

ASHLAND/HOLLAND LEASE P/O 640 & 1882.82 ACRES WELL # 15

G. CHILDERS
P/O 115.28 ACRES± (SURFACE)

2.11
0.64

12" LOCUST
SNAG
N 6-41 E
253.32'

47-017-1104
(16)

PAUL MCCUTCHAN
123.30 ACRES± (SURFACE)

G. CHILDERS
P/O 115.28 ACRES± (SURFACE)

S 1-20 E
1115.42'

S 12-50 W
1523.01'

S 62-45 W
2805'

36" BLACK
OAK
W 0-00 S
171-04-11.11-00-00 E
0.00 E

D. DAVIS

REFERENCES

47-017-1588
(16)

47-017-1104
(16)

15

47-017-4159
(25)

C. WELLINGS

S 5-30 W
216.48'

S 21-05 E
184.8'

S 72-08 E
603.9'

S 22 W 666.6'

N 10-01 E 187.55'

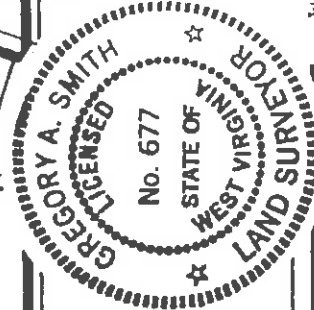
N 17-47 W 192.11'

14" CHESTNUT
OAK

6" RED
MAPLE

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.

L.L.S. *Gregory A. Smith*
677



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

DATE JUNE 9, 19 95

OPERATORS WELL NO. ASHLAND/HOLLAND # 15

API WELL NO. 47 - 017 - 04237-W

STATE VIRGINIA COUNTY PERMIT

DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
#10 MCJUNKIN ROAD
NITRO, WEST VIRGINIA 25143-2506

MINIMUM DEGREE OF ACCURACY 1/200

FILE NO. 3028 (53-52)

SCALE 1" = 400'

PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1248'

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1194' WATERSHED BLUESTONE CREEK

DISTRICT WEST UNION COUNTY DODDRIDGE

SURFACE OWNER PAUL MCCUTCHAN QUADRANGLE SMITHBURG 7.5

ROYALTY OWNER LEWIS MAXWELL III ET AL. ACREAGE 123.38

LEASE ACREAGE P/O 640 & 1882.82

LEASE NO.

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD

FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION ALEXANDER, BENSON, RILEY

ESTIMATED DEPTH 5,359

WELL OPERATOR EASTERN AMERICAN ENERGY CORP.

