

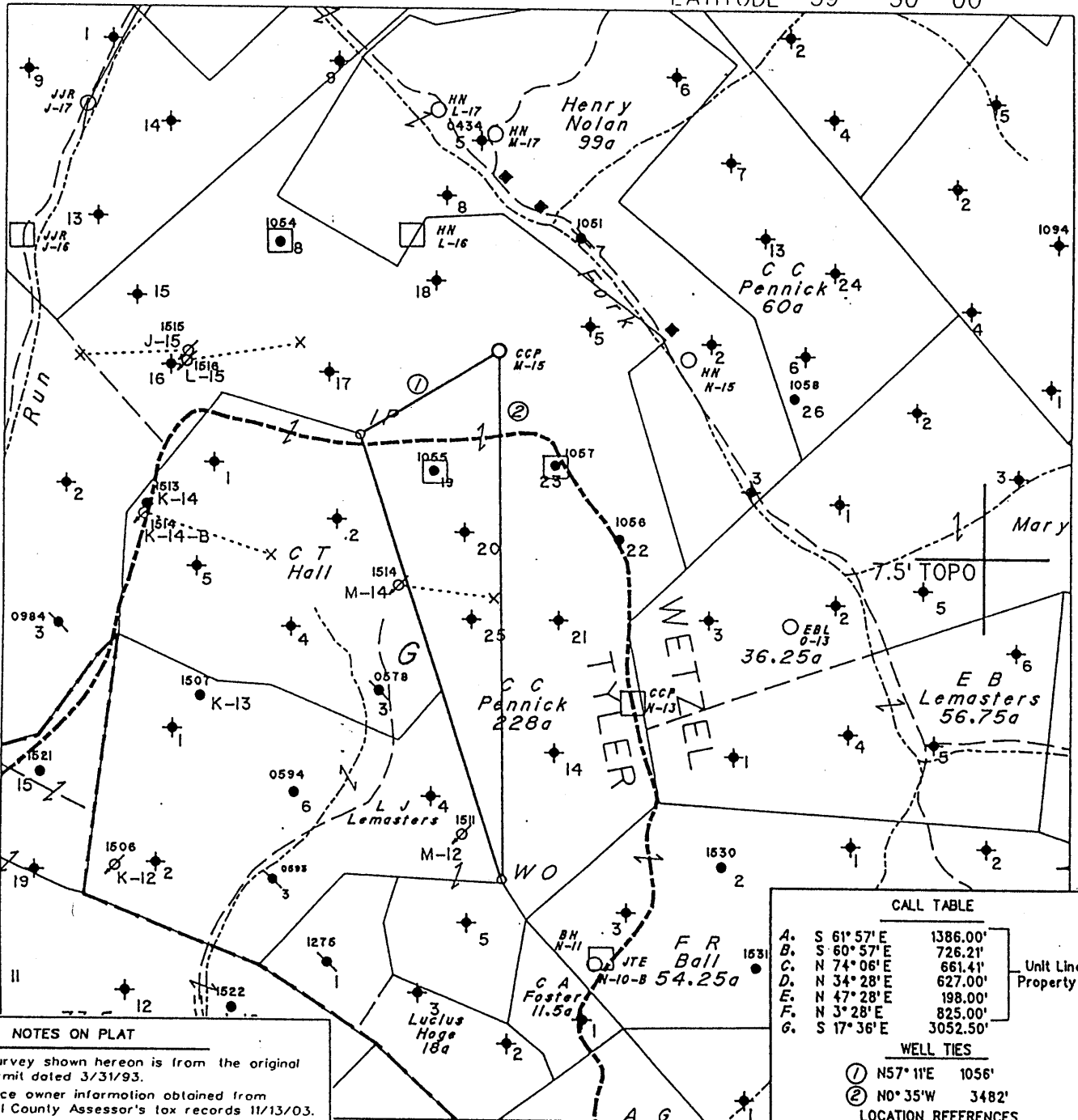
Longitude - 80° 40' 24.2" — 1,900'

LATITUDE 39° 30' 00"

LONGITUDE 80° 40' 00"

7,600'

Latitude - 39° 28' 44.8"



NOTES ON PLAT

- 1 - The survey shown hereon is from the original drilling permit dated 3/31/93.
- 2 - Surface owner information obtained from the Wetzel County Assessor's tax records 11/13/03.
- 3 - Latitude and Longitude checked for accuracy on 11/3/03.

