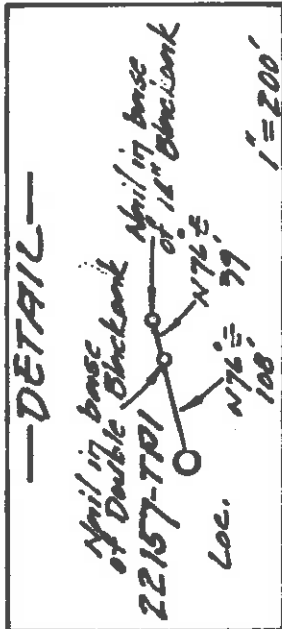
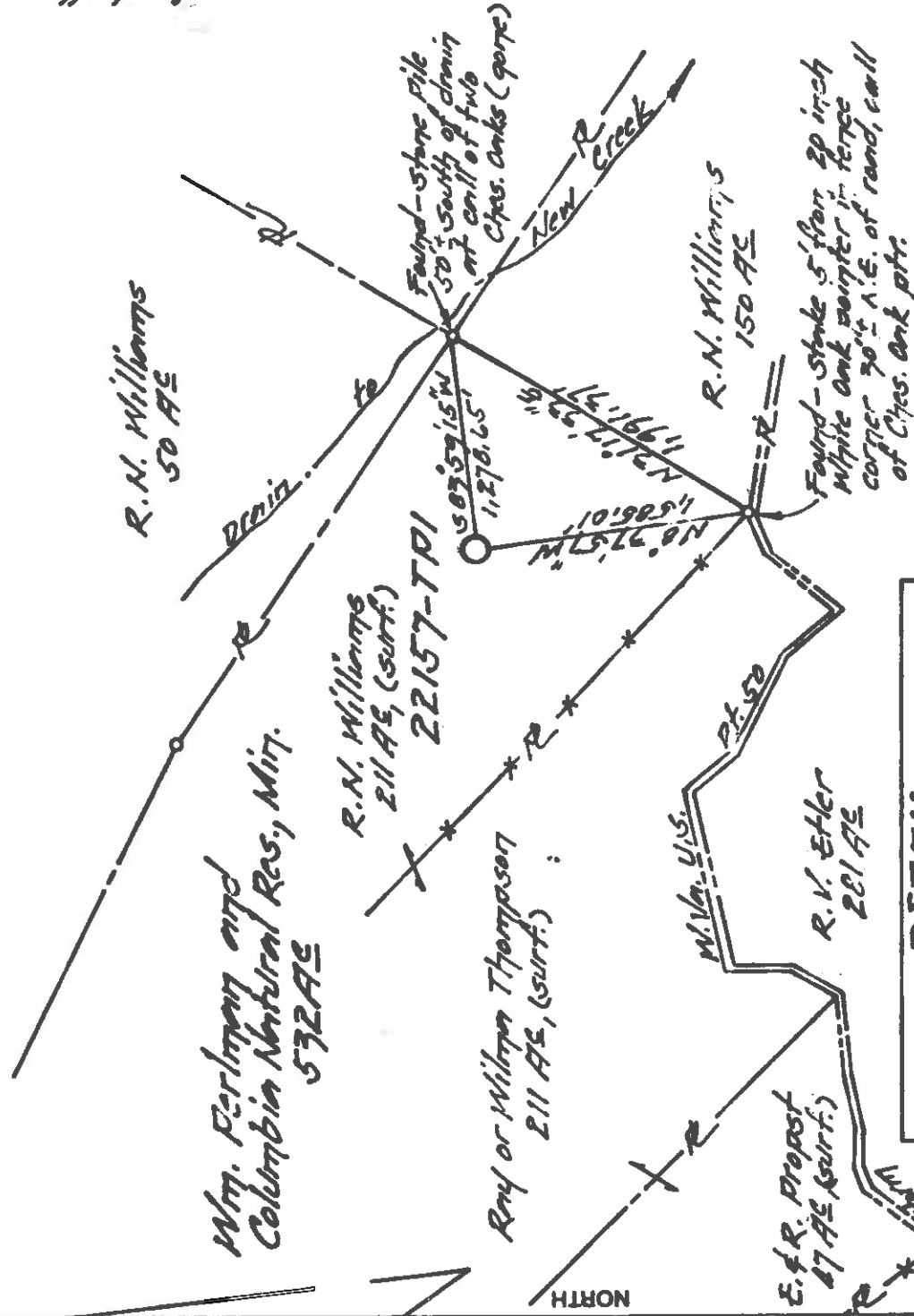


Jamie/12/19/19

LATITUDE 39° 22' 30"

LONGITUDE 79° 05' 00"

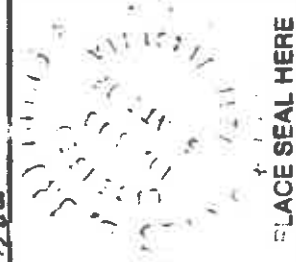


Co-ord nt location  
 Cont: 79° 20' 16"  
 Long: 79° 06' 15"