ADDRESS BOX N GLENVILLE, WV 26351

DESIGNATED AGENT JOHN M. PALETTI

ADDRESS 50156th St. CHARLESTON, WV 25304

PERMIT 1908

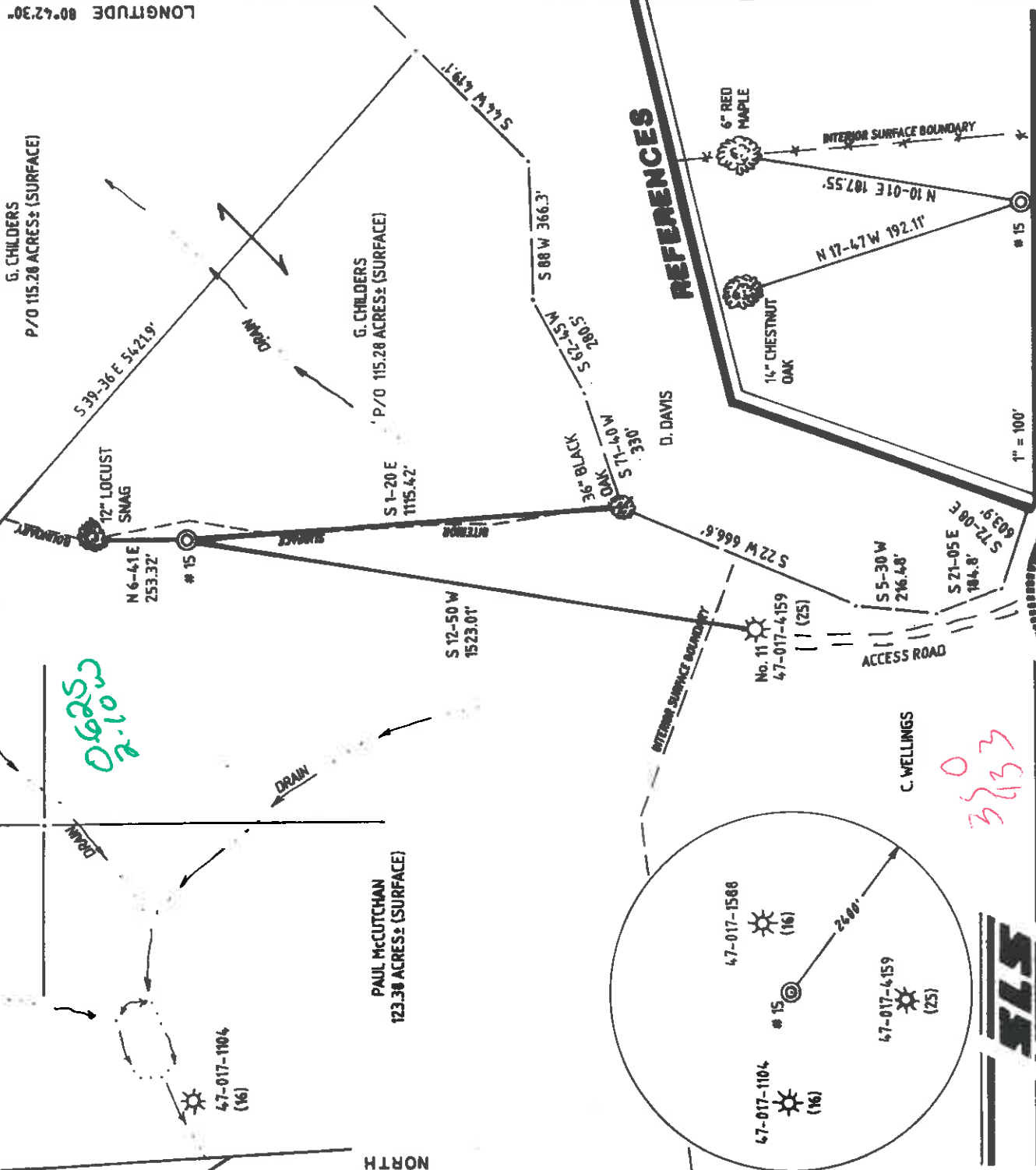
ASHLAND/HOLLAND LEASE P/O 640 & 1882.82 ACRES± WELL # 15

G. CHILDERS
P/O 115.28 ACRES± (SURFACE)

PAUL McCUTCHAN
123.38 ACRES± (SURFACE)

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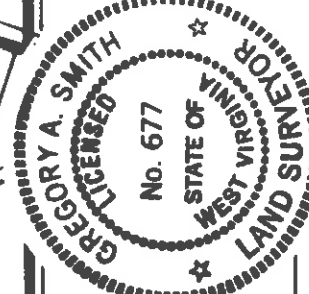
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REFERENCES

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.

L.L.S. *Gregory A. Smith*
677



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

DATE JUNE 9, 19 95
OPERATORS WELL NO. ASHLAND/HOLLAND #15
API WELL NO. 47 - 017 - 04237
STATE 47 COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3028153-521
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1248' SCALE 1" = 400'

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 184' WATERSHED BLUESTONE CREEK

DISTRICT WEST UNION COUNTY DOODRIDGE QUADRANGLE SMITHBURG 7.5'

SURFACE OWNER PAUL McCUTCHAN ACREAGE 123.38

ROYALTY OWNER LEWIS MAXWELL III ET AL. LEASE ACREAGE P/O 640 & 1882.82 LEASE NO. _____

PROPOSED WORK:
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER ALEXANDER, BENSON, RILEY
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION _____ ESTIMATED DEPTH 5,359

WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN M. PALETTI
ADDRESS BOX N GLENVILLE, WV 26351 ADDRESS 501 56th St. CHARLESTON, WV 25304



Reviewed

WR-35

RECEIVED
Office of Oil & Gas
Permitting
MAR 24 2000
WV Division of
Environmental Protection

16-Nov-98
API # 47-017-04237-F

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Farm name: MCCUTCHEON, PAUL Operator Well No.: Ashland/Holland #15

LOCATION: Elevation: 1194.00 Quadrangle: Smithburg
District: West Union County: Doddridge
Latitude: 3370 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude: 11120 Feet West of 80 Deg. 42 Min. 30 Sec.

Company: EASTERN AMERICAN ENERGY CORP.
P. O. Box 820
Glenville WV 26351

Agent: JOHN PALETTI

Inspector: MIKE UNDERWOOD
Permit Issued: 11/16/98

Well work commenced: 10/05/99
Well work completed: 10/05/00
Verbal plugging
permission granted on:

Rotary X Cable Rig

Total Depth (feet) 5444' (10/96)

Fresh water depths (ft) 464' Salt water depths (ft) NONE Is coal being mined in area? (Y/N) N

Coal Depths (ft) NONE

Casing & Tubing	Used in Well	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	20'	20'	
8-5/8"	1106'	1106'	275 SXS
4-1/2"		5433'	750 SXS

OPEN FLOW DATA

Producing Formation Gordon Pay zone depth (ft) 2713' - 2688'

Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow N/A MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests N/A Hours

Static rock pressure 800 psi (surface pressure) after 24 Hours

2nd 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 psi (surface pressure) after Hours

3rd 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 psi (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.

