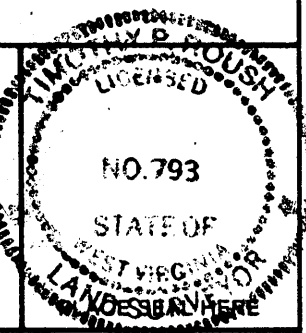


FILE NO. 1280
 MAP N47 SOS NI W4
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION PENNZOIL COMPANY RECORDS

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 P.S. 793



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE JULY 20, 1990
 FARM F.R. BALL NO. 8
 API WELL NO.

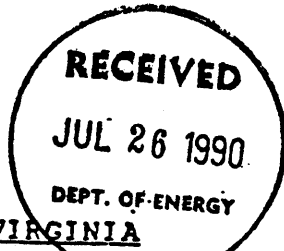
47 - 095 - 1413-X

(X) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL OBSERVATION
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,239 WATER SHED INDIAN CREEK
 DISTRICT MOELROY 5 COUNTY TYLER
 QUADRANGLE CENTER POINT / 15 NW
 SURFACE OWNER RALPH & BETTY HAYES ACREAGE 171.5
 OIL & GAS ROYALTY OWNER PENNZOIL CO. LEASE ACREAGE _____
 LEASE NO. 15459-50
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

The 1898 well for observation
Redrill on 9-20-90
According to DEP

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION FRESH WATER ZONE ESTIMATED DEPTH 640'
 WELL OPERATOR PENNZOIL PRODUCTS CO. DESIGNATED AGENT JAMES A. CREWS
 ADDRESS PO BOX 5519 ADDRESS PO BOX 5519
VIENNA, WV 26105 ADDRESS VIENNA, WV 26105

AUG 10 1990



095-1413-Red
 Issued 8/10/90
 Expires 8/10/92
 Page 3 of 4

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: F. R. Bail No. 8 3) Elevation: 1239'
- 4) Well type: (a) Oil or Gas Observation
 (b) If Gas: Production Underground Storage
 Deep Shallow
- 5) Proposed Target Formation(s): Fresh Water Zone
- 6) Proposed Total Depth: 640' feet
- 7) Approximate fresh water strata depths: 435'
- 8) Approximate salt water depths: NA
- 9) Approximate coal seam depths: NA
- 10) Does land contain coal seams tributary to active mine? Yes No
- 11) Proposed Well Work: Redrill abandoned well to 100' below fresh water for observation purposes only.
- 12)

CASING AND TUBING PROGRAM

Redrill 1898 well for observation only

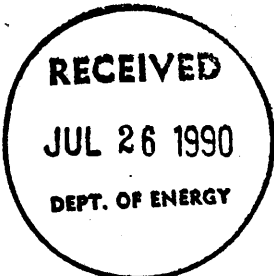
TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						
Fresh Water	5-1/2"*	J-55	15.5#	640'	640'	Cement to surface
Coal						
Intermediate						
Production						
Tubing						
Liners						

PACKERS : Kind *Run up to 5-1/2" casing as downhole conditions allow.
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

10325
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Blanket sure Agent
 (TVDE)

11007



- 1) Date: July 20, 1990
- 2) Operator's well number
F. R. Ball No. 8
- 3) API Well No: 47 - 095 - 1413-RED
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

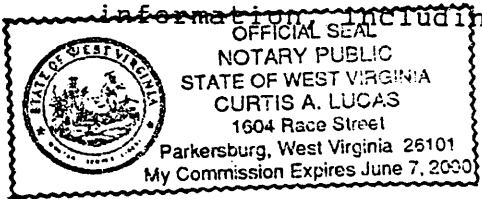
- 4) Surface Owner(s) to be served:
 - (a) Name Ralph O. & Betty J. Hayes
Address Jacksonburg, WV 26377
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Glen P. Robinson
Address P. O. Box 1
Bellville, WV 26133
Telephone (304)-863-8766

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
Its: Supervisor, Surveying/Mapping
Address P O Box 5519
Vienna, WV 26105-5519
Telephone (304) 422-6565

Subscribed and sworn before me this 20th day of July, 1990

Curtis A. Lucas Notary Public
My commission expires June 7, 2000