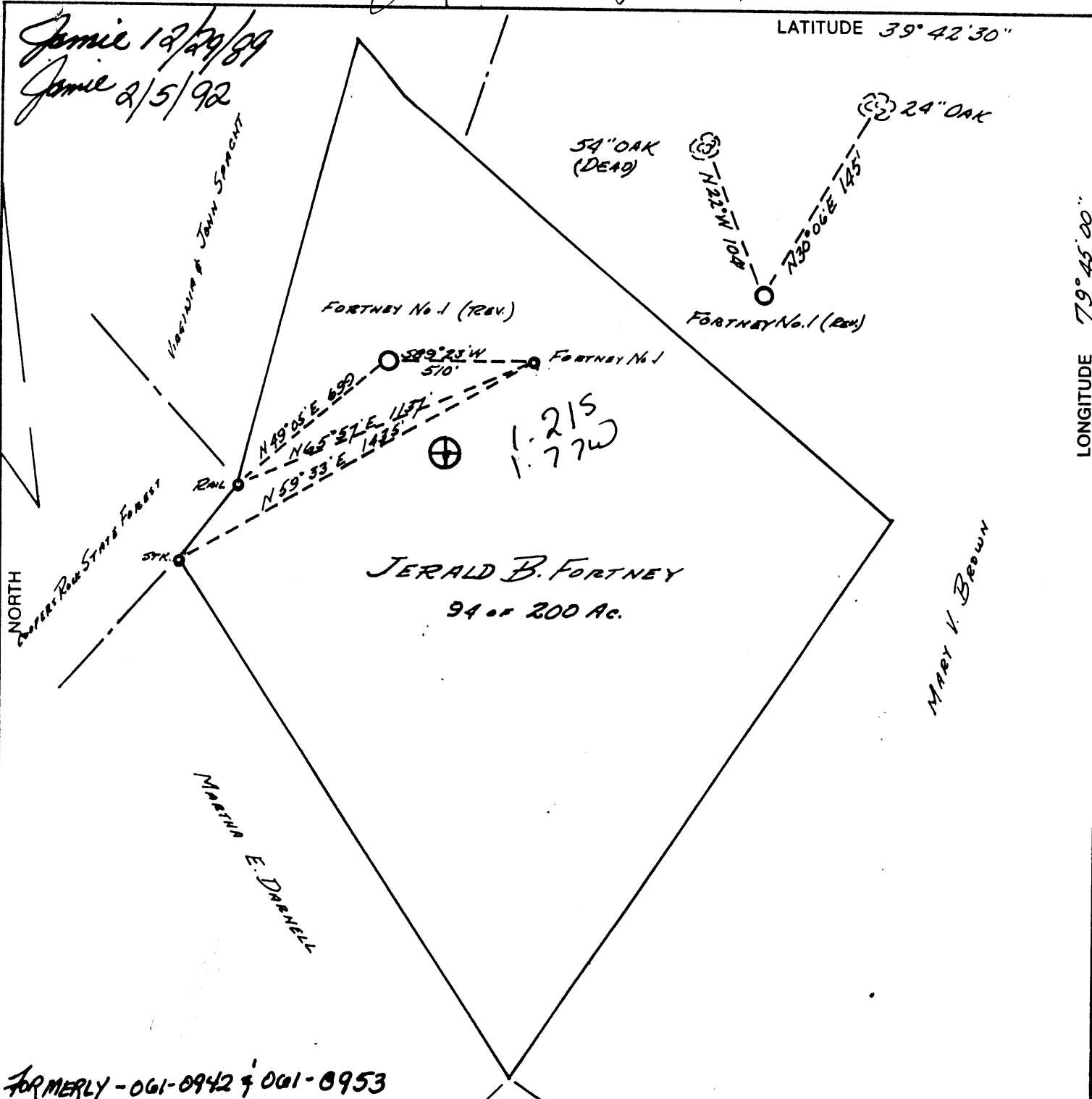


LATITUDE 39° 42' 30"

Janie 12/29/89
Janie 2/5/92



FORMERLY - 061-0942 & 001-0953

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION TAKEN FROM LAKE LYNN TOPOGRAPHIC MAP

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) James S. Tilton
 R.P.E. 2086 L.L.S. _____

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE DECEMBER 18, 1989
 OPERATOR'S WELL NO. FORTNEY No. 1 (REV.)
 API WELL NO.

