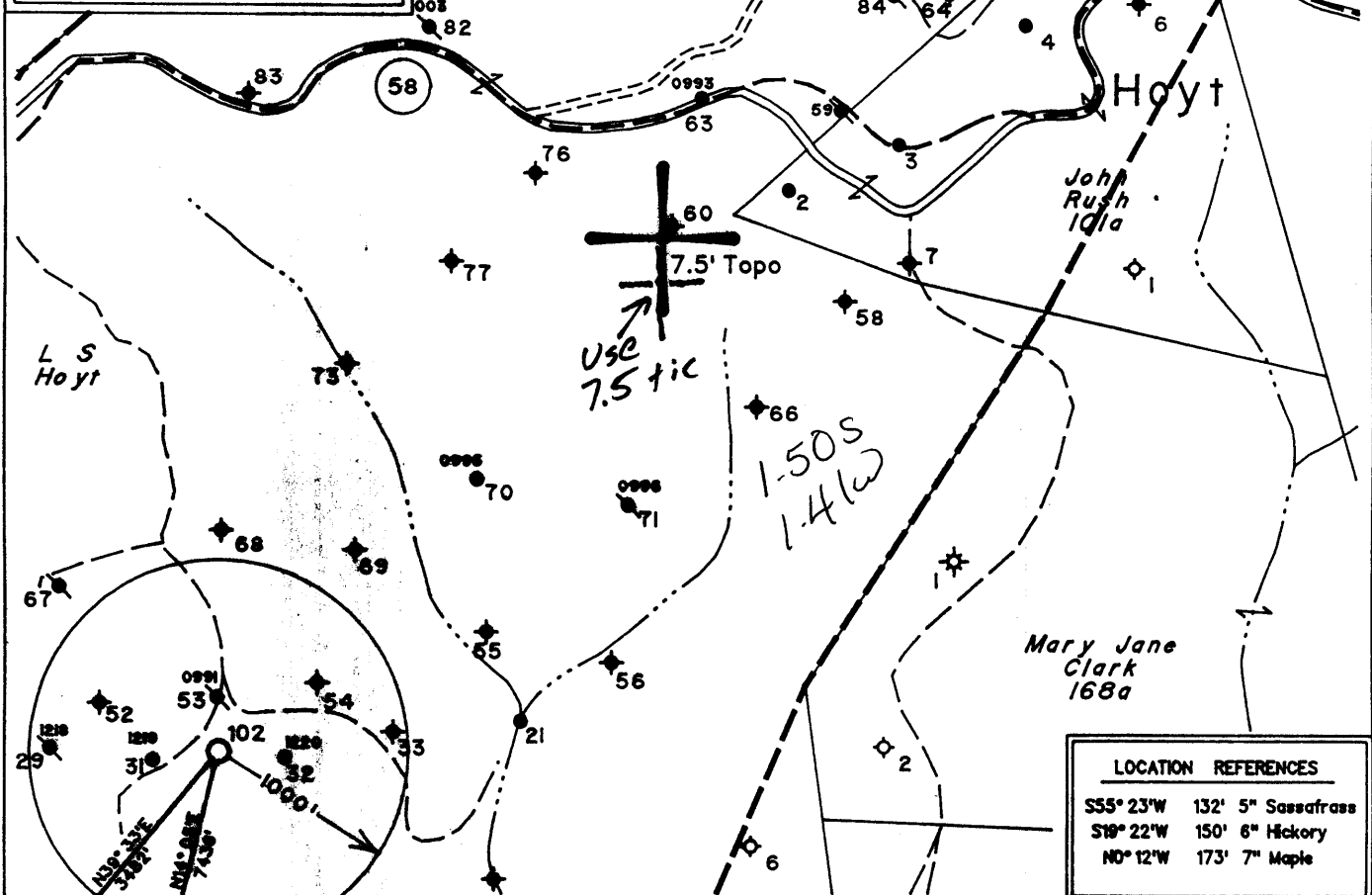
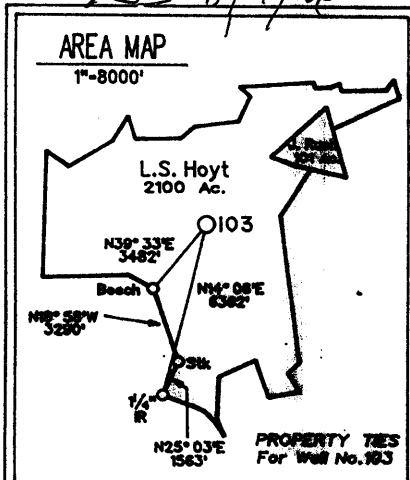


