P. O. GOX 26... BALLAS, TEXAS 75228.

## OIL, GAS AND MINERAL LEASE

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Shelby Cnty	Judge of Probate,AL

THIS ACREEMENT made this <u>31St</u> day of August 1981 between <u>James Floyd Knowles. Jr. and</u> nis wife, Mildred Knowles
lessor (whether one or more), whose address is: Rt.#5 Box 392, Montevallo, Alabama 35115  ATLANTIC RICHFIELD COMPANY, A PENNSYLVANIA CORPORATION: P.O.Box 2819 Dallas, lessee, WITNESSET
1. Lessor, in consideration of Ten and more  Dollars, rece of which is hereby acknowledged, and of the covenants and agreements of lessee hereinafter contained, does hereby grant, lease and let unto lessee the land covered hereby for a purposes and with the exclusive right of exploring, drilling, mining and operating for, producing and owning oil, gas, sulphur and all other minerals (whether or not similar those mentioned), together with the right to make surveys on said land, lay pipe lines, establish and utilize facilities for surface or subsurface disposal of salt water, construct rocand bridges, dig canals, build tanks, power stations, power lines, telephone lines, employee houses and other structures on said land, necessary or useful in lessee's operations exploring, drilling for, producing, treating, storing and transporting minerals produced from the land covered hereby or any other land adjacent thereto. The land covered hereby or any other land adjacent thereto.
hereby, herein called "said land", is located in the County of Shelby, State of Alabama, State of Alabama, and is described as follows:
TOWNSHIP 22 SOUTH, RANGE 2 WEST, SECTIONS 5 and 6 SHELBY COUNTY, ALABAMA.
Part of the SE4SE4SE4 Section 6, also, part of the SW4SW4 Section 5, containing 30.70 acres, more or less.
and being the same lands described in Deed dated October 29th 1977, from James Floyd Knowles, Jr. and his wife, Mildred Knowles, et al, to James Floyd Knowles, Jr. and his wife, Mildred Knowles, and recorded in Deed Book 308, Page 743, containing 30.70 acres, more or less.
This lease also covers and includes, in addition to that above described, all land, if any, contiguous or adjacent to or adjoining the land above described and (a) owned of claim by lessor by limitation, prescription, possession, reversion or unrecorded instrument or (b) as to which lessor has a preference right of acquisition. Lessor agrees to execute supplemental instrument requested by lessee for a more complete or accurate description of said land. For the purpose of determining the amount of any bonus, delay rehta
other payments hereunder, said land shall be deemed to contain 30.70 acres, whether actually containing more or less, and the above recital of acreage in tract shall be deemed to be the true acreage thereof. Lessor accepts the bonus and agrees to accept the delay rental as lump sum considerations for this lease and all rights, and option hereunder.
hereunder.  2. Unless sooner terminated or longer kept in force under other provisions hereof, this lease shall remain in force for a term of ten (10) years from the date hereof, hereinafter cal "primary term", and as long thereafter as operations, as hereinafter defined, are conducted upon said land with no cessation for more than ninety (90) consecutive days.
pipe line or storage tanks, lessor's interest, in either case, to bear one-eighth of the cost of treating oil to render it marketable pipe line oil; (b) To pay Lessor on gas, including casingh gas or other gaseous substances, produced from said land and sold or used off the premises for the extraction of gasoline or other product therefrom, one-eighth of the market vice computed at the mouth of the well of the gas so sold or used; provided that on gas sold by Lessee the market value shall not exceed the cash proceeds received by the Lessee for such computed at the mouth of the well, and on gas sold at the well the royalty shall be one-eighth of the cash proceeds realized by Lessee from such sale. (c) To pay lessor on all of minerals mined and marketed or utilized by lessee from said land, one-tenth either in kind or value at the well or mine at lessee's election, except that on sulphur mined and market the royalty shall be one dollar (\$1.00) per long ton. If, at the expiration of the primary term or at any time or times thereafter, there is any well on said land or on lands with which is land or any portion thereof has been pooled, capable of producing gas or any other mineral covered hereby, and all such wells are shut-in, this lease shall, nevertheless, continuen in as though operations were being conducted on said land for so long as said wells are shut-in, and thereafter this lease may be continued in force as if no shut-in had occurred. Le covenants and agrees to use reasonable diligence to produce, utilize, or market the minerals capable of being produced from said wells, but in the exercise of such diligence, lessee in other being conducted to install or furnish facilities other than well facilities and ordinary lease facilities of flow lines, separator, and lease tank, and shall not be required to settle labor trou or to market gas upon terms unacceptable to lessee. If, at any time or times after the expiration of the primary term, all such wells are shut-in for a period of ninety consecutive days, duri
lease or leases, or portion or portions thereof, or mineral or horizon thereunder, so as to establish units containing not more than 80 surface acres plus 10% acreage tolerance; proving the substilished or an existing unit may be enlarged to contain not more than 840 acres plus 10% acreage tolerance, if unitized only as to gas or only as to gas ilquid hydrocarbons (condensate) which are not a liquid in the subsurface reservoir. If larger units are prescribed or permitted under any governmental rule or order for the drilling operation of a well at a regular location, or for the obtaining of a maximum allowable, from any well to be drilled, drilling, or already drilled, any such unit may be established enlarged to conform to the size prescribed or permitted by such governmental order or rule. Lessee shall exercise said option as to each desired unit by executing an instrum identifying such unit and filing it for record in the public office in which this lease is recorded. Each of said options may be exercised by lessee from time to time, and whether befor after production has been established either on said land or on the portion of said land included in the unit or on other land unitized therewith and any such unit may include any to be drilled, being drilled or already completed. A unit established hereunder shall be valid and effective for all purposes of this lease even though there may be land or mineral, roy or leasehold interests in land within the unit which are not pooled or unitized. Any operations conducted on any part of such unitized land shall be considered, for all purposes, of the lease even though there may be land or mineral, roy or leasehold interests in land within the unit, after deducting any used in lease or unit operations, which the number of surface acres in the land covered by this lease included in the bears to the total number of surface acres in the unit. The production so allocated shall be considered for all purposes, including the payment or delivery of royalty, overriding roy, an
Central State  Bank at Calera, Alabama 35040
or its successors, which shall continue as the depository, regardless of changes in ownership of delay rental, royalties, or other moneys, the sum of \$30.70  which shall operate as delay rental and cover the privilege of deferring operations for one year from said date. In like many