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 2091 WATERSHED DARNELL HOLLOW TO MORGAN RUN DEP database
 DISTRICT UNION COUNTY MONONGALIA NEVER DRILLED
 QUADRANGLE LAKE LYNN CONC 5/24/94
 SURFACE OWNER JERALD B. FORTNEY ACREAGE 94 OF 200
 OIL & GAS ROYALTY OWNER JERALD B. FORTNEY LEASE ACREAGE 94 OF 200
 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 ORISKANY ESTIMATED DEPTH 8000'
 WELL OPERATOR RE. FOX & ASSOCIATES DESIGNATED AGENT PETER BATTLES
 ADDRESS 370 LEONARD AVE. WASHINGTON, PA 15301 ADDRESS RT. 3, Box 252-B, BRIDGEPORT, WV 26330
4106

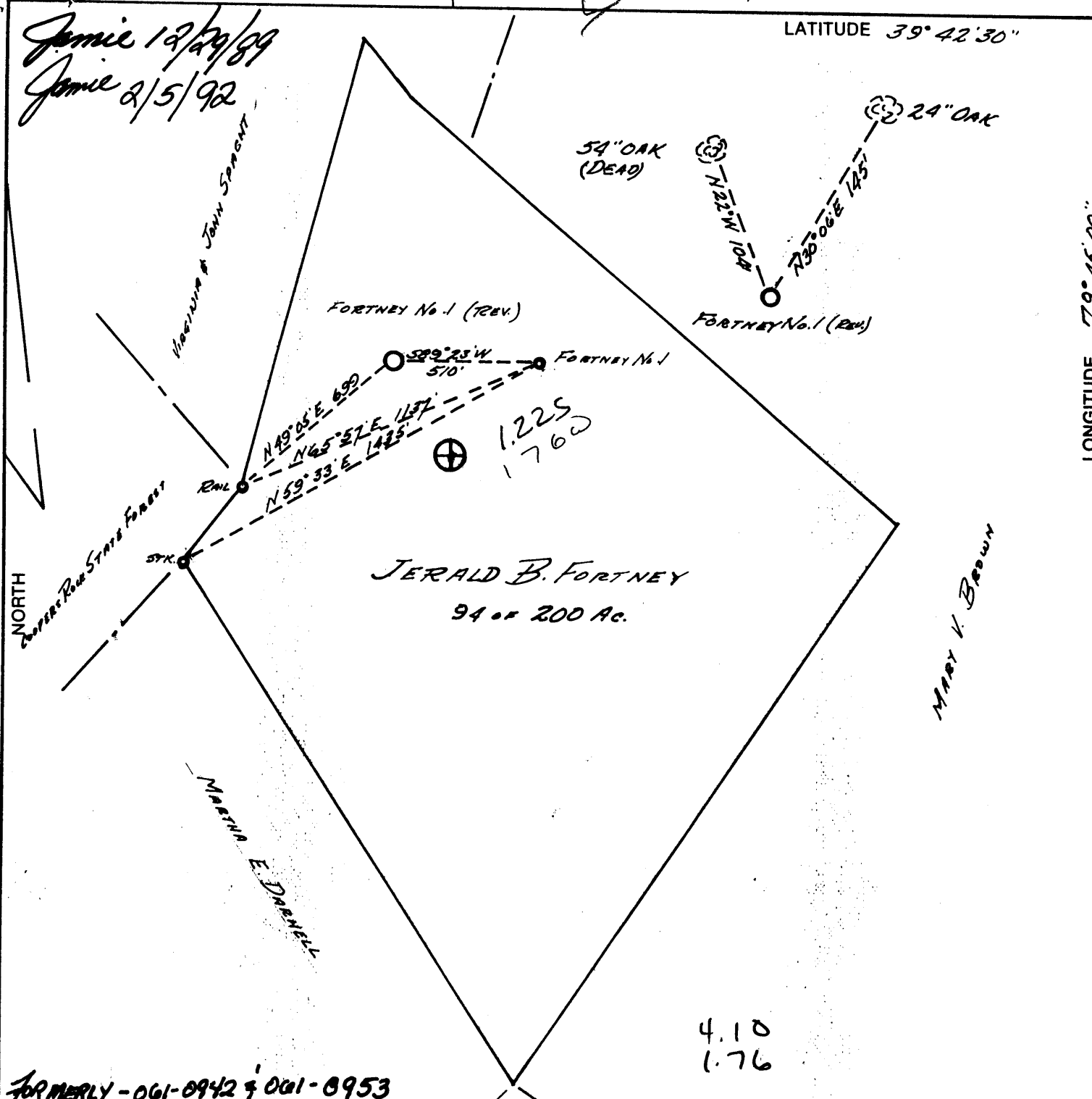
FORM WW-6 H.T. HALL 4/80/74

MONON COUNTY NAME 1057 PERMIT

DEEP WELL

6-6-0

Jamie 12/29/89
Jamie 2/5/92



FORMERLY - 061-0942 & 061-0953

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION TAKEN FROM LAKE LYNN TOPOGRAPHIC MAP

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) Jenna S. Teller
 R.P.E. 2086 L.L.S. _____



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE DECEMBER 18, 1989
 OPERATOR'S WELL NO. FORTNEY No. 1 (REV.)
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___

