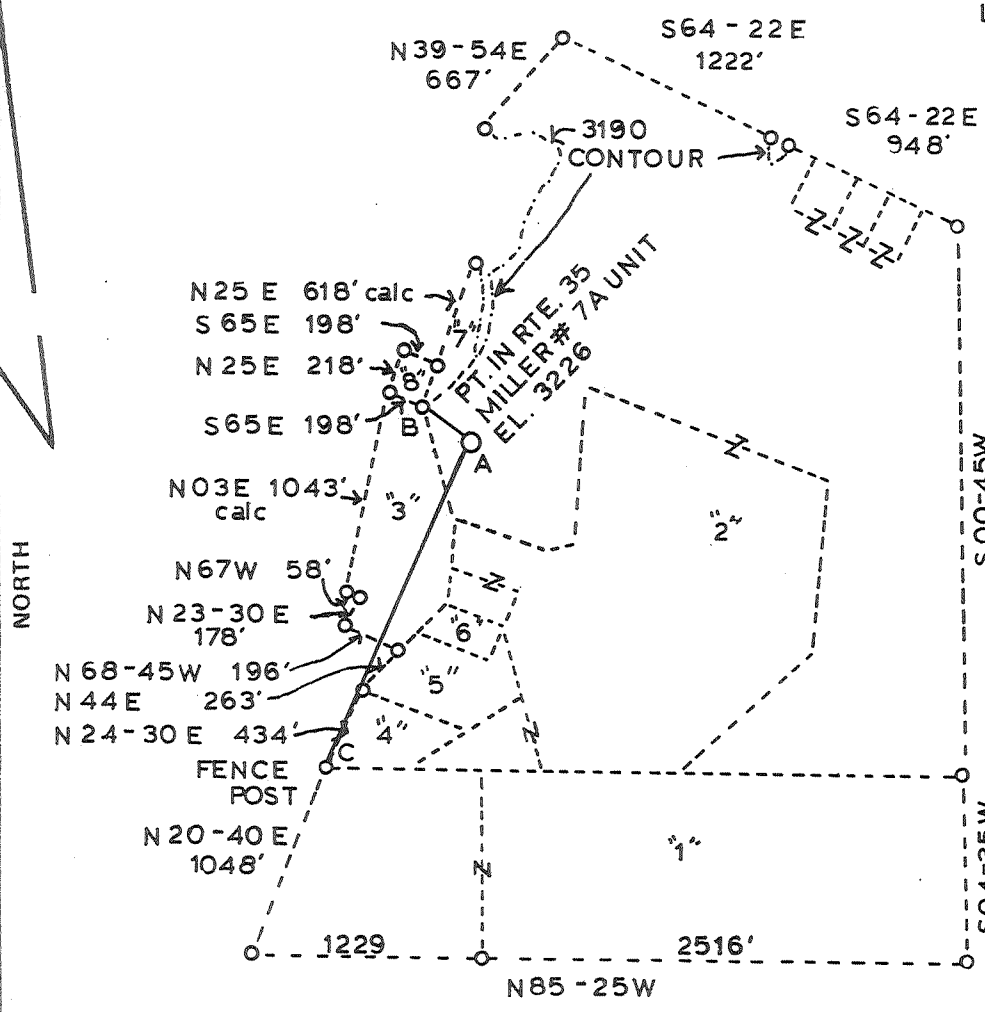


Jamie 6/22/90

5010' LATITUDE 39°-05'-00"

LONGITUDE 79°-25'-00"

LINE AB N45-48W 345'  
LINE AC S24-03W 1821'



MILLER # 7A UNIT  
7.5' QUAD LOCATION

"1"	HARPER	85 AC
"2"	MILLER	2033
"3"	ALLMAN	11.5
"4"	RAINES ENT	5.23
"5"	KOONTZ	5.19
"6"	HOGGE	1.98
"7"	LUTZ	1.72
"8"	WILLIAMS	1

TOTAL UNIT ACREAGE 314.92AC.

