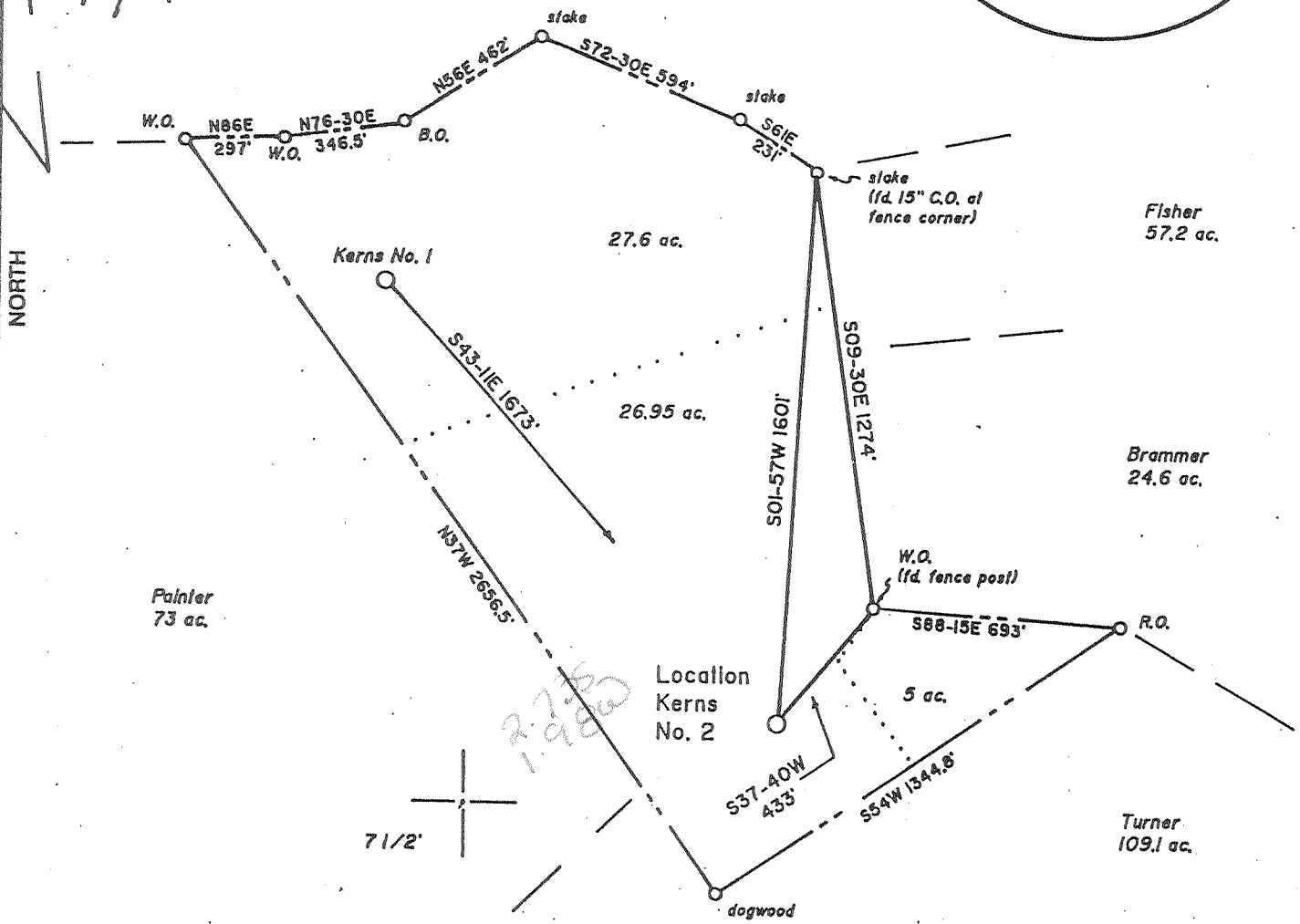
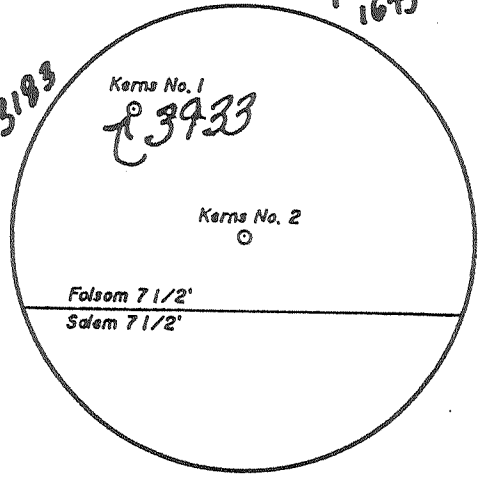


Janie
12/16/91

Dolson
139.02 ac.

