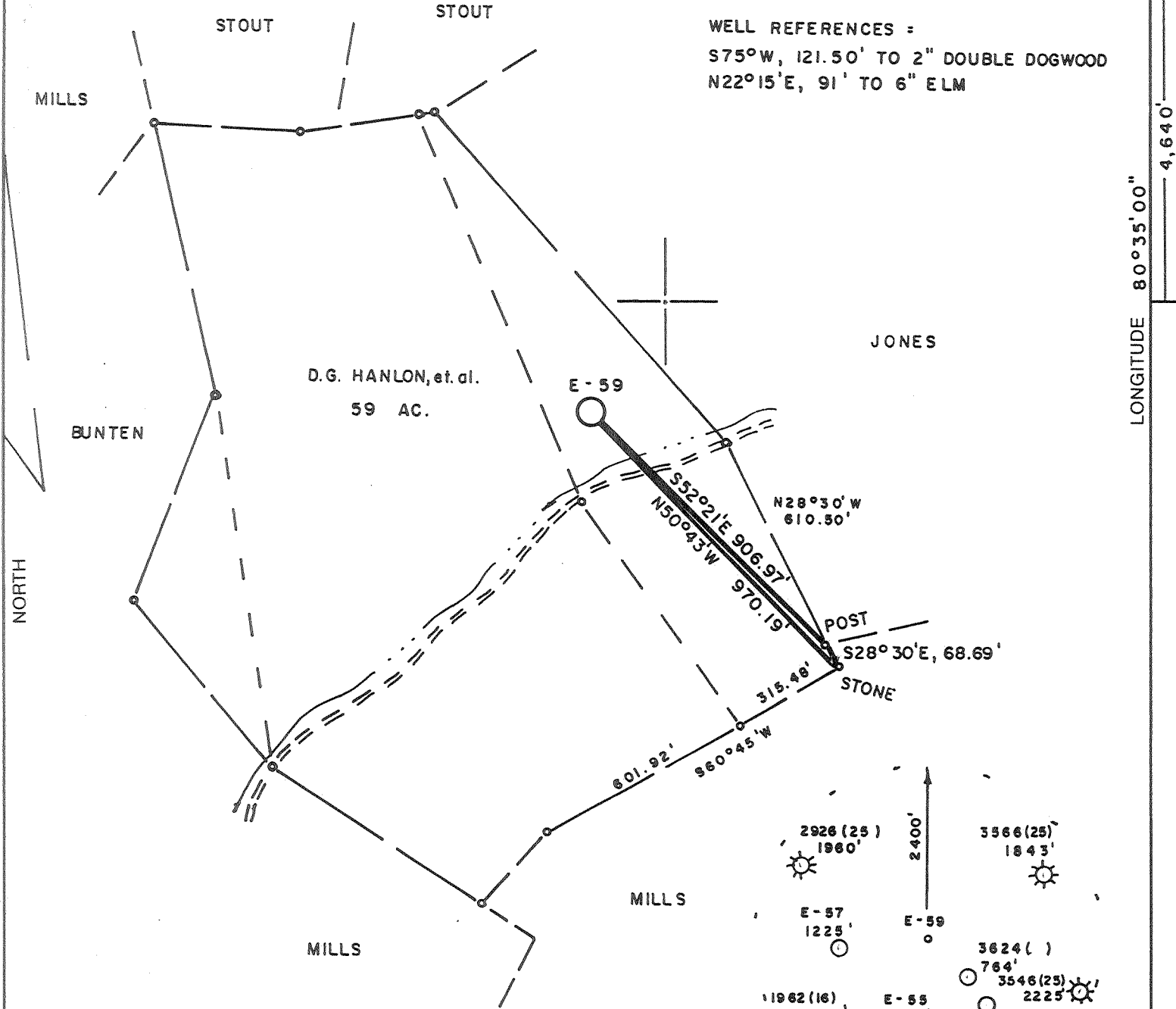


*Janice 7/29/88*

LATITUDE 39° 15' 00"

