

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS (7 1/2")

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION NAIL IN BASE OF AN 18" MAPLE 84' SOUTH EAST OF ATLANTIC SEABOARD CORP. WELL NO. 7469. ELEV. 3211.90'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

(SIGNED) Edw. Micholson
 R.P.E. 9936 L.L.S. 798

PLACE SEAL HERE

WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 #10 McJUNKIN ROAD
 NITRO, WEST VIRGINIA 25143-2506



DATE AUGUST 7, 19 96
 OPERATOR'S WELL NO. 12378
 API WELL NO. _____

47 075 00046
 STATE COUNTY PERMIT
Cancelled

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE X DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 3459.12 WATER SHED ELKLICK RUN OF THE WEST FORK OF THE GREENBRIER RIVER
 DISTRICT GREEN BANK COUNTY POCAHONTAS
 QUADRANGLE WILDELL COORDINATES LAT: 38°40'18" LONG: 79°45'39"

SURFACE OWNER MONONGAHELA NATIONAL FOREST, U.S.A. ACREAGE 1964
 OIL & GAS ROYALTY OWNER SAME AS ABOVE LEASE ACREAGE 48212
 COAL OWNER _____ LEASE NO. AS-700

PROPOSED WORK: DRILL & CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Directional Well in Storage

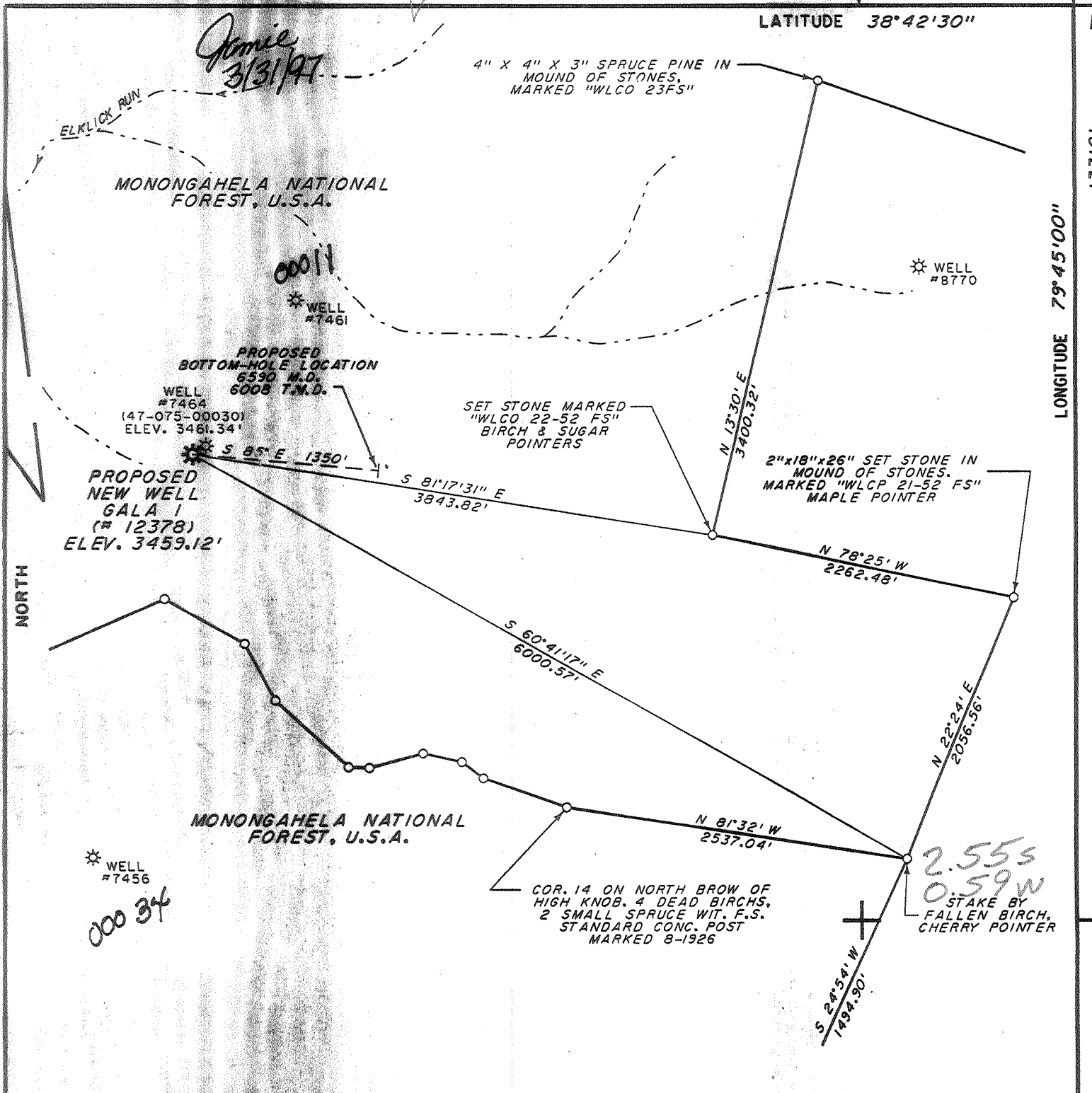
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Oniskony ESTIMATED DEPTH 6008' Proposed Length 6590'

WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT RICHARD L. COTY
 ADDRESS P.O. BOX 1273 ADDRESS P.O. BOX 1273
CHARLESTON, W.VA. 25325 CHARLESTON, W.VA. 25325

Wildell 6

POCAHONTAS COUNTY NAME PERMIT 0046 CANC

FORM WW-6



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS (7 1/2")

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION NAIL IN BASE OF AN 18" MAPLE 84' SOUTH EAST OF ATLANTIC
 SEABOARD CORP. WELL NO. 7463. ELEV. 3211.30'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

(SIGNED) *Edw. Nicholas*
 R.P.E. 9936 L.L.S. 798

PLACE SEAL HERE

WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 #10 McJUNKIN ROAD
 NITRO, WEST VIRGINIA 25143-2506



DATE AUGUST 7, 1996
 OPERATOR'S WELL NO. 12378
 API WELL NO. 47 075 00046
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE X DEEP SHALLOW
 LOCATION: ELEVATION 3459.12 WATER SHED ELKLICK RUN OF THE WEST FORK OF THE GREENBRIER RIVER
 DISTRICT GREEN BANK COUNTY POCAHONTAS
 QUADRANGLE WILDELL COORDINATES LAT: 38°40'18" LONG: 79°45'39"

SURFACE OWNER MONONGAHELA NATIONAL FOREST, U.S.A. ACREAGE 1964
 OIL & GAS ROYALTY OWNER SAME AS ABOVE LEASE ACREAGE 48212
 COAL OWNER LEASE NO. AS-700

PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Directional Well in Storage

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION Quincy ESTIMATED DEPTH 6008' *Proposed length 6590'*
 WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT RICHARD L. COTY
 ADDRESS P.O. BOX 1273 1013 ADDRESS P.O. BOX 1273
CHARLESTON, W.VA. 25325 CHARLESTON, W.VA. 25325

POCAHONTAS COUNTY NAME PERMIT

FORM W-6

Rev 3/14/97

075-0046

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

- 1) Well Operator: COLUMBIA GAS TRANSMISSION CORPORATION 10450 (2) 680
2) Operator's Well Number: GLADY STORAGE 12378 3) Elevation: 3,459.12 feet
4) Well type: (a) Oil / or Gas X /
(b) If Gas: Production / Underground Storage X / Deep X / Shallow /
5) Proposed Target Formation (s): Oriskany 475
6) Proposed Total Depth: 6,590 feet
7) Approximate fresh water strata depths: 239 feet & 310 feet
8) Approximate salt water strata depths: None Anticipated
9) Approximate coal seam depths: None Anticipated
10) Does land contain coal seams tributary to active mine? Yes / No X /
11) Proposed Well Work: COLUMBIA PROPOSES TO DRILL AND COMPLETE A NEW DIRECTIONALLY ORIENTED GAS STORAGE WELL

Issued 03/31/97 Expires 03/31/99

RECEIVED WV Division of Environmental Protection

MAR 14 1997

Permitting Office of Oil & Gas

CASING AND TUBING PROGRAM

Table with columns: TYPE, SPECIFICATIONS (Size, Grade, Weight per ft.), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT (Fill - up). Rows include conductor, Fresh Water, Coal, Intermediate, Production, Tubing, and Liners.

PACKERS: Kind None Sizes Depths set

For Division of Oil and Gas Use Only

- Fee(s) paid: Well Work Permit Reclamation Fund WPCP Plat WW-9 WW-2B Bond Agent

00108 945

Blanket (Type)

Environmental Protection

MAR 14 1997

Permitting
Office of Oil & Gas

- 1) Date: 2/1/97
- 2) Operator's well number
GLADY WELL 12378
- 3) API Well No: 47 - 075 - 0046
State - County - Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
 - a) Name United States Forest Service
Address Monongahela National Forest
P. O. Box 1548, Elkins, WV 26241
 - b) Name _____
Address _____
 - c) Name _____
Address _____

- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner (s) with Declaration
Name United States Dept. Of Interior, Bureau Of Land Mgt
Address P.O. Box 631
Milwaukee, WI 53201-0631 Attn: Tim Abing
 - Name _____
Address _____

- 6) Inspector Phillip Tracy
Address Route 2, Box 37-A
Montrose, WV 26283
Telephone (304) - 636-8798

- (c) Coal Lessee with Declaration
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
 X Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through on the above named parties, by:

- Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

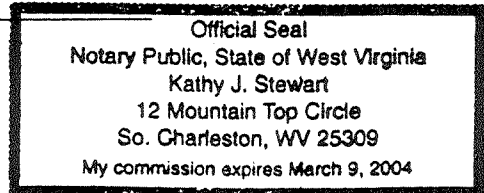
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator COLUMBIA GAS TRANSMISSION CORP.
By: W. Fraker
Its: Senior Storage Engineer / Well Services
Address Route 3, Box 216
Elkins, WV 26241
Telephone _____

Subscribed and sworn before me this 6th day of March, 19 97

Kathy J. Stewart Notary Public
My commission expires March 9, 2004



*Storage Lease
in Columbia's
Office
in
Kavanaugh
Atty
See
Jack Coty*