47 - 061 - 01057
 STATE COUNTY PERMIT

LOCATION: ELEVATION 2091 WATER SHED DARNELL HOLLOW TO MORGAN RUN
 DISTRICT UNION 7 COUNTY MONONGALIA
 QUADRANGLE LAKE LYNN Mgmt NE

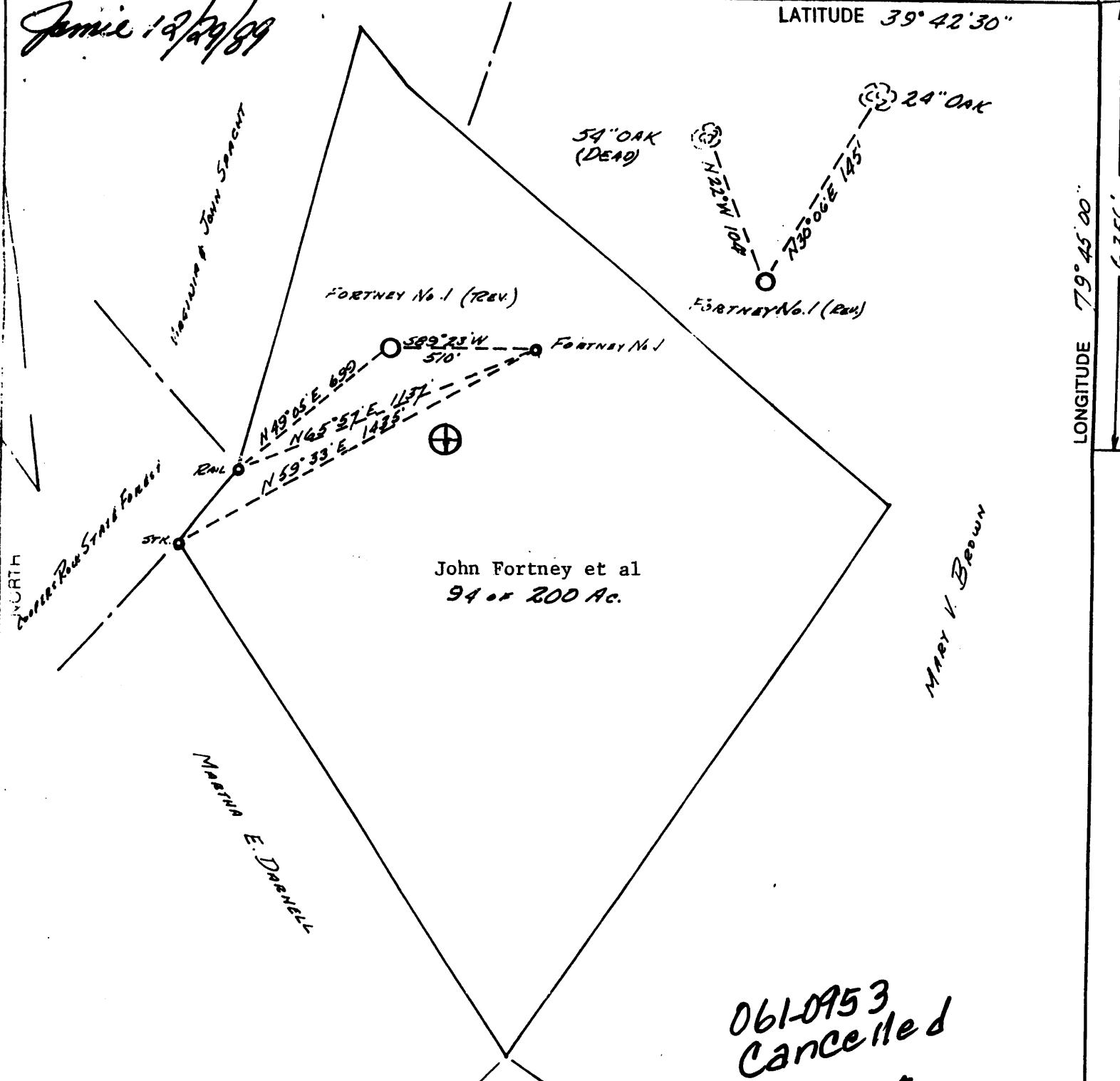
SURFACE OWNER JERALD B. FORTNEY ACREAGE 94 OF 200
 OIL & GAS ROYALTY OWNER JERALD B. FORTNEY LEASE ACREAGE SAME

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 ORISKANY ESTIMATED DEPTH 8000'
 WELL OPERATOR RE. Fox & ASSOCIATES 4106 DESIGNATED AGENT Peter Battles
 ADDRESS 370 LEONARD AVE WASHINGTON, PA 15301 ADDRESS RT. 3, Box 852-B, BRIDGEPORT WV 26330

Janice 12/29/89

LATITUDE 39° 42' 30"



LONGITUDE 79° 45' 00"
6,356'

John Fortney et al
94 of 200 Ac.

