

Pioneer National
Producers AB
Colorado (LP) Title Insurance Company
(10-59)

OIL AND GAS LEASE

THIS AGREEMENT, made and entered into this 30th day of July
Walter G. Thomson and Minnie J. Thomson, husband and wife
1307 NE 155th Ave

of Portland, Oregon 97230

American Quasar Petroleum Co. of New Mexico #707, 1700 Broadway, Denver CO 80290

WITNESSETH: that lessor, for and in consideration of in hand paid, receipt of which is hereby acknowledged, and of the agreements of lessee hereinafter set forth, hereby grants, demises, leases and lets exclusively unto said lessee the lands hereinafter described for the purpose of prospecting, exploring by geophysical and other methods, drilling, mining, operating for and producing oil or gas, or both, including, but not as a limitation, casinghead gas, casinghead gasoline, gas-condensate (distillate) and any substance, whether similar or dissimilar, produced in a gaseous state, together with the right to construct and maintain pipe lines, telephone and electric lines, tanks, pumps, ponds, roadways, plants, equipment, and structures thereon to produce, save and take care of said oil and gas, and the exclusive right to inject air, gas, water, brine and other fluids from any source into the subsurface strata and any and all other rights and privileges necessary, incident to, or convenient for the economical operation of said land, alone or conjointly with neighboring land, for the production, saving and taking care of oil and gas and the injection of air, gas, water, brine, and other fluids into the subsurface strata, said lands being situated in the County of

Washington, Multnomah, Yamhill

State of Oregon and Washington

and being described as follows, to-wit:

See EXHIBIT "A" which is attached hereto and made a part of this Oil and Gas Lease.

of Section Township Range, it being the purpose and intent of lessor to lease, and lessor does hereby lease, all of the lands or interests in lands owned by lessor which adjoin the lands above described or which lie in the section or sections herein specified. For all purposes of this lease, said lands shall be deemed to contain 398.86 acres.

Subject to the other provisions herein contained, this lease shall remain in force for a term of 5 years from this date (herein called "primary term") and as long thereafter as oil or gas, or either of them, is produced from the above described land or drilling operations are continuously prosecuted as hereinafter provided. "Drilling operations" includes operations for the drilling of a new well, the reworking, deepening or plugging back of a well or hole or other operations conducted in an effort to obtain or re-establish production of oil or gas, and drilling operations shall be considered to be "continuously prosecuted" if not more than 60 days shall elapse between the completion of abandonment of one well or hole and the commencement of drilling operations on another well or hole. If, at the expiration of the primary term of this lease, oil or gas is not being produced from the above described land but lessee is then engaged in drilling operations, this lease shall continue in force so long as drilling operations are continuously prosecuted; and if production of oil or gas results from any such drilling operations, this lease shall continue in force so long as oil or gas shall be produced. If, after the expiration of the primary term of this lease, production from the above described land should cease, this lease shall not terminate if lessee is then prosecuting drilling operations, or within 60 days after such cessation of production commences drilling operations, and this lease shall remain in force so long as such operations are continuously prosecuted, and if production results therefrom, then as long thereafter as oil or gas is produced from the above described land.

In consideration of the premises, lessee covenants and agrees:

1st. To deliver, free of cost, to lessor at the wells, or to the credit of lessor in the pipeline to which the wells may be connected, the equal one-eighth (1/8) part of all oil and other liquid hydrocarbons produced and saved from the leased premises, or, at lessee's option, to pay to lessor for such one-eighth (1/8) royalty the market price for the well for such oil and other liquid hydrocarbons of like grade and gravity prevailing on the day such oil and other liquid hydrocarbons are run from the lease stock tanks.

2nd. To pay lessor one-eighth (1/8) of the proceeds received by lessee of the well for all gas (including all substances contained in such gas) produced from the leased premises and sold by lessee; if such gas is used by lessee off the leased premises, or used by lessee for the manufacture of casinghead gasoline or other products, to pay to lessor one-eighth (1/8) of the prevailing market price at the well for the gas so used.