WELL REFERENCES :  
 S75°W, 121.50' TO 2" DOUBLE DOGWOOD  
 N22°15'E, 91' TO 6" ELM



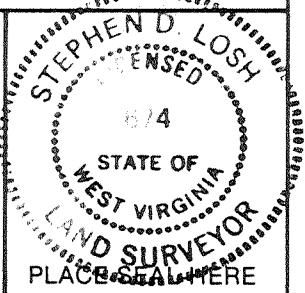
LAND SURVEYING SERVICES  
 21 CEDAR LANE  
 BRIDGEPORT, WV 26330  
 PHONE = 304-842-2018

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

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 2450'S.E. OF LOCATION ELEV. 1288'

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) *[Signature]*  
 R.P.E. \_\_\_\_\_ L.L.S. 674  
 STEPHEN D. LOSH



STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



DATE JULY 05, 19 88  
 OPERATOR'S WELL NO. E-59  
 API WELL NO. RICHARDS NO. 1  
47-017-3663

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 988' WATERSHED BUCKEYE CREEK  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE BIG ISAAC 7.5 min.  
 SURFACE OWNER RICHARD E. JONES ACREAGE 11.763 of 69.75  
 OIL & GAS ROYALTY OWNER DAVID G. HANLON, et. al. LEASE ACREAGE 59  
 LEASE NO. \_\_\_\_\_

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

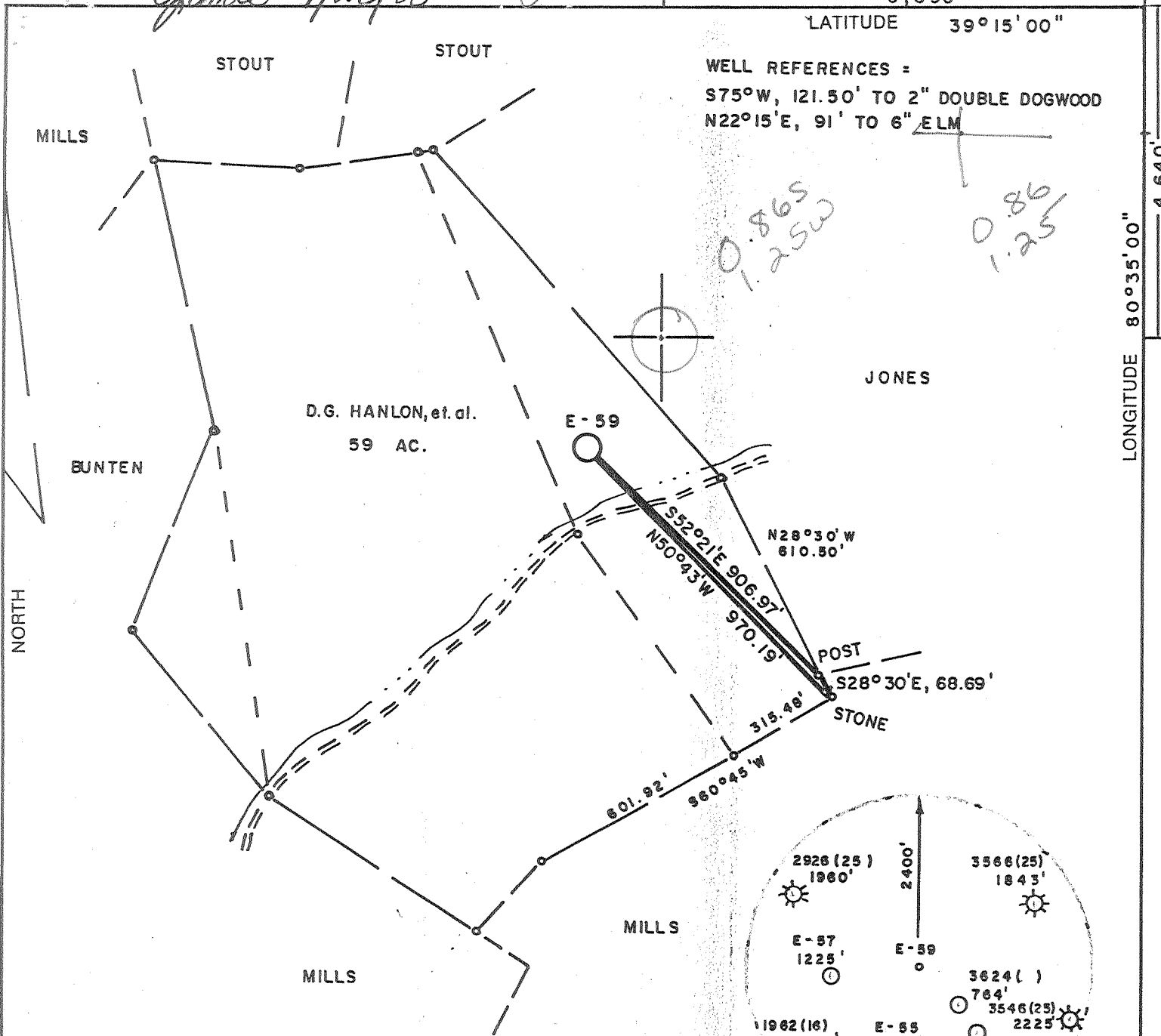
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5700'  
 WELL OPERATOR EXCEL ENERGY, INC. DESIGNATED AGENT HARRY BARNETT  
 ADDRESS P. O. BOX 1020 ADDRESS P. O. BOX 1020  
BRIDGEPORT, WV 26330 1028 BRIDGEPORT, WV 26330

