

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

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 the box below.

In compliance with rules and regulations pursuant to ORS 520, application is hereby made for permit to drill (a gas well)

(a oil well) to be known as Nahama & Weagant Energy Co. Columbia Co. 23-35-75
 (Company or Operator) (Lease) (Well No.)

in SW 1/4 of Sec. 35, T. 7N, R. 5W W.B.&M. Directional? Yes No

Survey Coordinates: 200' South & 1700' East from the West 1/4 corner (bottom hole location)
260' North & 2250' East from the West 1/4 corner (surface location)

Wildcat: Yes (or) Field Name: _____ County: Columbia
 Elevation of ground above sea level is 1370 feet. All depth measurements are taken from Kelly Bushing, which is 11.4 feet above ground.

Lessor (Mineral Owner): Columbia County
 Address: Courthouse, St. Helens OR 97051
 Surface Owner: Claruth, Inc., Franbea, Inc., Willna, Inc.
 Address: C/O E. H. Evanson, Clatskanie, OR 97016
 Lessee: ARCO Oil & Gas
 Address: P.O. Box 147, Bakersfield, CA 93302

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
12 1/4"	8 5/8"	24	J-55	900	650 sx
7 7/8"	4 1/2"	10.5	J-55	3400'	300 sx

Geologic Objective: Clark & Wilson Sand
 Proposed Depth: 3400' MD

DOGAMI Approved <u>5/28/91</u> see below BY <u>Trent Rosenlieb</u>	Co./Operator <u>Nahama & Weagant Energy Company</u> Signature <u>Trent Rosenlieb</u> Position <u>Engineer</u> Date <u>5-3-91</u> SEND WELL COMMUNICATIONS TO: Name <u>Trent Rosenlieb</u> Address <u>602 H Street</u> <u>Bakersfield, CA 93304</u> Phone <u>323-9075 (day) 872-0386 (night)</u>
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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 the 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.

A log is required to confirm that the production casing cement is a minimum of 500' above the gas zone or highest perforation, or a minimum of 100' above any fluid bearing zone, whichever is higher. Also, a directional survey is required.