8,400'

LATITUDE 39° 37' 30"

LONGITUDE 80° 37' 30"

8/7/96



LOCATION REFERENCES	
S55° 23'W	132' 5" Sassafras
S19° 22'W	150' 6" Hickory
N0° 12'W	173' 7" Maple

Note: No Known Water Supply Sources Are Located Within 1000' Of Proposed Well

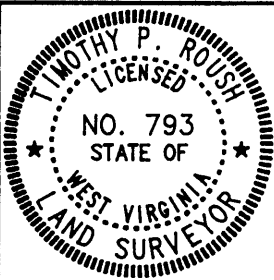
◆ - Denotes a Water Supply Source

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

FILE NO. 325
 MAP NO. N68 N 11 S E W 2
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION USGS BM - 838'

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 July 30, 19 96
 FARM L.S. Hoyt NO. 103
 API WELL NO. 47-103-01707-5

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1408' WATERSHED Barker Run
 DISTRICT Grant COUNTY Wetzel
 QUADRANGLE Pine Grove
 SURFACE OWNER Dallison Lumber Inc. ACREAGE 2099.3 Ac.
 OIL & GAS ROYALTY OWNER The Hoyt Foundation LEASE ACREAGE 2100 Ac.
 LEASE NO. 99191-00
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 3-0 40

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION Gordon ESTIMATED DEPTH 3398' AUG 28 1996
 WELL OPERATOR Pennzoil Products Company DESIGNATED AGENT Philip S. Ondrusek
 ADDRESS P. O. Box 5519 ADDRESS P. O. Box 5519
Vienna, W.Va. 26105 4670 Vienna, W.Va. 26105

FORM IV-6

NOV 19 1996
Permitting
Office of Oil & Gas

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Farm name: Dallison Lumber Company Operator Well No.: L.S. Hoyt #103

LOCATION: Elevation: 1,408.00 Quadrangle: Pine Grove
District: Grant County: Wetzel
Latitude: 8,000 Feet south of 39 Deg 37 Min 30 Sec.
Longitude: 8,400 Feet west of 80 Deg 37 Min 30 Sec.

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

Agent: PHILIP S. ONDRUSEK

Inspector: Randal Mick

Permit Issued: 8/19/96

Well work Commenced: 9/21/96

Well work Completed: 11/1/96

Verbal plugging permission granted on: _____

Rotary Cable _____ Rig _____

Total Depth (feet) 3442'

Fresh water depths (ft) NA

Salt water depths (ft) NA

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

Coal Depths (ft): 1258-1270

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1320'	1320'	540 Sacks
4 1/2"	3367.00'	3367.00'	275 Sacks

OPEN FLOW DATA *Well was drilled as a waterflood injection well. No open-flow data was obtained

Producing formation Gordon Pay zone depth (ft) 3301-3316

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: 11/12/96

NOV 28 1996

Treatment:

Perforations:

3308-3312 - 4 holes/ft. (16 Holes)

Treatment:

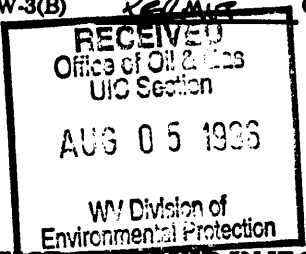
Treated via 4.5" Casing with 300 gals. 15% HCl, 212 bbls.