061-0953
Cancelled

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF
 ACCURACY 1 Part in 200
 PROVEN SOURCE OF
 ELEVATION Taken From
LAKE LYNN TOPOGRAPHIC MAP

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 REGU-
 LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
 MENT OF ENERGY.
 (SIGNED) Janice S. Tilt
 R.P.E. 2986 L.L.S. _____

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE DECEMBER 18, 1989
 OPERATOR'S WELL NO. FORTNEY No. 1 (REV)
 API WELL NO. _____
47 - 061 - 0953 Cancelled
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 2091 WATER SHED DARNELL Hollow TO MORGAN Run see: 061-1057
 DISTRICT UNION COUNTY MONONGALIA
 QUADRANGLE LAKE LYNN
 SURFACE OWNER John Fortney et al ACREAGE 94 of 200
 OIL & GAS ROYALTY OWNER John Fortney et al LEASE ACREAGE same
 LEASE NO. 2-MON-1-2
 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 ORISKANY ESTIMATED DEPTH 8000'
 WELL OPERATOR RE. Fox & Associates DESIGNATED AGENT Peter Bottles
 ADDRESS 370 LEONARD AVE WASHINGTON PA 15301 ADDRESS RT. 3, Box 252-B, BRIDGEPORT WV 26330
4106

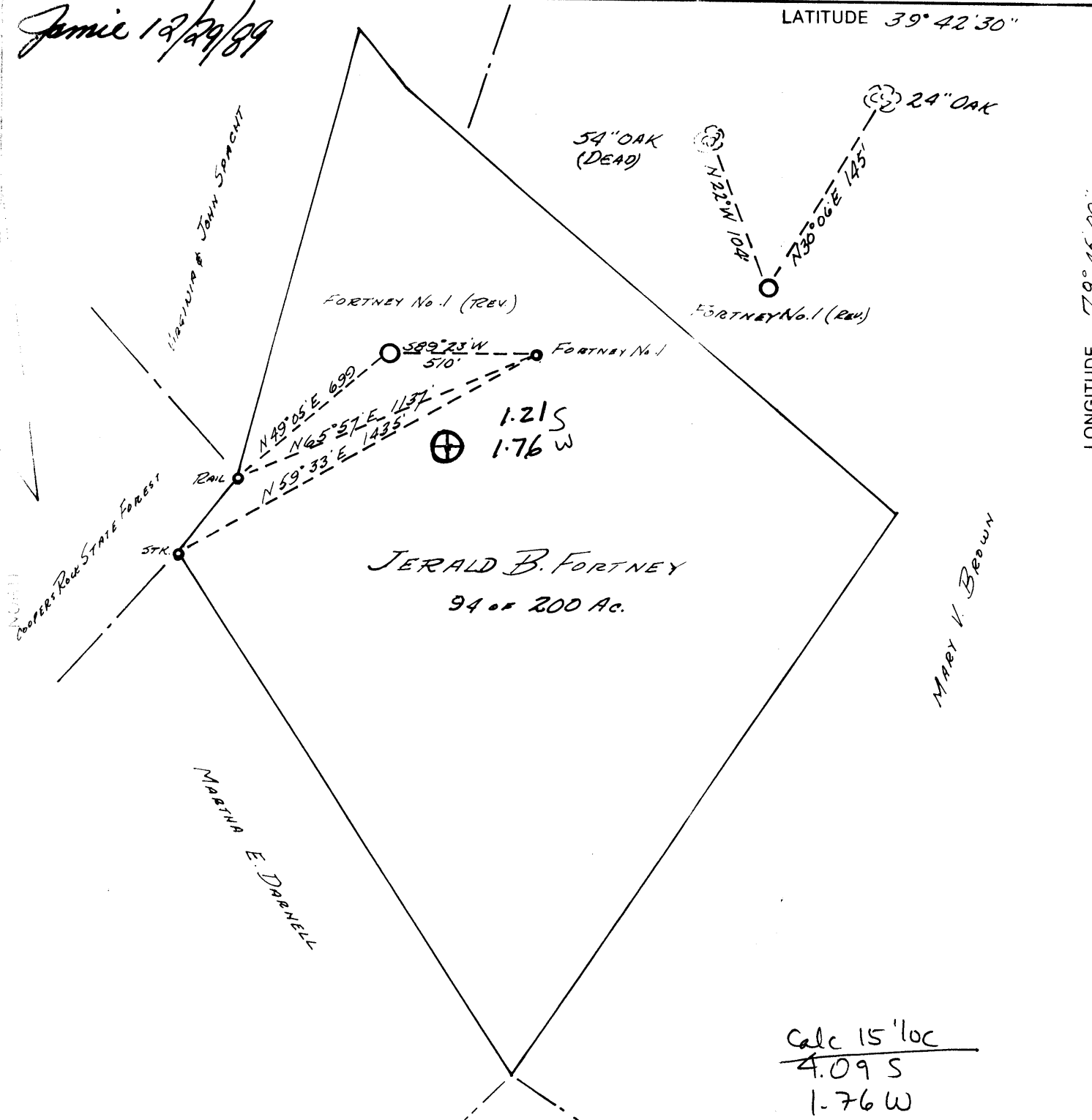
COUNTY NAME

PERMIT

9,310'

LATITUDE 39° 42' 30"

Jamie 12/29/89



JERALD B. FORTNEY
94 of 200 Ac.