and upon like payments or tenders, operations may be further deferred for like periods of one year each during the primary term. If at any time that lessee pays or tenders delay rental, royalties, or other moneys, two or more parties are, or claim to be, entitled to receive same, lessee may, in lieu of any other method of payment herein provided, pay or tender such rental, royalties, or moneys, in the manner herein specified, either jointly to such parties or separately to each in accordance with their respective ownerships thereof, as lessee may elect. Any payment hereunder may be made by check or draft of lessee deposited in the mail or delivered to lessor or to a depository bank on or before the last date of payment. Said delay rental shall be apportionable as to said land on an acreage basis, and a failure to make proper payment or tender of delay rental as to any portion of said land or as to any interest therein shall not affect this lease as to any portion of said land or as to any interest therein as to which proper payment or tender is made. Any payment or tender which is made in an attempt to make proper payment, but which is erroneous in whole or in part as to parties, amounts, or depository, shall nevertheless be sufficient to prevent termination of this lease and to extend the time within which operations may be conducted in the same manner as though a proper payment had been made; provided, however, lessee shall correct such error within thirty (30) days after lessee has received written notice thereof from lessor. Lessee may at any time and from time to time execute and deliver to lessor or file for record a release or releases of this lease as to any part or all of said land or of mineral or horizon thereunder, and thereby be relieved of all obligations as to the released acreage or interest. If this lease is so released as to all minerals and horizons under a portion of said land, the delay rental and other payments computed in accordance therewith shall thereupon be reduced in the proportion that the acreage released bears to the acreage which was covered by this lease immediately prior to such release.

6. If at any time or times during the primary term operations are conducted on said land and if all operations are discontinued, this lease shall thereafter terminate on its anniversary date next following the ninetieth day after such discontinuance unless on or before such anniversary date lessee either (1) conducts operations or (2) commences or resumes the payment or tender of delay rental; provided, however, if such anniversary date is at the end of the primary term, or if there is no further anniversary date of the primary term, this lease shall terminate at the end of such term or on the ninetieth day after discontinuance of all operations, whichever is the later date, unless on such later date either (1) lessee is conducting operations or (2) the shut-in well provisions of paragraph 3 or the provisions of paragraph 11 are applicable. Whenever used in this lease the word "operations" shall mean operations for and any of the following: drilling, testing, completing, reworking, recompleting, deepening, plugging back or repairing of a well in search for or in an endeavor to obtain production of oil, gas, sulphur or other minerals, excavating a mine, production of oil, gas, sulphur or other mineral, whether or not in paying quantities.