2/1/83  
REVISION TO PERMIT  
No. 0060 → MOVED 10  
FEET WEST

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 1000'  
MINIMUM DEGREE OF  
ACCURACY 1:200  
PROVEN SOURCE OF  
ELEVATION EL 3228 @ INT  
OF RTES 35 & 32/9 (CORTLAND RD)

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 MINES.  
(SIGNED) Burl J. Smith  
R.P.E. 6988 L.L.S. \_\_\_\_\_

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION



DATE FEBRUARY 1, 1983  
OPERATOR'S WELL NO. MILLER#7AUNIT  
API WELL NO. REVISED  
47-093-0060 P  
STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP X SHALLOW \_\_\_  
LOCATION: ELEVATION 3226 WATER SHED BLACKWATER RIVER  
DISTRICT DRY FORK COUNTY TUCKER  
QUADRANGLE BLACKWATER FALLS 7.5'

SURFACE OWNER GLEN MILLER ACREAGE 138.3  
OIL & GAS ROYALTY OWNER UNITIZED LEASE ACREAGE 314.92  
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 8700  
WELL OPERATOR BEREA OIL & GAS CORP DESIGNATED AGENT MARK SCHUMACHER  
ADDRESS 901 CHEMICAL BANK BLDG. 69 DELAWARE AV. ADDRESS PO BOX 299 BRIDGEPORT, W. V. 26330  
BUFFALO NY 14202