Calc 15' loc
4.09 S
1.76 W

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 Part in 200
 PROVEN SOURCE OF ELEVATION Taken From Lake Lynn Topographic Map

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) Jamie S. Tilton
 R.P.E. 2886 L.L.S. _____

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE December 18, 1989
 OPERATOR'S WELL NO. FORTNEY No. 1 (REV.)
 API WELL NO.

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 2091 WATER SHED DARNELL Hollow to Morgan Run
 DISTRICT UNION 7 COUNTY MONONGALIA
 QUADRANGLE LAKE LYNN Morgantown NE

SURFACE OWNER JERALD B. FORTNEY ACREAGE 94 of 200
 OIL & GAS ROYALTY OWNER JERALD B. FORTNEY LEASE ACREAGE SAME

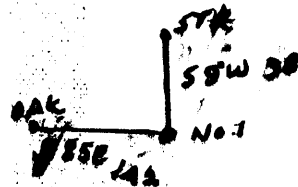
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 8000'
 WELL OPERATOR R.E. Fox & Associates DESIGNATED AGENT Peter Battles
 ADDRESS 370 LEONARD AVE. WASHINGTON, PA 15301 ADDRESS Rt. 3, Box 252-B, BRIDGEPORT WV 26330
4106

JAN 05 1990

LONGITUDE 79° 45' 00"

8000' LATITUDE 39° 42' 30"



WAGNER & JOHN SHERIDAN

COALBROOK STATE FOREST

STAKE

RAIL

N 65° 57' E 1127
N 59° 37' E 1486

FORTNEY No. 1
NO WELLS WITHIN 3660'

JERALD B. FORTNEY

99 OF 200 AC.

MARY V. BROWN

MARTHA E. DORRANCE

NORTH

LONGITUDE 79° 45' 00"

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

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 PART IN 300
PROVEN SOURCE OF ELEVATION TAKEN FROM LAKE LYNN TOPOGRAPHIC MAP

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) James L. Tilton
R.P.E. 2886 L.L.S. _____

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE AUG. 12, 1989
OPERATOR'S WELL NO. FORTNEY No. 1
API WELL NO. _____

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION X STORAGE _____ DEEP X SHALLOW _____

