

FILE NO. UDI. 3-31
 DRAWING NO. 83-24
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION B.M. IN ROCK
1017' S.W. OF LOCATION
EL. 2140

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) Thomas F. Weaver, Jr.
 R.P.E. _____ L.L.S. 410

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE MAY 6, 1983
 OPERATOR'S WELL NO. 1903-35A
 API WELL NO.

47 - 083 - 0792-PP
 STATE COUNTY PERMIT

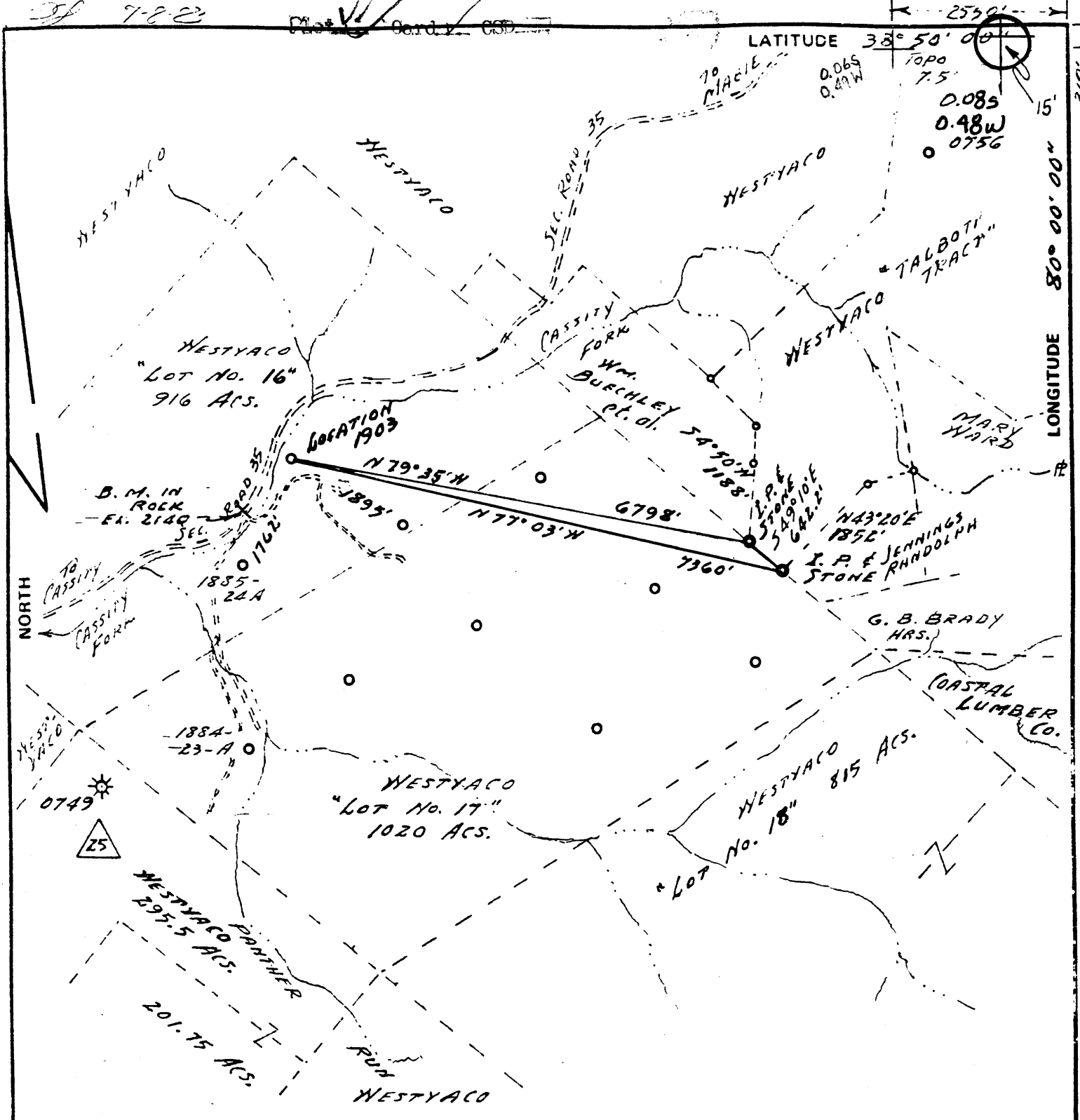
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 2165 WATER SHED CASSITY FORK OF MIDDLE FORK RIVER
 DISTRICT ROARING CREEK COUNTY RANDOLPH
 QUADRANGLE CASSITY

