

CALL TABLE		
A.	S 61° 57' E	1386.00'
B.	S 60° 57' E	726.21'
C.	N 74° 08' E	661.41'
D.	N 34° 28' E	627.00'
E.	N 47° 28' E	198.00'
F.	N 3° 28' E	825.00'
G.	S 17° 38' E	3052.50'

Unit Line & Property Line

WELL TIES		
①	N44° 21' E	3371'
②	N21° 23' W	1889'

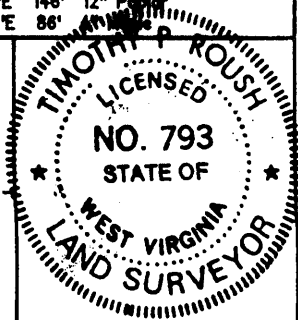
LOCATION REFERENCES			
N2° 35' W	112'	3"	Redbud
N45° 28' E	146'	12"	Peppit
S70° 36' E	86'	12"	Peppit

(H) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

FILE NO. 1781  
 MAP NO. N57 N 3 S E W4  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION F.R. Ball No.9  
(47-095-0548) = 1152'

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 MINES.

(SIGNED) Timothy P. Roush  
 TIMOTHY P. ROUSH PS 793



STATE OF WEST VIRGINIA  
 DIVISION OF ENERGY  
 OIL AND GAS SECTION



DATE March 31, 19 93  
 FARM John J. Reilly NO. J-16  
 API WELL NO. 47-103-1534

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 954' WATERSHED Cale Run  
 DISTRICT Green COUNTY Wetzel  
 QUADRANGLE Centerpoint

*Cancelled*

SURFACE OWNER State of West Virginia ACREAGE 220 Ac.  
 OIL & GAS ROYALTY OWNER Pennzoil Products Co. et.al. LEASE ACREAGE 221 Ac.  
 LEASE NO. 57098-00

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

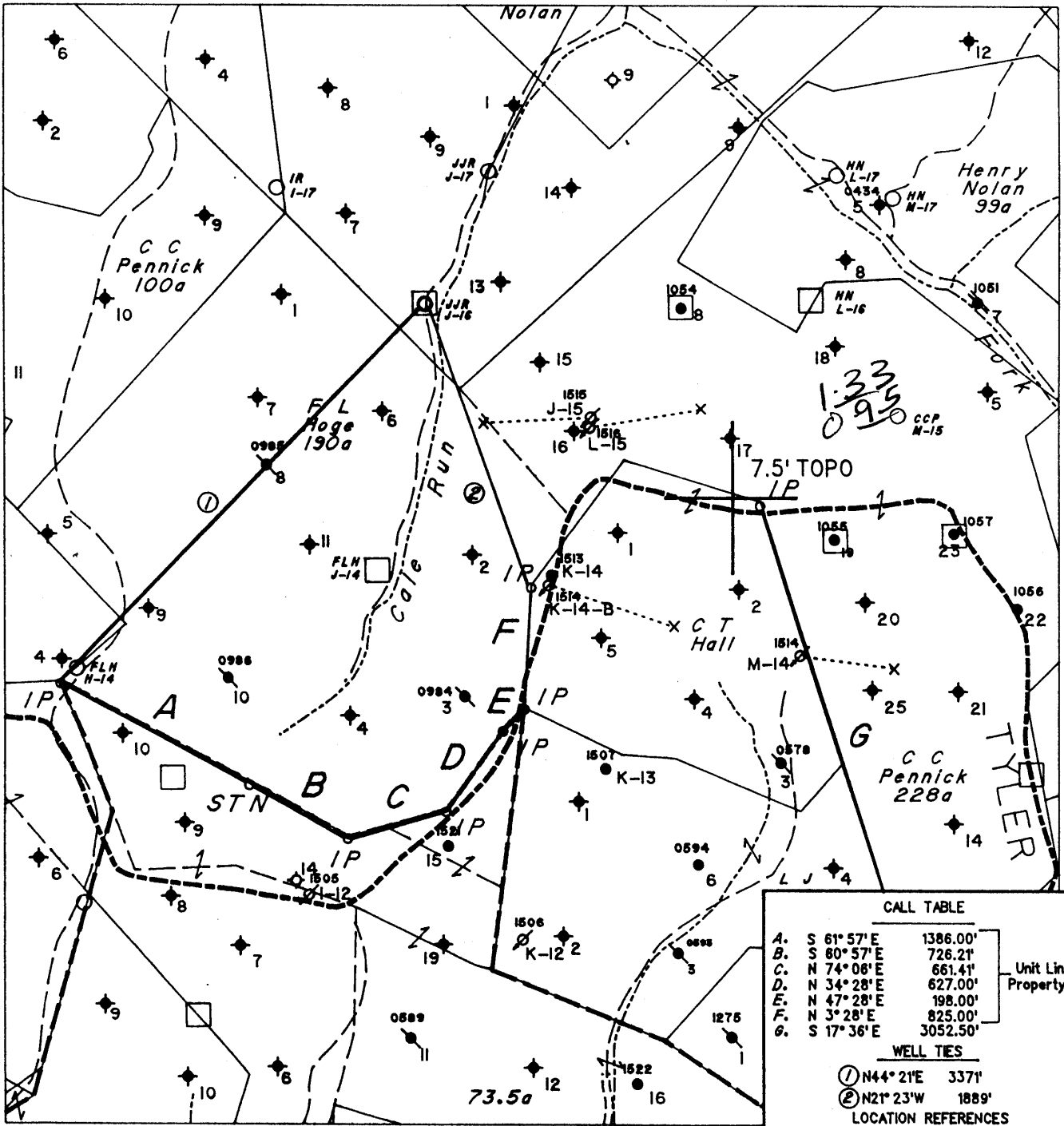
PLUG AND ABANDON  CLEAN OUT AND REPLUG   
 TARGET FORMATION Garden ESTIMATED DEPTH 2935'

