## STATE OF OREGON MENT OF GEOLOGY AND MINERAL INDUSTRIES 910 State Office Building Portland, OR 97201

0&G: 345 API: 36-009-00186

## APPLICATION FOR PERMIT TO DRILL AN OIL OR GAS WELL

(To be accompanied by a \$100 permit fee, a surety bond conditioned as provided by law, and evidence of mineral rights ownership or lease.) This application becomes a permit to drill when signed and dated by DOGAMI in box below.

| Agas will   to be known as   Atlantic Richfield   Company   Longview Fibre   13-6   (Company or operator)   (Lease)   (Well No.)   NW 1/4 of   (Company or operator)   (Lease)   (Well No.)   (Mell No   | In compliant                           | ce with rule:        | s and regulations pursua                      | nt to OR          | S 520, applicat      | ion is hereby mad                     | de for permit | to drill                                |
|--|--|----------------------|---|-------------------|----------------------|---------------------------------------|---------------|---|
| in SW 1/4 of Sec. 6 , T. 5N , R. 4W M.B.&M. Directional? No x Yes  Survey Coordinates: 2500' N and 625' E from SW Corner, Section 6  Fildcat: Yes (or) Field Name: Mist County: Columbia  Elevation of ground above sea level is 780 feet. All depth measurements are taken from Kelly bushing , which is ± 10'  Poscor (Hineral Owner): Longview Fibre Company  Main Office and Mills, Longview, WA 98632  Atlantic Richfield Company  May Office and Mills, Longview, WA 98632  Atlantic Richfield Company  May Office and Mills, Longview, WA 98632  Atlantic Richfield Company  May Office and Mills, Longview, WA 98632  Atlantic Richfield Company  May Office and Mills, Longview, WA 98632  Atlantic Richfield Company  Melophi in pounds of asing and to land or cement them as herein indicated:  Size of hole casing per foot  Melophi in pounds of asing and to land or cement them as herein indicated:  Size of hole casing per foot  Size of hole Size of hole casing and to land or cement them as herein indicated:  Size of hole casing per foot  Size of hole Size of hole casing bert foot  Size of hole Size of hole casing bert foot  Size of hole Size of hole casing bert foot  Size of hole Size of hole casing bert foot  Size of hole Company  Signature  Company/Operator of Atlantic Richfield Company  Signature  Signature  Position District Drilling Superintendent  Date January 2, 1986  SEND KELL COWNENCATION 10:  Name Rwang U. Park  Address 4201 Stine Road  Bakersfield, CA 93309  Phone 805) 833-4060 (Day) 805) 834-4826 (Might)  Phone 805) 833-4060 (Day) 805) 834-4826 (Might)   | (a gas well)<br>(an oil well<br>NW 1/4 | to be know           | vn as <u>Atlantic Ric</u><br>(Company or open | hfield<br>ator)   | Company              | Longview<br>(Lease)                   | Fibre         | 13-6<br>(Well No.)                      |
| Survey Coordinates: 2500' N and 625' E from SW Corner, Section 6  #### ##############################  | in SW                                  | $\frac{1}{4}$ of Sec | c. 6 , T.                                     | 5N                | R. 4W                | W.B.&M. Direc                         | tional? No⊃   | Yes                                     |
| Record of ground above sea level is   780   feet. All depth measurements are taken from   Kelly bushing   , which is   ± 10'   | Survey Coord                           | dinates:             | 2500' N and 625'                              | E fro             | m SW Corner,         | Section 6                             |               |   |
| Size of   Size of   Neight in pounds   Neigh in po   | Wildcat:                               | Yes (or)             | Field Name:                                   | Mist              |                      | County:                               | Colu          | ımbia                                   |
| Main Office and Mills, Longview, WA 98632  January 31  Decamin Approved January 31  The September 1984 stipulations approved by the State Geologist are conditions of this permit.  January 31  Januar | Elevation of                           | f ground abo         | ve sea level is78                             | 0fe               | et. All depth r      | measurements are                      | taken from _  |   |