SURFACE OWNER WESTYACO CORPORATION ACREAGE 916
 OIL & GAS ROYALTY OWNER HARRY McMULLAN, JR. ESTATE LEASE ACREAGE 8663
 LEASE NO. 765

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 ELK ESTIMATED DEPTH 5200'
 WELL OPERATOR Equitable Resources DESIGNATED AGENT Jim Rose
 ADDRESS P.O. DRAWER 40 ADDRESS P.O. DRAWER 40
BUCKHANNON, W.VA. 26201 BUCKHANNON, W.VA. 26201

310' 15' 30' 192



FILE NO. UDI. 3-31
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1017' S.W. OF LOCATION
EL. 2140

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) Thomas F. Weaver, Jr.
 R.P.E. _____ L.I.S. 410

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE MAY 6, 1983
 OPERATOR'S WELL NO. 1903-35A
 API WELL NO. 47-083-0792
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 2165 WATER SHED CASSITY FORK OF MIDDLE FORK RIVER
 DISTRICT ROARING CREEK COUNTY RANDOLPH
 QUADRANGLE CASSITY SAGO 15'SE
 SURFACE OWNER WESTYACO CORPORATION ACREAGE 916
 OIL & GAS ROYALTY OWNER HARRY McMULLAN, JR. ESTATE LEASE ACREAGE 8663
 LEASE NO. 765
 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 ELK ESTIMATED DEPTH 5200' 6.6 Cassity (295)
 WELL OPERATOR UNION DRILLING, INC. DESIGNATED AGENT JOSEPH C. VANZANT, JR.
 ADDRESS P.O. DRAWER 40 ADDRESS P.O. DRAWER 40

1983

RECEIVED

DEC 27 1984



IV-35 (Rev 8-81)

OIL & GAS DIVISION DEPT. OF MINES State of West Virginia Department of Mines Oil and Gas Division

Date December 19, 1984 Operator's Well No. 35A - 1903 Farm Harry McMullan #35A API No. 47 - 083 - 0792 Ren.

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

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal / (If "Gas," Production / Underground Storage / Deep / Shallow X /)

LOCATION: Elevation: 2165' Watershed Cassity Fork of Middle Fork River District: Roaring Creek County Randolph Quadrangle Cassity

COMPANY UNION DRILLING, INC.

ADDRESS P.O. Drawer 40, Buckhannon, WV 26201

DESIGNATED AGENT Joseph C. Vanzant, Jr.

ADDRESS P.O. Drawer 40, Buckhannon, WV 26201

SURFACE OWNER Westvaco Corp.

ADDRESS 203 Randolph Ave., Elkins, WV 26241

MINERAL RIGHTS OWNER Harry McMullan

ADDRESS P.O. Box 8, Washington, NC 27889

OIL AND GAS INSPECTOR FOR THIS WORK

Phil Tracy ADDRESS Forrest Fest. Apts., Elkins, WV 26241

PERMIT ISSUED 11/1/84

DRILLING COMMENCED 10/31/84

DRILLING COMPLETED 11/3/84

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Table with 4 columns: Casing & Tubing Size, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cord, 13-10", 9 5/8, 8 5/8 (724.10' drilling, 724.10' left, 387 cf), 7, 5 1/2, 4 1/2 (4896.35' left, 931 cf), 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Elk Depth 5500' feet

Depth of completed well 5016' feet Rotary XX / Cable Tools

Water strata depth: Fresh 50', 100' feet; Salt 1965' feet

Coal seam depths: 315/19 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Balltown, Riley, Benson, Alexander, Elk Pay zone depth 4688' feet

Gas: Initial open flow show Mcf/d Oil: Initial open flow Bbl/d

Final open flow 419 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests 2 hours

Static rock pressure 1150# psig (surface measurement) after 24 hours shut in (If applicable due to multiple completion--)

Second producing formation Pay zone depth feet

Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d

Final open flow Mcf/d Oil: 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

JAN 7 1985

(Continue on reverse side)

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

Nowasco - 4 stage Foam Frac - 11/14/84

2706/16 - Balltown - 45,000# sand, 555 Bbls water and 449,300 scf nitrogen

3364/70 - Riley - 45,000# sand, 540 Bbls water and 529,930 scf nitrogen

3446/52 - Benson

3742/46 - Alexander - 45,000# sand, 586 Bbls water and 528,000 scf nitrogen

4634/88 - 1st Elk - 45,000# sand, 596 Bbls water and 559,520 Bbls nitrogen

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	315	1" stream water @50'
Coal			315	319	1" stream water @100'
Sand & Shale			319	1001	
Little Lime			1001	1054	
Big Lime			1097	1224	
Injun			1232	1360	
5th Sand			1919	1981	1" stream salt water @1965'
Bayard			1996	2029	
Balltown			2698	2719	
Riley			3362	3371	
Benson			3442	3463	
Alexander			3729	3751	
1st Elk			4633	4703	
				5016'	T.D. gas show
				<i>Brallin</i> <i>@ T.D.</i>	

(Attach separate sheets as necessary)

UNION DRILLING, INC.