CALL TABLE

A.	S 61° 57' E	1386.00'
B.	S 60° 57' E	726.21'
C.	N 74° 06' E	661.41'
D.	N 34° 28' E	627.00'
E.	N 47° 28' E	198.00'
F.	N 3° 28' E	825.00'
G.	S 17° 36' E	3052.50'

Unit Line & Property Line

WELL TIES

- ① N57° 11' E 1056'
- ② N0° 35' W 3482'

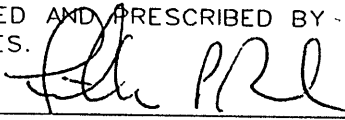
LOCATION REFERENCES

- S17° 14' E 157' 8" Chestnut Oak
- S67° 12' E 138' 12" Maple
- N1° 53' W 189' 6" Chestnut Oak.

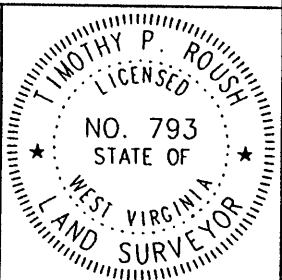
(H) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 MAP NO. _____ N _____ S _____ E _____ W _____
 SCALE _____ 1" = 1000'
 MINIMUM DEGREE OF ACCURACY _____ 1 in 200
 PROVEN SOURCE OF ELEVATION WVDEP 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 PS 793



WEST VIRGINIA
 Division of Environmental Protection
 Office of Oil and Gas
 1356 Hansford St.
 Charleston, West Virginia 25301



DATE November 13, 2003
 FARM C.C. Pennick NO. M-15
 API WELL NO. 47-103-1543F

WELL TYPE: OIL _____ GAS _____ LIQUID INJECTION X WASTE DISPOSAL _____
 (IF "GAS") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 1,249' WATERSHED Piney Fork
 DISTRICT Green COUNTY Wetzel
 QUADRANGLE Centerpoint 7.5'
 SURFACE OWNER W.Va. Public Land Corporation ACREAGE 228 Ac.
 OIL & GAS ROYALTY OWNER East Resources, et al. LEASE ACREAGE 228 Ac.
 LEASE NO. 15688-50
 PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X 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 3.264'
 WELL OPERATOR East Resources, Inc. DESIGNATED AGENT Michael McCown
 ADDRESS P. O. Box 5519 ADDRESS P. O. Box 5519
Vienna, W.Va. 26105 Vienna, W.Va. 26105

WET 1543 F

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

Well Operator's Report of Well Work

Farm name: WVA. PUBLIC LAND CORP. Operator Well No.: C.C. PENNICK M15 ^{DEC 07 93}

LOCATION: Elevation: 1,249.00 Quadrangle: CENTER POINT

District: GREEN County: WETZEL
Latitude: 7700 Feet South of 39 Deg. 30Min. Sec.
Longitude 1900 Feet West of 80 Deg. 40 Min. Sec.

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

Agent: JAMES A. CREWS

Inspector: RANDAL MICK
Permit Issued: 05/12/93
Well work Commenced: 8/9/93
Well work Completed: 10/1/93

Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 3264
Fresh water depths (ft) N/A

Salt water depths (ft) N/A

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8	526	526	170 Sks.
4 1/2	3221.70	3221.70	300 Sks.

OPEN FLOW DATA

Producing formation Gordon Pay zone depth (ft) 3144 - 3176
 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
 * Water Injection Well - Not Tested
 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: 12/6/93

TREATMENT:

Perforated: 3143 - 3165 2 Holes Per Foot - 44 Holes
Treated: 300 Gal. 15% HCL Acid, 296 Bbl. Gelled Water & 1500# 80/100 Sand & 3400# 20/40 Sand

WELL LOG:

