

APPLICATION FOR PERMIT TO DRILL AN OIL OR GAS WELL

(To be accompanied by a \$250 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.

In compliance with rules and regulations pursuant to ORS 520, application is hereby made for permit to drill  
(a gas well) to be known as Enerfin Resources Northwest John Hancock #31-20-54  
(an oil well) (Company or Operator) (Lease) (Well No.)

in NE 1/4 of Sec. 20, T 5N, R 4W Directional? No  Yes  Survey Coordinates (if yes, BHL & SHL):

SHL: +725' South and +1,320' West from the Northeast corner of Section 20; BHL: See attached program

Wildcat: \_\_\_\_\_ (or) Field Name: Mist Gas Field County Columbia

Elevation of ground above sea level is +640.00 feet. All depth measurements are taken from Kelly Bushings (KB)  
\_\_\_\_\_ which is +10.00' above ground.

Lessor (Mineral Owner): John Hancock Insurance Group c/o The Campbell Group

Address: 62424 Nehalem Highway North, Vernonia, OR. 97064

Surface Owner: John Hancock Insurance Group c/o The Campbell Group

Address: 62424 Nehalem Highway North, Vernonia, OR. 97064

Lessee: Enerfin Resources Northwest Limited Partnership

Address: Three Riverway, Suite 1200, Houston, TX. 77056

We propose to use the following strings of casing and to land or cement them as herein indicated:

Size of hole	Size of casing	Weight in pounds per foot	Grade/Type	Depth	Amount of Cement
25"	12"			40'	Surface pour
9-7/8"	7"	23#	J-55/ST&C	500'	145 sx
6-1/4"	3-1/2"	9.2# or 9.3#	J-55/NU or EUE	4,295'	370 sx

Geologic Objectives Clark and Wilson Sand (C&W) and Sunset Highway Sand (SHS)

Proposed Depth +4,295' KB

Company/Operator Enerfin Resources Northwest

Signature [Signature]

Position Field Operations Manager

Date July 10, 1996

SEND WELL COMMUNICATION TO:

Name Enerfin Resources Northwest

Address P.O. Box 1358

Clatskanie, OR. 97016-3358

Phone (503) 755-2010 (Day) (503) 204-7321 (Night)

Fax (503) 755-2030

NOTE: (1) Issuance of this permit is not a finding of compliance with the Statewide Planning Goals or the acknowledged comprehensive plan. (2) Permit expires one year from date of issue. (3) Land use approval must be obtained from the county or city in which the drilling takes place. (4) Unless specifically exempted, permittee is obligated to comply with all current applicable statutes and rules including those adopted after permit issuance.

APPLICATION FOR PERMIT TO DRILL AN OIL OR GAS WELL

(To be accompanied by a \$250 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.

In compliance with rules and regulations pursuant to ORS 520, application is hereby made for permit to drill  
(a gas well) to be known as Enerfin Resources Northwest Cavenham Energy Resources #31-20-54  
(an oil well) (Company or Operator) (Lease) (Well No.)

in NE 1/4 of Sec. 20, T 5N, R 4W Directional? No  Yes  Survey Coordinates (if yes, BHL & SHL):

SHL: +725' South and +1,320' West from the Northeast corner of Section 20; BHL: See attached program

Wildcat: \_\_\_\_\_ (or) Field Name: Mist Gas Field County Columbia

Elevation of ground above sea level is +640.00 feet. All depth measurements are taken from Kelly Bushings (KB)  
\_\_\_\_\_ which is +10.00' above ground.

Lessor (Mineral Owner): Cavenham Energy Resources c/o Qualls Energy Inc.

Address: 16666 Northchase Drive, Suite 201, Houston, TX. 77060

Surface Owner: Cavenham Energy Resources

Address: 1800 SW First Avenue, Suite 500, Portland, OR. 97201

Lessee: Enerfin Resources Northwest Limited Partnership

Address: Three Riverway, Suite 1200, Houston, TX. 77056

We propose to use the following strings of casing and to land or cement them as herein indicated:

Size of hole	Size of casing	Weight in pounds per foot	Grade/Type	Depth	Amount of Cement
25"	12"			40'	Surface pour
9-7/8"	7"	23#	J-55/ST&C	500'	145 sx
6-1/4"	3-1/2"	9.2# or 9.3#	J-55/NU or EUE	4,295'	370 sx

Geologic Objectives Clark and Wilson Sand (C&W) and Sunset Highway Sand (SHS)

Proposed Depth +4,295' KB

Company/Operator Enerfin Resources Northwest

Signature [Signature]

Position Field Operations Manager

Date June 6, 1996

SEND WELL COMMUNICATION TO:

Name Enerfin Resources Northwest

Address P.O. Box 1358

Clatskanie, OR. 97016-3358

Phone (503) 755-2010 (Day) (503) 204-7321 (Night)

Fax (503) 755-2030

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