JUN 29 1990

FORM IV-6 (8-78) H. T. HALL

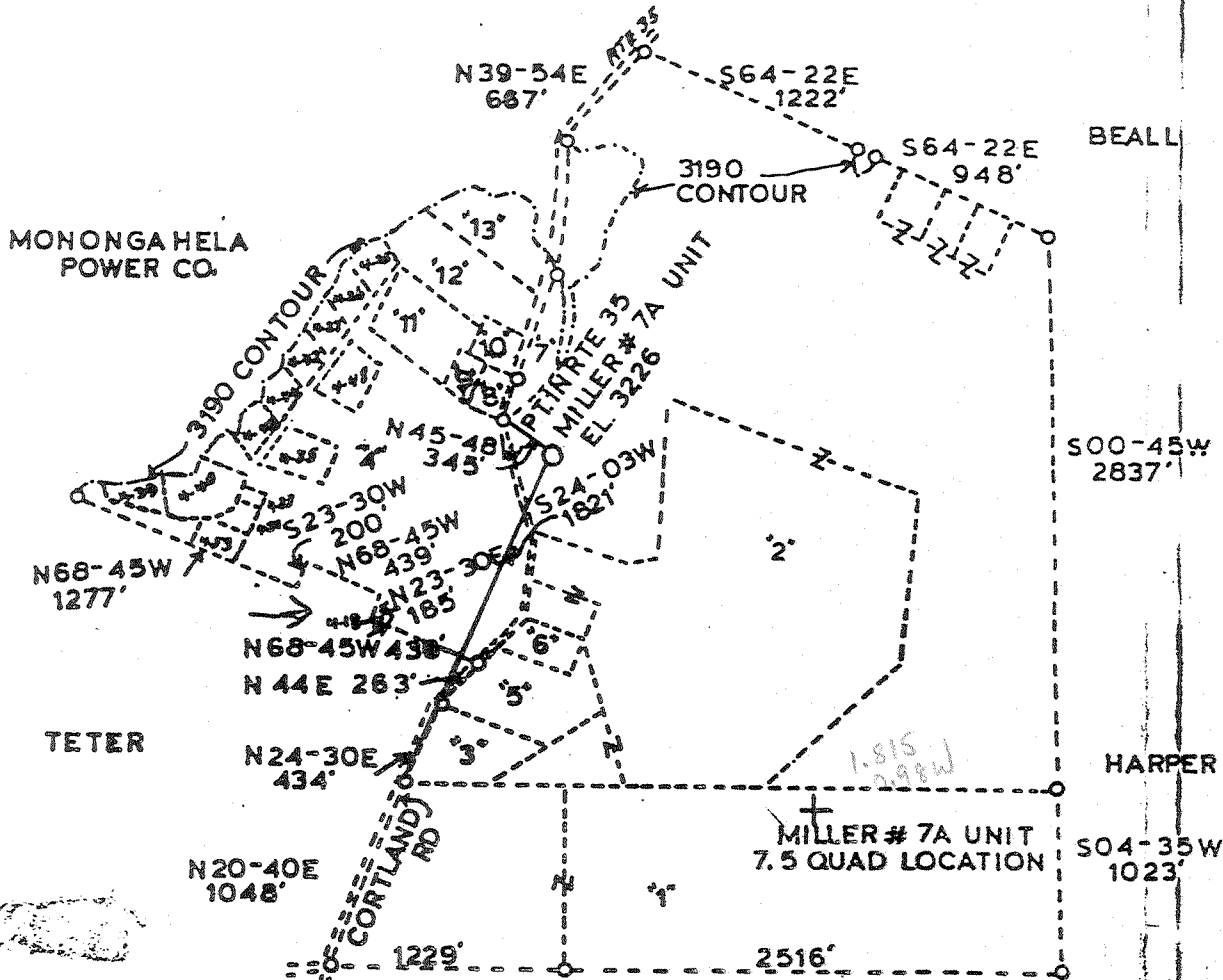
TUCKER 0060

Updated version

LATITUDE 39°-05'-00"

NORTH

LONGITUDE 79°-25'-00"



"1" HARPER	85.00 ACRES	N85-25W	THOMPSON
"2" MILLER	203.3	4.26 WOLFE	1.08
"3" RAINES ENT.	5.23	4.27 WILSON	.96
"4" ALLMAN	41.45	4.33 BONI	1.0
"5" KOONTZ	5.19	4.34 PRUNYI	1.0
"6" HOGGE	1.98	4.35 HUTTON	1.04
"7" HARPER HEIRS	1.72	4.39 MCDANIEL	1.15
"8" SMIGAL	1.0	4.40 MORTON	1.46
"9" MT. HEBRON	1.0	4.42 GEARY	1.03
"10" TETER, ELIZABETH	(.60) NOT IN UNIT	4.43 G. OURS	1.19
"11" C. HARMON	3.44	4.44 J. OURS	1.14
"12" HOLMES	3.33	4.48 BOGGART, CO.	1.05
"13" L. HARMON	3.33	4.53 CLARK	1.47
4.18 REPANICH	.50		
4.25 OLSON	.99		
		<b>TOTAL UNIT ACREAGE</b>	
		<b>371.07 ACRES</b>	

\* THIS PLAT ONLY REVISES WHICH PARCELS ARE IN UNIT.

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION EL 3228 @ INT OF RTES 35 & 32/9 (CORTLAND RD)

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) Burl J. Smith  
 R.P.E. 6988 L.L.S. \_\_\_\_\_

