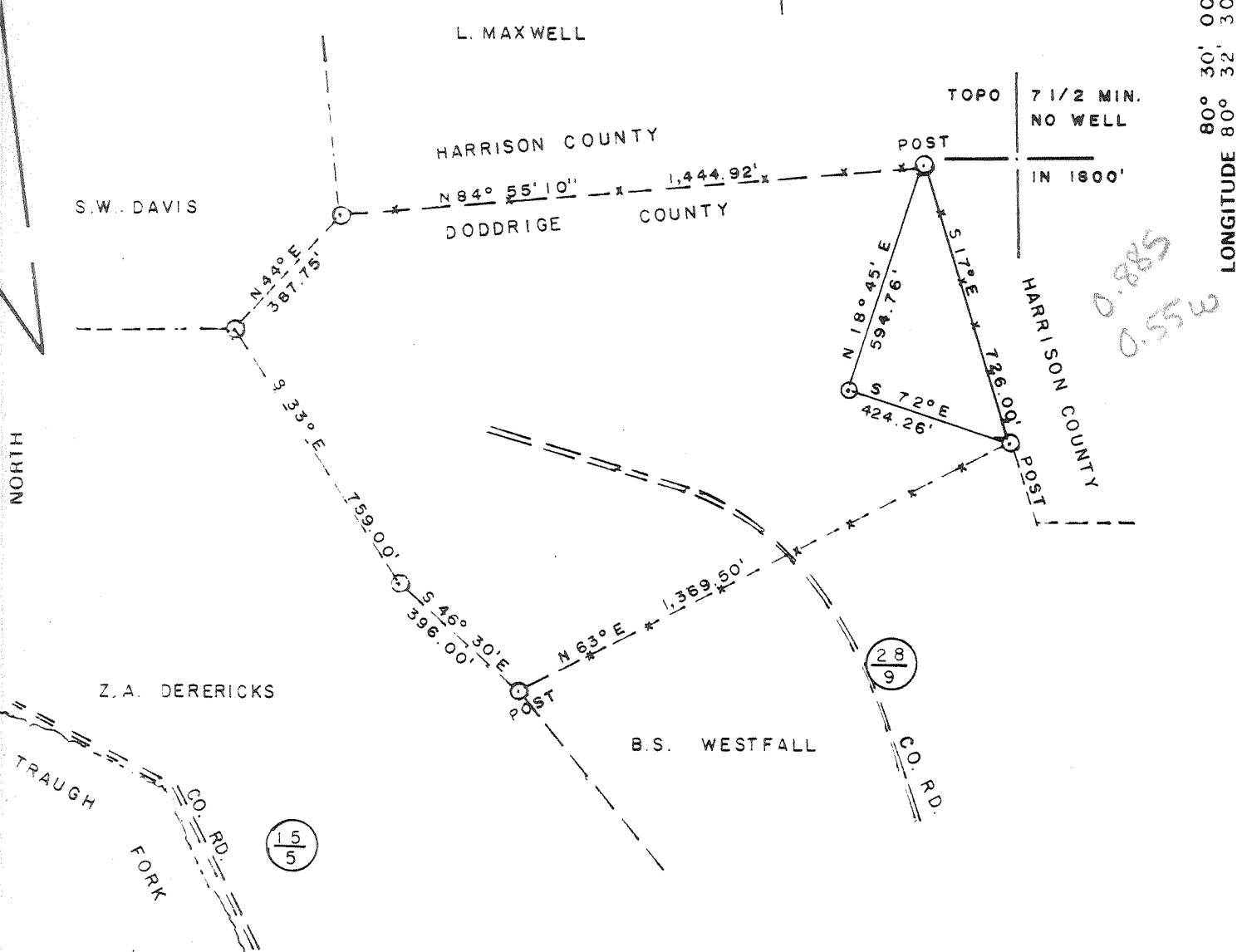


TOPO 15 MIN.