JOHN PALETTI, AGENT
For: EASTERN AMERICAN ENERGY CORPORATION

John Paletti

By:

Date: MARCH 28, 2000

DOOD 4237 F

MAR 31 2000

ASHLAND/HOLLAND #15

STAGE ONE: Gordon

15 holes (2713' - 2688')
Fracture: 500 gal 15% HCl acid, 25# cross linked gel, and 27,700# 20/40 sand. Formation broke at 1720
psi

REBECCA
Office of Oil & Gas
Permitting
MAR 24 2000
WV Division of
Environmental Protection

RECEIVED
WV Division of
Environmental Protection

NOV 19 1996

API # 47-017-04237

27-Dec-95

WR-35

Permitting
Office of Oil & Gas
State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Operator Well No.: ASHLND/HOLND #15

Farm name: MCCUTCHEON, PAUL ETAL

Quadrangle: SMITHBURG

Elevation: 1194.00

County: DODDRIDGE

District: WEST UNION

Feet South of 39 Deg. 17 Min. 30 Sec.

Latitude: 3370

Feet West of 80 Deg. 42 Min. 30 Sec.

Longitude: 11120

Feet West of 80 Deg. 42 Min. 30 Sec.

Company: EASTERN AMERICAN ENERGY CORP

501 56TH STREET

CHARLESTON WV 26304

Agent: JOHN M. PALETTI

Inspector: MIKE UNDERWOOD

Permit issued: 12/26/95

Well work commenced: 10/01/96

Well work completed: 10/07/96

Verbal plugging

permitted granted on: _____ Rig

Rotary Cable _____

Total Depth (feet) 5444'

Fresh water depths (ft) 464'

Salt water depths (ft) NONE

Is coal being mined in area? (Y/N) N

Coal Depths (ft) NONE

OPEN FLOW DATA (Co-mingled)

Producing Formation Alexander, Benson, 3rd Riley, Riley

Pay zone depth (ft) 5350' - 4562.5'

Oil: Initial open flow 561 MCF/d

Gas: Initial open flow 471 MCF/d

Time of open flow between initial and final tests _____

Static rock pressure 1350 psi (surface pressure) after _____

Pay zone depth (ft) _____

Initial open flow _____ Bbl/d

Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____

Static rock pressure _____ psi (surface pressure) after _____

2nd Producing Formation _____

Initial open flow _____ MCF/d

Gas: Initial open flow _____ MCF/d

Final open flow _____ MCF/d

Time of open flow between initial and final tests _____

Static rock pressure _____ psi (surface pressure) after _____

Pay zone depth (ft) _____

Initial open flow _____ Bbl/d

Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____

Static rock pressure _____ psi (surface pressure) after _____

Casing & Tubing	Used in Well	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1106'	1106'	275 SXS
4-1/2"	-----	5433'	750 SXS

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1) DETAILS OF PERFORATED IN
FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A
DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE

For: MARK JENKINS, SENIOR DRILLING SUPERVISOR
EASTERN AMERICAN ENERGY CORPORATION

By: _____
Date: November 14, 1996

NOV 22 1996

017 4237

REMARKS

Including indication of
all fresh & salt water,
coal, oil & gas

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Soil			0	32	
Sand			32	165	
Shale and Red Rock			165	190	
Sand			190	400	
Red Rock			400	420	
Sand			420	458	
Sandy Shale and Sand			458	690	Soaped hole at 464'
Red Roack			690	730	
Sand and Sandy Shale			730	1895	
Little Lime			1895	1918	1502' - No show
Sand			1918	1932	1847' - 100/10 1" w/water
Shale			1932	1945	
Big Lime			1945	2030	
Keener			2030	2060	2003' - 80/10 1" w/water
Big Injun			2060	2106	2003' - 4/10 2" w/water
Shale			2106	2258	
Weir			2258	2346	2157' - 12/10 2" w/water
Shale			2346	2459	2410' - 12/10 2" w/water
Berea			2459	2480	
Shale			2480	2660	2631' - 10/10 2" w/water
Gordon			2660	2714	2725' - 10/10 2" w/water
Shale with trace Siltstone			2714	3341	3006' - 10/10 2" w/water
Warren			3341	3391	3318' - 10/10 2" w/water
Shale with trace Siltstone			3391	4546	3600' - 10/10 2" w/water
Riley			4546	4604	3947' - 10/10 2" w/water
Shale with trace Siltstone			4604	4902	4230' - 8/10 2" w/water
Third Riley			4902	4952	4510' - 8/10 2" w/water
Shale			4952	5008	
Benson			5008	5051	
Shale with trace Siltstone			5051	5266	5108' - 8/10 2" w/water
Alexander			5266	5360	
Shale			5360	5444	
TD			5444	5444	TD- 8/10 2" w/water
					DC- 6/10 2" w/water