LOCATION: ELEVATION 2114 WATER SHED DARNELL HOLLOW TO MORGAN RUN
DISTRICT UNION COUNTY MONONGALIA
QUADRANGLE LAKE LYNN

SURFACE OWNER JERALD B. FORTNEY ACREAGE 99 OF 200
OIL & GAS ROYALTY OWNER JERALD B. FORTNEY LEASE ACREAGE 99 OF 200

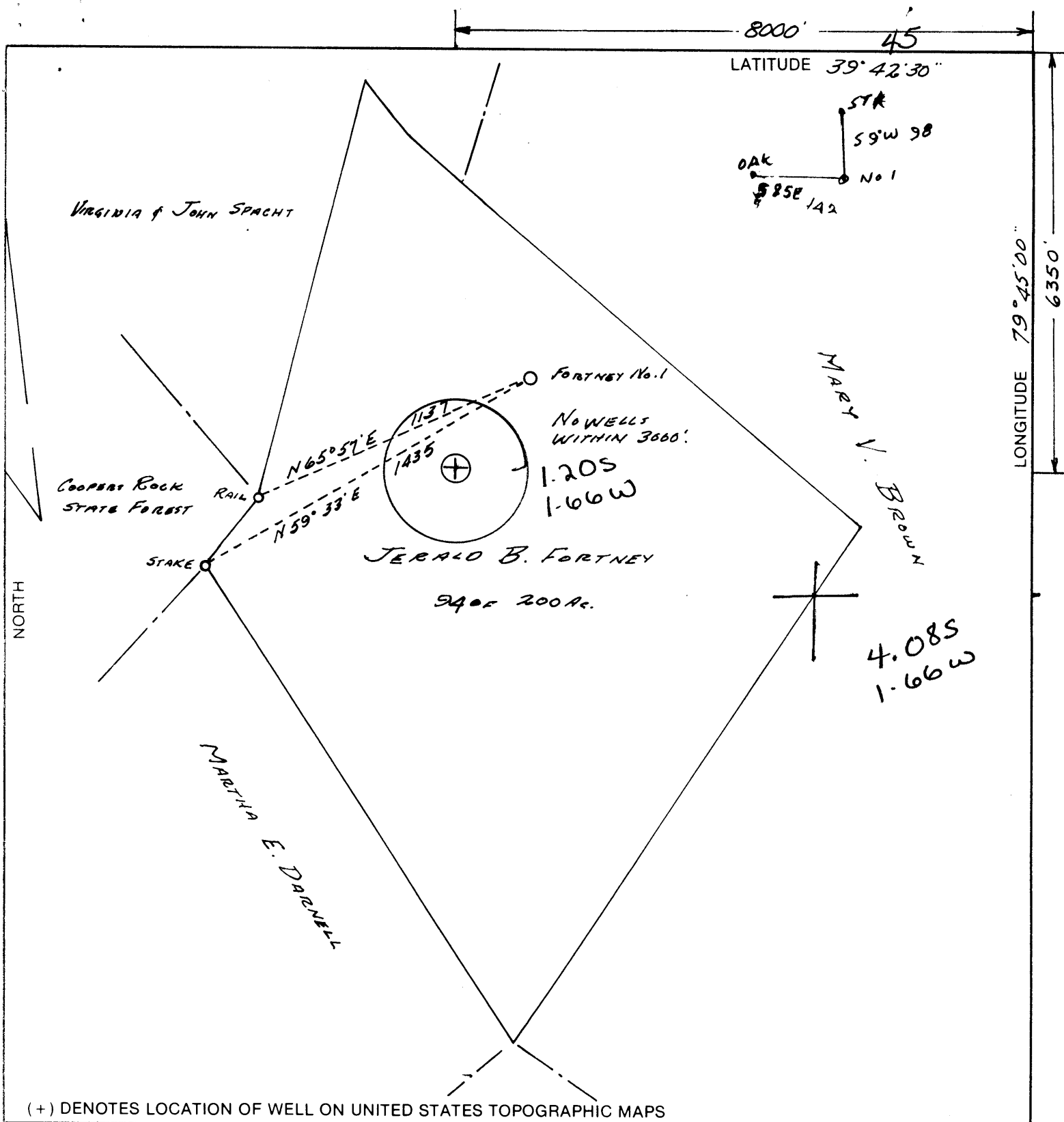
PROPOSED WORK: DRILL _____ X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
now: 061 1057

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION ORISKANY ESTIMATED DEPTH 8000

WELL OPERATOR R.E. Fox & Associates DESIGNATED AGENT PETER BATTLES
ADDRESS 370 LEONARD AVE. WASHINGTON PA 15301 ADDRESS B-3, Box 252-8 BRIDGEPORT, WV 26330

FORM WW-6 H.T. HALL 48673

COUNTY NAME MONONGALIA
PERMIT 0942



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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION TAKEN FROM
LAKE LYNN TOPOGRAPHIC MAP

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) James L. Tilton
 R.P.E. 2886 L.L.S. _____

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE AUG. 12, 1989
 OPERATOR'S WELL NO. FORTNEY No. 1
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 2114 WATER SHED DARNELL HOLLOW TO MORGAN RUN
 DISTRICT UNION 7 COUNTY MONONGALIA
 QUADRANGLE LAKE LYNN 425 086 3 Morgantown NE
 SURFACE OWNER JERALD B. FORTNEY ACREAGE 94 OF 200
 OIL & GAS ROYALTY OWNER JERALD B. FORTNEY LEASE ACREAGE 94 OF 200
 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 ORISKANY ESTIMATED DEPTH 8000

WELL OPERATOR R.E. Fox & Associates DESIGNATED AGENT PETER BATTLES
 ADDRESS 370 LEONARD AVE. WASHINGTON, PA 15301 ADDRESS R.3, Box 252-8 BRIDGEPORT, WV 26330
4106

SEP 8 1989

COUNTY NAME
 PERMIT

State of West Virginia
 Division of Environmental Protection
 Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: CRAWFORD, DIANA ETAL. Operator Well No.: FORTNEY #1-REV.

LOCATION: Elevation: 2091.00 Quadrangle: LAKE LYNN

District: UNION County: MONONGALIA
 Latitude: 6356 Feet South of 39 Deg. 42Min. 30 Sec.
 Longitude 9310 Feet West of 79 Deg. 45 Min. 0 Sec.

Company: FOX, R.E. AND ASSOCIATES
 370 LEONARD AVENUE
 WASHINGTON, PA 15301-0000

Agent: ROBIN L. STIVALETTA

Inspector: RANDAL MICK
 Permit Issued: 02/06/92
 Well work Commenced: 05/12/95
 Well work Completed: 05/27/95
 Verbal Plugging _____
 Permission granted on: _____
 Rotary x Cable _____ Rig _____
 Total Depth (feet) _____
 Fresh water depths (ft) _____
 165' 345'
 Salt water depths (ft) _____
 none
 Is coal being mined in area (Y/N)? N
 Coal Depths (ft): N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	393.54'	393.54'	236 cuft
8 5/8"	1325.50'	1325.52'	400 cuft
4 1/2"	8029.70'	8029.70'	260 cuft

