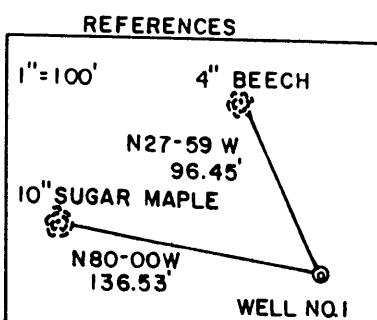
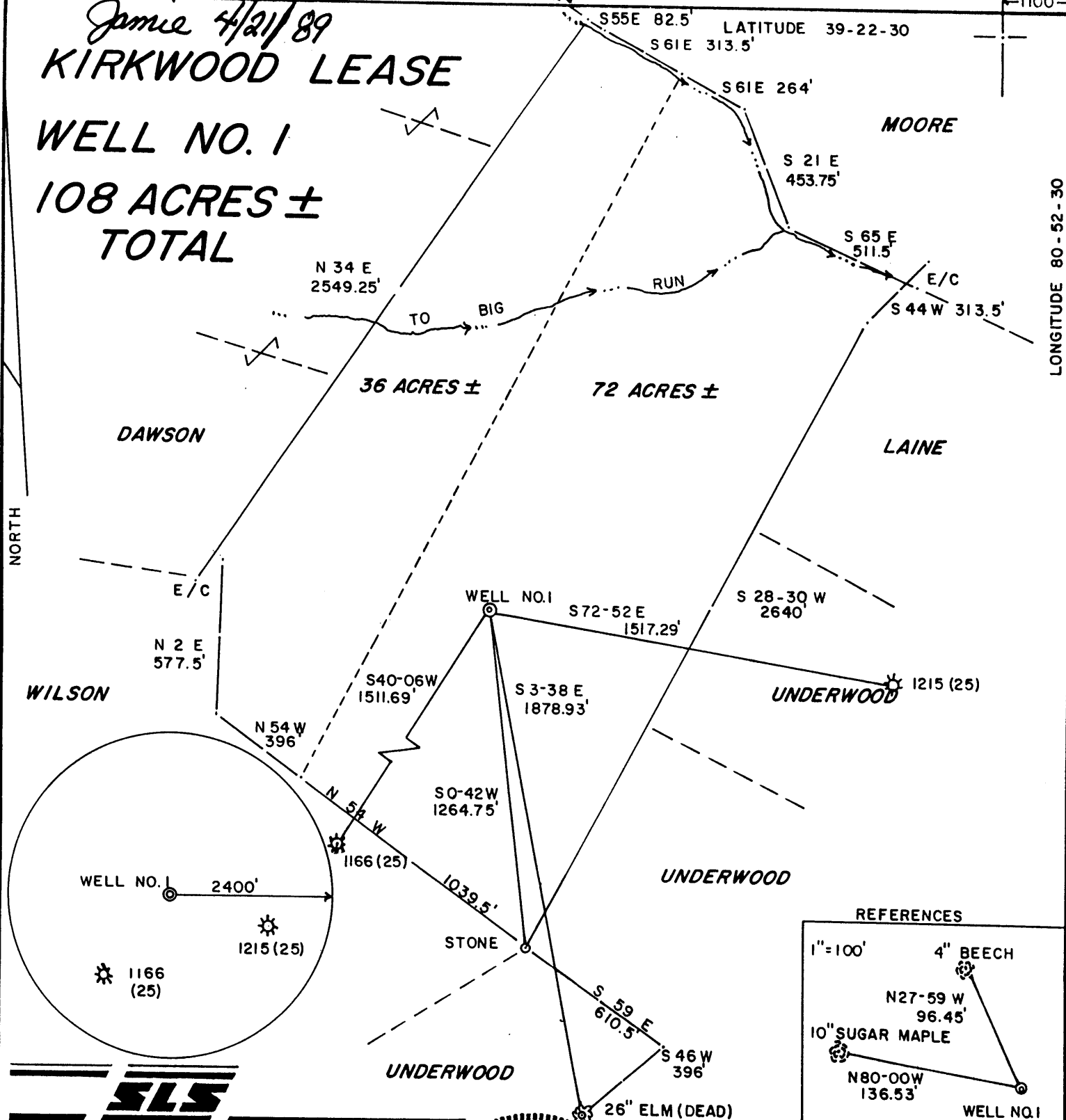
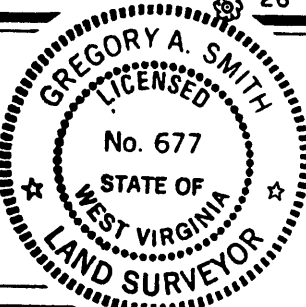