TOPO 7 1/2 MIN.
NO WELL
IN 1800'

LONGITUDE 80° 30' 00"
80° 32' 30"

4,650'



0.885
0.55W

FILE NO. 81-871-L
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1/2500
 PROVEN SOURCE OF ELEVATION EL: 1136.0 AT CO. RD. (28/9) AND CO. RD. (15/5) 2800' S. OF WELL SITE

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 MINES.
 (SIGNED) John Robert Jones
 R.P.E. 5566 L.L.S. _____

PLACE SEAL HERE

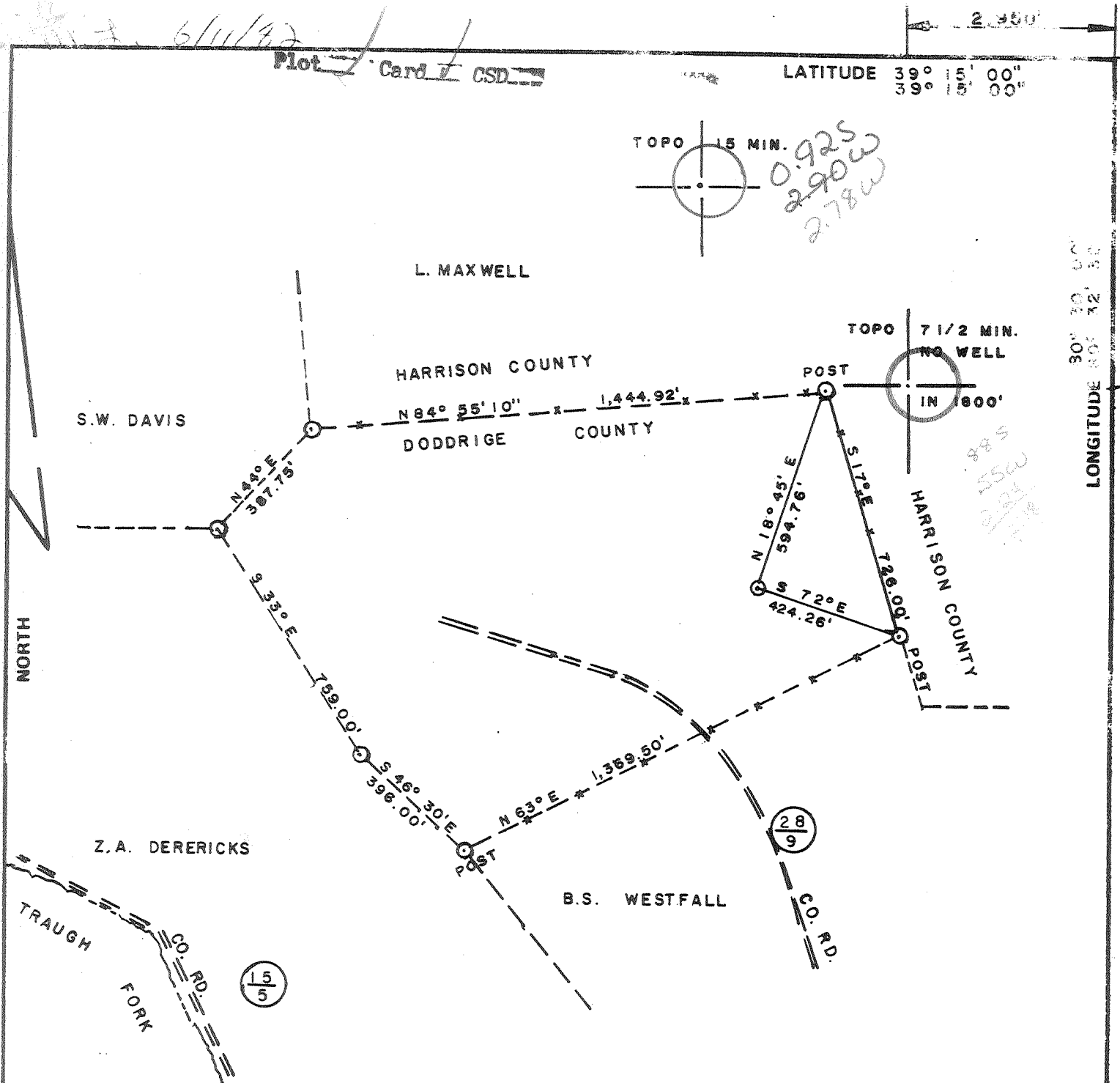
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (878)
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1320 WATER SHED BUCKEYE CREEK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAAC
 SURFACE OWNER CHARLES DEWAYNE DAVIS ACREAGE 35
 OIL & GAS ROYALTY OWNER JOHN E. ROCHE JR. LEASE ACREAGE 35
 LEASE NO. M-723
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE MAY 26, 1982
 OPERATOR'S WELL NO. J-560
 API WELL NO. 47-017-3108
 STATE COUNTY PERMIT
Formerly: DOD-3080
CANCELLED