PLACE SEAL HERE

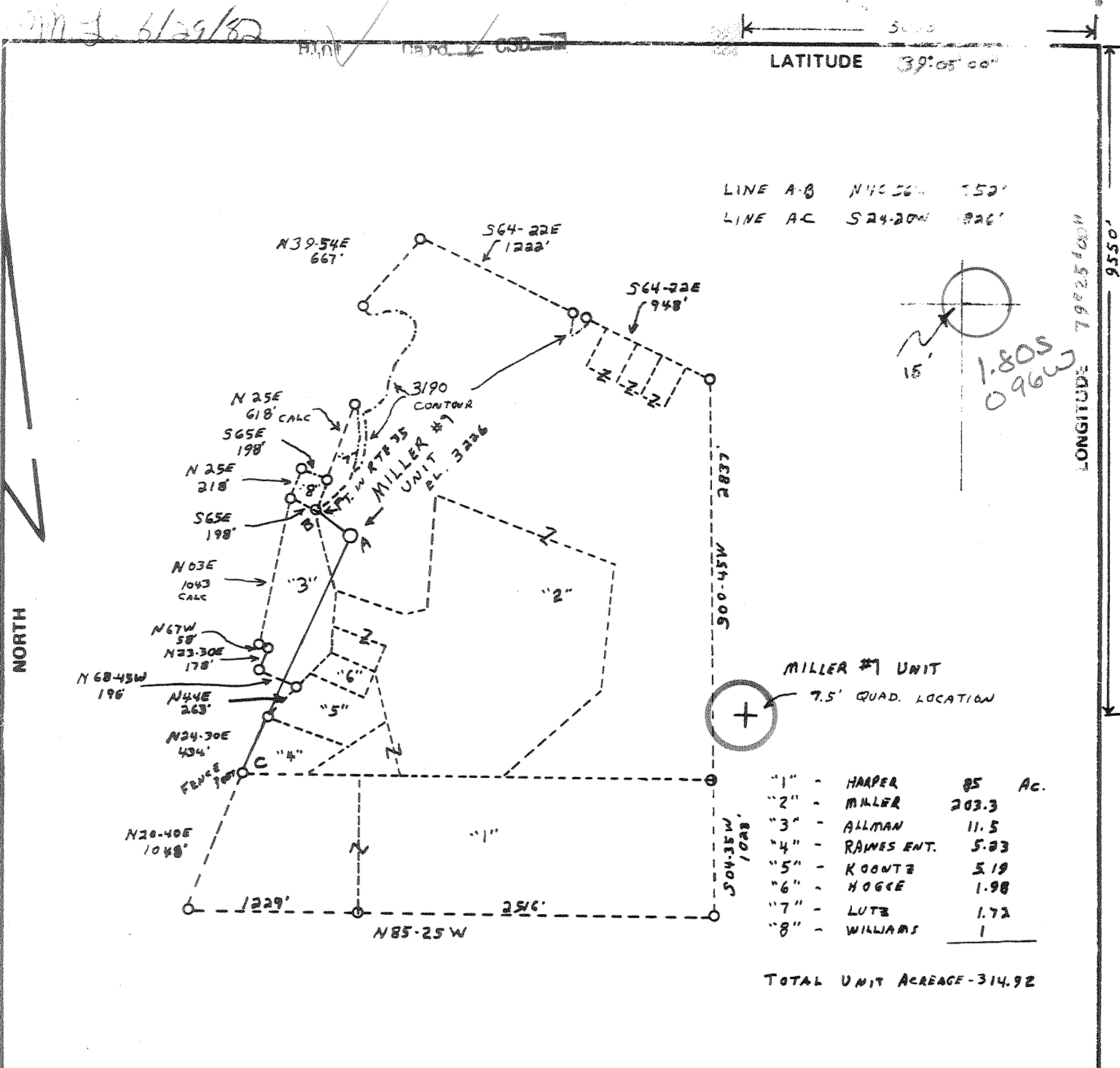
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



\* DATE FEB. 1 / REVISED MAY 27 / 19 83  
 OPERATOR'S WELL NO. MILLER # 7A UNIT  
 API WELL NO. REVISED  
47-093-0060  
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WELL TYPE: OIL \_\_\_ GAS x LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION x STORAGE \_\_\_ DEEP x SHALLOW \_\_\_  
 LOCATION: ELEVATION 3226 WATER SHED BLACKWATER RIVER  
 DISTRICT DRY FORK COUNTY TUCKER  
 QUADRANGLE BLACKWATER FALLS 7.5 Devis SW  
 SURFACE OWNER GLENN MILLER ACREAGE 138.3  
 OIL & GAS ROYALTY OWNER UNITIZED LEASE ACREAGE 371.07 ACRES  
 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 8700'  
 WELL OPERATOR BEREA OIL & GAS CORP DESIGNATED AGENT MARK SHUMACHER  
 ADDRESS 901 CHEMICAL BANK BLDG 69 DELAWARE AVE ADDRESS ONE BEREA PLAZA  
BUFFALO NY 14202 BRIDGEPORT WY 26330



FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 1000'  
MINIMUM DEGREE OF ACCURACY 1:200  
PROVEN SOURCE OF ELEVATION EL 3228 @ INT. OF RPS 35132/9 (CORTLAND RD)

