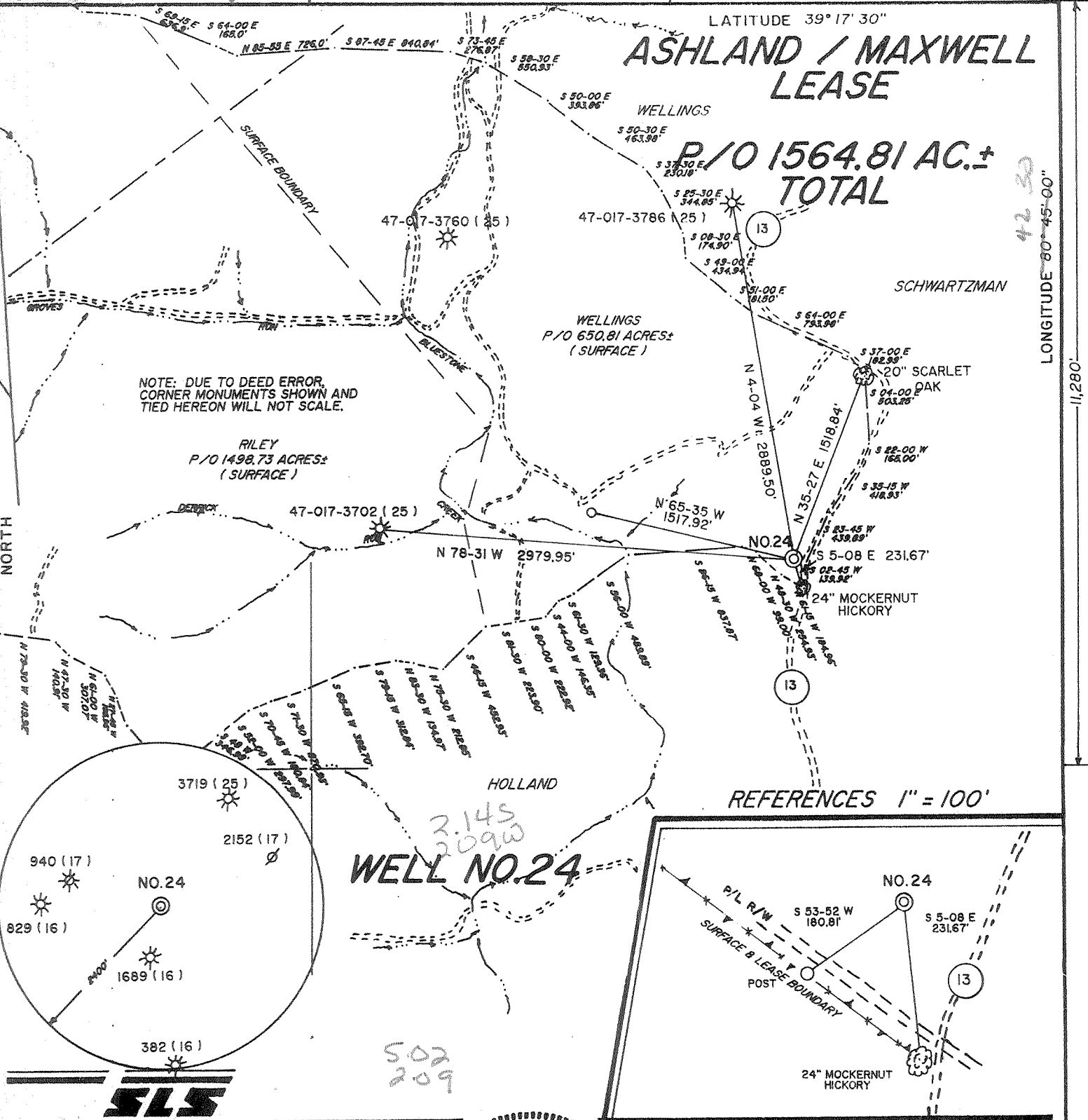


ASHLAND / MAXWELL LEASE

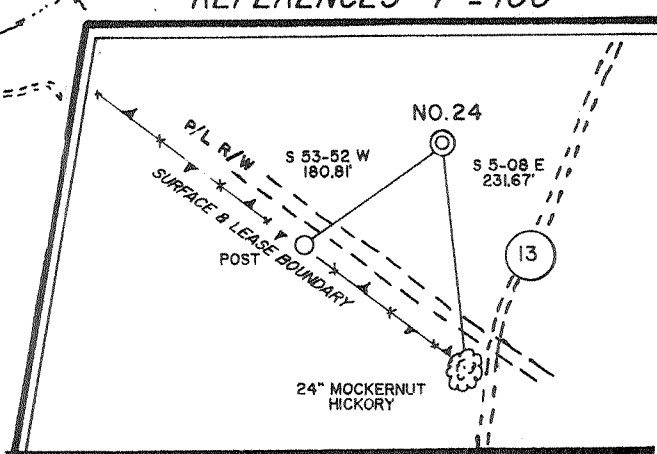
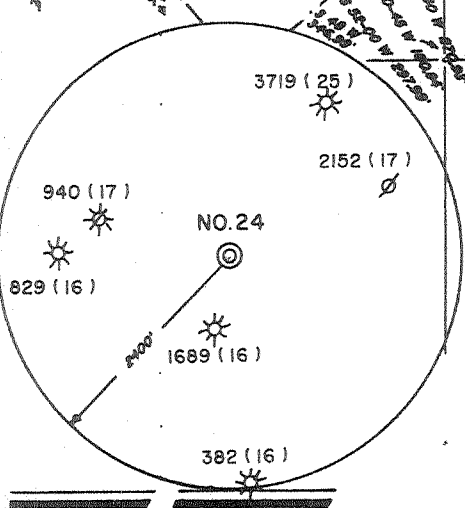
P/O 1564.81 AC.± TOTAL



