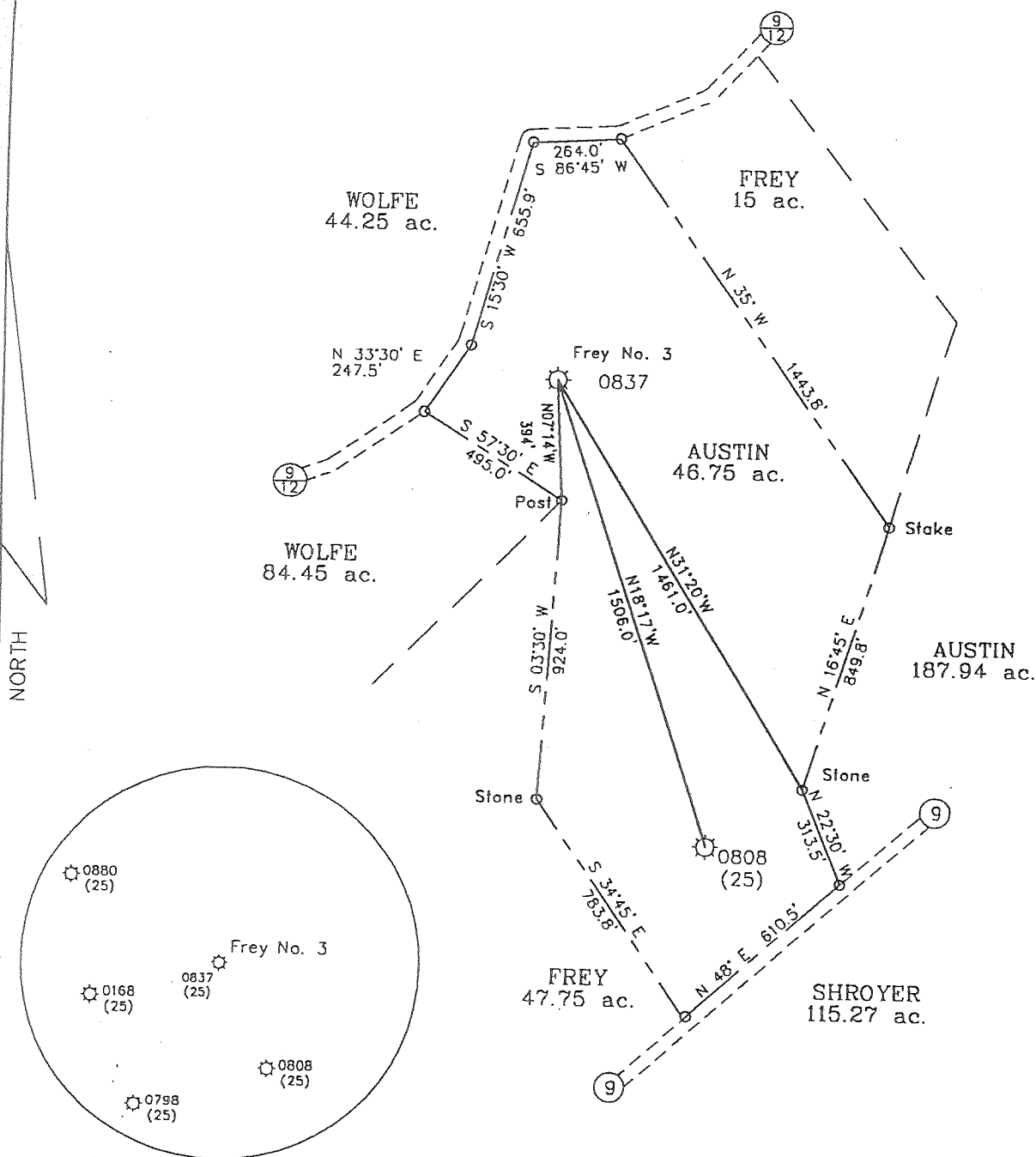


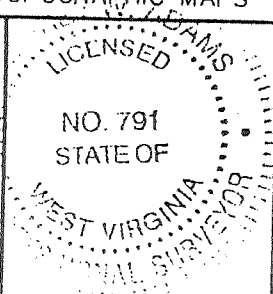
NORTH



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

FILE NO. \_\_\_\_\_  
 DRAWING NO. 1  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION Spot elev. 1840' SW of location: elev. 1688'

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 ENERGY  
 (SIGNED) [Signature]  
 R.P.E. \_\_\_\_\_ L.L.S. 791



STATE OF WEST VIRGINIA  
 Division of Environmental Protection  
 OFFICE OF OIL AND GAS

