

LEWIS MAXWELL

J.F. TRAINER & L.E. HILL

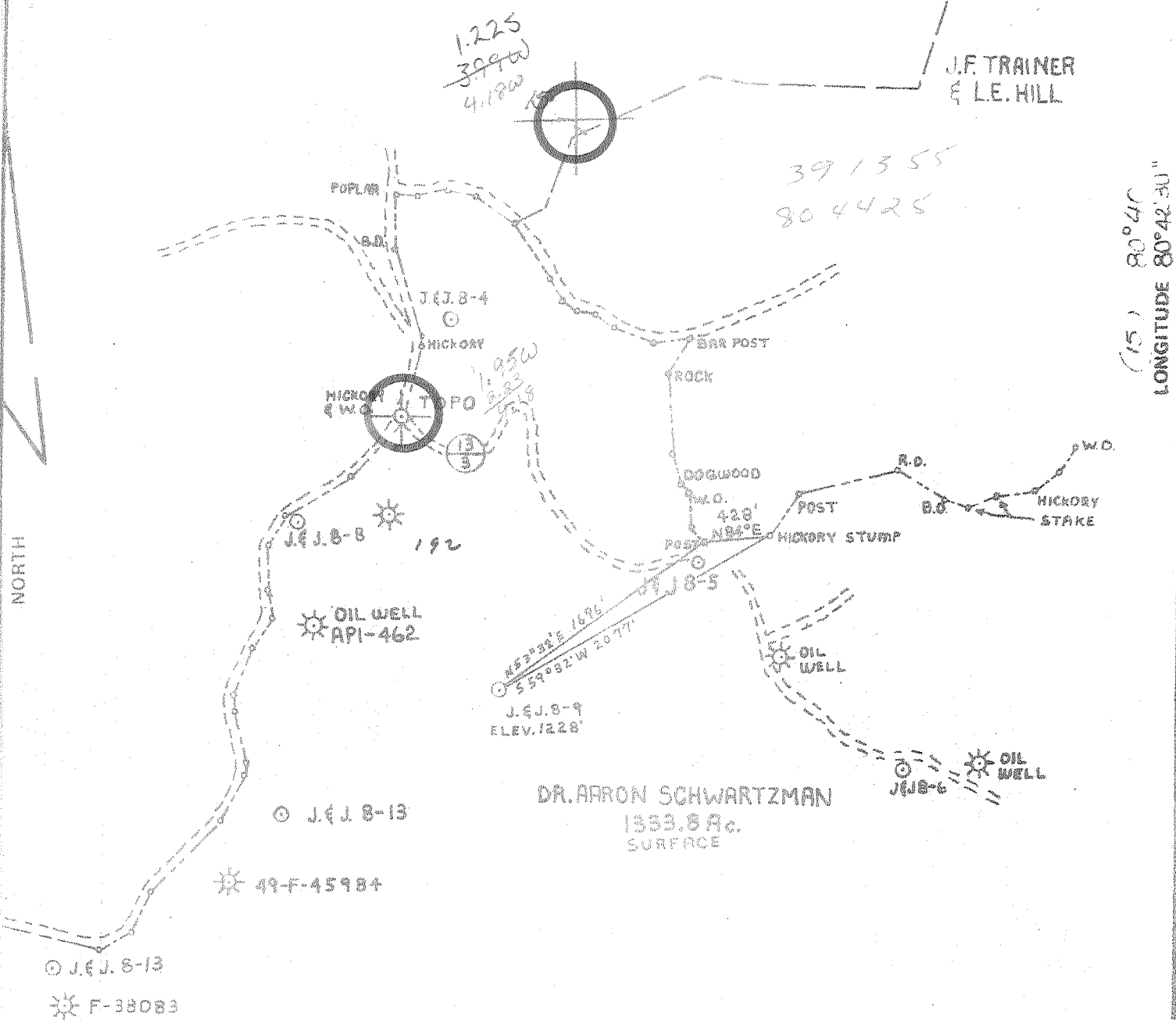
1.225
39900
4.1800

39 13 55
80 44 25

(15) 80°41'
LONGITUDE 80°42'30"

6.475'

NORTH



DR. ARRON SCHWARTZMAN
1333.8 Ac.
SURFACE

FILE NO. _____
 DRAWING NO. 1
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1" IN 200'
 PROVEN SOURCE OF ELEVATION B.M. 1800' NORTH OF INTER. OF RT. 13 & RT. 13 1/3
ELEV. 1269'