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) Burl J. Smith  
R.P.E. 6988 L.L.S. \_\_\_\_\_



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



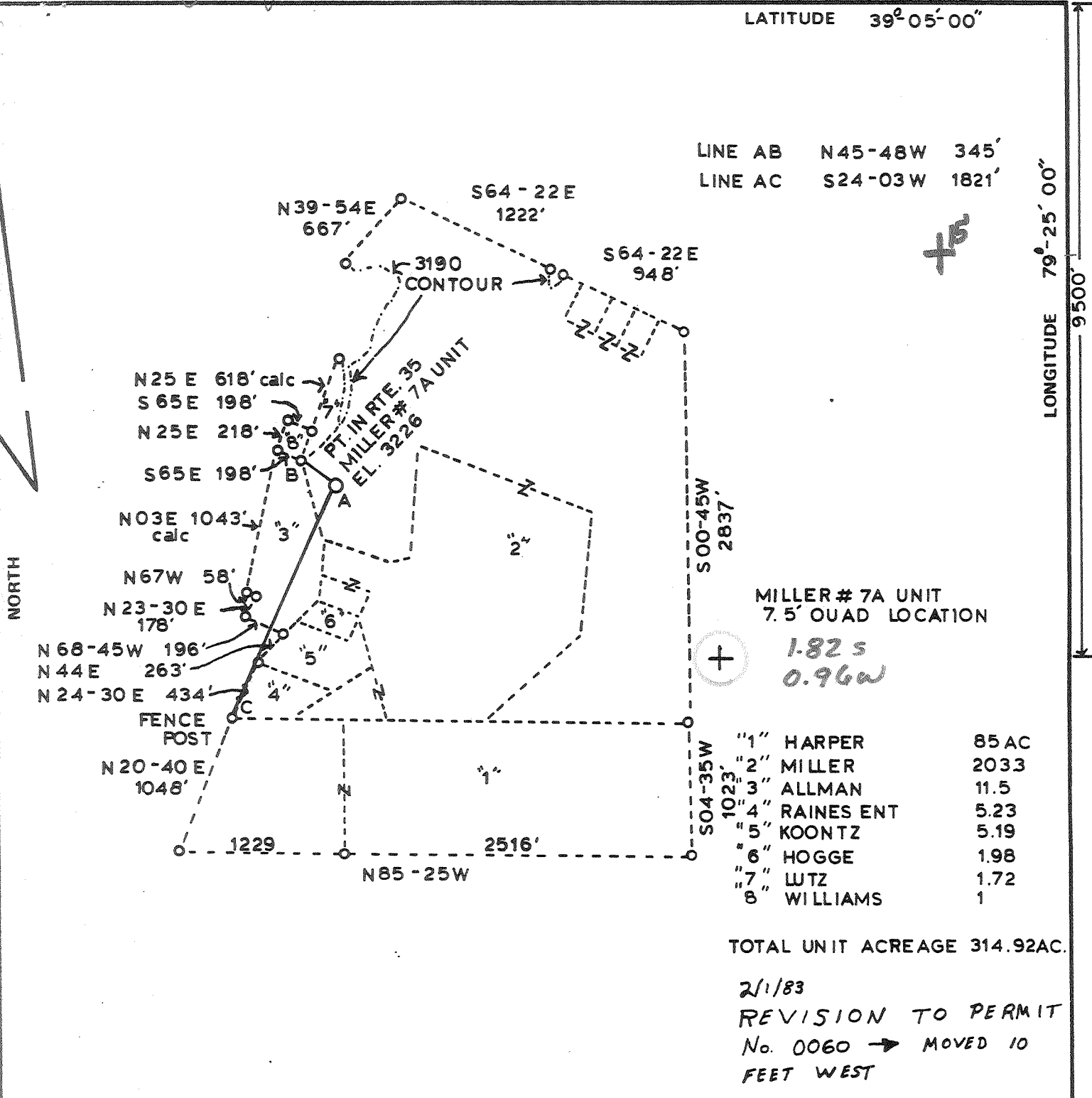
DATE JUNE 24, 19 82  
OPERATOR'S WELL NO. MILLER #7 UNIT  
API WELL NO. \_\_\_\_\_  
47 - 093 - 0060  
STATE COUNTY PERMIT