NORTH

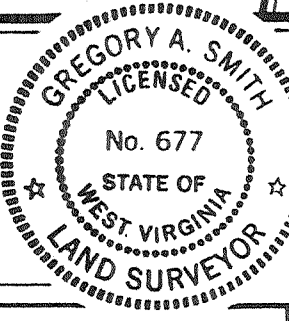
42.30

LONGITUDE 78°45'00"



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 MARCH 10, 19 93
OPERATORS WELL NO. ASHLAND / MAXWELL
WELL NO. 24
API WELL NO. 47 - 017 - 4083
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2777 (42-40)
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1285' SCALE 1" = 1000'

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

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

LOCATION: ELEVATION 1242' WATERSHED BLUESTONE CREEK
DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE SMITHBURG 7.5' WU

SURFACE OWNER CHARLES WELLINGS Jr. ACREAGE P/O 650.84
ROYALTY OWNER LEWIS MAXWELL ET. AL. LEASE ACREAGE 1564.81

PROPOSED WORK: LEASE NO. WV02526 - +
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
ESTIMATED DEPTH 5386'

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

COUNTY NAME PERMIT

JUL 25 94
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

Farm name: WELLINGS, CHARLES JR. Operator Well No.: ASHLND/MAXWEL24

LOCATION: Elevation: 1,242.00 Quadrangle: SMITHBURG

District: WEST UNION County: DODDRIDGE
Latitude: 11280 Feet South of 39 Deg. 17Min. 30 Sec.
Longitude 11090 Feet West of 80 Deg. 45 Min. Sec.

Company: EASTERN AMERICAN ENERGY C
P.O. BOX 820
GLENVILLE, WV 26351-0820

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 12/30/93
Well work Commenced: 05/18/94
Well work Completed: 06/03/94
Verbal Plugging
Permission granted on: _____
Rotary XX Cable _____ Rig
Total Depth (feet) 5389'
Fresh water depths (ft) 65'
Salt water depths (ft) None
Is coal being mined in area (Y/N)? N
Coal Depths (ft): None

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
11-3/4"	20'	----	----
8-5/8"	1280'	1280'	CTS 310 sxs
4-1/2"	----	5330.95'	700 sxs

OPEN FLOW DATA

(Commingled) Balltown 5237.5'-
Producing formation Alexander, Benson, Riley & Pay zone depth (ft) 4029'
Gas: Initial open flow 313 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 551 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock Pressure 1200 psig (surface pressure) after 24 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: Mark Jenkins Mark Jenkins
EASTERN AMERICAN ENERGY CORP.

By: Senior Drilling Supervisor
Date: 7-27-94

JUL 28 1994

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

4 Stage Frac

Stage One - Alexander: 15 holes (5192'-5237.5'), fraced w/energized water, 30 lbs gel/1000 gals, 40,000 lbs of 20/40 sand, 500 gals of 15% HCL acid and 85,000 scf of N2.

Stage Two - Benson: 12 holes (4904.5'-4910.5'), fraced w/energized water, 30 lbs gel/1000 gals, 40,000 lbs of 20/40 sand, 500 gals of 15% HCL acid and 87,000 scf of N2.

Stage Three - Riley: 12 holes (4460'-4477'), fraced w/energized water, 30 lbs gel/1000 gals, 23,000 lbs of 20/40 sand, 500 gals of 15% HCL acid and 82,000 scf of N2.

Stage Four - Balltown: 13 holes (4029'-4150'), fraced w/energized water, 30 lbs gel/1000 gals, 27,000 lbs of 20/40 sand, 500 gals of 15% HCL acid and 70,000 scf of N2.