JAN 31 1983

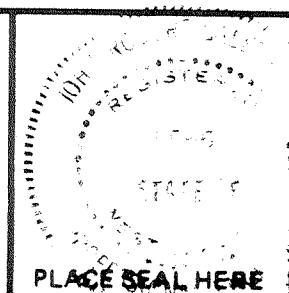
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 FORMATION Alexander ESTIMATED DEPTH 5600
 OPERATOR J & J ENTERPRISES INC. DESIGNATED AGENT HARRY L. BARNETT
 P.O. BOX 48 ADDRESS P.O. BOX 48
BUCKHANNON W. VA. 26201 BUCKHANNON W. VA. 26201



FILE NO. 81-871-L
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1/2500
 PROVEN SOURCE OF ELEVATION EL. 1136.0 AT CO. RD. (28/9) AND CO. RD. (15/5) 2800' S. OF WELL SITE

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 MINES.

(SIGNED) John Robert Gales
 R.P.E. 5566 L.L.S. _____



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)



DATE MAY 26, 1982
 OPERATOR'S WELL NO. J-560
 API WELL NO. 47-017-3108
 STATE COUNTY PERMIT
 Formerly: DOD-3080

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

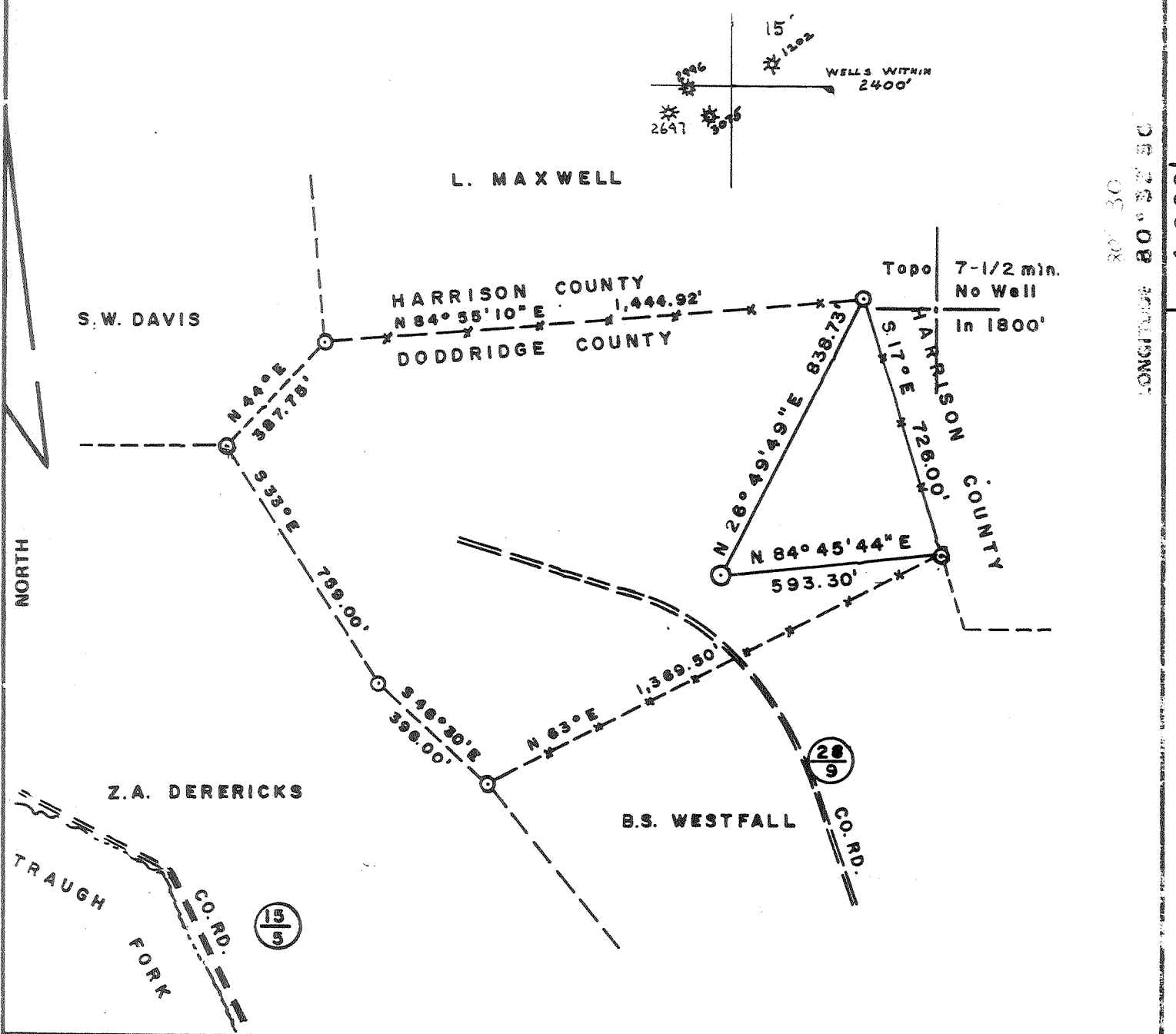
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1320 WATER SHED BUCKEYE CREEK
 DISTRICT GREENBRIER COUNTY DODDRIGE
 QUADRANGLE BIG ISAAC Vades 15' 10E
 SURFACE OWNER CHARLES DEWAYNE DAVIS ACREAGE 35
 OIL & GAS ROYALTY OWNER JOHN E. ROCHE JR. LEASE ACREAGE 35
 LEASE NO. M-723
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X 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 5600
 WELL OPERATOR J & J ENTERPRISES INC. DESIGNATED AGENT HARRY L. BARNETT
 ADDRESS P.O. BOX 48 ADDRESS P.O. BOX 48
BUCKHANNON W. VA. 26201 BUCKHANNON W. VA. 26201

JUL 06 1982

177-2 3-10-82

3,080'

LATITUDE 39°15'00"



LONGITUDE 80°32'50" 4,900'

FILE NO. 81-871-L
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1/2500
 PROVEN SOURCE OF ELEVATION EL. 1136.0 AT CO. RD. (28/9) AND CO. RD. (13/5) 2800' S. OF WELL SITE

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 MINES.
 (SIGNED) John Robert Galen
 R.P.E. 5566 L.L.S. _____

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE FEB. 10, 1982
 OPERATOR'S WELL NO. J-560
 API WELL NO. 47-017-3080
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE X DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1230.0 WATER SHED BUCKEYE CREEK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAAC
 SURFACE OWNER CHARLES DEWAYNE DAVIS ACREAGE 35
 OIL & GAS ROYALTY OWNER JOHN E. ROCHE JR. LEASE ACREAGE 35
 LEASE NO. M-723
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