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 X SHALLOW \_\_\_  
LOCATION: ELEVATION 3226 WATER SHED BLACK WATER RIVER  
DISTRICT DRY FORK COUNTY TUCKER  
QUADRANGLE BLACKWATER FALLS 7.5' Davis 15'SW  
SURFACE OWNER GLENN MILLER ACREAGE 1383  
OIL & GAS ROYALTY OWNER UNITIZED LEASE ACREAGE 314.92  
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 8700  
WELL OPERATOR BEREA OIL & GAS CORP. DESIGNATED AGENT MARK SCHUMACHER  
ADDRESS 901 CHEMICAL BANK BLDG, 69 DELAWARE ME ADDRESS ONE BEREA PLAZA  
BUFFALO, NY 14202 BRIDGEPORT, WV 26330

JUL 06 1982

LINE AB N45-48W 345'  
 LINE AC S24-03W 1821'



MILLER # 7A UNIT  
 7.5' QUAD LOCATION

"1"	HARPER	85 AC
"2"	MILLER	2033
"3"	ALLMAN	11.5
"4"	RAINES ENT	5.23
"5"	KOONTZ	5.19
"6"	HOGGE	1.98
"7"	LUTZ	1.72
"8"	WILLIAMS	1

TOTAL UNIT ACREAGE 314.92AC.

2/1/83  
 REVISION TO PERMIT  
 No. 0060 → MOVED 10  
 FEET WEST

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF  
 ACCURACY 1:200  
 PROVEN SOURCE OF  
 ELEVATION EL 3228 @ INT  
 OF RTES 35 & 32/9 (CORTLAND RD)

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 MINES.  
 (SIGNED) Bert J. Smith  
 R.P.E. 6988 L.L.S. \_\_\_\_\_

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE FEBRUARY 1, 1983  
 OPERATOR'S WELL NO. MILLER#7AUNIT  
 API WELL NO. REVISED  
 47-093-0060  
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP X SHALLOW \_\_\_  
 LOCATION: ELEVATION 3226 WATER SHED BLACKWATER RIVER  
 DISTRICT DRY FORK COUNTY TUCKER  
 QUADRANGLE BLACKWATER FALLS 7.5' Davis 15' SW  
 SURFACE OWNER GLEN MILLER ACREAGE 138.3  
 OIL & GAS ROYALTY OWNER UNITIZED LEASE ACREAGE 314.92  
 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) \_\_\_\_\_

FEB 21 1983

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 8700  
 WELL OPERATOR BEREA OIL & GAS CORP. DESIGNATED AGENT MARK SCHUMACHER  
 ADDRESS 901 CHEMICAL BANK BLDG. 69 DELAWARE AVE. ADDRESS ONE BEREA PLAZA  
 BUFFALO NY 14202 BRIDGEPORT WV 26330



Date: June 24, 1982

Operator's Well No. G. Miller Unit #7

API Well No. 47 093 0060  
State County Permit

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

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

LOCATION: Elevation: 3226 Watershed: Blackwater River  
District: Dry Fork County: Tucker Quadrangle: Blackwater Falls 7.5'

WELL OPERATOR Berea Oil & Gas Corp.  
Address 170 W. High Avenue  
New Philadelphia, OH 44663

DESIGNATED AGENT Mark Schumacher  
Address P.O. Box 299  
Bridgeport, WV 26330

OIL & GAS ROYALTY OWNER See attached  
Address \_\_\_\_\_

COAL OPERATOR N/A  
Address \_\_\_\_\_

ACREAGE 314.92  
SURFACE OWNER Glen Miller  
Address Cannan Valley  
Davis, WV 26260  
ACREAGE 138.3

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address RECEIVED  
JUN 28 1982  
Name \_\_\_\_\_  
Address OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

FIELD SALE (IF MADE) TO:  
Address \_\_\_\_\_

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Robert Stewart  
Address Box 345, Jane Lew, WV  
Phone: (304)884-7782

