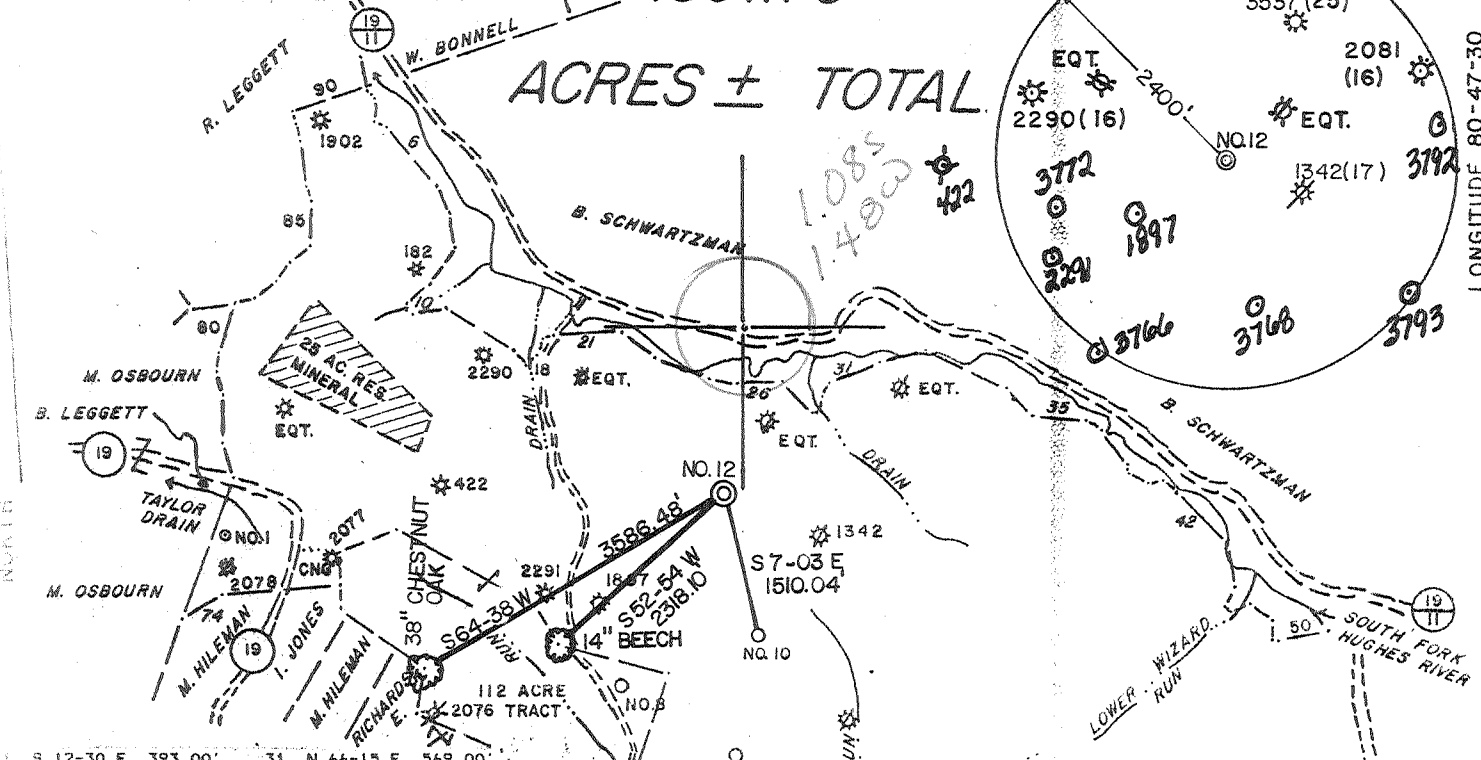


Jamie 4/24/90

BLAUSER/W.B. MAXWELL LEASE

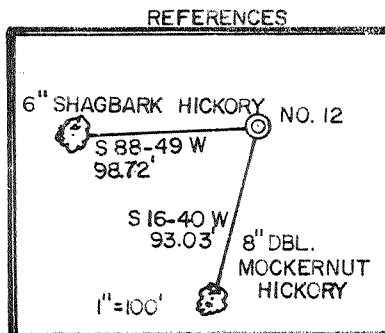
WELL NO. 12 1891.75

ACRES ± TOTAL



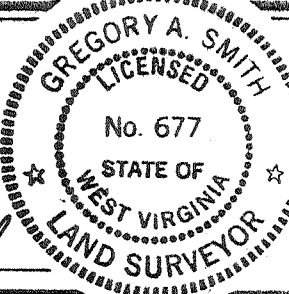
1. S 12-30 E 393.00'	31. N 66-15 E 569.00'
2. S 39-00 E 107.00'	32. N 74-45 E 504.00'
3. S 4-30 E 206.00'	33. S 66-00 E 928.00'
4. S 55-30 E 143.00'	34. S 44-30 E 386.00'
5. S 40-45 E 143.00'	35. S 86-00 E 562.00'
6. S 41-00 E 660.00'	36. S 57-00 E 193.00'
7. S 27-30 E 313.00'	37. S 38-00 E 445.00'
8. S 7-00 E 370.00'	38. S 12-30 E 80.00'
9. S 34-30 W 460.00'	39. S 62-30 E 219.00'
10. S 47-00 W 313.00'	40. N 83-00 E 150.00'
11. S 9-00 W 66.00'	41. S 68-30 E 234.00'
12. S 48-30 E 73.00'	42. S 42-15 E 729.00'
13. N 78-30 E 367.00'	43. S 08-45 E 464.00'
14. S 58-30 E 357.00'	44. S 28-00 W 229.00'
15. S 56-00 E 260.00'	45. S 43-30 E 62.00'
16. S 59-00 E 215.00'	46. N 62-30 E 231.00'
17. S 41-30 E 198.00'	47. N 48-45 E 300.00'
18. N 48-30 E 132.00'	48. S 01-30 E 192.00'
19. N 19-30 E 211.00'	49. N 70-30 E 59.00'
20. N 74-00 E 85.00'	50. N 69-00 E 594.00'
21. N 82-15 E 660.00'	51. N 41-00 W 448.80'
22. S 77-15 E 1221.00'	52. N 67-05 W 374.22'
23. S 52-30 E 388.00'	53. N 49-00 W 528.00'
24. S 69-30 E 610.00'	54. S 60-15 W 945.78'
25. S 81-00 E 295.00'	55. S 67-15 E 297.00'
26. N 88-15 E 470.00'	56. S 04-30 E 257.40'
27. S 45-15 E 437.00'	57. S 15-15 W 613.80'
28. N 77-30 E 102.00'	58. S 30-00 W 254.10'
29. N 4-00 E 144.00'	59. S 89-00 W 745.14'
30. N 25-30 E 153.00'	60. S 70-35 W 453.79'

61. N 6-00 W 160.38'	76. N 17-00 W 371.25'
62. N 8-01 W 315.81'	77. N 00-02 W 532.13'
