

CALL TABLE	
A. S 44° 27' W	364.4'
B. S 28° 27' W	231.8'
C. S 43° 57' W	563.2'
D. S 40° 33' E	148.5'
E. S 44° 33' E	74.3'
F. S 16° 33' E	495.0'
G. S 18° 57' E	208.6'
H. N 56° 18' W	1544.4'

Unit Line & Property Line

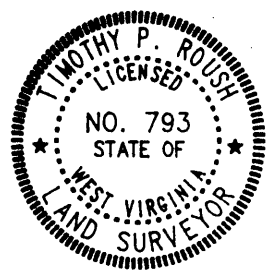
WELL TIES	
① S39° 46' W	7397'
② S45° 37' W	6931'

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

FILE NO. 1806
 MAP NO. N.47 N. S.1 E. W.4
 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



DATE May 26, 19 95
 FARM H.S. Underwood NO. 1
 API WELL NO. 47-095-01637-W

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL OBSERVATION
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 814' WATERSHED Indian Creek
 DISTRICT McElroy COUNTY Tyler
 QUADRANGLE Centerpoint 7.5' NW

was 095 70451

SURFACE OWNER Paul Glover ACREAGE 61.01
 OIL & GAS ROYALTY OWNER Paul Glover LEASE ACREAGE _____

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 Fresh Water Zones ESTIMATED DEPTH 200'

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

MAY 26 1995
 (095)
 8-0 X

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

Well Operator's Report of Well Work

Permitting
Office of Oil & Gas

Farm name: GLOVER, STEPHEN PAUL Operator Well No.: H.S.UNDERWOOD#1

LOCATION: Elevation: 814.00 Quadrangle: CENTER POINT

District: MCELROY County: TYLER
Latitude: 4850 Feet South of 39 Deg. 27Min. 30 Sec.
Longitude 6900 Feet West of 80 Deg. 40 Min. 0 Sec.

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

Agent: JAMES A. CREWS

Inspector: MIKE UNDERWOOD
Permit Issued: 06/14/95
Well work Commenced: 06/09/95
Well work Completed: 06/20/95

Verbal Plugging
Permission granted on:
Rotary Cable Rig
Total Depth (feet) 689'
Fresh water depths (ft) NA

Salt water depths (ft) NA

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.
8"	275'	275'	130 Sks.

OPEN FLOW DATA *This is a waterflood observation well with no production.

Producing formation NA Pay zone depth ft) NA
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: 11/2/95

NOV 13 1995

H. S. UNDERWOOD NO. 1 WELL.

Not located.

McElroy?
.....District, Tyler County, W. Va.
South Penn Oil Co.
Near Doddridge County line.

70451 → 1637

No location
Found

7
/

	Top.	Bottom.
Pittsburgh Coal	630	
Big Injun Sand	1950 -	2125
Stray Sand (small of oil, 2685')	2670 -	2687
Gordon Sand (oil, 2690')	2687 -	2708

Comp. 01/05/18

Elev. 814-

(1637-Redrilled
to 1637
observation)

abdn.
02/24/1923

IP - 50 BO/day

RECEIVED
WV Division of
Environmental Protection

095-1637-W

Issued 06/14/95

Page 3 of 4

Expires 06/14/97

was 70451?

det. by

FORM WW-2B

JUN 05 1995

Permitting
Office of the
STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

WELL WORK PERMIT APPLICATION

1. Well Operator: Pennzoil Products Company - 37450 4670 (5) 286
2. Operator's Well Number: H. S. Underwood #1 3. Elevation: 814'
4. Well type: (a) Oil or Gas or Observation
 (b) If Gas: Production Underground storage
 Deep Shallow
5. Proposed Target Formation(s): Fresh water zones
6. Proposed Total Depth: 200 feet
7. Approximate fresh water strata depths: 35'
8. Approximate salt water depths: N/A
9. Approximate coal seam depths: N/A
10. Does land contain coal seams tributary to active mine? Yes No
11. Proposed Well Work: Re-enter abandoned well & case hole to below freshwater for observational purposes only
- 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	5½	Used	--	200'	200'	Cement to surface
Fresh water						
Coal						
Intermediate						
Production						
Tubing						
Liners						

PACKERS: Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

21341
29

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

20658

10/15/1995

1) Date: June 2, 1995
2) Operator's well number
H. S. Underwood No. 1
3) API Well No: 47 - 095 - 1637-W
State - County - Permit

Permitting
Office of Oil & Gas STATE OF WEST VIRGINIA
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 Stephen Paul Glover
Address HC 62, Box 54
Alvy, WV 26322
(b) Name _____
Address _____
(c) Name _____
Address _____

5) (a) Coal Operator:
Name N/A
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address _____
Name _____
Address _____

6) Inspector Mike Underwood
Address Route 2, Box 135
Salem, WV 26426
Telephone (304)- 782-1043

(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 _____ 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.

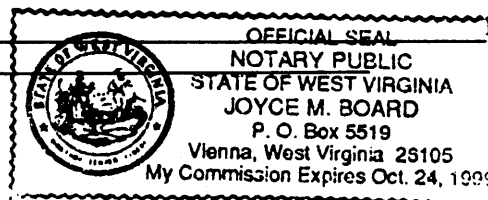
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true,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

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

Well Operator PENNYOIL PRODUCTS COMPANY
By: [Signature] 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 2nd day of June, 1995

[Signature]
My commission expires October 24, 1999



Notary Public