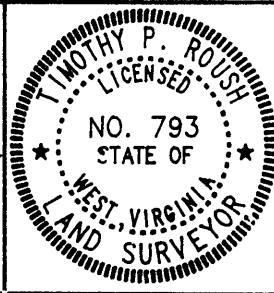


Call Table	
A	S20° W 62 P.
B	S61° 14'E 709.5'
C	N77° 47'E 594.0'
D	N60° 34'E 701.0'
E	N19° W 40 P.
WELL TIES	
①	N17° 13'E 4586'
②	N1° 56'E 4599'
LOCATION REFERENCES	
N84° 43'E	143' Tele. Pole
N52° 23'E	389' Baker WSW
N24° 25'E	182' 8" Maple

Note: All Known Water Supply Sources Located Within 1000' Of Proposed Well Are Shown
 (H) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 ♦ Denotes a Water Supply Source

FILE NO. 1818
 MAP NO. N47 N S1 E W 5
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION USGS BM - 902

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

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 800' WATERSHED Indian Creek
 DISTRICT McElroy COUNTY Tyler
 QUADRANGLE Centerpoint 7.5'
 SURFACE OWNER Pennzoil Products Co. et al. ACREAGE 3.2 Ac.
 OIL & GAS ROYALTY OWNER Pennzoil Products Co. et al. LEASE ACREAGE 60 Ac.
 LEASE NO. 47495-00

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 Gordon ESTIMATED DEPTH 2800'

WELL OPERATOR Pennzoil Products Company DESIGNATED AGENT Philip S. Ondrusek
 ADDRESS P. O. Box 5519 Vienna, W.Va. 26105 ADDRESS P. O. Box 5519 Vienna, W.Va. 26105

DATE May 28, 1996
 FARM Silas Wyatt NO. E-2 Rev.
 API WELL NO. 47-095-01650-5

redrilled as 0951663

JUN 14 1996

8-0 95

STATE OF WEST VIRGINIA
 DIVISION OF ENERGY
 OIL AND GAS SECTION

NOV 19 1996

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: Pennzoil Products Co.

Operator Well No.: Silas Wyatt E-2

LOCATION: Elevation: 800.00

Quadrangle: Center Point

District: McElroy

County: Tyler

Latitude: 5,400 Feet south of

39 Deg 27 Min 30 Sec.

Longitude: 9,850 Feet west of

80 Deg 40 Min 0 Sec.

Company: PENNZOIL PRODUCTS COMPANY
P.O. BOX 5519
VIENNA, WV 26105-5519

Agent: PHILIP S. ONDRUSEK

Inspector: Mike Underwood

Permit Issued: 6/10/96

Well work Commenced: 8/6/96

Well work Completed: 8/7/96

Verbal plugging permission granted on: 8/7/96

Rotary Cable Rig

Total Depth (feet) 350'

Fresh water depths (ft) 39', 56'

Salt water depths (ft) 320'

Is coal being mined in area (Y/N) N

Coal Depths (ft): NA

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11"	36'	36'	
8 5/8"	263'	263'	155 Sks

OPEN FLOW DATA

*Well was plugged on verbal permission of Inspector.

Well was re-drilled as Silas Wyatt No. E-2-B (47-095-1663 S).

Producing formation _____ * Pay zone depth (ft) _____ *

Gas: Initial open flow _____ * MCF/d Oil: Initial open flow _____ * Bbl/d

Final open flow _____ * MCF/d Final open flow _____ * Bbl/d

Time of open flow between initial and final tests _____ * Hours

Static rock pressure _____ * psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM, PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: PENNZOIL PRODUCTS COMPANY

By: *[Signature]*

Date: 11/13/96

NOV 19 1996

11/22/97
batch

TYL 1650

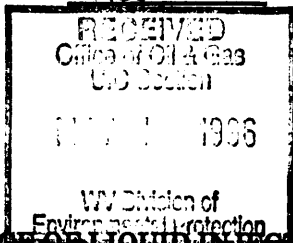
Treatment:

No treatment was performed.

Well Log:

No Log was obtained, See Silas Wyatt No.E-2-B (47-095-1663) for Log.

Obverse
10/91



22140

1) Date May 7, 1996
 2) Well No. Silas Wyatt No.E-2
 3) SIC Code _____
 4) API Well No. 47 - 096 - 1650-LI
 State County Permit
 5) UIC Code _____

*Issued 06/10/96
 Expires 06/10/98*

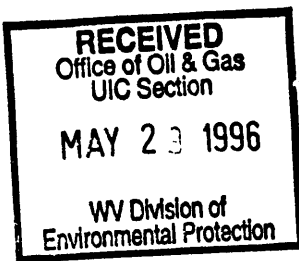
STATE OF WEST VIRGINIA
 OFFICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION
 for the
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