63. N 17-55 W 156.75'	78. N 15-40 W 198.00'
64. S 77-50 W 2557.50'	79. N 09-40 E 201.30'
65. S 76-00 W 610.50'	80. N 17-47 E 557.70'
66. S 76-00 W 792.00'	81. N 77-55 E 203.94'
67. N 32-00 E 1435.50'	82. N 52-00 E 308.22'
68. N 44-00 W 1650.00'	83. N 32-50 E 234.96'
69. N 70-00 W 924.00'	84. N 52-45 E 269.28'
70. N 05-00 E 453.75'	85. N 01-36 E 463.98'
71. N 58-00 W 1056.00'	86. N 16-50 W 169.13'
72. N 01-00 W 198.00'	87. N 08-10 W 475.20'
73. S 85-00 W 1240.97'	88. N 13-45 W 219.12'
74. S 37-46 W 488.40'	89. N 18-00 W 132.00'
75. N 20-21 E 1582.02'	90. N 72-34 E 841.50'



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. 677 Gregory A. Smith



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

DATE JANUARY 2, 19 90

OPERATORS WELL NO BLAUSER/W.B. MAXWELL

API WELL NO. 47 - 017 - 3814

STATE 47 COUNTY 017 PERMIT 3814

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2082 (29-38)

PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. 1291' SCALE 1" = 2000'

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 1152' WATERSHED SOUTH FORK HUGHES RIVER Holbrook NE

DISTRICT SOUTH WEST 7 COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'

SURFACE OWNER BEATRICE SCHWARTZMAN ACREAGE P/O 1255.4 OF 4583.2

ROYALTY OWNER W.B. MAXWELL HEIRS et.al. LEASE ACREAGE 1699 OF 1891.75

PROPOSED WORK: LEASE NO. WVO1918- +

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 5270'

WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN M. PALETTI

ADDRESS BOX N GLENVILLE, WV. 26351 ADDRESS 501 56th ST. CHARLESTON, WV. 25304

6-6 Straight Fork - Belmestone Creek (133)