COUNTY NAME DODD  
 PERMIT 3663

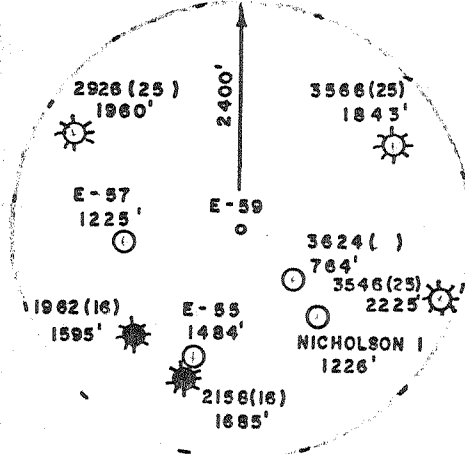
FORM WW-6  
 H.T. HALL 48673

*Jamie 7/29/88*

LATITUDE 39°15'00"

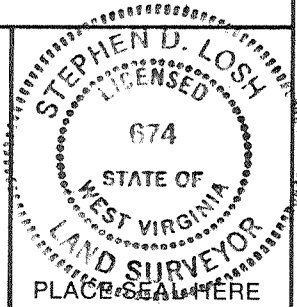


LAND SURVEYING SERVICES  
21 CEDAR LANE  
BRIDGEPORT, WV 26330  
PHONE = 304-842-2018



FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 400'  
MINIMUM DEGREE OF ACCURACY 1 in 200  
PROVEN SOURCE OF ELEVATION TOP OF KNOB 2450'S.E. OF LOCATION ELEV. - 1288'

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) *[Signature]*  
R.P.E. \_\_\_\_\_ L.L.S. 674  
STEPHEN D. LOSH



