

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

O&G PERMIT #: 461

API #: 36-009-00287

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.

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 Nahama & Weagant Energy Co. Cavenham Energy Resources CER 14-26-64
(~~an oil well~~) (Company or Operator) (Lease) (Well No.)

in SW 1 of Sec. 26, T 6N, R 4W Directional? No Yes Survey Coordinates (if yes, BHL & SHL):
500'E and 750'N from SW corner

Wildcat: Yes (or) Field Name: _____ County Columbia

Elevation of ground above sea level is 1110 feet. All depth measurements are taken from Kelly Bushing, which is 11.4 above ground.

Lessor (Mineral Owner): Cavenham Energy Resources (205)
Address: 1500 SW 1st Avenue, Portland, OR 97201

Surface Owner: Cavenham Forest Industries (7)
Address: 62424 No. Nehalem Highway, Vernonia, OR 97064

Lessee: Nahama & Weagant Energy Company (A1)
Address: 602 "H" St., Bakersfield, CA 93304

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	500'	300 SX
7-7/8"	4 1/2"	10.5	J-55	2850'	150 sx

Geologic Objectives Clark & Wilson Sand
Proposed Depth 2850' TVD Company/Operator Nahama & Weagant Energy Company

DOGAMI approved June 19, 1991
A log is required to confirm the cement of production casing is at least 500' above the perforations of the gas zone, or at least 100' above any fluid bearing zone, whichever is higher. The July '87 stipulations are conditions of this permit by Dennis L. Christensen

Signature Trent Rosenlieb
Position Engineer
Date 5-22-91

SEND WELL COMMUNICATION TO:
Name Trent Rosenlieb, c/o NVEC
Address 602 "H" St. Bakersfield, CA 93304
Phone (805) 323-9075 (Day) (805) 323-9075 (Night)

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.