LONGITUDE 80-47-30
5,791'
COUNTY NAME
PERMIT

RECEIVED
DIVE

AUG 27 1990

Permitting
Oil and Gas Section

API # 47- 17-03814

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: SCHWARTZMAN, BEATRICE Operator Well No.: BLAU/MAXWELL#12 W.B

LOCATION: Elevation: 1152.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 5790 Feet South of 39 Deg. 12Min. 30 Sec.
Longitude 7860 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: EASTERN AMERICAN ENERGY C
P. O. BOX N
GLENVILLE, WV 26351-0000

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 05/03/90
Well work Commenced: 06/18/90
Well work Completed: 07/07/90
Verbal Plugging _____
Permission granted on: _____
Rotary X Cable _____ Rig _____
Total Depth (feet) 5295'
Fresh water depths (ft) 62'

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N
Coal Depths (ft): None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1313.05'	1313.05'	C.T.S.
4-1/2"	5250.15'	5250.15'	342
1-1/2"	---	5077.80'	---

OPEN FLOW DATA

Alexander, Benson/3rd Riley,

Producing formation Riley (Commingled) Pay zone depth (ft) 5180.5' - 442
Gas: Initial open flow 628 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 400 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock Pressure 930 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: Rich Heffelfinger
EASTERN AMERICAN ENERGY CORP.
Rich Heffelfinger
By: Vice President - Regional Operations
Date: August 15, 1990

SEP 6 1990

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

3-STAGE FOAM FRAC:

- Stage 1: Alexander - 14 holes (5180.5'-5116.5') Breakdown 1600 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 69,500 lbs 20/40 sand, 500 gals 15% HCl, 538,300 scf of N₂
- Stage 2: Benson/3rd Riley - 16 holes (4847'-4766.5') Breakdown 1660 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 5,000 lbs 80/100 sand, 57,800 lbs 20/40 sand, 500 gals 15% HCl, 639,700 scf of N₂
- Stage 3: ^{Riley} Benson - 16 holes (4443'-4421') Breakdown 1710 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 5,000 lbs 80/100 sand, 39,200 lbs 20/40 sand, 500 gals 15% HCl, 677,300 scf of N₂

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Brown Sand			0	25	Damp @ 62'
Shale and Sand			25	120	
Red Rock and Shale			120	174	
Sand and Shale			174	922	<u>GAS CHECKS:</u>
Red Rock			922	985	
Sand and Shale			985	1350	1830' - No show
Shale			1350	1370	1922' - No show
Red Rock			1370	1387	2080' - 6/10 thru 3/4" w/water
Sand and Shale			1387	1823	2329' - 2/10 thru 1" w/water
Little Lime			1823	1846	2829' - 40/10 thru 2" w/water
Sand and Shale			1846	1868	3109' - 8/10 thru 2" w/water
Big Lime			1868	1926	3355' - 8/10 thru 2" w/water
Big Injun			1926	2004	3825' - 6/10 thru 2" w/water
Sand and Shale			2004	2165	4328' - 6/10 thru 2" w/water
Weir			2165	2289	4514' - 6/10 thru 2" w/water
Shale and Sandy Shale			2289	2363	4765' - 6/10 thru 2" w/water
Berea			2363	2368	4867' - 6/10 thru 2" w/water
Shale with Minor Sand			2368	3224	5013' - 6/10 thru 2" w/water
Warren			3224	3282	5200' - 6/10 thru 2" w/water
Shale with Minor Sand			3282	4412	T.D. - 6/10 thru 2" w/water
Riley			4412	4456	D.C. - 2/10 thru 2" w/water
Shale with Minor Sand			4456	4742	
3rd Riley			4742	4791	
Shale			4791	4842	
Benson			4842	4878	
Shale with Minor Sand			4878	5092	
Alexander			5092	5190	
Shale with Minor Sand			5190	5295 T.D.	

10493

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

22368

Well Operator: ⁰⁴⁶ TREK, INC. 49660 (X) 671

Operator's Well Number: H.W. SMITH #1 3) Elevation: 992

Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production X / Underground Storage ___ /
Deep ___ / 419 Shallow ___ /
Issued 08/12/96
Expires 08/12/98

5) Proposed Target Formation(s): GORDON/WEIR

6) Proposed Total Depth: ~~5500~~ feet

7) Approximate fresh water strata depths: 81'

8) Approximate salt water depths: 1860'

9) Approximate coal seam depths: N/A

10) Does land contain coal seams tributary to active mine? Yes ___ / No X /

11) Proposed Well Work: FRAC GORDON/WEIR FORMATIONS

12)