| Main Office and Mills, Longview, WA 98632  Inface Owner:  Longview Fibre Company  Idress:  Main Office and Mills, Longview, WA 98632  Atlantic Richfield Company  Idress:  Address  Atlantic Richfield Company  Idress:  Atlantic Richfield Company  Idress:  Address  Atlantic Richfield Company  Idress:  Atlantic Richfield Company  Idress:  Address  Atlantic Richfield Company  Idress:  Atlantic Richfield Company  Idress:  Address  Atlantic Richfield Company  Idress:  Atlantic Richfield Company  Idress:  Address  Atlantic Richfield Company  Idress:  Atlantic  | Kell                                   | y bushing            | 4   | , whic            | h is ± 10            | 1 1                                   |               | above ground                            |
| Main Office and Mills, Longview, WA 98632  Atlantic Richfield Company  Signature  Atlantic Richfield Company  Signature  Atlantic Richfield Company  Signature  Atlantic Richfield Company  Signature  Position  District Drilling Superintendent  Date  January 2, 1986  SEND WELL COMMUNICATION 10:  Name  Kwang U. Park  Address  4201 Stine Road  Bakersfield, CA 93309  Phone 805) 833-4060 (pay) 805) 834-4826 (Night)  Phone 805) 833-4060 (pay) 805) 834-4826 (Night)  | Lessor (Miner                          | al Owner):           | Longview Fibre (                              | Company           |                      | · · · · · · · · · · · · · · · · · · · |               | AFFE.                                   |
| Main Office and Mills, Longview, WA 98632  Atlantic Richfield Company  Signature  Atlantic Richfield Company  Signature  Atlantic Richfield Company  Signature  Atlantic Richfield Company  Signature  Position  District Drilling Superintendent  Date  January 2, 1986  SEND WELL COMMUNICATION 10:  Name  Kwang U. Park  Address  4201 Stine Road  Bakersfield, CA 93309  Phone 805) 833-4060 (pay) 805) 834-4826 (Night)  Phone 805) 833-4060 (pay) 805) 834-4826 (Night)  | Address:                               |                      | Main Office and                               | Mills,            | Longview, W          | IA 98632                              |               |   |
| Atlantic Richfield Company  didress: 4201 Stine Road, Bakersfield, CA 93309  Ne propose to use the following strings of casing and to land or cement them as herein indicated:  Size of Size of hole casing Weight in pounds per foot Grade/Type Depth Amount of cement  12-1/4" 9-5/8" 36# K-55 STC 400' 200 sacks  8-3/4" 5-1/2" 17# K-55 LTC 3000' 660 sacks  Secologic Objectives Clark and Wilson at 1475'  Proposed Depth 3000' ARCO 0il and Gas Company, Divisi of Atlantic Richfield Company  Signature Signature Position District Drilling Superintendent  Date January 2, 1986  SEND WELL COMMUNICATION TO:  Name Kwang U. Park  Address Bakersfield, CA 93309  Phone 805) 833-4060 (pay) 805) 834-4826 (Night)  Petroleum Engineer Figure of compliance with the Statewide Planning Goals or the acknowledge.  |  |                      |   |                   |                      |                                       | 1/.           | 1 <del>N 3700=</del>                    |
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| Ne propose to use the following strings of casing and to land or cement them as herein indicated:    Size of   Size of hole   Casing   Weight in pounds per foot   Grade/Type   Depth   Amount of cement   |  |                      |   |                   |                      |                                       | 13            | Portland                                |
| Size of hole   Size of hole   Casing   Weight in pounds per foot   Grade/Type   Depth   Amount of cement   |  |                      |   | Baker             | sfield. CA S         | 93309                                 | \@^\          | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |
| hole casing per foot Grade/Type Depth Amount of cement  12-1/4" 9-5/8" 36# K-55 STC 400' 200 sacks  8-3/4" 5-1/2" 17# K-55 LTC 3000' 660 sacks  Geologic Objectives Clark and Wilson at 1475'  Proposed Depth 3000' ARCO Oil and Gas Company, Divisi Of Atlantic Richfield Company  Signature Osignature  |  |                      | * =   |                   |                      |                                       | indicated:    | 2/16                                    |
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| Realization of this permit.    Second   | 12-1/4"                                | 9-5/8"               | 36#   | K-55              | STC                  | 400'                                  | 200           | sacks                                   |