7. Lessee shall have the use, free from royalty of wateright at any time to remove all machinery and fixtures plabarn now on said land without the consent of the lessor. L  8. The rights and estate of any party hereto may be considerations of this lease shall extend to and be binding land, royalties, delay rental, or other moneys, or any part location and drilling of wells and the measurement of prono change or division in the ownership of said land or of the record owner of this lease until thirty (30) days after there notice of such change or division, supported by either origination, and of such court records and proceedings, transitivision. If any such change in ownership occurs by reason to the credit of the decedent in a depository bank provide payable hereunder shall be apportionable as between the payment by one shall not affect the rights of other leasesh.  9. In the event lessor considers that lessee has not con what respects lessee has breached this contract. Lesse breaches alleged by lessor. The service of said notice shallapse of sixty (60) days after service of such notice on less be deemed an admission or presumption that lessee has this paragraph that lessee has failed to comply with any it ascertainment that such failure exists and lessee has the has been judicially determined to be in default. If this less which there are operations to constitute a drilling or modesignated by lessee as nearly as practicable in the form a pooled unit on which there are operations. Lessee shall  10. Lessor hereby warrants and agrees to defend titt with any mortgages, taxe. or other liens, or interest and before or after maturity, and be subrogated to the rights elessor and/or assayns under this lease. Lessee is hereby given any other party contends is outstanding and not cover in the oit, gas, sulphur, or other minerals in all or any partherein, then the royalties, delay rental, and other money interest therein, if any, covered by this lease, bears to the be paid out of the royalty herein provided. This lease st	the easigned from time to the tereof, howsoever effected duction. Notwithstanding and the royalties, delay rental, or on the royalties, or other documents as the of the death of the owner, lead for above. In the event of a me several leasehold owners, and owners hereunder.  In the death of the owners, and the word of the death of the bringing to the several leasehold owners, and the precedent to the bringing the see. Neither the service of sail ailed to perform all of its oblimation of the obligation or covenant to the property of the second lease is cancelled for any cause aximum allowable unit under the said land against the classification of the holder thereof and to do the to said land against the classification of the holder thereof and to do the the right to acquire for it red hereby and even though set of said land than the entire of said land than t	the right to draw and remove caused by its operations to gree in whole or in part and as it heirs, successors, assigns, as it, shall increase the obligation by other actual or constructive other moneys, or the right to record owner at his or its prince of the instruments which has shall be necessary in the opicese may, nevertheless pay or assignment of this lease as to a ratably according to the surface of any action by lessor on a did notice nor the doing of any igations hereunder. Should it at hereof, this lease shall not be time to prevent cancellations, it shall nevertheless remains applicable governmental receil, or in such shape as then end as aid land as are necessary to a said land as are necessary to a sims of all persons whomsoeve the sor agrees that lessee shall duct amounts so paid from resonn benefit, deeds, leases, or and undivided fee simple estimated the estate therein. All royalty who executes it without to any third party without first is in force, there is no well on ons on said land by reason of financial) beyond the reasonal more days following the remove the content of the property of the proper	casing. No well shall I bewing crops and timber to any mineral or he ad successive assigns. It is or diminish the right knowledge or notice receive the same, howselpal place of business we been properly filed mion of such record ow tender such royalties, my part (whether divided ace area or undivided implied, lessor shall rewithin which to me aid lease for any cause acts by lessee aimed to be asserted in any not e subject to cancellation by complying with an in force and affect as gulations, (but in no existing spacing rules reoperations on the acreer. Lessor's rights and it all have the right at an oyalties or other paymer assignments covering laim be invalid or adviate (whether lessor's in than such full interest, winterest covered by the gard to whether it is giving Lessee the right and oval of such delaying of ISIONS OF T	be drilled nearer than 20 or on said land.  From said land or said lessee, its oever effected, shall be his plessor or lessor's heirs, for record and which evironer to establish the valid delay rental, or other moded or undivided) of said linterests of each, and delay rental, or other moded interests of each, and delay rental or any of the said land or any such cause except of any such cause except less than forty acrequire; and (2) any part of age so retained.  From said land or said land or said lesse (whether or not said lesse (whether or not sexecuted by all those not sexecuted	ants, obligations, and the ownership of said out not limited to, the successors or assigns, binding upon the then successor, or assigns, dence such change or dity of such change or oneys, or part thereof, land, the delay rental efault in delay rental efault in delay rental efault in delay rental enting out specifically all or any part of the alleged breaches shall nder the provisions of ept after final judicial ons as to which lessee around each well as to es), such acreage to be f said land included in the charged primarily same for lessor, either ay become payable to said lar I which lessee e covers a less interest for not), or no interest or not), or no interest proportion which the owned by lessor) shall amed became as lessor, ase of the same terms, any portion thereof has er or not subsequently delay rental provisions be extended thereafter
		James Fl	oyd knowles	Jr. S.S.	
330 Page 1		x Milo	Rnowles S.	roules	
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STATE OF ALabama  COUNTY OF Shelby  I hereby certify, that on this day, before me, a North duly authorized in the state and county aforesaid to tak Mildred Knowles  to me known to be the person persons  acknowledged before me that and delivered the within and foregoing instrument on the county and delivered the within and foregoing instrument on the county aforegoing instrument of the co	e acknowledgments, personal	described in and who executed the same,the	d the foregoing instrur	thos.	Ls wife,
Given moder has band official seal, this	4		tember	· · · · · · · · · · · · · · · · · · ·	A.D., 19 <u>81</u>
My commission expires		in and for	12.11.	itle of Official) County.	den.
This lease prepared by: Herbert Williams P. O. Box 1474 Huntsville, TX 77340					
Book, Pagerecord of this office.  County Clerk By, Deputy  When recorded return to	Term  This instrument was filed for record on the  day of, at, at, and duly recorded in	Dated 19 No. Acres County	TO	Oil, Gas and Mineral Lease	With Pooling Provision Mississippi, Alabama, Florida  No.