*3012 *3193
*1663



(+) 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. 2950' NE of Locallon; elev. 1442

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 G. Jackson
R.P.E. _____ L.L.S. 708

PLACE SEAL HERE

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



DATE November 18, 19 91
OPERATOR'S WELL NO. Kerns No. 2
API WELL NO. _____

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

LOCATION: ELEVATION 1347 WATER SHED Wiseman Run
DISTRICT McClellan COUNTY Doddridge
QUADRANGLE Folsom 7 1/2'

SURFACE OWNER Frederick D. Painter II et ux ACREAGE 59.6
OIL & GAS ROYALTY OWNER John Kerns et al LEASE ACREAGE 57.59
LEASE NO. 455600

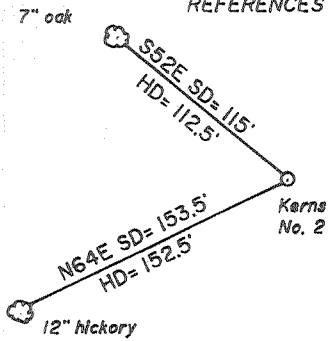
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

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

OCT 15 1991

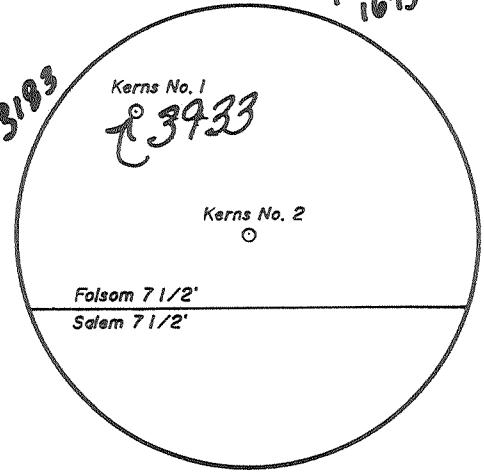
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REFERENCES



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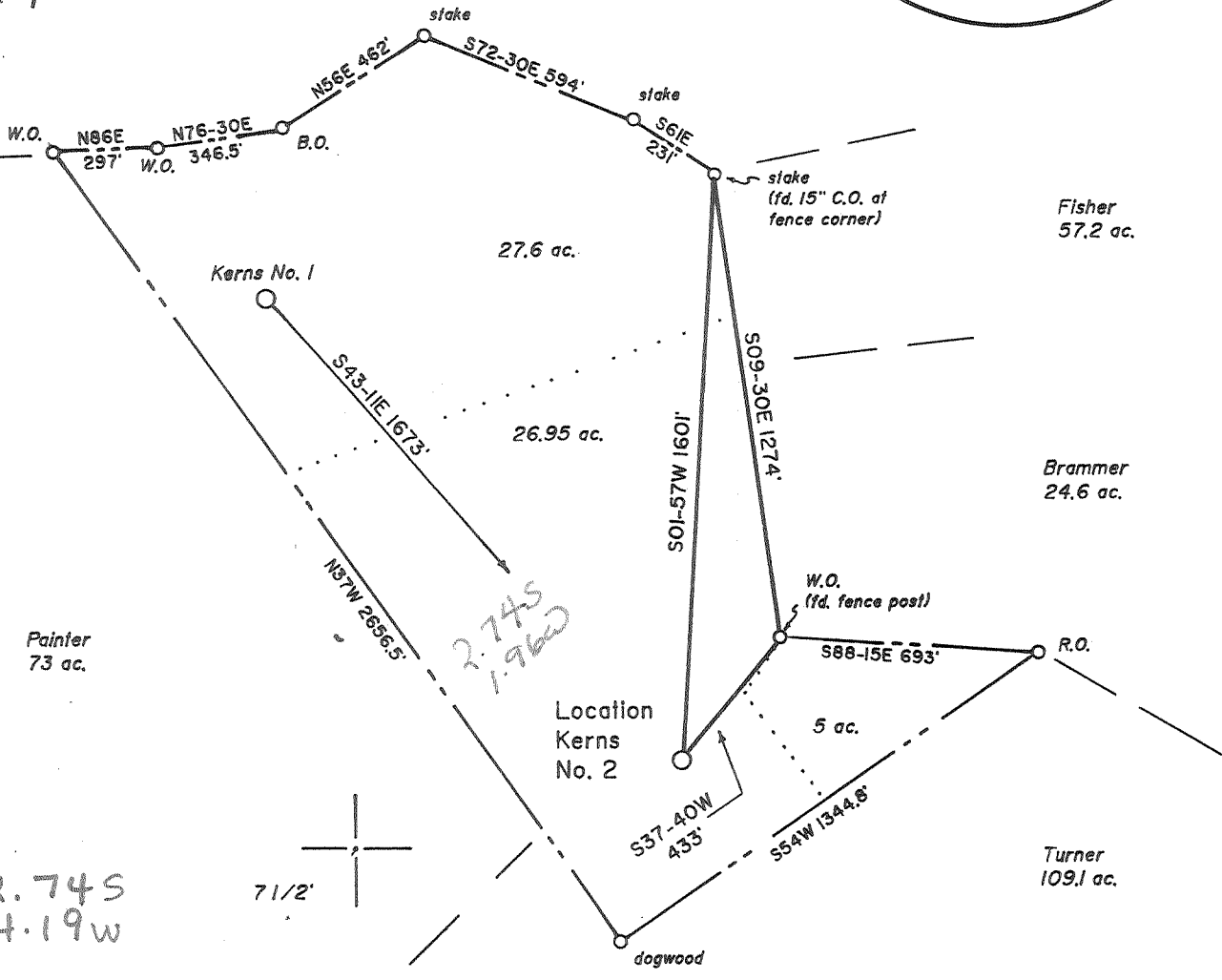