Sand & Shale	0 - 634
Sand	634 - 646
Sand & Shale	646 - 786
Sand	786 - 808
Sand & Shale	808 - 902
Sand	902 - 950
Sand & Shale	950 - 1063
Sand	1063 - 1072
Shale	1072 - 1170
Sand	1170 - 1200
Sand & Shale	1200 - 1420
Sand	1420 - 1434
Sand & Shale	1434 - 1586
Sand	1586 - 1600
Sand & Shale	1600 - 2280
Little Lime	2280 - 2295
Pencil Cave	2295 - 2331
Big Lime	2231 - 2374
Big Injun	2374 - 2550
Shale	2550 - 3144
Stray	3144 - 3154
Gordon	3154 - 3176
T.D.	3264

DF - 411
OFT - 419

FORM WV-3 (Rev. 1-83)
 (Obverse) Office of Oil & Gas
 UIC Section
RECEIVED
APR 15 93
 WV Division of
 Environmental Protection

17183



1) Date: April 13, 19 93
 2) Operator's C. C. PENNICK #M-15
 Well No. _____
 3) SIC Code _____
 4) API Well NO. 47 - 103 - 1543-LI
 State County Permit
 5) UIC Permit No. _____

Issued 05/12/93
Expires 05/12/95

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

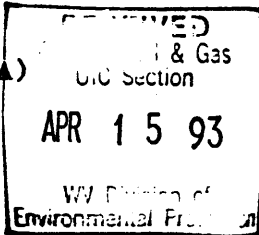
- 6) WELL TYPE: Liquid injection / Gas injection (not storage) _____ / Waste disposal _____
- 7) LOCATION: Elevation: 1249' Watershed: Piney Fork 286
 District: Green County: Wetzel Quadrangle: Centerpoint
- 8) WELL OPERATOR Pennzoil Products Company 37450 9) DESIGNATED AGENT J. A. Crews
 Address P. O. Box 5519 Address P. O. Box 5519
Vienna, WV 26105 Vienna, WV 26105
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Randall Mick Mike Underwood
 Address 111 Blackshere Dr. Rt. 2, Box 135
Mannington, WV Salem, WV 26426
26582
- 11) DRILLING CONTRACTOR:
 Name _____
 Address _____
- 12) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stimulate /
 Plug off old formation _____ / Perforate new formation _____ / Convert _____
 Other physical change in well (specify) _____
- 13) GEOLOGICAL TARGET FORMATION, Gordon Depth 3139 feet(top) to 3154 feet(bottom)
- 14) Estimated depth of completed well, (or actual depth of existing well) 3240 ft.
- 15) Approximate water strata depths: Fresh, 429 feet; salt, feet.
- 16) Approximate coal seam depths: 1060
- 17) Is coal being mined in the area? Yes ___ / No /
- 18) Virgin reservoir pressure in target formation 1400 psig. Source ESTIMATED
- 19) Estimated reservoir fracture pressure 3500 psig (BHFP)
- 20) MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour: 25 Bottom hole pressure 2380
- 21) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING ADDITIVES: Fresh water, produced water, bactericides, and other chemicals as necessary to maintain water quality and improve oil recovery.
- 22) FILTERS (IF ANY): Cartridge Filters and/or Coal Bed Filters recovery.
- 23) SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL: _____

24) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	8 5/8	L.S.	20	X		501	501	Cement to	
Coal								Surface	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	X		3240	3240	Cement Over	Depths set
Tubing								Salt Sand	
Liners									Perforations:
									Top Bottom

25) APPLICANT'S OPERATING RIGHTS were acquired from M.H. & C.C. Pennick
 by deed _____ / lease / other contract _____ / dated September 24, 19 89, of record in the
Wetzel County Clerk's office in Lease Book 47 at page 216

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.



1) Date April 13, 1993
Operator's
2) Well No. C. C. PENNICK #M-15
3) SIC Code _____
4) API Well No. 47 - 103 - 1543
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 WV Public Land Corp.
Address Bldg. #3, Room 643
1900 Kanawha Blvd., E.
 - (ii) Name Charleston, WV 25305
Address _____
Dept. Natural Resources
 - (iii) Name 1304 Goose Run Road
Address Fairmont, WV 26554
ATTN: Gary Foster
- 7 (i) COAL OPERATOR N/A
Address _____
- 7 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____
- 7 (iii) COAL LESSEE WITH DECLARATION ON RECORD:
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