OPEN FLOW DATA

Producing formation Oriskany Pay zone depth (ft) 7764
 Gas: Initial open flow - _____ MCF/d Oil: Initial open flow - _____ Bbl/d
 Final open flow 2.11 MCF/d Final open flow - _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure 3150 psig (surface pressure) after 72 Hours

Second producing formation Chert Pay zone depth (ft) 7639
 Gas: Initial open flow - _____ MCF/d Oil: Initial open flow - _____ Bbl/d
 Final open flow 3.72 MCF/d Final open flow - _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure 2775 psig (surface pressure) after 72 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: FOX, R.E. AND ASSOCIATES

By: R E Fox
 Date: R. E. Fox, President 10/23/95

FORMATION DESCRIPTION

061 1057

Formation	Depth of tops	Remarks	Shows
Clay	0'		
Sand	10'		
Red Rock	95'		
Sandy Shale	120'		H ₂ O @ 108'
Shale	320'	Brown	
Sandy Shale	326'	Gray	
Shaley Sand	402'	Dk. Gray	H ₂ O @ 345'
Sandy Shale	570'	Lt. Gray	
Sand	850'	Gray - Hard	
Sandy Shale	890'	Gray	
Sand	1212'	Red	
Sandy Shale	1306'	Red	
Sand	1340'	Red	
Sandy Shale	1430'	Gray	
Sand	1750'	Gray	
Sandy Shale	1820'	Gray	
Sand	2848'	Gray	
Sandy Shale	2879'	Gray	
Sand	2927'	Gray	
Sandy Shale	2998'	Gray	
Shale	4016'	Gray	
Limey Shale	6637'		
Shale	6685'		
Tully Limestone	7142'	Lt. Gray	
Marcellus Shale	7450'	Black	
Onondaga Limestone	7588'	Dk. Gray	
Huntersville Chert	7606'	Lt. Gray	

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

- 1) Well Operator: 4106 R. E. FOX & ASSOCIATES, INC. 18055 (7) 425
- 2) Operator's Well Number: Fortney #1 3) Elevation: 2,114
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Oriskany 495
- 6) Proposed Total Depth: 8,000 feet
- 7) Approximate fresh water strata depths: 300 ft.
- 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 & Stimulate New Well

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	16"	H-40	65 lbs.	40'	40'	sanded in
Fresh Water	11-3/4"	H-40	42 lbs.	400'	400'	To surface 95 cu. ft.
Coal						
Intermediate	8-5/8"	J-55	23 lbs.	1600'	1600'	To surface 342 cu. ft.
Production	4-1/2"	M-75	11.6 lbs.	7950'	7950'	1500' 342 cu. ft.
Tubing	2-1/3"	J-55	4.7 lbs.	7900'	7900'	None
Liners						

RECEIVED
AUG 23 1989

PACKERS : Kind _____
Sizes _____
Depths set _____

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

1160
21 Fee(s) paid: Well Work Permit Reclamation Fund WPCP

RECEIVED
AUG 23 1989

- 1) Date: 08-23-89
- 2) Operator's well number
Fortney #1
- 3) API Well No: 47 - 061 - 0942
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

- 4) Surface Owner(s) to be served:
 - (a) Name Diana Crawford
Address 2205 Bauer Road
Batavia, Ohio 45103
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 6) Inspector Donald Ellis
Address 2604 Crabapple Lane
Fairmont, WV 26554
Telephone (304)-534-5596

- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
Name Diana Crawford
Address 2205 Bauer Road
Batavia, Ohio 45103
 - Name _____
Address _____
 - (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
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 4 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 R. E. FOX & ASSOCIATES, INC.
By: [Signature]
Its: President
Address 370 Leonard Avenue*
Washington, Pennsylvania 15301
Telephone 412-222-7620

Subscribed and sworn before me this 23rd day of August, 1989

Elizabeth G. Arezzo
My commission expires March 1, 1993

Notarial Seal
Elizabeth G. Arezzo, Notary Public
South Strabane Twp., Washington County
My Commission Expires March 1, 1993

47-061-0453
Issued 12/26/89 51057
Expires 12/26/91 Page of

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

- 1) Well Operator: 4106 R. E. FOX & ASSOCIATES, INC. 18055 (7) 425
- 2) Operator's Well Number: Fortney #1 Revised 3) Elevation: 2091
- 4) Well type: (a) Oil / or Gas X/
- (b) If Gas: Production X/ Underground Storage /
Deep X/ Shallow /
- 5) Proposed Target Formation(s): Oriskany
- 6) Proposed Total Depth: 8,000 feet
- 7) Approximate fresh water strata depths: 300 ft.
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: None
- 10) Does land contain coal seams tributary to active mine? Yes / No X/
- 11) Proposed Well Work: Drill & Stimulate New Well
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	16"	H-40	65 lbs.	40'	40'	sanded in
Fresh Water	11-3/4"	H-40	42 lbs.	400'	400'	To surface 95 cu. ft.
Coal						
Intermediate	8-5/8"	J-55	23 lbs.	1600'	1600'	To surface 342 cu. ft.
Production	4-1/2"	M-75	11.6 lbs.	7950'	7950'	1500' 342 cu. ft.
Tubing	2-1/3"	J-55	4.7 lbs.	7900'	7900'	None
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