- WELL TYPE: Liquid Injection X Gas Injection _____ Waste Disposal _____
- LOCATION: Elevation 800 Watershed Indian Creek
 District McElroy County Tyler Quadrangle _____ Centerpoint 286
- 8) WELL OPERATOR: Pennzoil Products Company 4670 9) DESIGNATED AGENT: Philip S. Ondrusek
P.O. Box 5519 3745 P.O. Box 5519
Vienna, WV 26105 Vienna, WV 26105
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED: 11) DRILLING CONTRACTOR:
 Name Mike Underwood Name _____
 Address Route 2, Box 185 Address _____
Salem, WV 26426
- 12) PROPOSED WELL WORK: Drill X Drill Deeper _____ Redrill _____ Stimulate X
 Plug Off Old Formation _____ Perforate New Formation _____ Convert _____
 Other Physical Change in Well (specify) _____
- 13) Geological target formation Gordon 419 Depth 2660 Ft. (Top) to 2675 Ft. (Bottom)
- 14) Estimated depth of completed well (or actual depth of existing well) 2800 Ft.
- 15) Approximate water strata depths: Fresh 30 Ft. Salt 1007 Ft.
- 16) Approximate coal seam depths: 612 Ft.
- 17) Is coal being mined in the area? Yes X No
- 18) Virgin reservoir pressure in target formation: 1400 psig. Source Estimated
- 19) Estimated reservoir fracture pressure: 3500 psig.
- 20) Maximum proposed injection operations: Volume per hour 25 bbl. Bottom Hole Pressure 2332 psig.
- 21) Detailed identification of materials to be injected, including additives: Fresh water, produced water, bactericides and other chemicals as needed to maintain water quality and improve oil recovery.
- 22) Filters (if any): Cartridge filters and/or coal bed filters
- 23) Specifications for cathodic protection and other corrosion control: _____

24) CASING AND TUBING PROGRAM:

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILLUP OR SACKS	PACKERS
	Size	Grade	Weight	New	Used	For Drilling	Left in Well		
Conductor	<u>11 3/4</u>					<u>32'</u>	<u>32'</u>		Kinds
Fresh Water	<u>8 5/8"</u>	<u>L.S.</u>	<u>20#</u>	<u>X</u>		<u>240</u>	<u>240</u>	<u>Cement To</u>	
Coal								<u>Surface</u>	Sizes
Intermediate									
Production	<u>4 1/2"</u>	<u>J-55</u>	<u>10.5#</u>	<u>X</u>		<u>2800</u>	<u>2800</u>	<u>Cement Over</u>	Depths Set
Tubing								<u>Salt Sand</u>	
Liners									Perforations
									Top Bottom

- 25) APPLICANTS OPERATING RIGHTS were acquired from Kermit McIntyre et al.
 by Deed _____ Lease X Other Contract _____ Dated August 22, 1980 of record in the
Tyler County Clerk's Office in Deed Book 226 at Page 277



1) Date May 28, 1996
2) Well No. Silas Wyatt No.E-2 Rev.
3) SIC Code _____
4) API Well No. 47 - 095 - 1650-21
State County Permit

STATE OF WEST VIRGINIA
NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION
for the
DIVISION OF OIL AND GAS, DEPARTMENT OF ENERGY

6) SURFACE OWNER(S) OF RECORD TO BE SERVED

(i) Name Pennzoil Products Co.
Address P.O. Box 5519
Vienna, WV 26105

(ii) Name _____
Address _____

(iii) Name _____
Address _____

7 (i) COAL OPERATOR:
Name N/A
Address _____

7 (ii) COAL OWNER WITH DECLARATION ON RECORD:
Name N/A
Address _____

7(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name N/A
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Liquid Injection or Waste Disposal Well Work Permit on Form WW-3(B), which sets out the parties involved in the drilling or other work, and
- (2) The plat (surveyor's map) showing the well location on Form WW-6; and
- (3) The Construction and Reclamation Plan on Form WW-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

The date proposed for the first injection or waste disposal is _____

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM WW-3(B)) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22B of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Director of the Division of Oil and Gas, West Virginia Department of Energy, with respect to a well at the location described on the attached Application and depicted on attached Form WW-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Director.

The person signing this document shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document 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."

Pennzoil Products Company
Well Operator
By [Signature]
Its Supervisor, Surveying/Mapping
Telephone (304) 422-6565

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-095-1650-LI

Date June 10th. 19 96

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and (if required) construction and reclamation plan, subject to any modifications and conditions specified below.

Permit expires 8-10-98 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: ✓	Agent: ✓	Plat: <i>AS</i>	Casing	Fee CK#
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030134471

Michael D. Jaur
CHIEF, OFFICE OF OIL AND GAS

NOTE: Keep one copy of this permit posted at the drilling location.

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

OFFICE USE ONLY

This part of Form IV-3(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Follow-up inspection(s)	Date(s)
Application received			
Well work started		
Total depth reached		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: _____

Reason: _____