WELL OPERATOR Pennzoil Products Company DESIGNATED AGENT James A. Crews  
 ADDRESS P. O. Box 5519 ADDRESS P. O. Box 5519  
Vienna, W.Va. 26105 Vienna, W.Va. 26105

5000'

LATITUDE 39° 30' 00"

LONGITUDE 80° 40' 00"



CALL TABLE		
A.	S 61° 57' E	1386.00'
B.	S 80° 57' E	726.21'
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LOCATION REFERENCES

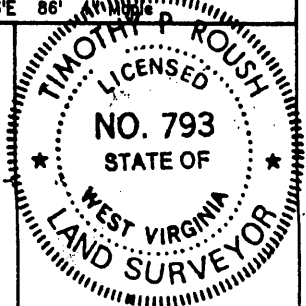
N2° 35' W	112' 3"	Redbud
N45° 26' E	146' 12"	Poplar
S70° 36' E	86'	Apple

(H) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

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(SIGNED) Timothy P. Roush  
 TIMOTHY P. ROUSH PS 793



STATE OF WEST VIRGINIA  
 DIVISION OF ENERGY  
 OIL AND GAS SECTION



DATE March 31, 19 93  
 FARM John J. Reilly NO. J-16  
 API WELL NO. 47-103-1534

WELL TYPE: OIL X GAS \_\_\_ LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 954' WATERSHED Gate Run  
 DISTRICT Green 6 COUNTY Wetzel  
 QUADRANGLE Centerpoint NW

SURFACE OWNER State of West Virginia ACREAGE 220 Ac.  
 OIL & GAS ROYALTY OWNER Pennzoil Products Co. et al. LEASE ACREAGE 221 Ac.  
 LEASE NO. 57098-00

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

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION Gordon ESTIMATED DEPTH 2935'

WELL OPERATOR Pennzoil Products Company DESIGNATED AGENT James A. Crews  
 ADDRESS P. O. Box 5519 ADDRESS P. O. Box 5519  
Vienna, W.Va. 26105 673 4670 Vienna, W.Va. 26105

MAR 31 1993

FORM IV-6

RECEIVED

Environmental Protection

APPROX 5/93

Permitting Office of Oil & Gas

103-1534  
Issued 05/03/93

Page 3 of 4

Expires 05/03/95

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

- 1) Well Operator: Pennzoil Products Company 37450 (5) 286
- 2) Operator's Well Number: JOHN J. REILLY #J-16 3) Elevation: 954'
- 4) Well type: (a) Oil X/ or Gas   /  
(b) If Gas: Production   / Underground Storage   /  
Deep   / Shallow
- 5) Proposed Target Formation(s): Gordon 419
- 6) Proposed Total Depth: 2935' feet
- 7) Approximate fresh water strata depths: 134'
- 8) Approximate salt water depths: >140'
- 9) Approximate coal seam depths: 765'
- 10) Does land contain coal seams tributary to active mine? Yes   / No X/
- 11) Proposed Well Work: Drill & Stimulate New Well
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						38CSR18-11.3
Fresh Water	8 5/8	L.S.	20	206	206	Cement to Surface
Coal						38CSR18-11.2
Intermediate						
Production	4 1/2	J-55	10.5	2935	2935	Cement over Salt Sand
Tubing						38CSR18-11.1
Liners						

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

For Division of Oil and Gas Use Only

Fee(s) paid:  Well Work Permit  Reclamation Fund  
 Plat  WW-9  WW-2B  Bond *Bank of America*

17090

18907

1) Date: April 13, 1993  
2) Operator's well number  
JOHN J. REILLY #J-16  
3) API Well No: 47 - 103 - 1534  
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:  
(a) Name WV Public Land Corp.  
Address Bldg. #3, Room 643  
1900 Kanawha Blvd., E.  
(b) Name Charleston, WV 25305  
Address \_\_\_\_\_  
(c) Name Dept. of Natural Resources  
Address 1304 Goose Run Road  
Fairmont, WV 26554  
ATTN: Gary M. Foster  
6) Inspector Randall Mick  
Address 111 Blackshere Drive  
Mannington, WV 26582  
Telephone (304)-987-3324

INSPECTOR:  
5) (a) ~~XXXXXXXXXXXX~~  
Name Mike Underwood  
Address Rt. #2, Box 135  
Salem, WV 26426 (304)782-1043  
(b) Coal Owner(s) with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(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 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 \_\_\_\_\_ 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 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.

Well Operator Pennzoil Products Company  
By: Timothy P. Roush *Timothy P. Roush*  
Its: Supervisor - Surveying/Mapping  
Address P.O. Box 5519  
Vienna, WV 26105  
Telephone (304) 422-6565

Subscribed and sworn before me this 13th day of April, 1993

*Joyce M. Board*  
My commission expires October 24, 1999

OFFICIAL SEAL  
NOTARY PUBLIC  
Notary Public  
STATE OF WEST VIRGINIA  
JOYCE M. BOARD  
P. O. Box 5519