

The Oregon Department of Geology and Mineral Industries
STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
800 NE Oregon St # 28 Portland, OR 97232

RECEIVED
NOV 26 2002
Mined Land Reclamation

HISTORY OF OIL OR GAS WELL
(In compliance with rules and regulations pursuant to ORS 520)

(Company or Operator) Northwest Natural Gas Company (Lease) NW Natural Gas Co (Well No.) 12-22-65

Sec. 22, T6N-R5W Surveyed Coordinates-SHL:2267' South & 1224' East of the northwest corner of section 22, T6N-R5W. BHL: 111' North & 537' West from the surface location.

Wildcat: _____ (or) Field Name: Mist Storage Field County: Columbia

Signature: [Signature]

Date: 11/19/02

Position: Project Manager

Use this form in reporting the daily operations at the well. (Operator may use his own forms, but heading of this form must also be completed and submitted.) Please submit a complete history of the well. Include such information as bit sizes, mud weights, casing sizes and depths set, amount of cement used, drilling depths, fishing, logging, perforating, and plugging procedures, and anything else pertinent to the operation. Do not include lithology.

August 30, 2002

Move Taylor service rig to current location. Spot rig and equipment on hole. Unload and sort tubing. Purpose of job is to install isolation packer/dual string. Shut down operations for weekend waiting for wellhead.

September 2, 2002

Rig up Taylor service rig and equipment. Remove wellhead and install rental tubing spool and BOPE. Function test BOPS. Rig up service rig floor. Change RAM blocks and handling equipment. Strap and count tubing. Make up bit and casing scraper. Drift in hole with tubing and scraper. Tag fill at 2100' K.B. Push scraper down to 2150'. Rig in pump and wash out well to 2200' K.B. Circulate hole clean. Secure well and equipment and shut down for the night.

September 3, 2002

Check wellhead pressure. Trip out of hole with bit and scraper. Lay down tools. Secure well and equipment. Waiting on wellhead.

September 4, 2002

Check wellhead pressure. Bleed well to tank. Service rig. Remove BOP and rental spool. Install wellhead tubing spool. Make up BHA. Trip in hole with tubing. Shut down for night and secure well and equipment.

September 5, 2002

Check wellhead pressure. Bleed well to tank. Pick up one joint tubing. Rig up to circulate. Mix 50 barrels of fresh water and inhibitor. Pump and spot inhibited fluid in casino annulus. Set casino packer at 1800' K.B. With full string weight land tubing hanger.

Make up and run second string of tubing. Remove BOPS and install dual wellhead. Test wellhead through test ports to 1000 PSI while having string isolated across wellhead. Tear out service rig and change back handling equipment. Release rig. End of job.

Well schematic is attached.