If no well be commenced on said land on or before one year from the date hereof, this lease shall (except as otherwise provided in this paragraph) terminate, unless lessee (or someone in his behalf) on or before such date shall pay or tender to lessor, or to lessor's credit in the

First National Bank of Oregon, Portland, Oregon Branch, Bank at 1001 W. Main St., Portland, Oregon (which bank and its successors shall continue as the depository regardless of changes in the ownership of said land or of the right to receive rentals, 97230

sum of Five Hundred Ninety Eight & 29/100 DOLLARS \$ 598.29 which shall operate as a rental and cover the privilege of deferring the commencement of a well for 12 months from said date. In this matter and under like payments or tenders, the commencement of a well may be further deferred for like periods of the same number of months successively during the primary term hereof. All payments or tenders may be made by cash, check or draft, mailed or delivered on or before the rental date, and the depositing of such cash, check or draft in any post office, addressed to the depository bank or lessor (at his last known address as shown by lessee's records) on or before the rental date, shall be deemed payment or tender as herein provided. Notwithstanding the death of lessor, payment or tender of rentals to such deceased or to his credit in the manner provided herein shall be binding on the heirs, devisees, executors, administrators and personal representatives of lessor and his successors in interest. If lessee shall, on or before any rental date, make a bona fide attempt to pay or deposit rental to a fossil entitled thereto under this lease according to lessee's records or to a fossil or who, prior to such attempted payment or deposit, has given lessee notice, in accordance with the terms of this lease hereinafter set forth, of his right to receive rental, and if such payment or deposit shall be erroneous in any regard (whether deposited in the wrong depository, paid to persons other than the parties entitled thereto as shown by lessee's records, in an incorrect amount, or otherwise), lessee shall be unconditionally obligated to pay to such lessor the rental properly payable for the rental period involved, but this lease shall be maintained in the same manner as if such erroneous rental payment or deposit had been properly made; provided that the erroneous rental payment or deposit be corrected within 30 days after receipt by lessee of written notice from such lessor of such error accompanied by any documents and other evidence necessary to enable lessee to make proper payment. The consideration first recited herein, the down payment, covers not only the privilege granted in the date when said first rental is payable as aforesaid, but also lessee's option of extending that period as aforesaid; and any and all other rights conferred.

Should the first well drilled on the above described land be completed as a dry hole, then, and in that event, if a second well is not commenced on said land within 12 months from the expiration of the last rental period for which rental has been paid (it being understood that for the purpose of this paragraph the period of time extending from the date of this lease to the first rental date shall be considered as a rental period for which rental has been paid), this lease shall terminate to both parties, unless lessee on or before the expiration of said 12 months shall resume the payment of rentals in the same amount and in the same manner as hereinbefore provided. Upon resumption of the payment of rentals as above provided, the last preceding paragraph hereof, governing the payment of rentals and the effect thereof, shall continue in force just as though there had been no interruption in rental payments.

If a well capable of producing gas or gas and gas-condensate in paying quantities located on the leased premises for an acreage pooled or consolidated with all or a portion of the leased premises into a unit for the drilling or operation of such well, is at any time shut in and no gas or gas-condensate therefrom is sold or produced on the premises or for the manufacture of casinghead gas or other products, such well shall be deemed to be a well on the leased premises producing gas in paying quantities and this lease will continue in force during all of the time or times while such well is shut in, whether before or after the expiration of the primary term hereof. Lessee shall use reasonable diligence to market gas or gas and gas-condensate capable of being produced from such shut-in well but shall be under no obligation to market such products under terms, conditions or circumstances which, in lessee's judgment exercised in good faith, are unsatisfactory. Lessee shall be obligated to pay or tender to lessor within 45 days after the expiration of each period of one year (in length (annual period) during which such well is so shut in, as royalty, an amount equal to the annual delay rental herein provided applicable to the interest of lessor in acreage embraced in this lease as of the end of such annual period, or, if this lease does not provide for any delay rental, then the sum of \$50.00; provided that, if gas or gas-condensate from such well is sold or used as aforesaid before the end of any such annual period, or if at the end of any such annual period, this lease is being maintained in force and effect otherwise than by reason of such shut-in well, lessee shall not be obligated to pay or tender for that particular annual period, said sum of money. Such payment shall be deemed a royalty under all provisions of this lease. Such payment may be tendered to lessor or to lessor's credit in the depository bank above designated. Royalty ownership as of the last day of each such annual period as shown by lessee's records shall govern the determination of the party or parties entitled to receive such payment.