Attached to and by reference made a part of that certain oil, gas and mineral lease made and entered into by and between James Floyd Knowles. Ir., and his , as Lessor, and ATLANTIC RICHFIELD wife, Mildred Knowles COMPANY, A PENNSYLVANIA CORPORATION, as Lessee, under date of August 31st. , to-wit: 1981

Notwithstanding any thing to the contrary herein contained, it is understood that this lease covers only Oil, Gas, Sulphur, and associated hydrocarbons. All other minerals are expressly reserved by lessor. The term (other minerals) and all references thereto are hereby deleted from this lease. This provision shall take precedence over all printed paragraphs of the lease.

Notwithstanding any thing contained herein to the contrary, Lessee shall have the option to renew this lease, in whole or in part, and extend the primary term for an additional period equal to the initial primary term commencing on the expiration date of the initial primary term by paying or tendering to Lessor, as a bonus, the sum of Ten Dollars (\$10.00) per acre for each acre renewed, on or before the expiration of the initial primary term or, if drilling or reworking operations are being conducted on the leased premises or land pooled therewith on the expiration date of the initial primary term and such operations do not result in a commercial well and the well is plugged and abandoned, payment or tender may be made within thirty (30) days from the date on which the well is plugged and abandoned. Payment or tender of the renewal bonus may be made in the same manner and into the same depository provided for the payment of delay rental. If Lessor owns an interest in the land less than the entire fee simple estate, the renewal bonus shall be reduced proportionately to accord with interest actually owned by the Lessor. In event of assignment of this lease as to a segregated portion of the land, the renewal bonus payable hereunder shall be apportionable as between the several leasehold owners ratably according to the surface area of each and the renewal option shall be exercisable severally and separately as to each assigned portion. In the event the lease is renewed and extended in part only, Lessee shall promptly file for record an instrument in the county in which the land is situated, designating the acreage released and the acreage renewed and extended. The renewal bonus shall be in lieu of delay rental for the first year of the extended term.

. Notwithstanding any thing contained herein to the contrary, Lessee agrees, · prior to drilling a well hereunder, to advise Lessor of the proposed well location and of the proposed route of ingress and egress to such site, further, ·Lessee agrees to exercise due care in all its operations hereunder so as to 'not unduly damage the said land, and to restore the said land as near as is practical to the original state when it has completed its operations hereunder.

If Lessor objects to any proposed well site or route of ingress or egress, then Lessor shall present to Lessee a proposed alternate site and/or route of ingress or egress within 3 days, giving due regard to the geological data of Lessee. Lessor agrees not to propose an alternate site and/or route of ingress and egress that would cause undue economic hardship to Lessee. Should Lessor and Lessee be unable to reach an agreement, then Lessee may proceed, considering to the extent practical, Lessors requirements.

THIS THIS

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Jishama Co. Linena de massa JUDGE OF PREEATE Deel 50 munical 1.54 SIGNED FOR IDENTIFICATION

\*Yames Floyd Knowles, Jr.

XMildred Knowles