Jamie 4/21/89
KIRKWOOD LEASE
WELL NO. 1
108 ACRES ±
TOTAL



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 NOVEMBER 10, 19 88
 OPERATORS WELL NO. KIRKWOOD NO. 1
 WV TYL000401
 API WELL NO. 47-095-1296
 STATE COUNTY PERMIT
Cancelled

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 1946(26-18)
 PROVEN SOURCE OF ELEVATION BM. ELEVATION 721' SCALE 1" = 500'

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 1008' WATERSHED BIG RUN
 DISTRICT CENTERVILLE COUNTY TYLER QUADRANGLE PENNSBORO 7.5'
 SURFACE OWNER J. B. & SYLVIA KIRKWOOD ACREAGE 108
 ROYALTY OWNER J. B. & SYLVIA KIRKWOOD LEASE ACREAGE 108
 PROPOSED WORK: 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 BENSON
 ESTIMATED DEPTH 5090'

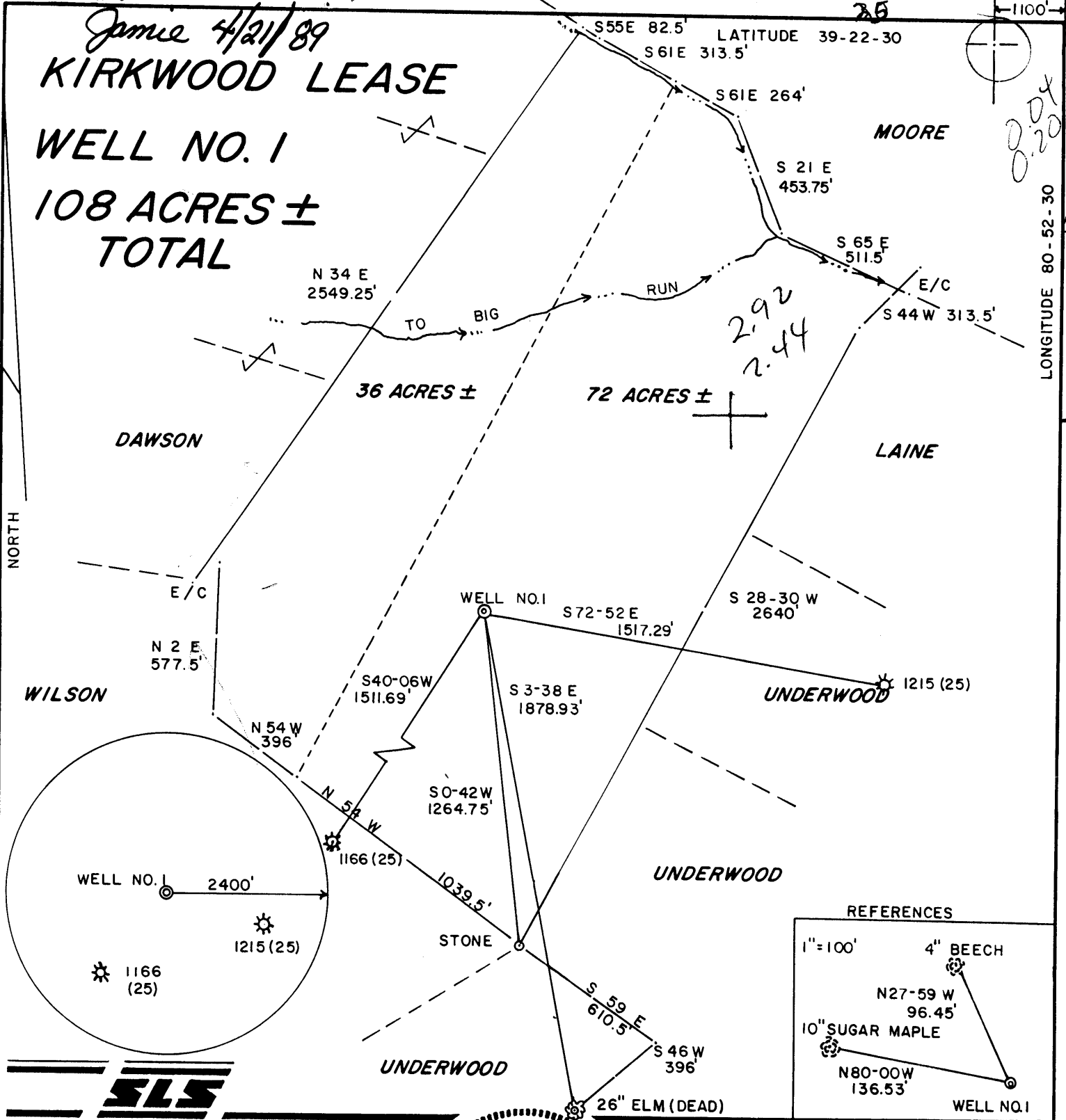
WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT DONALD SUPCOE
 ADDRESS BOX N GLENVILLE, WV 26351 ADDRESS BOX N GLENVILLE, WV 26351