DATE April 1, 2004  
 OPERATOR'S WELL NO. Frey No. 2  
 API WELL NO. 47-091-00808F

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS") PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW X

LOCATION: ELEVATION 1410 WATER SHED Rocky Branch of Three Forks Creek  
 DISTRICT Knottsville COUNTY Taylor  
 QUADRANGLE Thornton 7 1/2'

SURFACE OWNER Edward Austin ACREAGE 46.75 ac.  
 OIL & GAS ROYALTY OWNER Alice R. Austin Frey LEASE ACREAGE 46.75 ac.  
 LEASE NO. 457800

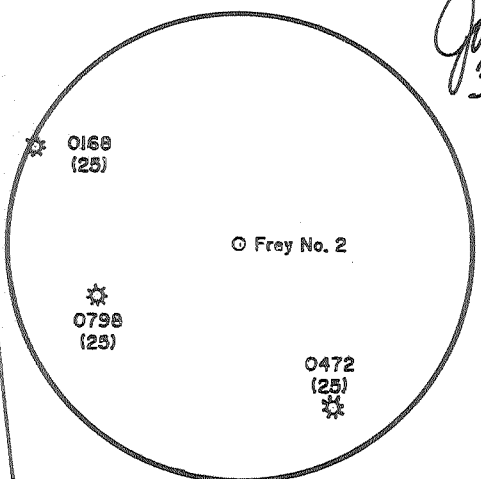
PROPOSED WORK: DRILL \_\_\_\_\_ CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION X PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION Fourth ESTIMATED DEPTH 2569  
 WELL OPERATOR Petroleum Development Corp. DESIGNATED AGENT Alan Smith  
 ADDRESS P.O. Box 26 Bridgeport, WV 26330 ADDRESS P.O. Box 26 Bridgeport, WV 26330

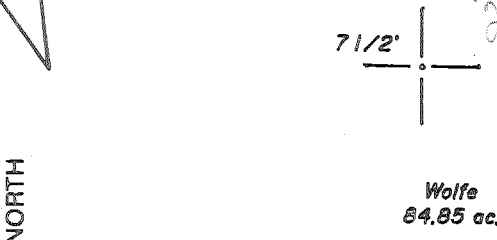
COUNTY NAME TAY  
 PERMIT 0808F

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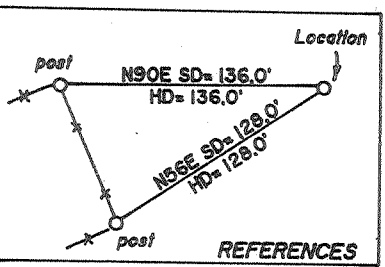


NORTH



9/12

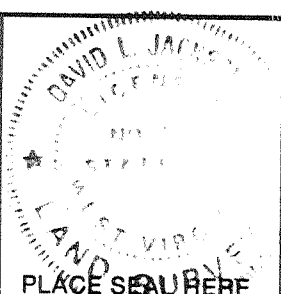
9



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

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION Spot elev. 2400' NW of Location; elev. 1688'

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 ENERGY.  
 (SIGNED) David Y. Jackson  
 R.P.E. \_\_\_\_\_ L.L.S./ 708



STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 DIVISION OF OIL AND GAS



DATE March 3, 19 92  
 OPERATOR'S WELL NO. Frey No. 2  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 STATE COUNTY PERMIT 47 091 0808

LOCATION: ELEVATION 1749 WATER SHED Swamp Run and Rocky Branch  
 DISTRICT Knottsville COUNTY Taylor

SURFACE OWNER Alice R. Austin Frey ACREAGE 46.75  
 OIL & GAS ROYALTY OWNER Alice R. Austin Frey LEASE ACREAGE 46.75  
 LEASE NO. 457800

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 Benson ESTIMATED DEPTH 5000  
 WELL OPERATOR Petroleum Development Corp. DESIGNATED AGENT Eric R. Stearns  
 ADDRESS P.O. Box 26, Bridgeport, WV 26330 ADDRESS P.O. Box 26, Bridgeport, WV 26330

COUNTY NAME PERMIT

MAR 6 RECD

*66888888 (2) (3/6/92)*

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: **Frey** Operator Well No.: **2**

LOCATION: Elevation: **1749'** Quadrangle: **Thornton**

District: **Knottsville** County: **Taylor**  
Latitude: **7175'** Feet South of **39** Deg. **20** Min. **00** Sec.  
Longitude **11325'** Feet West of **79** Deg. **55** Min. **00** Sec.