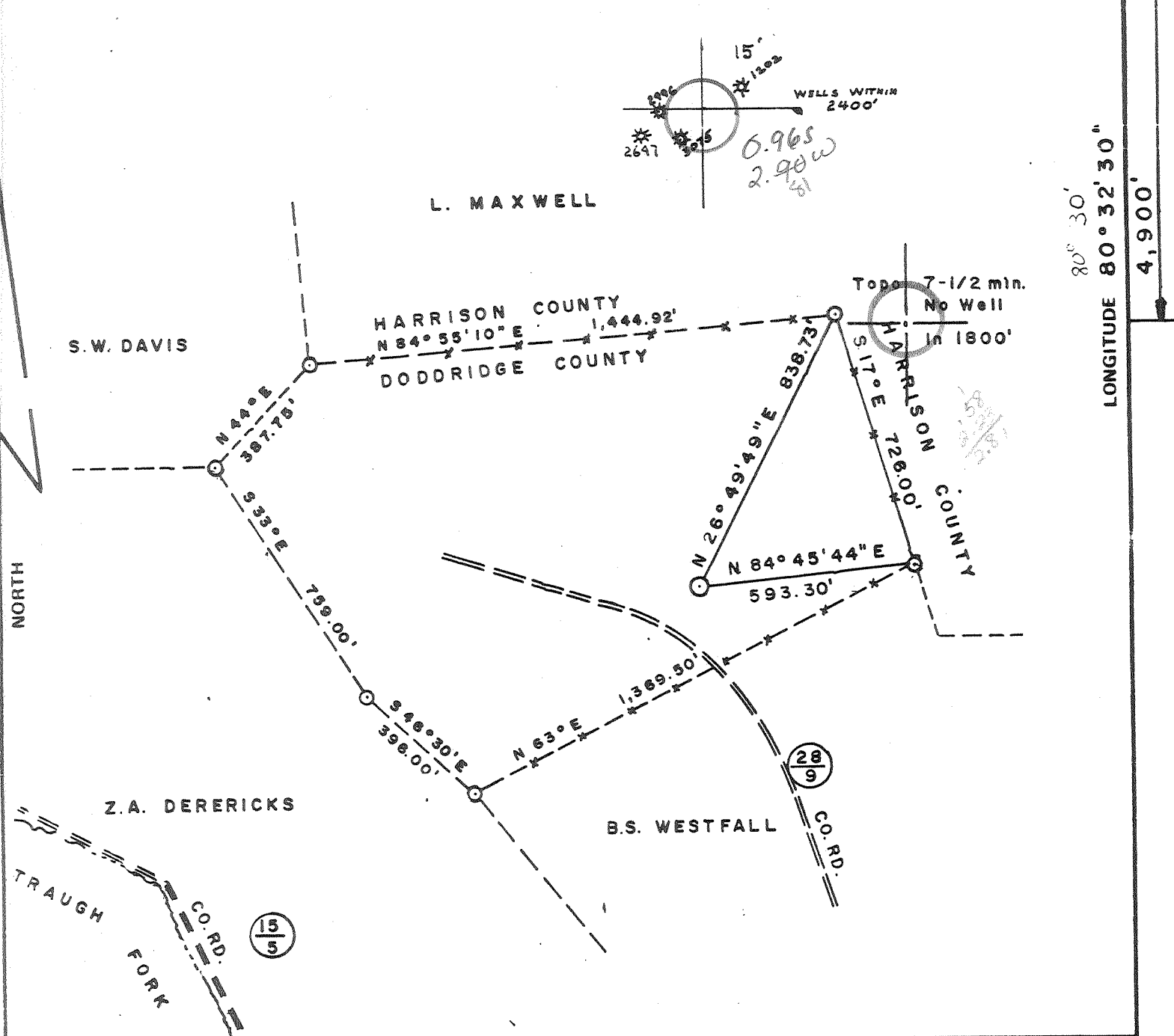
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Alexander ESTIMATED DEPTH 5600
 WELL OPERATOR J&J ENTERPRISES INC. DESIGNATED AGENT Harry L. Barnett
 ADDRESS P.O. BOX 48 ADDRESS P.O. Box 48
BUCKHANNON W. VA. 26201 Buckhannon, WV 26201

177 3-10-82 Card CSD

3,050'

LATITUDE 39° 15' 00"

NORTH



LONGITUDE 80° 32' 30"
4,900'

FILE NO. 81-871-L
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1/2500
 PROVEN SOURCE OF ELEVATION EL. 1136.0 AT CO. RD. (28/9) AND CO. RD. (15/5) 2800' S. OF WELL SITE

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 MINES.
 (SIGNED) _____
 R.P.E. 5566 L.L.S. _____