ASHHOLL15.W35

017 4237

ASHHOL15.W35

STAGE ONE:

Alexander
22 holes (5291' -5350') Fractured with 30#/1000 gals gelled water, 54,000
lbs 20/40 sand and 250 gals 15% HCl acid.

STAGE TWO:

Benson/3rd Riley
24 holes (4927' - 5017') Fractured with 30#/1000 gals gelled water,
19,000 lbs 20/40 sand and 500 gals 15% HCl acid.

STAGE THREE:

Riley
14 holes (4562.5' - 4575') Fractured with 30#/1000 gals gelled water,
5,000 lbs of 80/10 sand, 32,000 lbs 20/40 sand and 500 gals 28% HCl acid.

NOV 22 1996

017-04237

FORM WW-2B

PAGE 4 OF 10

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

Issued 12/26/95
Expires 12/26/97

- Well Operator: Eastern American Energy Corporation
- Operator's Well Number: ASHLAND/HOLLAND #15 3. Elevation: G.L.=1194'
- Well type: (a) Oil___ or Gas **XX** /
(b) If Gas: Production **XX** / Underground Storage___ /
Shallow **XX** / Deep___
- Proposed Target Formation(s): Alexander, Benson, Riley ⁴²⁹
Proposed Total Depth: 5444 feet
Approximate fresh water strata depths: 50', 79', 135'
Approximate salt water depths: None
Approximate coal seam depths: 605'-608', 1013'-1015'
Does land contain coal seams tributary to active mine? Yes___ / No **XX** /
Proposed Well Work: Drill and complete new well.
Deepest Red Rock: 1100'
- Wells used to correlate data: Dod-4159, Dod-4138, Dod-4199, Dod-1104, Dod-1588

RECEIVED
WV Division of
Environmental Protection

12/26/95

Permitting
Office of Oil & Gas

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight Per Foot	For Drilling	Left in Well	
Conductor	11-3/4"	F-25	32.0	20'	---	Fill-Up (cu. ft.) O.K. <i>[Signature]</i>
Fresh Water	*8-5/8"	F25	20.0	1100'	1100	C.T.S. 38CSR18-11.3 38CSR18-11.2.2
Coal	9-5/8"	F.25	26.0			C.T.S.
Intermediate	*7"	H-40	17.0			C.T. 9-5/8"
Production	4-1/2"	J-55	10.5	---	5359'	38CSR18-11.1
Tubing						
Liners						

* OPTIONAL: Based upon coal or excessive amounts of water being encountered below the 9-5/8" casing.

PACKERS: Kind _____
Sizes _____
Depths Set _____

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 Bond (Type) Agent

49017-04237

Date: December 20, 1995
Operator's well number
Ashland/Holland #15
API Well No: 47 - 017 - 4237
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 Paul McCutchan
Address 300 Wood Street
West Union, WV
- (b) Name Charles Wellings, Jr.
Address Route 18 South, Box 3
West Union, WV
- (c) Name *Charles Wellings, Jr.*
Address *Route 18 South, Box 3*
- Inspector Mike Underwood
Address Route 2, Box 135
Salem, WV 26426
Telephone (304) - _____
- 5) (a) Coal Operator:
Name N/A
Address _____
- (b) Coal Owner(s) RECEIVED
Name N/A
Address Environmental Protection
WV Division of
Permitting
Name N/A
Address Dec 22 1995
- (c) Coal Lessee PERMITS SECTION
Name N/A
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

X 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:

X Personal Service (Affidavit attached)

_____ Certified Mail (Postmarked postal receipt attached)

_____ Publication (Notice of publication attached)

INSTRUCTIONS TO SURFACE OWNERS NAMED ABOVE

(Continued on Reverse)

The well operator named below is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22B of the West Virginia Code. Well work permits are valid for 24 months.

Well Operator *John M. Smith*
Designated Agent
Its: _____
Address 501 56th Street
Charleston, WV 25304

Telephone (304) 925-6100
Subscribed and sworn before me this 20th day of December, 1995

John M. Smith
My commission expires March 27, 2001
Notary Public