| Proposed Depth 3000'  Company/Operator of Atlantic Richfield Company  Signature Position District Drilling Superintendent  Date January 2, 1986  SEND WELL COMMUNICATION TO:  Name Kwang U. Park  Address Bakersfield, CA 93309  Phone 805) 833-4060 (Day) 805) 834-4826 (Night)  Proposed Depth ARCO Oil and Gas Company, Divising of Atlantic Richfield Company  ARCO Oil and Gas Company, Division of Atlantic Richfield Company  Signature Signature Position District Drilling Superintendent  Date January 2, 1986  SEND WELL COMMUNICATION TO:  Name Road  Bakersfield, CA 93309  Phone 805) 833-4060 (Day) 805) 834-4826 (Night)   |  |                      |   | 1                 | LTC                  | 3000'                                 | 660           | sacks                                   |
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| Company/Operator of Atlantic Richfield Company  Signature  Position Date January 2, 1986  SEND WELL COMMUNICATION TO:  Name  Read  By  Petroleum Engineer  Company/Operator of Atlantic Richfield Company  Signature  Position Date January 2, 1986  SEND WELL COMMUNICATION TO:  Name Kwang U. Park  Address  Address  Bakersfield, CA 93309  Phone 805) 833-4060  Phone 805) 833-4060  Phone 805) 833-4060  Read  Read | Geologic Ob,                           | jectives             | Clark and Wilso                               | n at 1            | 475 <b>'</b>         |                                       |               |   |
| The September 1984 stipulations approved by the State Geologist are conditions of this permit.  By Position District Drilling Superintendent January 2, 1986  SEND WELL COMMUNICATION TO:  Name Kwang U. Park  Address 4201 Stine Road  Bakersfield, CA 93309  Phone 805) 833-4060 (Day) 805) 834-4826 (Night)   | Proposed De                            | pth                  | 3000'   |                   | -<br>Company/Operato |                                       |               |   |
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| approved by the State Geologist are conditions of this permit.    By   Must   Must   Must   Must   Must   Manual   Manua | l                                      |                      |   |                   |                      |                                       |               |   |
| By Petroleum Engineer  Address 4201 Stine Road  Bakersfield, CA 93309  Phone 805) 833-4060 (Day) 805) 834-4826 (Night)   | approved                               | by the S             | tate Geologist                                |                   |                      |                                       |               |   |
| Bakersfield, CA 93309  Petroleum Engineer  Phone 805) 833-4060 (Day) 805) 834-4826 (Night)  Petroleum Engineer  Phone 805) 833-4060 (Day) 805) 834-4826 (Night)  | are cond                               | itions of            | this permit.                                  |                   | 4201 Stine Pond      |                                       |               |   |
| Petroleum Engineer  Phone 805) 833-4060 (Day) 805) 834-4826 (Night)  Phone 805) 833-4060 (Day) 805) 834-4826 (Night)   | Dais                                   | ,5 ./                | m. 1. 0                                       |                   |                      |                                       |               |   |
| wass (1) is a set this permit is not a finding of compliance with the Statewide Planning Goals or the acknowl-   | By                                     | oleum Fna            | ineer   |                   |                      |                                       |               |   |
| edged comprehensive plan. (2) Permit expires one year from date of issue. (3) Land use approval must be  | NO.55 (1) I                            |                      | his posmit is not a fin                       | <b></b> ding of o | compliance with      | the Statewide Pl                      | anning Goals  | or the acknowl-                         |

obtained from the county or city in which the drilling takes place. (4) Unless specifically exempted, perm is obligated to comply with all current applicable statutes and rules including those adopted after permit issuance.

Form 1 (5-85)