Jamie 12/16/91

LONGITUDE 80-32-30 W

14350

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. 2950' NE of Location: elev. 1442

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 G. Jackson
 R.P.E. _____ L.L.S. 708

PLACE SEAL HERE

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



DATE November 18, 19 91
 OPERATOR'S WELL NO. Kerns No. 2
 API WELL NO.

47 017 03934
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1347 WATER SHED Wiseman Run
 DISTRICT McClellan COUNTY Doddridge
 QUADRANGLE Folsom 7 1/2' Centept. EC
 SURFACE OWNER Frederick D. Painter II et ux ACREAGE 59.6
 OIL & GAS ROYALTY OWNER John Kerns et al LEASE ACREAGE 57.59
 LEASE NO. 455600

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. 687 DESIGNATED AGENT Eric R. Stearns
 ADDRESS P.O. Box 26, Bridgeport, WV 26330 ADDRESS P.O. Box 26, Bridgeport, WV 26330

COUNTY NAME PERMIT

FORM WW-6 068277

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

MJ

Well Operator's Report of Well Work

Farm name: **Painter, Frederick & Rose** Operator Well No.: **Kerns 2**

LOCATION: Elevation: **1347.00** Quadrangle: **Folsom**

District: **McClellan** County: **Doddridge**
Latitude: **14350 Feet South of 39 Deg. 25 Min. 0 Sec.**
Longitude: **10410 Feet West of 80 Deg. 32 Min. 30 Sec.**

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

Agent: **Alan H. Smith**

Inspector: **Mike Underwood**
Permit Issued: **10/08/99**
Well work Commenced: 11/09/99
Well work Completed: 11/12/99
Verbal Plugging
Permission granted on: _____
Rotary Cable Rig
Total Depth (feet) 3156'
Fresh water depths (ft) 185', 360'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	173'	173'	210 sks
8 5/8"	1823'	1823'	420 sks
4 1/2"	5467'	5467'	540 sks

Salt water depths (ft) N/A

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 510'-514', 807'-811'..

OPEN FLOW DATA

Producing formation **Fourth Sand** Pay zone depth (ft) 3108/3156
Gas: Initial open flow 300 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 650 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 40 psig (surface pressure) after 48 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. LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

RECEIVED
Office of the Chief
Office of the Well
AUG 23 2004
WV Department of
Environmental Protection

For: **PETROLEUM DEVELOPMENT CORP.**

By: **Alan H. Smith**
Date: 11/17/99

Dodd 3934 W

Kerns #2
47-017-03934 W

Fourth Sand Formation
12 Perfs (3108'-3156')

FORMATION	TOP FEET	BOTTOM FEET	REMARKS
KB-GL	0	10	
sand, shale, RR	10	2232	Hole Damp@ 185
Little Lime	2232	2262	1" stream of H2o @ 360'
sand, shale	2262	2288	Coal 510 - 514, 807 - 811
Big Lime	2288	2344	gas chk@ 2167 no show
Keener	2344	2379	gas chk@ 2360 no show
sand, shale	2379	2458	
Big Injun	2458	2346	gas chk @ 2478 no show
sand, shale	2346	2810	
Gantz	2810	2817	
sand, shale	2817	3013	gas chk@ 2821 no show
Gordon	3013	3047	
sand, shale	3047	3081	gas check @ 3070 no show
4 th Sand	3081	3158	

Set Bridge Plug At 3200' and Frac:
100 SCF Nitrogen
500 Gal 15% HCL Acid
1750# 20/40 Mesh Resin Sand

Drill Out Frac Plug And Put Back In Line.