If lessor owns a less interest in the land covered by this lease than the entire and undivided fee simple mineral estate therein, then whether or not such less interest is referred to or described herein, all rentals and royalties herein provided shall be paid lessor only in the proportion which his interest bears to the whole and undivided mineral fee.

If the estate of either party herein is assigned or sublet, and the privilege of assigning or subletting in whole or in part is expressly allowed, the express and implied covenants hereof shall extend to the sublessees, successors and assigns of the parties; and in the event of an assignment or subletting by lessor, lessee shall be relieved and discharged as to the leasehold rights so assigned or sublet from any liability to lessor thereafter accruing upon any of the covenants or conditions of this lease, either express or implied. No change in the ownership of the land, rentals, or royalties, however accomplished, shall operate to enlarge the obligations or diminish the rights of lessee or require separate measuring or installation of separate tanks by lessee. Notwithstanding any actual or constructive knowledge of or notice to lessee, no change in the ownership of said land or of the right to receive rentals or royalties hereunder, or of any interest therein, whether by reason of death, conveyance or any other matter, shall be binding on lessee (except at lessee's option in any particular case) until 90 days after lessee has been furnished written notice thereof, and the supporting information hereinafter referred to, by the party claiming as a result of such change in ownership or interest. Such notice shall be furnished by original or certified copies of all documents and other instruments or proceedings necessary in lessee's opinion to establish the ownership of the claiming party. If this lease is assigned or sublet insofar as it covers only a part of the acreage embraced in the leased premises, the delay rentals hereinabove provided for shall be apportioned to the separate parts, ratably according to the surface acreage of each, and failure of the leasehold owner or sublessee of any separate part of the above described lands to make a rental payment with respect to such part shall in no event operate to terminate or affect this lease insofar as it covers any other part thereof.

Lessee may, at any time, execute and deliver to lessor or place of record a release covering all or any part of the acreage embraced in the leased premises or covering any one or more zones, formations or depths underlying all or any part of such acreage, and thereupon shall be relieved of all obligations thereafter to accrue with respect to the acreage, zones, formations or depths covered by such release. In event of a release of this lease as to all or rights in only a part of the acreage embraced in the leased premises, thereafter the delay rentals hereinabove provided for shall be reduced proportionately on an acreage basis.

Lessee is granted the right, from time to time while this lease is in force, to pool into a separate operating unit or units all or any part of the land covered by this lease with other land, lease or leases, or interests therein (whether such other interests are pooled by a voluntary agreement on the part of the owners thereof or by the exercise of a right to pool by the lessee thereof), when in lessee's judgment it is necessary or advisable in order to promote conservation, to properly develop or operate the land and interests to be pooled, or to obtain a multiple production allowable from any governmental agency having control over such matters. Any pooling hereunder may cover all oil and gas, or any one or more of the substances covered by this lease, and may cover one or more of all zones or formations underlying all or any portion or portions of the leased premises. Any unit formed by such pooling shall be of uniting or cornering tracts and shall not exceed 640 acres (plus a tolerance of 10%) for gas or gas-condensate and shall not exceed 40 acres (plus a tolerance of 10%) for any other substance covered by this lease, provided that if any governmental regulation or order shall prescribe a spacing pattern for the development of a field wherein the above described land, or a portion thereof, is located, or allocate a producing allowable based on acreage per well, then any such unit may embrace as much additional acreage as may be so prescribed or as may be permitted in such allocation of allowable. The area pooled and the zones or formations and substances pooled shall be set forth by lessee in a "declaration of pooling" filed for record in the county or counties in which the pooled area is located. Such pooling shall be effective on the date such declaration is filed unless a later effective date is specified in such declaration. In lieu of the royalties elsewhere herein specified, except shut-in gas well royalties, lessor shall receive on production from an area so pooled only such portion of the royalties which, in the absence of such pooling, would be payable hereunder to lessor on production from the land covered by this lease which is placed in the pooled area as the amount of the surface acreage in the land covered by this lease which is placed in the