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE FEB. 10, 1982
 OPERATOR'S WELL NO. J-560
 API WELL NO. _____
47 - 017 - 3080
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1230.0 WATER SHED BUCKEYE CREEK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAAC 15' NE
 SURFACE OWNER CHARLES DEWAYNE DAVIS ACREAGE 35
 OIL & GAS ROYALTY OWNER JOHN E. ROCHE JR. LEASE ACREAGE 35
 LEASE NO. M-723
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X 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 5600
 WELL OPERATOR J&J ENTERPRISES INC. DESIGNATED AGENT Harry L. Barnett
 ADDRESS P.O. BOX 48 ADDRESS P.O. Box 48
BUCKHANNON W. VA. 26201 Buckhannon, WV 26201

MAR 29 1982

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J -560

API Well No. 47 - 017 3080
State County Permit

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow /)

LOCATION: Elevation: 1230 Watershed: Buckeye Creek
District: Greenbrier County: Doddridge Quadrangle: Big Isaac

WELL OPERATOR J & J Enterprises, Inc.
Address P.O. Box 48
Buckhannon, WV 26201

DESIGNATED AGENT Harry L. Barnett
Address P.O. Box 48
Buckhannon, WV 26201

OIL & GAS
ROYALTY OWNER John E. Roche, Jr.
Address P.O. Box 1406
Edmond, Oklahoma 73034

COAL OPERATOR _____
Address _____

ACREAGE 16
SURFACE OWNER Charles Dewayne Davis
Address Rt. # 1, Box 25
Salem, WV 26426
ACREAGE 16

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Va. Tetrick Heirs C/O Willis G. Tetrick
Address Box 267
Clarksburg, WV 26301

WELL SALE (IF MADE) TO:
Name Unknown
Address _____

Name _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Stephen Casey
Address Rt. # 2, Box 232-D
Jane LEW, WV 26378

COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

RECEIVED

FEB 19 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated 8/22, 1980, to the undersigned well operator from Clarence W. Mutschelknaus [if said deed, lease, or other contract has been recorded;]

Recorded on 3/25, 1981, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Oil & Gas Lease Book 118 at page 87. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any action they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
100 WASHINGTON STREET EAST
CHARLESTON, WV 25311

PHONE: (304) 348-3092

J & J Enterprises, Inc.
Well Operator

By Peter Battles
Its Geologist

BLANKET BOND

[08-78]

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) S.W. Jack Drilling Company

Address P.O. Box 48

Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5600 feet Rotary / Cable tools /

Approximate water strata depths: Fresh, 60 feet; salt, None feet.

Approximate coal seam depths: 420,630 Is coal being mined in the area? Yes / No

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	11 3/4	H-40	42	x		30	0	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		1800	1800	To surf.	
Coal	8 5/8	ERW	23	x		1800	1800	To surf.	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		5550	5550	380 sks.	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE 11-10-82

IF OPERATIONS HAVE NOT COMMENCED BY _____

BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19____

By _____
Its _____

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J -560

API Well No. 47 - 017 - 3080 State County Permit

REVISED

WELL TYPE: Oil / Gas x /

(If "Gas", Production x / Underground storage / Deep / Shallow x /)

ELEVATION: 1320 WATERSHED: Buckeye Creek

DISTRICT: Greenbrier COUNTY: Doddridge QUADRANGLE: Big Isaac

WELL OPERATOR J & J Enterprises, Inc. Address P.O. Box 48 Buckhannon, WV 26201

DESIGNATED AGENT Harry L. Barnett Address P.O. Box 48 Buckhannon, WV 26201

OIL & GAS PROPERTY OWNER John E. Roche, Jr. Address P.O. Box 1406 Edmond, Oklahoma 73034 Acreage 16

COAL OPERATOR Address:

FACE OWNER Charles Dewayne Davis Address Rt. # 1, Box 25 Salem, WV 26426 Acreage 16

COAL OWNER(S) WITH DECLARATION ON RECORD: Name Va. Tetrick Heirs C/O Willis G. Tetrick Address Box 267 Clarksburg, WV 26301

OLD SALE (IF MADE) TO: Unknown Address:

Name Address

OIL & GAS INSPECTOR TO BE NOTIFIED Stephen Casey Address Rt. # 2, BOX 232-D Jane LEW, WV 26378