NS-110-A  
 19.26 L.P.R. Note  
 Can't Not Operated

FILE NO. 177171 (Abstract)  
 DRAWING NO. 22157-T.P.I.  
 SCALE 1" = 100'  
 MINIMUM DEGREE OF  
 ACCURACY Lev't in 2500  
 PROVEN SOURCE OF  
 ELEVATION U.S. Gov't B.M.  
27 New Creek - Elev. 1153'

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) Jamie D. Browning  
 P.E. L.S. 390



STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



DATE Nov 3 1920  
 OPERATOR'S WELL NO. FE157-T.P.I.  
 API WELL NO. Cancelled  
47 057 0093  
 STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 2505.1' WATERSHED New Creek  
 DISTRICT New Creek COUNTY Mineral  
 QUADRANGLE Antioch, W.Va.  
 SURFACE OWNER R.N. Williams ACREAGE 211  
 OIL & GAS ROYALTY OWNER Wm. Perleman - Col. Nat. Gas. LEASE ACREAGE 572  
 LEASE NO. Exec 295105 L (177197)

PROPOSED WORK: DRILL  CONVERT  REDRILL  FRACTURE OR  
 STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW  
 FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

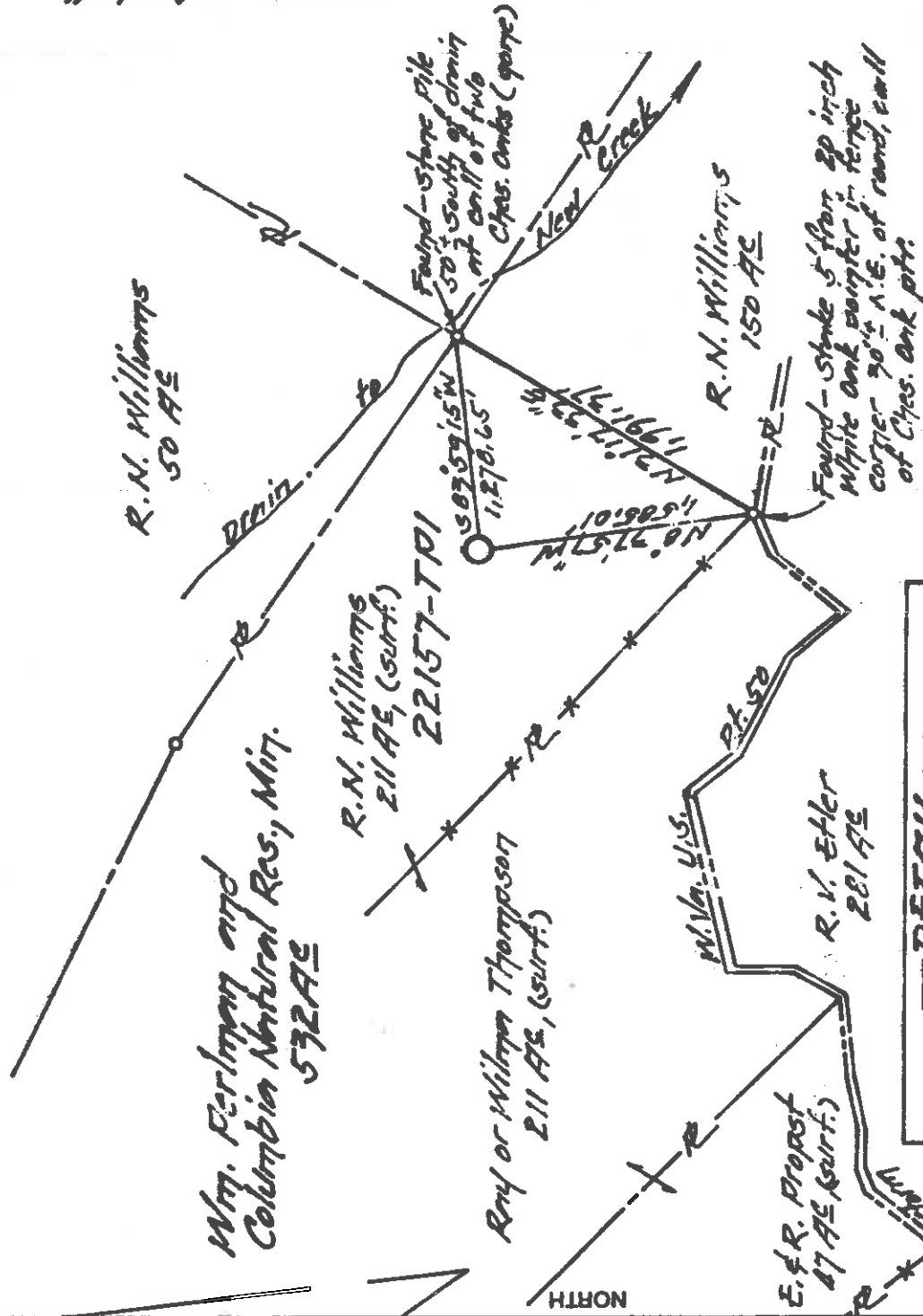
PLUG AND ABANDON  CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION Oriskany ESTIMATED DEPTH 960'  
 WELL OPERATOR Columbia Natural Gas, Inc. DESIGNATED AGENT J.E. Campbell  
 ADDRESS P.O. Box 6070 ADDRESS Same  
Charleston, W.Va. 25362