CASING AND TUBING PROGRAM

*30' well
9 1/2" TOP 3475'*

TYPE SPECIFICATIONS FOOTAGE INTERVALS CEMENT

	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						380SR/10/1.3
Fresh Water	8-5/8			1200'	1200'	260 sks
Coal						380SR/10/1.22
Intermediate						
Production	4-1/2				5026'	200 sks
Tubing		<i>Electric from well record.</i>				380SR/10/1.1
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Office of Oil and Gas Use Only

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

RECEIVED
WV Division of Environmental Protection
AUG 09 1996
Permitting Office of Oil & Gas

RECEIVED
WV Division of
Environmental Protection
AUG 09 1996

1) Date: August 8, 1996
2) Operator's well number
 H.W. SMITH #1
3) API Well No: 47 - 17 - 3819 - F
 State County Permit

Permitting
Office of Oil & Gas
STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name EDITH S. WHITE (AGENT)
Address 30 MIDDLEBOURNE RT.
WEST UNION, WV 26456
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
Name _____
Address _____
- (b) Coal Owner(s) with Declaration
Name _____
Address _____
- (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector MIKE UNDERWOOD
Address RT. P.O. BOX 135
SALEM, WV 26426
Telephone (304) - 782-1043

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 Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 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:

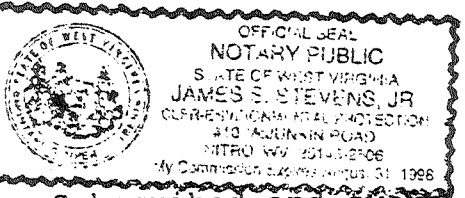
- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 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 TREK, INC.
By: DOUGLAS E. ADAMS *Douglas E. Adams*
Its: FIELD SUPERVISOR
Address P.O. BOX 5087
VIENNA, WV 26105
Telephone _____

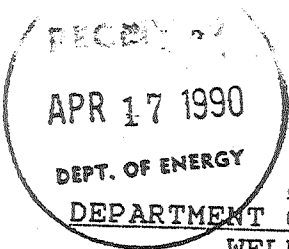


Subscribed and sworn before me this 9th day of August, 1996

James S. Stevens Jr.
Notary Public

My commission expires August 31, 1998

Issued 5/3/90
017-3814 Expires 5/3/92



FORM WW-2B

Page 3 of 10

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

- 1) Well Operator: ²⁵⁹ Eastern American Energy Corporation 14980 (7) 525
- 2) Operator's Well Number: Blauser/W.B. Maxwell #12 3) Elevation: 1152'
WVDOD001112
- 4) Well type: (a) Oil ___/ or Gas XX/
(b) If Gas: Production XX/ Underground Storage ___/
Deep ___/ Shallow XX
- 5) Proposed Target Formation(s): ⁴³⁹ Alexander
- 6) Proposed Total Depth: 3270 feet
- 7) Approximate fresh water strata depths: 237', 364', 458' ^{400' 262'}
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: None
- 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

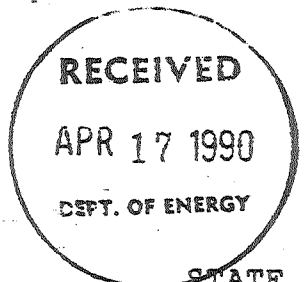
TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11"	F-25	37.5	30'	-----	
Fresh Water	8-5/8"	J-55	20.0	1300'	1300'	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2.2
Intermediate						
Production	4-1/2"	J-55	10.5	5185'	5185'	38CSR18-11.1
Tubing	1-1/2"	H-40	2.75			
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

10184
#10

For Division of Oil and Gas Use Only

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



1) Date: January 26, 1990
2) Operator's well number Blauser/W.B. Maxwell #12 - WVDOD001112
3) API Well No: 47 - 017 - 3814
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- | | |
|--|--|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Beatrice Schwartzman</u>
Address <u>2520 30th Street, N.W.</u>
<u>Washington, DC 20008</u></p> <p>(b) Name _____
Address _____</p> <p>(c) Name _____
Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name <u>None</u>
Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name _____
Address _____</p> <p>Name _____
Address _____</p> |
| <p>6) Inspector <u>Mike Underwood</u>
Address <u>Route 2, Box 135</u>
<u>Salem, WV 26426</u>
Telephone (304)-<u>782-1043</u></p> | <p>(c) Coal Lessee with Declaration</p> <p>Name _____
Address _____</p> |

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 10 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 M. Paletti*
Its: Designated Agent
Address P.O. Box N
Glenville, WV 26351
Telephone (304) 462-5781

Subscribed and sworn before me this 26th day of January, 1990

My commission expires July 2, 1996 *Ja Loraine Lewis* Notary Public