RECEIVED
DEC 20 1989

For Division of Oil and Gas Use Only DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1512
31

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

Plat WW-9 WW-2B Bond Single Letter Agent

(Type)

Page 1 of
Form WW2-A
(09/87)
File Copy

RECEIVED
DEC 20 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: 12-05-89
2) Operator's well number
Fortney #1 Revised
3) API Well No: 47 - 061 - 0953
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 Diana Crawford
Address 2205 Bauer Road
Batavia, Ohio 45103
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Donald Ellis
Address 2604 Crabapple Lane
Fairmont, WV 26554
Telephone (304)-534-5596

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name Diana Crawford
Address 2205 Bauer Road
Batavia, Ohio 45103
Name _____
Address _____
(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
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.

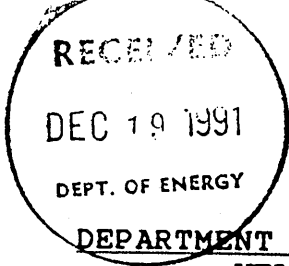
I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator R. E. FOX & ASSOCIATES, INC.
By: R. E. Fox
Its: President
Address 370 Leonard Avenue
Washington, Pennsylvania 15301
Telephone 412-222-7620

Subscribed and sworn before me this 19th day of December, 19 89

Elizabeth G. Arazzo
My commission expires March 1, 1993

Notarial Seal
Elizabeth G. Arazzo, Notary Public
South Strabane Twp., Washington County
My Commission Expires March 1, 1993
Member, Pennsylvania Association of Notaries



FORM WW-2B

0611-1057 061 942
061 953
Dressed 2/6/92

Page 3 of 4

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

- 1) Well Operator: R. E. FOX & ASSOCIATES, INC. ⁴¹⁰⁶ 18055 (7) 425
- 2) Operator's Well Number: Fortney #1 Revised _____ 3) Elevation: 2091'
- 4) Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production X / Underground Storage ___ /
Deep X / Shallow ___ /
- 5) Proposed Target Formation(s): Oriskany ⁴⁰⁵
- 6) Proposed Total Depth: 8,000 feet
- 7) Approximate fresh water strata depths: 275 ft.
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: None
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No X /
- 11) Proposed Well Work: Drill and stimulate new well.
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	16"	H-40	65#	30'	30'	Sanded In
Fresh Water	11-3/4"	H-40	42#	If Needed 300'	* 300'	To Surface 150 cu. ft.
Coal						3805R18-11.3 3805R18-11.212
Intermediate	8-5/8"	ERW	23#	1300'	1300'	To Surface 350 cu. ft.
Production	4-1/2"	M-75	11.6#	7750'	7750' ←	1500' 391 cu. ft.
Tubing	2-3/8"	J-55	4.7#		7550'	3805R18-11.1 None
Liners						

If fresh water not encountered at 275', 11-3/4" will not be run & 1300' of 8-5/8" will be run.
PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

Fee(s) paid: 17 Well Work Permit 17 Reclamation Fund 17 WPCP
17 Plat 17 WW-9 17 WW-2B 17 Bond 17 17 Agent

Page 1 of 4
Form WW2-A
(09/87)
File Copy

1) Date: November 27, 1991
2) Operator's well number
Fortney #1 (Revised)
3) API Well No: 47 - 061 - 1057
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 Diana Crawford
Address 280 Old Boston Road
Batavia, Ohio 45103
(b) Name Patricia Gaskill
Address 280 Old Boston Road
Batavia, Ohio 45103
(c) Name John Fortney
Address 280 Old Boston Road
Batavia, Ohio 45103

5) (a) Coal Operator:
Name _____
Address _____

(b) Coal Owner(s) with Declaration
Name Diana Crawford, Patricia Gaskill, &
Address John Fortney, 280 Old Boston Road,
Batavia, Ohio 45103

Name _____
Address _____

6) Inspector Donald Ellis
Address 2604 Crabapple Lane
Fairmont, WV 26554
Telephone (304)- 367-1832

(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
_____ 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 4 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 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 R. E. Fox & Associates, Inc.
By: _____
Its: President
Address 370 Leonard Avenue
Washington, PA 15301
Telephone (412) 222-7620

Subscribed and sworn before me this 27th day of November, 19 91

Cathy A. Kirsch
My commission expires _____

Notarial Seal
Cathy A. Kirsch, Notary Public
Upper St. Clair Twp., Allegheny County
My Commission Expires May 21, 1994

Notary Public