COAL LESSEE WITH DECLARATION ON RECORD: Name Address

RECEIVED

JUN 8 1982

OIL AND GAS DIVISION WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract x / dated 8/22, 1980, to the undersigned well operator from Clarence W. Mutschelknaus said deed, lease, or other contract has been recorded:]

dated on 3/25, 1981, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Oil & Gas Lease No. 118 at page 87. A permit is requested as follows:

PROPOSED WORK: Drill x / Drill deeper / Redrill / Fracture or stimulate x / Plug off old formation / Perforate new formation / Other physical change in well (specify)

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any action they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO: VIRGINIA OIL AND GAS CONSERVATION COMMISSION WASHINGTON STREET EAST, CHARLESTON, WV 25311 PHONE: (304) 348-3092

J & J Enterprises, Inc. Well Operator By Peter Battles Geologist

BLANKET BOND

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) S.W. Jack Drilling Company
Address P.O. Box 48
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5600 feet Rotary x / Cable tools /

Approximate water strata depths: Fresh, 60 feet; salt, None feet.

Approximate coal seam depths: 420,630 Is coal being mined in the area? Yes / No x

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	11 3/4	H-40	42	x		30	0	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		1800	1800	To surf.	
Coal	8 5/8	ERW	23	x		1800	1800	To surf.	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		5550	5550	380 sks.	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or drilling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR Drilling. THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 2-23-83

BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19

[Signature]

By
Its

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

(Formerly: DOD-3080)

Operator's Well No. J-560 API Well No. 47-017-3108 State County Permit (Corrected Permit)

TYPE: Oil / Gas x / (If "Gas", Production x / Underground storage / Deep / Shallow x /) Elevation: 1320 Watershed: Buckeye Creek District: Greenbrier County: Doddridge Quadrangle: Big Isaac

OPERATOR J & J Enterprises, Inc. Address P.O. Box 48 Buckhannon, WV 26201

DESIGNATED AGENT Harry L. Barnett Address P.O. Box 48 Buckhannon, WV 26201

& GAS PROPERTY OWNER John E. Roche, Jr. Address P.O. Box 1406 Edmond, Oklahoma 73034

COAL OPERATOR Address:

ACREAGE 16 LEASE OWNER Charles Dewayne Davis Address Rt. # 1, Box 25 Salem, WV 26426

COAL OWNER(S) WITH DECLARATION ON RECORD: Name Va. Tetric Heirs C/O Willis G. Tetric Address Box 267 Clarksburg, WV 26301

DEED SALE (IF MADE) TO: Unknown Address:

Name Address

GAS INSPECTOR TO BE NOTIFIED Stephen Casey Address Rt. # 2, BOX 232-D Jane LEW, WV 26378

COAL LESSEE WITH DECLARATION ON RECORD: Name Address JUN - 8 1982

OIL AND GAS DIVISION WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract x / dated 8/22, 1980, to the undersigned well operator from Clarence W. Mutschelknaus [said deed, lease, or other contract has been recorded:]

dated on 3/25, 1981, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Oil & Gas Lease Book 118 at page 87. A permit is requested as follows: PROPOSED WORK: Drill x / Drill deeper / Redrill / Fracture or stimulate x / Plug off old formation / Perforate new formation / Other physical change in well (specify)

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any action they wish to take or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

SUBMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION WASHINGTON STREET EAST CHARLESTON, WV 25311

PHONE: (304) 348-3092

J & J Enterprises, Inc. Well Operator

BLANKET BOND

By Peter Battles Its

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) S.W. Jack Drilling Company
Address P.O. Box 48
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5600 feet Rotary / Cable tools
Approximate water strata depths: Fresh, 60 feet; salt, 470 feet.
Approximate coal seam depths: 420,630 Is coal being mined in the area? Yes No

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	11 3/4	H-40	42	x		30	0	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		1800	1800	To surf.	
Coal	8 5/8	ERW	23	x		1800	1800	To surf.	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		5550	5550	380 sks.	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or drilling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR Drilling. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 2-23-83.

BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location, has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19

By
Its