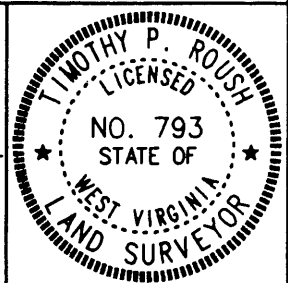


(H) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 1683
 MAP NO. N68 N 10 S E W 3
 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 June 19, 19 97
 FARM Ara Long NO. 95
 API WELL NO. 47-103-01743-5

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 824' WATERSHED North Fork of Fishing Creek
 DISTRICT Grant COUNTY Wetzel
 QUADRANGLE Pine Grove

Directional well

SURFACE OWNER Paul Able ACREAGE 128.5 Ac.
 OIL & GAS ROYALTY OWNER Robert B. Myers et al. LEASE ACREAGE 112 Ac.

LEASE NO. 25941-50
 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 2850' MD
 WELL OPERATOR Pennzoil Products Company DESIGNATED AGENT Philip S. Ondrusek
 ADDRESS P. O. Box 5519 ADDRESS P. O. Box 5519
Vienna, W.Va. 26105 Vienna, W.Va. 26105

JUL 14 1997

8-040

WR-35

10-Jul-97

API # 47 -103- 1743

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

Well Operator's Report of Well Work

RECEIVED
Office of Oil and Gas
MAR 19 1998
WV Division of
Environmental Protection

Farm name: Able, Paul etal Operator Well No.: Ara Long #95
LOCATION: Elevation: 824.00 Quadrangle: Pine Grove
District: Grant County: Wetzel
Latitude: 1,400 Feet south of 39 Deg 35 Min 0 Sec.
Longitude: 11,750 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: 7/11/97
Well work Commenced: 8/19/97
Well work Completed: 9/11/97
Verbal plugging permission granted on:
Rotary Cable _____ Rig _____
Total Depth (feet) 2945'
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.
8-5/8"	797'	797'	360 Sacks
4 1/2"	2830.75'	2830.75'	315 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) 2,735

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: _____

Date: 3/17/98

MAR 13 1998

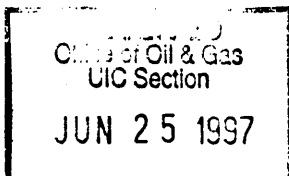
Treatment :

Perforated Gordon sand with 16 holes from 2739'-2743' K.B. Fractured with 300gals 15% HCL and 178 bbls gelled water and 11,000 lbs. 20/40 sand

Well Log :

All depth are relative to K.B. This well was directionally drilled.

0	1100 Sand and Shale
1100	1132 sand
1132	1268 Shale
1268	1315 sand
1315	1390 Shale
1390	1520 sand
1520	1560 Shale
1560	1603 sand
1603	1796 Shale
1796	1926 Big Lime
1926	2008 Shale
2008	2118 Big Injun
2118	2702 Shale
2702	2722 Gordon Stray
2722	2735 Shale
2735	2757 Gordon
2757	2945 Shale



1) Date June 20, 1997
 2) Well No. Ara Long No.95
 3) SIC Code _____
 4) API Well No. 47 - 103 - 1743-LI
 State County Permit
 5) UIC Code _____

Issued 07/11/97
Expires 07/11/99

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

23971

WELL TYPE: Liquid Injection X Gas Injection _____ Waste Disposal _____

LOCATION: Elevation 824 Watershed North Fork of Fishing Creek
 District Grant (4) County Wetzel Quadrangle Pine Grove 598

WELL OPERATOR: Pennzoil Products Company 37450 9) DESIGNATED AGENT: Philip S. Ondrusek
P.O. Box 5519 Vienna, WV 26105 P.O. Box 5519
Vienna, WV 26105

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
 Note: Well Will Be Drilled Directionally Plug Off Old Formation Perforate New Formation _____ Convert _____
N89-49W 520' to Bottom Hole Location Other Physical Change in Well (specify) New Drill

13) Geological target formation Gordon Depth 2650 TVD Ft. (Top) to 2670 TVD Ft. (Bottom)

14) Estimated depth of completed well (or actual depth of existing well) 2850 MD Ft.

15) Approximate water strata depths: Fresh 30 Ft. Salt 1124 Ft.

16) Approximate coal seam depths: 584 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.

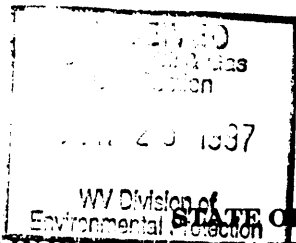
22) Filters (if any): Cartridge filters and/or coal bed filters

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									Kinds
Fresh Water	8 5/8"	L.S.	20#	X		820	820	Cement To	
Coal								Surface	Sizes
Intermediate									
Production	4 1/2"	J-55	10.5#	X		2850	2850	Cement Over	Depths Set
Tubing								Salt Sand	
Liners									Perforations
									Top Bottom

25) APPLICANTS OPERATING RIGHTS were acquired from Ara Long et al.
 by Deed _____ Lease X Other Contract _____ Dated April 28, 1897 of record in the
Wetzel County Clerk's Office in Lease Book 51 at Page 458



1) Date June 20, 1997
2) Well No. Ara Long No.95
3) SIC Code _____
4) API Well No. 47 - 103 - 1743-41
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 Paul Able
Address Rt. 2, Box 10
Jacksonburg, WV 26377

(ii) Name Herbert & Hester Slaughter
Address HC 62, Box 16
Pine Grove, WV 26419

(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.

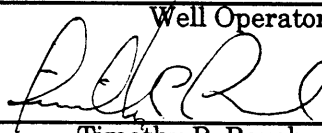
The date proposed for the first injection or waste disposal is _____

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