

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
800 NE Oregon St # 28 Portland, OR 97232

MISCELLANEOUS APPLICATION
(In compliance with rules and regulations pursuant to ORS 520)

Carbon Energy International WNS-Menasha 32-1
Company or Operator (Lease) (Well No.)

Sec. 32 T 26S R 13W Surveyed Coordinates (if directional, BHL & SHL):
2150' FSL, 2399' FWL (NW SW)

Fieldcat: X (or) Field Name: County: Coos

Signature: [Signature] Position: Member/Geologist

Date: October 12, 1994

Use this form for applications to deepen, rework, abandon, or any other proposed procedure on an existing well.

This form must be submitted unless verbal approval has been given. This application becomes a permit when signed and filed by DOGAMI in the box below.

The present condition of the well, including complete casing record, is as follows:

Currently, the well is shut-in at the wellhead and operations have been suspended. Surface casing (9 5/8", 36#, K-55) was installed in the well from 154' and cemented to surface (returns reported) with 90 sacks of Class G cement with 3% CaCl. An intermediate string of casing (7", 23#, K-55) was installed at 1157' and cemented to surface (returns reported) with 225 sacks of Class E with 3% CaCl. A 3"-continuous core was taken in 10-foot sections from 1160' to 1280'. A production liner (4 1/2", 11.6#, J-55) was set in the well from 1057' to 1594' (logging TD) and cemented in place. Overlap of 4 1/2" & 7" is from 1057' to 1157'. Initial cement bond logs indicated good bond on the 4 1/2" liner from 1387' to TD. Following several cement squeeze operations in the 4 1/2" liner, subsequent cement bond logs indicated sufficient isolation of coal zones targeted for stimulation and production testing. Coal zones in the 4 1/2" liner were perforated at 1515-22', 1398-1403', and 1363-70' with 4 spf and treated with 55,000 gallons of 70 quality N2 foam and 50,000 pounds of sand. Coal zones in the 7" casing were also perforated for testing at 942-945', 926-34', 710-712', 685-88', and 560-66' with 4 spf and treated with 32,000 gallons 70 quality N2 foam and 43,000 pounds of sand. Production tubing (2 3/8", 4.7#, J-55) was installed from the surface and landed at 1550'. A down-hole tubing pump and approximately 1500' of 3/4" pumping rods with pump plunger were installed. After the installation of surface equipment, production testing commenced in March. Production testing was suspended in August of 1994.

DOGAMI approved OCT 17, 1994

Signature: [Signature]
Position: Member/Geologist
Date: October 12, 1994

Notify DOGAMI in advance to witness cementing.

[Signature]

SEND WELL COMMUNICATION TO:
Name: Steve Pappajohn
Address: 6627 S. 191st. Place, Ste. F-100
Kent, WA 98032
Phone (206) 656-4151 (Day) (206) 432-5531 (Night)

Following is a detailed account of the proposed work:
Following the removal of the 2 3/8" production tubing, the 3/4" rods, the downhole pump and plunger, and the associated surface equipment, it is proposed that the WNS 32-1 well be plugged and abandoned. A cement plug will be emplaced from the current total depth to the surface. An attempt will be made to circulate cement to surface during emplacement but in any case the top of the cement plug will be between the surface and 500' depth. Another plug will be emplaced at the surface in accordance with ODOGAMI regulations if necessary. Drilling mud will be emplaced between the plugs if necessary. The casings will be cut off 4' below ground level and a metal cap with the required identification information will be welded onto to the well. The reserve pit will be filed and the remaining site will be set to the satisfaction of the surface owner (Menasha Timber Co.).