COAL LESSEE WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_\_\_ / lease \_\_\_\_\_  
other contract \_\_\_\_\_ / dated \_\_\_\_\_, 19\_\_\_\_\_, to the undersigned well operator from \_\_\_\_\_

(IF said deed, lease, or other contract has been recorded:)  
Recorded on \_\_\_\_\_, 19\_\_\_\_\_, in the office of the Clerk of the County Commission of \_\_\_\_\_ County, West  
Va., in \_\_\_\_\_ Book \_\_\_\_\_ at page \_\_\_\_\_. A permit is requested as follows:

PROPOSED WORK: Drill X / 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 §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 on or before the day of the mailing or delivery of this Permit Application to  
the Department of Mines at Charleston, West Virginia.

Berea Oil & Gas Corp.  
170 W. High Avenue  
New Philadelphia, OH 44663

By Mary Gravel Well Operator  
Its Vice President, Land

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY  
TO:  
WEST VIRGINIA OIL AND GAS  
CONSERVATION COMMIS-  
SION  
1615 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: (304) 348-3092

BLANKET BOND

PROPOSED WORK ORDER

(12-81)

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

DRILLING CONTRACTOR (IF KNOWN) \_\_\_\_\_

Address \_\_\_\_\_

GEOLOGICAL TARGET FORMATION, Oriskany

Estimated depth of completed well, 8700' feet Rotary X / Cable tools \_\_\_\_\_ /

Approximate water strata depths: Fresh, 40 feet; salt, 2900 feet.

Approximate coal seam depths: N/A 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	13 3/8	H40	48	X		250'	250'	to surface	Kinds
Fresh Water									
Coal									Sizes
Intermediate	9 5/8	J55	36	X		3100'	3100'	1000' Fillup	
Production	4 1/2	N80	11.6	X		9100'	9200'	1000' Fillup	Depths set
Tubing	2 3/8	J55	4.7	X		9000'			
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  
drilling APPROVED FOR \_\_\_\_\_ THIS PERMIT SHALL EXPIRE  
IF OPERATIONS HAVE NOT COMMENCED BY 3-1-83  
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.

WAIVER

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 \_\_\_\_\_



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
DIVISION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVITE SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: MILLER, GLENN Operator Well No.: 7A

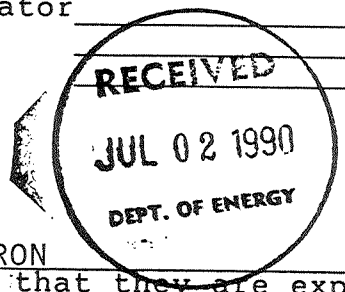
LOCATION: Elevation: 3226.00 Quadrangle: BLACKWATER FALLS  
District: DRY FORK County: TUCKER  
Latitude: 9500 Feet South of 39 Deg. 5 Min. 0 Sec.  
Longitude 5010 Feet West of 79 Deg. 25 Min. 0 Sec.

Well Type: OIL \_\_\_\_\_ GAS X

Company: BEREA OIL & GAS CORP. Coal Operator N/A  
P.O. BOX 299 or Owner \_\_\_\_\_  
BRIDGEPORT, WV 26330

Agent: MARK V. SCHUMACHER Coal Operator \_\_\_\_\_  
Inspector: PHIL TRACY or Owner \_\_\_\_\_  
Permit Issued: 06/25/90

AFFIDAVIT



STATE OF WEST VIRGINIA,  
County of HARRISON ss:

MARK SCHUMACHER and RICHARD BARRON being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by BEREA OIL & GAS CORP., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 26TH day of JUNE, 1990, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
6% GEL	8490	7925	4 1/2" - 6674'	1816'
SOLID BRIDGE PLUG	7925	7923	9 5/8" - 1550'	1553'
6% GEL	7923	6674		
CL. A CEMENT	6674	6574		
6% GEL	6574	3162		
CL. A CEMENT	3162	3062		
6% GEL	3062	1550		
CL. A CEMENT	1550	1450		
6% GEL	1459	250		
CL. A CEMENT	250	0		

Description of monument: 6" LINE PIPE

and that the work of plugging and filling said well was completed on the 29TH day of JUNE, 1990.

