wells and idle wells other than those officially abandoned, should be shown below. Reason for wells being idle should be stated under "Remarks."*

Well No.	Mech. Depth	Depth of Pump or Tubing	Method of Prod.	Prod. Horizon	Size of Bean	Day of Prod.	Production of dry oil in barrels of 35 Imperial Gals. at 60° F.	
							State	Private
Total								
Grand Total								

G.O.R. Cu. ft. per barrel		Pressures lbs. per sq. in.		Trap.	S.G. at 60° F.	Water prod. Bbbs. C. Centrifuge G. Guaged	Remarks
Forma- tion	Intake	C.H.P.	T.H.P.				

**UNDER METHOD OF PRODUCTION.**  
 F.C. Flowing Casing. D.P. Displacement Pump.  
 F.T. Flowing Tubing. P.P. Plunger Pump.  
 G.L. Gas lift. S. Swabbing.  
 A.L. Air lift. B. Bailing.  
 P.L. Plunger lift. C. Collected from Sumps

C.I. G.O.R.  
 C.I. Rep.  
 C.I. Ab.  
 C.I. Rest. Prod.  
 C.I. Eq.  
 C.I. Unecon.  
 C.I. Recomn.

**UNDER "REMARKS."**  
 Closed in high G.O.R.  
 " Awaiting repairs.  
 " Awaiting abandonment.  
 " Restricted production requirements.  
 " Lack of Equipment.  
 " Uneconomic to produce.  
 " Awaiting re-completion in higher sand.

**PRODUCING HORIZON.**  
 M.E. Mome l'Enfer.  
 F. Forest.  
 C. Cruse.  
 O. Oligocene.  
 E. Eocene.

Fresh water wells to be segregated at end of return

20 .....

Signed .....

*Owner, Agent or Manager.*

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**FORM IV – Continued**

(3) Quantity of Oil used for all purposes by the Company for their operations:

Description of Oil	On State Lands and Lands alienated subsequent to 29th January 1902	On Private lands and alienated prior to 30th January 1902
Crude Oil ... ..		
Fuel Oil ... ..		
Petrol ... ..		
Kerosene ... ..		
Other Distillates ... ..		
Total Quantity ...		

(4) Quantities of Crude Oil otherwise disposed of an manner of disposal:

Local Sales	Exports	Total

(5) Quantity of Oil in stock on the ..... of ..... 20.....

Description of Oil	Quantity in Stock
Crude Oil... ..	
Fuel Oil ... ..	
Petrol ... ..	
Kerosene ... ..	
Gas Oil ... ..	
Diesel Distillates ... ..	
Diesel Oil (Mixed) ... ..	
Other Distillates ... ..	
Lubricating Oil ... ..	
Road Oil ... ..	
Other Products ... ..	
Total Quantity ...	

20 .....

.....  
*Signature of Owner, Agent or Manager.*

**FORM V—(CABLE)**

**NOTIFICATION OF THE PRESENCE OF  
 WATER-BEARING STRATA**

Name of Company ..... Field .....

Well No. .... Drilling system .....

Water was *noticed/suspected* on ..... 20....., when at ..... ft.

Diameter of open hole .....inches ..... to .....ft.  
 .....inches ..... to .....ft.

Description of water-bearing formation and thickness .....

Estimated rate of flow or height of fluid level .....

Was reliable sample obtained. State details .....

**CASING IN WELL WHEN WATER WAS OBSERVED**

Size	DEPTH		PERFORATIONS OR SCREEN			If cemented give details
	From	To	From	To	Size or Mesh	

It is believed that water is from..... feet for the following reasons:

Proposed method of dealing with this water .....

..... 20 ..... Signed .....

*Owner, Agent or Manager*

All depths to be given in feet.

\_\_\_\_\_

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*Drilling Regulations*

(Regulation 24).

**FORM V—(ROTARY)**

**NOTIFICATION OF THE PRESENCE OF  
WATER-BEARING STRATA**

Company ..... Field..... Loc. No. .... Well No. ....

**CASING RECORD**

CASING						PERFORATIONS OR SCREEN			REMARKS
Size	Lbs./ft. Grade	Depth	L* or C	Drums of Cement	Esti- mated Cement Fill	From	To	Size or Mesh	Cement basket Packers. Liner Hanger etc.

**HOLE RECORD**

Diam.	Depth	REMARKS: Here indicate only information not included in Casing Record, such as sidetracked fish, Cement Plugs, etc.

Water was located by { Core Evidence  
Electrical log on ..... 20....., when at ..... ft.  
Formation tester.

Description of Water Sands (unnecessary when Electrical log is forwarded).

From	To	Description of Formation, Salinities of sand, etc.

Proposed method of dealing with this water:—

The above information was communicated to the Ministry by telephone on ....., 20 ....., and is hereby confirmed.

20 .....

Signed .....

*Owner, Agent or Manager*

\*L or C—Landed or Cemented.

All depths to be given in feet.

FORM VI

(Regulation 28).

NOTIFICATION OF THE COMMENCEMENT OF WATER  
 PRODUCTION IN AN OIL-WELL

(To be sent in within 48 hours of such production of water).

Company ..... Field..... Loc. No. .... Well No. ....