COUNTY NAME PERMIT

Jamie 4/21/89

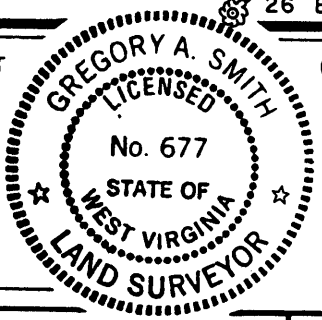
KIRKWOOD LEASE

WELL NO. 1 108 ACRES ± TOTAL



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 NOVEMBER 10, 19 88
OPERATORS WELL NO. KIRKWOOD NO. 1
WV TYL000401
API WELL NO. 47-095-1296
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 1946 (26-18)
PROVEN SOURCE OF ELEVATION BM. ELEVATION 721' SCALE 1" = 500'

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 1008' WATERSHED BIG RUN
DISTRICT CENTERVILLE COUNTY TYLER QUADRANGLE PENNSBORO 7.5'

SURFACE OWNER J. B. & SYLVIA KIRKWOOD ACREAGE 108
ROYALTY OWNER J. B. & SYLVIA KIRKWOOD LEASE ACREAGE 108

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
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION BENSON
ESTIMATED DEPTH 5090'

WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT DONALD SUPCOE
ADDRESS BOX N GLENVILLE, WV 26351 ADDRESS BOX N GLENVILLE, WV 26351

COUNTY NAME PERMIT

APR 28 1989

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

- 1) Well Operator: Eastern American Energy Corporation **14980, 1, 538**
- 2) Operator's Well Number: Kirkwood #1 WVTYL000401 3) Elevation: 1008'
- 4) Well type: (a) Oil / or Gas /
 (b) If Gas: Production / Underground Storage
 Deep / Shallow
- 5) Proposed Target Formation(s): Benson
- 6) Proposed Total Depth: 5,090 feet
- 7) Approximate fresh water strata depths: 41, 100
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: None
- 10) Does land contain coal seams tributary to active mine? Yes / No
- 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 | |
| Conductor | 11" | F-25 | 37.5 | 150 | 150 | C.T.S. set |
| Fresh Water | 8 5/8" | J-55 | 20.0 | 1,150' | 1,150' | C.T.S. 38CSR18-11.3 |
| Coal | | | | | | 38CSR18-11.2 2 |
| Intermediate | | | | | | |
| Production | 4 1/2" | J-55 | 10.5 | 5,010' | 5,010' | 38CSR18-11.1 |
| Tubing | 1 1/2" | H-40 | 2.75 | | 4,560' | |
| Liners | | | | | | |

8721

PACKERS : Kind _____
 Sizes _____
 Depths set _____

RECEIVED
 APR 21 1989

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

Fee(s) paid: 19 Well Work Permit 19 Reclamation Fund 19

Plat 19 WW-9 | 19 WW-2B | 19 Bond Blanket Agent 19

(Type)

RECEIVED
APR 21 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date: April 3, 1989
Operator's well number
KIRKWOOD #1 WVTYL000401
API Well No: 47 - 095 - 1296
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 James Bernard Kirkwood
 - Address Box 509 Stanley Ave.
Clarksburg, WV 26301
 - (b) Name _____
 - Address _____
 - (c) Name _____
 - Address _____
- 5) (a) Coal Operator:
 - Name N/a
 - Address _____
 - (b) Coal Owner(s) with Declaration
 - Name _____
 - Address _____
 - Name _____
 - Address _____
- 6) Inspector Glen P. Robinson
 - Address Rt. 1 #6: v. Pleasant Estates
Mineral Wells, WV 26150
 - Telephone (304)- 489-9162
- (c) Coal Lessee with Declaration
 - Name _____
 - Address _____

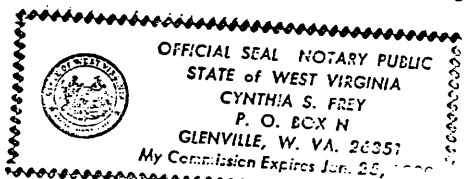
TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ 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) Inspector Hand Delivered

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
 Its: Designated Agent
 Address P. O. Box N
Glenville, WV 26351
 Telephone 462-5781



Subscribed and sworn before me this 3rd day of April, 1989
Cynthia S. Frey Notary Public
 My commission expires January 25, 1999