And further deponents saith not.

Mark V. Schumacher  
Richard Barron  
Kimberly A. Hill  
Notary Public  
JUL 16 1990

Sworn and subscribed before me this 2nd day of June, 1990  
My commission expires February 1, 1999  
NOTARY PUBLIC  
KIMBERLY A. HILL  
Rt. 3, Box 256E  
Bridgeport, WV 26330







1) Date: February 7, 19 83  
 2) Operator's G. Miller Unit #7-A  
 Well No. \_\_\_\_\_  
 3) API Well No. 47 State 093 County 0060-REV.REN. Permit

DRILLING CONTRACTOR:

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL AND GAS DIVISION

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil \_\_\_\_\_ / Gas X /  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep X / Shallow \_\_\_\_\_ /)
- 5) LOCATION: Elevation: 3226' Watershed: Blackwater River  
 District: Dry Fork County: Sucker Quadrangle: Blackwater Falls 7.5'
- 6) WELL OPERATOR Berea Oil & Gas Corp. 11) DESIGNATED AGENT Mark Schumacher  
 Address 170 W. High Avenue Address P.O. Box 299  
New Philadelphia, OH 44663 Bridgeport, WV 26330
- 7) OIL & GAS ROYALTY OWNER See attached 12) COAL OPERATOR N/A  
 Address \_\_\_\_\_ Address \_\_\_\_\_
- 8) SURFACE OWNER Glen Miller 13) COAL OWNER(S) WITH DECLARATION ON RECORD:  
 Address Canaan Valley, Rt. #1 Name \_\_\_\_\_  
Davis, WV 26260 Address \_\_\_\_\_  
 Acreage 138.3' Name \_\_\_\_\_  
 Address \_\_\_\_\_
- 9) FIELD SALE (IF MADE) TO:  
 Address \_\_\_\_\_
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name Robert Stewart Address \_\_\_\_\_  
 Address Box 345, Jane Lew, WV Address \_\_\_\_\_  
Phone: (304) 884-7782
- 15) PROPOSED WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Fracture or stimulate \_\_\_\_\_ /  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_ /  
 Other physical change in well (specify) \_\_\_\_\_
- 16) GEOLOGICAL TARGET FORMATION, Oriskany
- 17) Estimated depth of completed well, 8700' feet
- 18) Approximate water strata depths: Fresh, 40' feet; salt, 2900' feet.
- 19) Approximate coal seam depths: N/A Is coal being mined in the area? Yes \_\_\_\_\_ / No X /

20) 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	<u>13 3/8</u>	<u>N40</u>	<u>48</u>	<u>X</u>		<u>250'</u>	<u>250'</u>	<u>to surface</u>	Kinds
Fresh water									
Coal									Sizes
Intermediate	<u>9 5/8</u>	<u>J55</u>	<u>36</u>	<u>X</u>		<u>3100'</u>	<u>3100'</u>	<u>1000' Filler</u>	
Production	<u>4 1/2</u>	<u>N80</u>	<u>11.6</u>	<u>X</u>		<u>8700'</u>	<u>8700'</u>	<u>1000' Filler</u>	Depths set
Tubing	<u>2 3/8</u>	<u>J55</u>	<u>4.7</u>	<u>X</u>		<u>9000'</u>			
Liners									Perforations:
									Top Bottom

- 21) EXTRACTION RIGHTS  
 Check and provide one of the following:  
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.  
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
- 22) ROYALTY PROVISIONS  
 Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes  No
- If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.
- 23) Required Copies (See reverse side.)
- 24) 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 on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: \_\_\_\_\_ Signed: Mary Greenall  
 My Commission Expires February 15, 1985 Its: Vice President, Land

OFFICE USE ONLY  
**DRILLING PERMIT**

Permit number 47-093-0060-REN. Date February 13, 19 83

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector.** (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires October 15, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee:

Administrator, Office of Oil and Gas