Company: **Petroleum Development Corporation**

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <b>103 East Main Street</b>				
<b>Bridgeport, WV 26330</b>				
Agent: <b>Alan H. Smith</b>				
Inspector: <b>Terry Urban</b>				
Date Permit Issued: <b>04/13/04</b>				
Date Well Work Commenced: <b>05/12/04</b>				
Date Well Work Completed: <b>05/14/04</b>				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable <input checked="" type="checkbox"/> Rig				
Total Depth (feet): <b>5250'</b>				
Fresh Water Depth (ft.): <b>300'/860'</b>				
Salt Water Depth (ft.): <b>none reported</b>				
Is coal being mined in area (N/Y)? <b>N</b>				
Coal Depths (ft.): <b>836'-840'/1022'-1025'</b>				

OPEN FLOW DATA

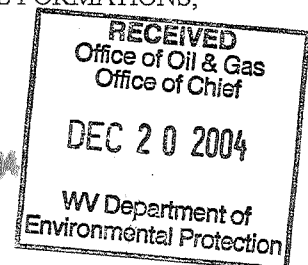
Producing formation **4 th Sand** Pay zone depth (ft) **2549'-2561'**  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow **140** MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure **230** psig (surface pressure) after **5** 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.

Signed: \_\_\_\_\_  
By: **Alan H. Smith**  
Date: **December 17, 2004**

DEC 30 2004



TAY 0808 F

Frey 2  
47-091-0808-F

Perforated the 4<sup>th</sup> Sand using 0.39" shots; 6 at 2549'-2552', 6 at 2558'-2561'. Set big mouth frac plug at 2600'.

Drop ball and breakdown 4<sup>th</sup> Sand using 500 gal 15% HCL. Start 156 bbls of Viking 20 pad and pump 318 bbls of Viking 20 treating fluid, 40000 lbs of 20/40 white sand, 42 bbls of flush, and 122.2 MSCF of N2. Stage sand at 1#, 2#, 3#, and 4# ppg. MTP-2902 psi, ATP-2298 psi, Air- 19 bpm. Shut down, ISIP-1608 psi, 5 min. SIP-1523 psi. Wait 1 hr for crosslink gel to break and open to pit through 4 1/2" turn tube.

Flow clean.

Turn in line.

DEC 30 2004

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

Reviewed TM6

Recorded \_\_\_\_\_

Well Operator's Report of Well Work

Farm name: FREY, ALICE R. & W.O. Operator Well No.: A. FREY #2

LOCATION: Elevation: 1749.00 Quadrangle: THORNTON

District: KNOTTSVILLE County: TAYLOR  
Latitude: 7175 Feet South of 39 Deg. 20Min. 0 Sec.  
Longitude 11325 Feet West of 79 Deg. 55 Min. 0 Sec.

Company: PETROLEUM DEVELOPMENT COR  
P. O. BOX 26  
BRIDGEPORT, WV 26330-0026

Agent: ERIC R. STEARNS

Inspector: PHILLIP TRACY  
Permit Issued: 03/06/92  
Well work Commenced: 03/11/92  
Well work Completed: 03/16/92  
Verbal Plugging \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary x Cable \_\_\_\_\_ Rig  
Total Depth (feet) 5250'  
Fresh water depths (ft) \_\_\_\_\_  
300; 860  
Salt water depths (ft) \_\_\_\_\_  
n/a  
Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 836-840; 1022-1025

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	16'		
8 5/8"	1101'	1101'	285 sks
4 1/2"	5190'	5190'	482 sks

OPEN FLOW DATA

Producing formation Elk Pay zone depth (ft) 5051.5-38.5  
Gas: Initial open flow 15 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 242 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 4 Hours  
Static rock Pressure 1050 psig (surface pressure) after 72 Hours

Second producing formation Riley Pay zone depth (ft) 4198-4287  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow co-mingled 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

Third producing formation Balltown Pay zone depth (ft) 3518-3521

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: PETROLEUM DEVELOPMENT CORP.

By: Eric R. Stearns  
Date: April 28, 1992

MAY 01 1992

Frey #2

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
1st	Elk	12(5051.5-5138.5)	100	600	500	87
2nd	Riley	12(4198-4287)	100	600	750	91
3rd	Balltown	13(3518-3521)	100	450	750	69