COUNTY NAME \_\_\_\_\_ PERMIT \_\_\_\_\_

James 1/22/91

LATITUDE 39° 22' 30"

LONGITUDE 79° 05' 00"



---DETAIL---

April in base of Double Blackbank 22157-TPI 18" of 18" Blackbank

Loc. N76° E 100' N76° E 79' 1" = 200'

5.48  
1.12  
E.L.L. Ordub. C

Co-ord not location  
Lat: 39° 20' 16"  
Long: 79° 06' 15"

NB-210-A  
Pg. 26 L.D.R. Note  
Cont Not Oriented

FILE NO. 177197 (Abstract)

DRAWING NO. 22157-T.P.1.

SCALE 1" = 1000'

MINIMUM DEGREE OF ACCURACY 1/4" = 100'

PROVEN SOURCE OF ELEVATION Lev. Gov't B.M. 07 New Creek - Elev. 1153'

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) James J. Branning  
S.P.E. I.L.S. 390



PLACE SEAL HERE

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



DATE Nov 3 1990  
OPERATOR'S WELL NO. 22157-TPI  
API WELL NO.

47 - 057 - 0093  
STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
(IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 2505.41' WATER SHED New Creek  
DISTRICT New Creek COUNTY Mineral

QUADRANGLE Antioch, W.Va.  
SURFACE OWNER R.N. Williams  
OIL & GAS ROYALTY OWNER Wm. Perlmay - Col. Nat. Res. LEASE ACRES 532  
LEASE NO. EX 295105 L (177197) ACREAGE 211

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON  CLEAN OUT AND REPLUG \_\_\_\_\_  
TARGET FORMATION Oriskany ESTIMATED DEPTH 2,600'  
WELL OPERATOR Columbia Natural Res., Inc. DESIGNATED AGENT J. E. Campbell  
ADDRESS P.O. Box 6070 ADDRESS State  
Charleston, W.Va. 25362

COUNTY NAME PERMIT



057-0093  
Issued 1/28/91

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

Expires 1/28/93

1) Well Operator: Columbia Natural Resources, Inc. 10460 (4) 215  
 2) Operator's Well Number: 22157 3) Elevation: 2505.41

4) Well type: (a) Oil  or Gas   
 (b) IF Gas: Production  Underground Storage   
 Deep  Shallow

5) Proposed Target Formation(s): Oriskany  
 6) Proposed Total Depth: 9600 feet  
 7) Approximate fresh water strata depths: JAN 09 91  
 8) Approximate salt water depths: Permitting  
 9) Approximate coal seam depths: Oil and Gas Section

10) Does land contain coal seams tributary to active mine? Yes  No

11) Proposed Well Work: Drill gas well/stimulate  
 12) New Well

CASING AND TUBING PROGRAM  
Exploratory - yellow  
no cement over

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	13-3/8	H	48	90	90	63
Fresh Water						
Coal						
Intermediate	9-5/8	J	40	3500	3500	1095
Production	5-1/2	N	17	9600	9600	554
Tubing						
Liners						

PACKERS : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

For Division of Oil and Gas Use Only  
 Fee(s) paid: Plat WW-9 WW-2B Bond Reclamation Fund WPCP  
 Agent

5018749

1) Date: December 12, 1990  
2) Operator's well number 22157-TPI  
3) API Well No: 47 - 057 - 0093  
State - County - Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

DEPARTMENT OF ENERGY  
WV 0991

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

Oil and Gas Section

- 4) Surface Owner(s) to be served:
- (a) Name Ronel Neil Williams  
Address 205 McKimley Street  
Westernport, MD 21562
- (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
- (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 6) Inspector Phillip Tracy  
Address Route 2, Box 37-A  
Montrose, WV 26283  
Telephone (304) - 636-8798
- 5) (a) Coal Operator:  
Name \_\_\_\_\_  
Address \_\_\_\_\_
- (b) Coal Owner(s) with Declaration  
Name Columbia Natural Resources, Inc.  
Address P. O. Box 6070  
Charleston, WV 25362-0070
- Name William Periman  
Address 808 Travis St., Niels Eperson Bldg.  
Houston, TX 77002
- (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

Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 4 on the above named parties, by:

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

I have read and understand Chapter 22B 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.

OFFICIAL SEAL

NOTARY PUBLIC STATE OF WEST VIRGINIA

STEPHEN V. SMOULDER

P. O. BOX 6070

CHARLESTON, WV 25362

MY COMMISSION EXPIRES 05 - 25 - 98

Well Operator

By:

Its:

Address P. O. Box 6070

Charleston, WV 25362-0070

Telephone 304/353-5000

Subscribed and sworn before me this 17 day of December, 1990

My commission expires May 25, 1998 Notary Public