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

Reviewed TMG
Recorded _____

Well Operator's Report of Well Work

Farm name: PAINTER, FREDERICK & ROSE Operator Well No.: KERNS #2

LOCATION: Elevation: 1347.00 Quadrangle: FOLSOM

District: MCCLELLAN County: DODDRIDGE
Latitude: 14350 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 10410 Feet West of 80 Deg. 32 Min. 30 Sec.

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

Agent: ERIC R. STEARNS

Inspector: MIKE UNDERWOOD
Permit Issued: 12/16/91
Well work Commenced: 01/08/92
Well work Completed: 01/14/92
Verbal Plugging _____
Permission granted on: _____
Rotary Cable _____ Rig _____
Total Depth (feet) 5504' 5513
Fresh water depths (ft) _____
185; 360
Salt water depths (ft) _____
n/a
Is coal being mined in area (Y/N)? N
Coal Depths (ft): 510-514; 807-811 Mon
1774 Don 1477

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	173'	173'	210 sks
8 5/8"	1823'	1823'	420 sks
4 1/2"	5467'	5467'	540 sks

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 5397-5400
Gas: Initial open flow 133 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 168 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 1200 psig (surface pressure) after 72 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: PETROLEUM DEVELOPMENT CORP.

By: Eric R. Stearns
Date: February 27, 1992

MAR 6 1992

Kerns #2

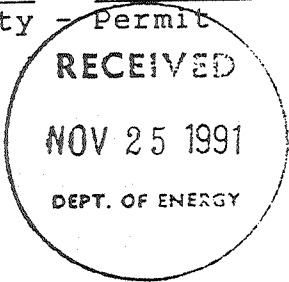
STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
1ST	Benson	13 (5397-5400)	100	450	500	66

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	2232	Hole Damp @ 185'
Little Lime	2232	2262	1" stream H2O @ 360'
sand, shale	2262	2288	Coal 510-514; 807-811
Big Lime	2288	2344	gas chk @ 2167' No Show
Keener	2344	2379	gas chk @ 2360' No Show
sand, shale	2379 ²³⁴⁶	2458 ²³⁷⁹	
Big Injun	2458 ²³⁷⁹	2346 ²⁴⁵⁸	gas chk @ 2478' No Show
sand, shale	2346 ²⁴⁵⁸	2810	
Gantz	2810	2817	
sand, shale	2817	3013	gas chk @ 2821' No Show
Gordon	3013	3047	
sand, shale	3047	3081	gas chk @ 3070' No Show
4th	3081	3158	
sand, shale	3158	3172	
5th	3172	3221	gas chk @ 3193' 44/10-2"H2O
sand, shale	3221	3741	
Speechley	3741	4235	gas chk @ 3757' 12/10-2" H2O
sand, shale	4235	4272	gas chk @ 3850' 12/10-2" H2O
Balltown	4272	4709	gas chk @ 4192' 20/10-2" H2O
sand, shale	4709	4838	gas chk @ 4790' 20/10-2" H2O
Bradford	4838	4955	
sand, shale	4955	5074	
Riley	5074	5303	
sand, shale	5303	5369	gas chk @ 5356' 28/10-2" H2O
Benson	5369	5413	
sand, shale	5413	5513	gas chk @ 5418' 40/10-2" H2O
	5513	5513	Driller TD 10/10-2"H2O
		5504	Logger TD

- 1) Date: November 20, 1991
- 2) Operator's well number
John Kerns #2
- 3) API Well No: 47 - 017 - 3934
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:
 - (a) Name Frederick & Rose Painter
Address 4028 Lunar Drive
Anchorage, AK 99504
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 6) Inspector Mike Underwood
Address Rt. 2, box 135
Salem, WV 26426
Telephone (304)- 782-1043

- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
Name same as surface
Address _____
 - (c) Coal Lessee with Declaration
Name _____
Address _____

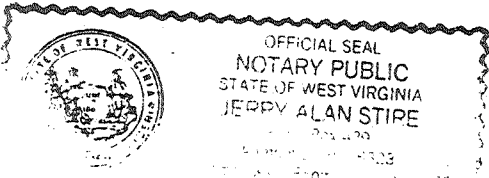
TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

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



Subscribed and sworn before me this 20th day of November, 1991

[Signature] Notary Public
My commission expires March 4, 1999