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, and gas
Clay			0	6	
Shale			6	11	
Sand, Shale and Sandy Shale			11	65	1/2" H2O @ 65'
Shale and Red Rock			65	90	
Red Rock			90	140	<u>Gas Checks:</u>
Sandy Shale			140	315	1630' - No Show
Shale and Red Rock			315	350	1883' - No Show
Sandy Shale			350	395	1974' - No Show
Shale and Red Rock			395	469	2356' - No Show
Sandy Shale			469	518	2547' - No Show
Sand and Lime			518	535	2799' - No Show
Red Rock			535	541	3020' - 6/10 thru 1" w/H2O
Shale			541	590	3177' - 4/10 thru 1" w/H2O
Sandy Shale			590	752	3494' - 4/10 thru 1" w/H2O
Red Rock			752	801	3810' - 4/10 thru 1" w/H2O
Sand			801	812	4095' - 8/10 thru 1" w/H2O
Shale			812	865	4350' - 8/10 thru 1" w/H2O
Red Rock			865	892	4698' - 8/10 thru 1" w/H2O
Sand			892	908	5044' - 18/10 thru 1" w/H2O
Red Rock			908	938	5295' - 18/10 thru 1" w/H2O
Sand			938	959	TD - 26/10 thru 1" w/H2O
Red Rock			959	966	DC - 10/10 thru 1" w/H2O
Shale			966	1010	
Sand			1010	1080	
Shale			1080	1268	
Sand			1268	1290	
Shale w/trace sand			1290	1455	
Little Lime			1455	1497	
Shale			1497	1506	
Big Lime			1506	1586	
Keener			1586	1636	
Big Injun			1636	1662	
Shale			1662	1812	
Weir			1812	1904	
Shale			1904	2014	
Berea			2014	2030	

JUL 28 1994

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Shale			2030	2208	
Gordon			2208	2264	
Shale w/trace Sand			2264	2868	
Warren			2868	2928	
Shale w/trace Sand			2928	4086	
Riley			4086	4134	
Shale w/trace Sand			4134	4446	
Third Riley			4446	4484	
Shale			4484	4540	
Benson			4540	4582	
Shale w/trace Sand			4582	4808	
Alexander			4808	4884	
Shale			4884	4995	
Total Depth				4995	

JUL 28 1994
1843⁰⁰

NOV 29 93

017-4083
Issued 12/30/93
Page 3 of 9
Expires 12/30/95

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

18430

- 1) Well Operator: Eastern American Energy Corporation ²⁵⁹ 14980 (8) 611
- 2) Operator's Well Number: Ashland/Maxwell #24 3) Elevation: 1242'
- Well type: (a) Oil / or Gas XX/
- (b) If Gas: Production XX/ Underground Storage /
- Deep / Shallow XX/
- Proposed Target Formation(s): Alexander ⁴³⁹
- Proposed Total Depth: 5386 feet
- 1) Approximate fresh water strata depths: 228', 409', 469', 551'
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: 10'-13', 519'-522'
- 10) Does land contain coal seams tributary to active mine? Yes / No XX/
- 11) Proposed Well Work: Drill and complete new well.
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11-3/4"	F-25	32.0	20'	-----	-----
Fresh Water	8-5/8"	F-25	20.0	1242'	1242'	C.T.S. 38CSR18-11.3 38CSR18-11.2.2
Coal						
Intermediate	*					
Production	4-1/2"	J-55	10.5		5301'	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 WW-2B Bond Surety Blanket Agent
 (Type)

#9857

1) Date: November 22, 1993
2) Operator's well number
Ashland/Maxwell #24
3) API Well No: 47 - 017 - 4083
State - County - Permit

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE 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>Charles Wellings, Jr.</u>	Name <u>N/A</u>
Address <u>Rt. 18 South, Box 3</u>	Address _____
<u>West Union, WV 26456</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Mike Underwood</u>	(c) Coal Lessee with Declaration
Address <u>Rt. 2, Box 135</u>	Name <u>N/A</u>
<u>Salem, WV 26426</u>	Address _____
Telephone <u>(304)-782-1043</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 9 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.

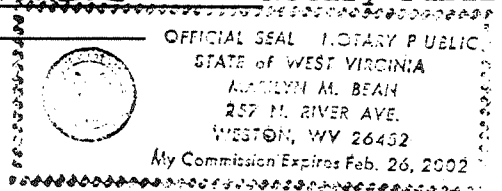
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Eastern American Energy Corporation
 By: John M. Paletti John Paletti
 Its: Designated Agent
 Address P. O. Box 820
Glenville, WV 26351
 Telephone (304) 462-5781

Subscribed and sworn before me this 22nd day of November, 1993

My commission expires February 26, 2002. Marilyn M. Bean Notary Public



1) Date: November 18, 1993
2) Operator's well number
Ashland/Holland #4
3) API Well No: 47 - 017 - 4082
State - County - Permit

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE 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>Charles Wellings, Jr.</u>	Name <u>N/A</u>
Address <u>Rt. 18 South, Box 3</u>	Address _____
<u>West Union, WV 26456</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
(c) Name _____	Address _____
Address _____	Name _____
	Address _____
6) Inspector <u>Mike Underwood</u>	(c) Coal Lessee with Declaration
Address <u>Rt. 2, Box 135</u>	Name <u>N/A</u>
<u>Salem, WV 26426</u>	Address _____
Telephone <u>(304)-782-1043</u>	

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 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)

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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 Eastern American Energy Corporation
 By: John M. Paletti John Paletti
 Its: Designated Agent
 Address P. O. Box 820
Glenville, WV 26351
 Telephone (304) 462-5781

Subscribed and sworn before me this 13th day of November, 1993

My commission expires February 26, 2002 Marilyn M. Bean Notary Public