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) David L. Wheeler
 R.P.E. _____ L.L.S. 530

PLACE SEAL HERE

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



DATE MAY 15 19 80
 OPERATOR'S WELL NO. J-40
 API WELL NO. 47-017-2784
 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 1228 WATER SHED LICK RUN
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON T. VADIS 15 NW
 SURFACE OWNER DR. ARRON SCHWARTZMAN ACREAGE 1333.8
 OIL & GAS ROYALTY OWNER PORTER MAXWELL HEIRS LEASE ACREAGE 1333.8
 LEASE NO. J.F.J. 8
 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 5350'
 WELL OPERATOR J.F.J. ENTERPRISES, INC. DESIGNATED AGENT HARRY BARNETT
 ADDRESS P.O. BOX 48 ADDRESS P.O. BOX 48
BUCKHANNON W.V. 26201 BUCKHANNON W.V. 26201

6-6 Porto Rico (134)

JUL 28 1980

[08-78]

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

Operator's Well No. J-40
API Well No. 47 - 017 2784-R
State County Perm

TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas", Production / Underground storage / Deep / Shallow /)
Elevation: 1228 Watershed: Lick Run
District: New Milton County: Doddridge Quadrangle: New Milton 7.5'

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

DESIGNATED AGENT Roger Rolston
Address P.O. Box 48
Buckhannon, WV 26201

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

APR 14 1981

PERMIT ISSUED ON 6/30, 19 80

OIL & GAS INSPECTOR FOR THIS WORK:

(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED _____, 19 _____)

Name Stephen Casey
Address Rt. # 2, Box 232-D
Jane Lew, WV 26378

GEOLOGICAL TARGET FORMATION: Alexander Depth 5125-5230 feet
Depth of completed well, 5399 feet Rotary / Cable Tools
Water strata depth: Fresh, 390 feet; salt, 0 feet.
Coal seam depths: 390 Is coal being mined in the area? NO
Work was commenced 3/17, 19 81, and completed 3/23, 19 81

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		32	32	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		1219.10	1219.10	285 sks.	
Coal	8 5/8	ERW	23	x		1219.10	1219.10	285 sks.	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		5005.45	5005.45	800 sks.	Depths set
Tubing									
Liners									Perforations:
									Top Bottom
									4443 4898
									3303 3369

OPEN FLOW DATA

Producing formation Benson & Riley Pay zone depth 4443-4898 feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Combined Final open flow, 660 Mcf/d Final open flow, _____ Bbl/d
Time of open flow between initial and final tests, 4 hours
Static rock pressure, 1000 psig (surface measurement) after 96 hours shut in.
[If applicable due to multiple completion--]
Second producing formation Warren Pay zone depth 3303-3369 feet
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 measurement) after _____ hours shut in.

APR 28 1981

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

Benson & Riley: Perforations: 4443-4898 (24 holes)
Fracturing: 150 sks. 80/100 sand: 400 sks. 20/40 sand

Warren: Perforations: 3303-3369 (16 holes)
Fracturing: 150 sks. 80/100 sand: 300 sks. 20/40 sand: 500 gal. Acid.

Well 103

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, gas, etc.
Fill			0	15	
Shale & sand			15	60	Damp @ 250'
Red rock, sand & shale			60	95	
Sand & shale			95	168	½" stream @ 390'
Red rock & sand			168	215	
Sand, shale & red rock			215	370	Gas ck @ 2669' 10/10-½" w/water 5,953 cu.ft.
Sand & shale			370	480	
Sand, shale & red rock			480	710	
Sand & shale			710	720	Gas ck @ 3287 8/10-½" w/water 5,560 cu.ft.
Red rock, sand & shale			720	775	
Red rock, sand & shale			775	870	
Red rock, sand & shale			870	1710	Gas ck @ 4963 96/10-1½" w/water 115,292 cu.ft.
Lime & shale			1710	1740	
Sand & shale			1740	1885	
Big Lime			1885	1960	Gas ck @ 5274 76/10-1½" w/water 102,528 cu.ft.
Big Injun			1960	2025	
Red rock, sand & shale			2025	3303	
Warren			3303	3369	
Sand & shale			3369	4443	
Riley & Benson			4443	4898	
Sand & shale			4898	5125	
Alexander			5125	5230	
Sand & shale			5230	5399 TD	

(Attach separate sheets to complete as necessary.)