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



DATE JULY 05, 19 88  
OPERATOR'S WELL NO. E-59  
API WELL NO. 47-017-3663  
STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
LOCATION: ELEVATION 988' WATER SHED BUCKEYE CREEK  
DISTRICT GREENBRIER 4 COUNTY DODDRIDGE  
QUADRANGLE BIG ISAAC 7.5 min. 252 1232  
SURFACE OWNER RICHARD E. JONES ACREAGE 11.763 of 69.75  
OIL & GAS ROYALTY OWNER DAVID G. HANLON, et. al. LEASE ACREAGE 59  
LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL  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 ALEXANDER ESTIMATED DEPTH 5700'  
WELL OPERATOR EXCEL ENERGY, INC. DESIGNATED AGENT HARRY BARNETT  
ADDRESS P. O. BOX 1020 ADDRESS P. O. BOX 1020  
BRIDGEPORT, WV 26330 1020 BRIDGEPORT, WV 26330

AUG 5 - 1988

COUNTY NAME  
PERMIT

FORM WW-6  
HT. HALL 48673

017-3663

Issued 8/7/88 Expired 8/7/90  
Page \_\_\_ of \_\_\_

FORM WW-2B

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

- 1) Well Operator: EXCEL ENERGY, INC. 1022 16570, 4, 252
- 2) Operator's Well Number: E-59 3) Elevation: 1288
- 4) Well type: (a) Oil \_\_\_ / or Gas X /  
(b) If Gas: Production X / Underground Storage \_\_\_ /  
Deep \_\_\_ / Shallow X /
- 5) Proposed Target Formation(s): ALEXANDER 430
- 6) Proposed Total Depth: 5700 feet
- 7) Approximate fresh water strata depths: 30, 60, 155
- 8) Approximate salt water depths: \_\_\_\_\_
- 9) Approximate coal seam depths: 155, 485, 800
- 10) Does land contain coal seams tributary to active mine? Yes \_\_\_ / No X /
- 11) Proposed Well Work: Drill & Stimulate
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling		Left in well
Conductor	11 3/4			30'	0	SANDED IN
Fresh Water						38CSR-18-11.3
Coal						0.4 M. U.
Intermediate	8 5/8		20#	1100	1100	38CSR-18-11.2.0 250 SKS
Production	4 1/2		10.5 #	5400	5400	38-18-11.1 300 SKS
Tubing						
Liners						

RECEIVED  
JUL 22 1988

PACKERS : Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

Fee(s) paid: 10 Well Work Permit 10 Reclamation Fund 10 WPCP

Plat 10 WW-9 10 WW-2B 10 Bond 50 Blanket Agent

(Type)

7460

2038  
[Signature]

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]

**RECEIVED**  
JUL 22 1988

1) Date: July 12, 1988  
2) Operator's well number E-59  
3) API Well No: 47 - 017 - 3663  
State - County - Permit

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

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>Richard E. Jones</u><br/>Address <u>10055 SANDRIDGE ROAD</u><br/><u>MILLFIELD, OH 45761</u></p> <p>(b) Name <u>WILLIAM C. LANTZ</u><br/>Address <u>105 WINDING WAY</u><br/><u>CLARKSBURG, WV 26301</u></p> <p>(c) Name _____<br/>Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name _____<br/>Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name _____<br/>Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name _____<br/>Address _____</p> |
| <p>6) Inspector <u>Mike H. Underwood</u><br/>Address <u>Rt. 2 Box 114</u><br/><u>Salem, WV 26426</u><br/>Telephone (304)- <u>782-1043</u></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

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:

- \_\_\_\_\_ Personal Service (Affidavit attached)
- X 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 EXCELENERGY, INC.  
By: H. L. BARNETT  
Its: PRESIDENT  
Address P.O. BOX 1020  
BRIDGEPORT, WV 26330  
Telephone (304)-842-6927

OFFICIAL SEAL  
NOTARY PUBLIC  
STATE OF WEST VIRGINIA  
KELLY R. OSBORN  
901 W. Main St., Suite 201  
Bridgeport, W. Va. 26330  
MY COMMISSION EXPIRES JULY 16, 1993

Subscribed and sworn before me this 12TH day of JULY, 19 88

My commission expires 7-16-96

Kelly R. Osborn Notary Public