CASING RECORD

Size	Lbs./ft. Grade	Depth	L* or C	Drums of Cement	Esti- mated Cement Fill	PERFORATIONS OR SCREEN			REMARKS
						From	To	Size or Mesh	Cement baskets Packers Liner Hanger

HOLE RECORD

Diam.	Depth	REMARKS: Here indicate only information not included in Casing Record, such as Sidetracked Fish, Cement Plugs, etc.

An other information: —

Date water first noted ....., 20.....

Quantity (in Bbls. per day) water ..... bbls. oil ..... bbls.

How gauged: — .....

General remarks (give here any information as to source of water: .....

Proposed method of excluding water: —

20 .....

Signed .....

Owner, Agent or Manager

\*L or C—Landed or Cemented.

All depths to be given in feet.

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(Regulation 26).

**FORM VII**

**CERTIFICATE OF TEST FOR WATER SHUT-OFF**

Company ..... Field..... Loc. No. .... Well No. ....

**CASING RECORD**

CASING						PERFORATIONS OR SCREEN			REMARKS
Size	Lbs./ft. Grade	Depth	L* or C	Drums of Cement	Esti- mated Cement Fill	From	To	Size or Mesh	Cement basket Packers Liner Hangers etc.

**HOLE RECORD**

Diam.	Depth	REMARKS: Here indicate only information not included in Casing Record, such as side tracked fish, Cement plugs, etc.

At the request of the Engineer with whom the programme for the water Shut-off Test described below was agreed, we, the undersigned, witnessed the Test and report as follows:

In our opinion the water shut-off has been shown to be satisfactory.

Signed .....  
*Witness*

20 .....                      Countersigned .....  
*Manager or his Deputy*

\*L or C—Landed or Cemented.  
All depths to be given in feet.

**FORM VIII**

(Regulation 21).

**NOTICE OF INTENTION TO START DRILLING NEW WELL**

*To be forwarded at least 14 days before drilling commences.*

Name of Company .....

Location No. .... Well No. .... Field .....

Location description .....

[State whether on State Lands, Alienated lands (State Oil) or lands alienated prior to 30.1.02].

Mining Lease No. ....

Co-ordinates .....

Elevation of derrick floor ..... feet above mean sea level.

We expect commercial oil-bearing formations at the following depths: .....

We expect water-bearing formations at the following depths: .....

Our tentative casing programme is as follows:

Size	Weight lbs./ft.	Grade	Depth ft.	Landed or Cemented

Our proposed programme is .....

20.....

Signed .....

*Manager*

\_\_\_\_\_

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(Regulation 21).

**FORM IX**

**NOTICE OF INTENTION TO DEEPEN, REDRILL, PLUG, ALTER OR  
PERFORATE CASING, ABANDON, USE EXPLOSIVE**

*To be forwarded at least 14 days before work commences.*

Company ..... Field..... Loc. No. .... Well No. ....

**CASING RECORD**

CASING						PERFORATIONS OR SCREEN			REMARKS
Size	Lbs./ft. Grade	Depth	L* or C	Drums of Cement	Esti- mated Cement Fill	From	To	Size or Mesh	Cement basket Packers Liner Hangers etc.

**HOLE RECORD**

Diam.	Depth	REMARKS: Here indicate only information not included in Casing Record, such as side tracked fish, Cement plugs, etc.

Any other information: .....

Proposed Work is as follows: .....

20 .....

Signed .....

*Owner, Agent or Manager.*

\*L or C—Landed or Cemented.  
All depths to be given in feet.

\_\_\_\_\_

FORM X

(Regulation 30).

Natural Gas Return for the month of ..... 20.....

Company ..... Field .....

ESTIMATED PRODUCTION OF NATURAL GAS

From Wells produced by	Number of wells	Oil production (barrels)	Formational Gas/Oil Ratio Cu. ft. bbl.	Gas production Cu. ft.	Total Quantities of Gas Cu. ft.
Flowing* ... ..					
Pumping ... ..					
Other methods† ... ..					
Totals ... ..					
Gas produced from Gas wells or storage (Extend Total)					
GAS PURCHASED AND/OR TRANSFERRED FROM ANOTHER FIELD				Cu.ft.	
Name of vendor and/or Field					
(a)					
(b)					
(c)					
Total (Extend Total)					
Grand Total ...					
ESTIMATED DISPOSAL OF NATURAL GAS				Cu.ft.	
Gas converted to liquid at 30 Cu.ft.per imp. gallon					
Gas used as fuel					
Gas replaced in formation (Extend Total)					
GAS SOLD AND/OR TRANSFERRED TO ANOTHER FIELD				Cu.ft.	
Name of purchaser and/or Field					
(a)					
(b)					
(c) (Extend Total)					
Estimated quantity of Natural Gas vented as surplus					
Grand Total ...					
Total quantity of Natural Gas treated for liquid recovery					

Note: Gas quantities to be expressed to nearest 500,000 cu.ft.

Date .....

Signed .....

Owner, Agent or Manager.

\* To include self-operated plunger lift.

† To include Gas lift displacement pumping, and Plunger lift (except self operated) but to exclude input gas used for lifting purposes.