W E L L L O G

FORMATION	TOP FEET	BOTTOM FEET	REMARKS: FRESH & SALT WATER, COAL, OIL & GAS
KB - GL	0	10	
sand, shale, RR	10	1478	
Little Lime	1478	1492	1/2" stream H2O @ 300'
sand, shale	1492	1533	1/2" stream H2O @ 860'
Big Lime	1533	1600	Coal 836-840; 1022-1025
sand, shale	1600	1605	
Keener	1605	1634	
sand, shale	1634	1638	
Big Injun	1638	1713	gas chk @ 1666' No Show
sand, shale	1713	1833	gas chk @ 1792' No Show
Weir	1833	1858	
sand, shale	1858	1962	
Gantz	1962	1987	
sand, shale	1987	2001	
50 ft	2001	2059	
sand, shale	2059	2064	
30 ft	2064	2093	gas chk @ 2074' No Show
sand, shale	2093	2191	
Gordon	2191	2235	
sand, shale	2235	2505	gas chk @ 2315' No Show
4th	2505	2575	
sand, shale	2575	2602	gas chk @ 2513' No Show
5th	2602	2647	
sand, shale	2647	2643	
Bayard	2643	2668	
sand, shale	2668	3073	gas chk @ 2670' No Show
Speechly	3073	3389	gas chk @ 3202' No Show
sand, shale	3389	3427	gas chk @ 3418' No Show
Balltown	3427	3730	
sand, shale	3730	3789	
Bradford	3789	3889	gas chk @ 3698' No Show
sand, shale	3889	4121	gas chk @ 4006' No Show
Riley	4121	4385	gas chk @ 4317' No Show
sand, shale	4385	4465	gas chk @ 4412' 2/10-1"H2O
Benson	4465	4529	gas chk @ 4508' 2/10-1"H2O
sand, shale	4529	4642	gas chk @ 4608' 2/10-1"H2O
1st Elk	4642	4744	
sand, shale	4744	4850	
2nd Elk	4850	5031	
sand, shale	5031	5069	gas chk @ 5034' No Show
3rd Elk	5069	5161	gas chk @ 5128' No Show
sand, shale	5161	5250	Drillers TD
			DC's No Show
			Logger TD
		5250	

47 091-0808  
Issued 3/6/92

FORM WW-2B

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

Page of  
Expires 3/6/94

- 1) Well Operator: Petroleum Development Corporation 38200(c) 637
- 2) Operator's Well Number: A. Frey #2 3) Elevation: 1749'
- 4) Well type: (a) Oil    / or Gas X /  
(b) If Gas: Production X / Underground Storage    /  
Deep    / Shallow X /
- 5) Proposed Target Formation(s): Elk Sands 436
- 6) Proposed Total Depth: 5500 feet
- 7) Approximate fresh water strata depths: 230, 370, 580, 665, 870
- 8) Approximate salt water depths: None Reported
- 9) Approximate coal seam depths: 365, 495, 715, 860
- 10) Does land contain coal seams tributary to active mine? Yes    / No X /
- 11) Proposed Well Work: Drill & stimulate new well
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11 3/4	H-40	40#	30	---	---
Fresh Water						380SR18-11.3
Coal						380SR18-11.2
Intermediate	8 5/8	H-42	20/23	1125	1125 ←	Surface
Production	4 1/2	J-55	10.5	5500	5500 ←	450 sks
Tubing						380SR18-11.1
Liners						

PACKERS : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

0862957

For Division of Oil and Gas Use Only

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

1) Date: March 5, 1992  
2) Operator's well number  
Frey #2  
3) API Well No: 47 - 091 - 0808  
State - County - Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:	5) (a) Coal Operator:
(a) Name <u>Alice R. &amp; W.D. Frey</u>	Name _____
Address <u>Rt. 1, Box 261</u>	Address _____
<u>Grafton, W 26354</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Hillman Coal Co. % Ben Putnam</u>
	Address <u>724 James Street</u>
(c) Name _____	<u>Bridgport, W 26330</u>
Address _____	Name _____
	Address _____
6) Inspector <u>Phillip Tracy</u>	(c) Coal Lessee with Declaration
Address <u>Rt. 2, Box 37-A</u>	Name _____
<u>Montrose, W 26283</u>	Address _____
Telephone (304) - <u>636-8798</u>	

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

XX 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:

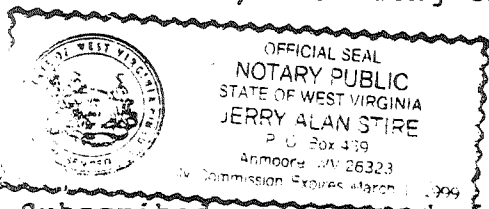
- \_\_\_\_\_ Personal Service (Affidavit attached)
- XX Certified Mail (Postmarked postal receipt attached)
- \_\_\_\_\_ Publication (Notice of Publication attached)

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 Petroleum Development Corporation  
 By: [Signature]  
 Its: Geologist  
 Address P.O. Box 26  
Bridgeport, W 26330  
 Telephone 304-842-6256



Subscribed and sworn before me this 5th day of March, 1992

[Signature] Notary Public  
My commission expires March 1, 1999