

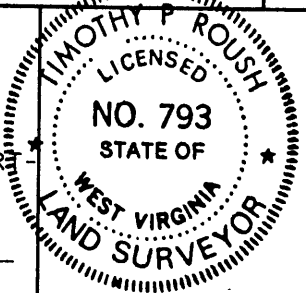
NOTE: No Known Water Supply Sources are Located Within 1000' of Proposed Well

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

FILE NO. 1771
 MAP NO. N47 N 1 S E W 4
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION F.L. Hoge No. 3
(47-095-0984) = 1307'

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 October 13, 19 92
S. P. Lemasters WELL M-10
 API WELL NO. 47-095-1510-L1

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION X WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1114' WATERSHED Lefthand Fork
 DISTRICT McElroy COUNTY Tyler
 QUADRANGLE Centerpoint
 SURFACE OWNER Paul M. Haynes ACREAGE 127.968 Ac.
 OIL & GAS ROYALTY OWNER Pennzoil Products Co. et al. LEASE ACREAGE 5675 Ac.
 LEASE NO. 67696-00
 PROPOSED WORK: DRILL X 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 3100' 2-0 Jacksonburg-Stringtown
 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 Vienna, W.Va. 26105

FORM IV-6

RECEIVED
Division of Environmental Protection
SEP 15 1993
Permitting
Division 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: HAYNES, PAUL M.

Operator Well No.: LEMASTERS M-10

LOCATION: Elevation: 1114.00 Quadrangle: CENTER POINT

District: MCELROY County: TYLER
Latitude: 12700 Feet South of 39 Deg. 30Min. 0 Sec.
Longitude 2300 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: 11/02/92
Well work Commenced: 02/06/93
Well work Completed: 06/03/93

Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 3142'
Fresh water depths (ft) N/A

Salt water depths (ft) N/A

Is coal being mined in area (Y/N)? N
Coal Depths (ft): N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	393.50'	393.50'	150 sks
4-1/2"	3083.25'	3083.25'	300 sks

OPEN FLOW DATA (Water Injection Well)

Producing formation Gordon Pay zone depth (ft) 2991-3044
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.

Timothy P. Roush
For: PENNZOIL PRODUCTS COMPANY

By: Timothy P. Roush, Supervisor - Surveying/Mapping
Date: September 14, 1993

SEP 14 1993

Treatment

Perforated: Gordon w/20 holes 3028' - 3038'

Treated: w/300 gal. 15% HCL acid, 269 bbls. gelled water, 1500# 80/100 sand and 3500# 20/40 sand.

Well Log

Sand and Shale	0 - 505
Sand and Shale	505 - 690
Shale	690 - 775
Limestone	775 - 832
Shale	832 - 937
Limestone	937 - 947
Shale	947 - 985
Sand	985 - 1150
Shale	1150 - 1482
Sand	1482 - 1878
Shale	1878 - 2161
Little Lime	2161 - 2177
Shale	2177 - 2203
Big Lime	2203 - 2258
Big Injun	2258 - 2437
Shale	2437 - 2991
Gordon	2991 - 3044
T.D.	3142

DF-411

DF-419

1) Date October 14, 1992
Operator's
2) Well No. S.P. LEMASTERS M-10
3) SIC Code _____
4) API Well No. 47 - 095 - 1510
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

7 (i) COAL OPERATOR N/A

Address _____

(i) Name Paul M. Haynes
Address 1521 Hamill Avenue
Clarksburg, WV 26301

7 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:

Name _____

Address _____

(ii) Name _____
Address _____

7 (iii) COAL LESSEE WITH DECLARATION ON RECORD:

Name _____

Address _____

(iii) Name _____
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 _____, 19____.

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.

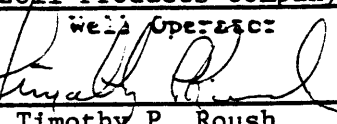
The person signing this document shall make the following certification:

"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



Timothy P. Roush

Its Supervisor - Surveying/Mapping

Telephone (304) 422-6565