J & J Enterprises, Inc.

Well Operator _____
By Peter Battles
Peter Battles Geologist
Co. _____

NOTE: Regulation 2.2046 provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-40
API Well No. 47 017-2784-R
State County Perm
(old # 017-2784-renewal)

WELL TYPE: Oil ___ / Gas X /
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X /)
LOCATION: Elevation: 1228 Watershed: Lick Run
District: New Milton County: Doddridge Quadrangle: New Milton 7.5

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

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

OIL & GAS ROYALTY OWNER Porter Maxwell Heirs
Address Box 2190
Clarksburg, WV 26301

COAL OPERATOR None
Address:

ACREAGE 1333.8 Ac.
SURFACE OWNER Dr. Aaron Schartzman
Address 2007 Martin Luther King Dr.
Washington, DC 20070

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Aaron & Veatrice Schwartzman
Address 2007 Martin Luther King Drive.
Washington, DC 2007

FIELD SALE (IF MADE) TO:
Name unknown
Address:

Name
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address 321 Beech Street
Clarksburg, WV 26301

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address
RECEIVED
FEB 27 1981

OIL & GAS DIVISION
DEPT. 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 10-24, 19 79, to the undersigned well operator from Delmur Oil Company

[If said deed, lease, or other contract has been recorded:]
Recorded on 10-30, 19 79, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Oil & Gas Lease Book 112 at page 337. 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 objection 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 plot 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 on or 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 GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
615 WASHINGTON STREET EAST
CHARLESTON, WV 25311

BLANKET BOND

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

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 Co.

Address P.O. Box 48

Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5450 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 1000 feet; salt, 1500 feet.

Approximate coal seam depths: 350 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	30	0 sks	Kinds
Fresh water	8 5/8	ERW	23	X		1550	1550	390 sks	
Coal	8 5/8	ERW	23	X		1550	1550	390 sks	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	X		5450	5450	300 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 § 22-4-2a 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 in connection therewith.

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling renewed. This permit shall expire if operations have not commenced by: 11-3-81

[Signature]
Deputy Director - Oil & Gas Division

The following waiver must be completed by the well 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-40
API Well No. 47 017 2784
State County Perm

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow /)
LOCATION: Elevation: 1228 Watershed: Lick Run
District: New Milton County: Doddridge Quadrangle: New Milton 7.5

WELL OPERATOR J & J Enterprises, Inc. DESIGNATED AGENT H.L. Barnett
Address P.O. Box 48 Address P.O. Box 48
Buckhannon, WV 26201 Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER Porter Maxwell Heirs COAL OPERATOR None
Address Box 2190 Address _____
Clarksburg, WV 26301

ACREAGE 1333.8 COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER Dr. Aaron Schwartzman Name Aaron & Veatrice Schwartzman
Address 2007 Martin Luther King Ave. Address 2007 Nichols Ave., S.E.
Washington, D.C. 20070 Washington, D.C. 20020

ACREAGE 1333.8 Name _____
FIELD SALE (IF MADE) TO: Address _____
Name _____

Address _____ COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED:
Name Paul Garrett
Address 321 Beech Street
Clarksburg, WV 26301

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated 10-24, 1979, to the undersigned well operator from Delmur Oil Company

[If said deed, lease, or other contract has been recorded:]
Recorded on 10-30, 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Oil&Gas Lease Book 112 at page 337. 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 objection they wish to make or are required to make by Code 5 12-1-1 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 plot 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 on or 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
GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3057

RECEIVED
JUN 30 1980

J & J Enterprises, Inc.
Well Operator
By Daniel Stark
Daniel Stark
Geologist
BLANKET BOND
[Signature]

OIL & GAS DIVISION
DEPT. OF MINES

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, 5450 feet Rotary / Cable tools /

Approximate water strata depths: Fresh, 1000 feet; salt, 1500 feet.

Approximate coal seam depths: 350 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		Kinds	None
Conductor	1 13/4	H-40	42	x		30	30	0 sks		None
Fresh water	8 5/8	ERW	23	x		1550	1550	390 sks		
Coal	8 5/8	ERW	23	x		1550	1550	390 sks	Sizes	
Intermediate										
Production	4 1/2	J-55	10.5	x		5450	5450	300 sks	Deaths 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 is a part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 3-7-81.

Fred Swartz
Deputy Director - Oil & Gas Division

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 _____