Borate cross-linked gelled water and 9,500 lbs. of 20/40 sand.

Well Log:

Sand & Shale	0	-	336
Sand	336	-	382
Shale	382	-	710
Sand	710	-	742
Shale	742	-	1258
Coal	1258	-	1270
Shale	1270	-	1412
Sand	1412	-	1432
Shale	1432	-	1832
Sand	1832	-	1875
Shale	1875	-	1898
Sand	1898	-	1980
Shale	1980	-	2248
Sand	2248	-	2256
Shale	2256	-	2298
Sand	2298	-	2420
L. Lime	2420	-	2438
B. Lime	2438	-	2521
B Injun	2521	-	2706
Shale	2706	-	3266
Gordon Stray	3266	-	3290
Shale	3290	-	3301
Gordon	3301	-	3316
Shale	3316	-	3442

Obverse
10/91



1) Date July 30, 1996
 2) Well No. L.S. Hoyt No.103
 3) SIC Code _____
 4) API Well No. 47 - 103 - 1707-LJ
 State County Permit
 5) UIC Code _____

Issued 08/20/96
expires 08/20/98

22408

STATE OF WEST VIRGINIA
 NOTICE 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 1408 Watershed Barker Run
 District Grant County Wetzel Quadrangle Pine Grove *548*

8) WELL OPERATOR: Pennzoil Products Company 4670
P.O. Box 5519
Vienna, WV 26105
 9) DESIGNATED AGENT: Philip S. Ondrusek
P.O. Box 5519
Vienna, WV 26105

10) OIL & GAS INSPECTOR TO BE NOTIFIED: Name Randal Mick
 Address 111 Blackshere Drive
Mannington, WV 26582
 11) DRILLING CONTRACTOR: Name _____
 Address _____

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 3298 Ft. (Top) t 3313 Ft. (Bottom)

14) Estimated depth of completed well (or actual depth of existing well) 3398 Ft.

15) Approximate water strata depths: Fresh 588 Ft. Salt 1708 Ft.

16) Approximate coal seam depths: 1208 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 indentification 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.

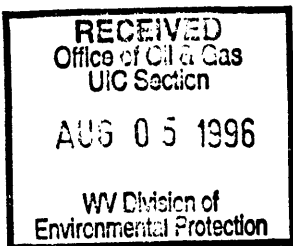
22) Filters (if any): Cartridge filters and/or coal bed filters

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									Kinds
Fresh Water	8 5/8"	L.S.	20#	X		1258	1258	Cement To	
Coal								Surface	Sizes
Intermediate									
Production	4 1/2"	J-55	10.5#	X		3398	3398	Cement Over	Depths Set
Tubing								Salt Sand	
Liners									Perforations
									Top Bottom

25) APPLICANTS OPERATING RIGHTS were acquired from J.A. & M. Oil & Gas Co.
 by Deed _____ Lease _____ Other Contract X Dated April 6, 1994 of record in the
Wetzel County Clerk's Office in Lease Book 74-A at Page 684



1) Date July 30, 1996
2) Well No. L.S. Hoyt No.103
3) SIC Code _____
4) API Well No. 47 - 103 - 1707-01
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 Dallison Lumber Inc.
Address Route 2, Box 50
Jacksonburg, WV 26377
(ii) Name _____
Address _____
(iii) Name _____
Address _____

7 (i) COAL OPERATOR:

Name N/A
Address _____

7 (ii) COAL OWNER WITH DECLARATION ON RECORD:

Name DUPECH, Inc.
Address 6451 Pleasant St.
Library, PA 15129

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
Its Timothy P. Roush
Supervisor, Surveying/Mapping
Telephone (304) 422-6565

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-103-1707-LI

August 20th. 1996 19
Date

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 8-20-98 unless well work is commenced prior to that date and prosecuted with due diligence

Bond:	Agent:	Plat:	Casing	Fee
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	CK#

0301284711

[Signature]
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 (V-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: _____