Well Operator

By: *Joseph C. Pettey*

Date: Joseph C. Pettey, Vice President of Production

12/19/84

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ..., encountered in the drilling of a well."

FILE COPY



1) Date: August 17, 19 84
 2) Operator's Well No. 35A - 1903
 3) API Well No. 47 083 0792 -REN
 State County Permit

APPLICATION TO RENEW**

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

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil XX / Gas XX / B (If "Gas", Production XX / Underground storage / Deep / Shallow XX)
- 5) LOCATION: Elevation: 2165' Watershed: Cassity Fork of Middle Fork River
 District: Roaring Creek County: Randolph Quadrangle: Cassity
- 6) WELL OPERATOR Union Drilling, Inc. 7) DESIGNATED AGENT Joseph C. Vanzant, Jr.
 Address P. O. Drawer 40 Address P. O. Drawer 40
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Phillip Tracy Name Union Drilling, Inc.
 Address Forest Festival Terrace #24 Address P. O. Drawer 40
Elkins, WV 26241 Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill XX / Drill deeper / Redrill / Stimulate XX
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Elk
- 12) Estimated depth of completed well, 5200 feet
- 13) Approximate trata depths: Fresh, ? feet; salt, ? feet.
- 14) Approximate coal seam depths: ? Is coal being mined in the area? Yes

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AUG 22 1984
OIL & GAS DIVISION
DEPT. OF MINES

15) 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			X		20'	20'		Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8		23#	X		850'	850'	to surface	
Production	4 1/2		10.5#	X		5200'	5200'	450 sks. or as required	Depths set
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-083-0792-REN. Date November 1 19 84

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. 8) 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.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.
 Permit expires November 1, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

BOBLANKE	Agent: <u>TS</u>	Plat: <u>TS</u>	Casing: <u>TS</u>	Fee: <u>021-343</u>
<u>162</u>				

Margaret J. Lhan
Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File



1) Date: June 3, 1983
 2) Operator's Well No. 35A - 1903
 3) API Well No. 47 083 0792
 State West Virginia County Cassity Permit Harry McMullan #35A (1903)

DRILLING CONTRACTOR:

Union Drilling, Inc.
P. O. Drawer 40
Buckhannon, WV 26201

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 2105 Watershed: Cassity Fork of Middle Fork River
 District: Roaring Creek County: Mandarin Quadrangle: Cassity
- 6) WELL OPERATOR Union Drilling, Inc. 11) DESIGNATED AGENT Joseph C. Vanzant, Jr.
 Address P. O. Drawer 40 Address P. O. Drawer 40
Buckhannon, WV 26201 Buckhannon, WV 26201
- 7) OIL & GAS ROYALTY OWNER Harry McMullan, Jr. Estate 12) COAL OPERATOR
 Address Harry McMullan, III, Agent Address
P. O. Box 8
8,663 Washington, NC 27889
- 8) SURFACE OWNER Westvaco Corp. 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address 203 Randolph Avenue Name
Elkins, WV 26241 Address 105 S. Meridian Street
 Acreage 916 Indianapolis, IN 46225
- 9) FIELD SALE (IF MADE) TO: Name
 Address Not determined at this time Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name Robert Stewart (884-7782) Name International Coal Co.
 Address P. O. Box 545 Address 119 W. Washington Street
Jane Lew, WV 26378 Lewisburg, WV 24901
- 15) PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify)
- 16) GEOLOGICAL TARGET FORMATION, Elk
- 17) Estimated depth of completed well, 5200 feet
- 18) Approximate water strata depths: Fresh, feet; salt, feet.
- 19) Approximate coal seam depths: Is coal being mined in the area? Yes / No

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	1 3/4			x						Kinds
Fresh water										
Coal										Sizes
Intermediate	5/8		23#	x		850	850	to surface		
Production	1/2		10.5#	x			5200	450 sbs. or as required		Depths set
Tubing										
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: Joseph C. Petty, Vice President of Production

My Commission Expires May 22, 1989

Its:

OFFICE USE ONLY

DRILLING PERMIT

Permit number 47-083-0792

19

Date July 11

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 March 11, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
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Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.



STATE OF WEST VIRGINIA
DEPARTMENT OF COMMERCE LABOR AND ENVIRONMENTAL RESOURCES
DIVISION OF ENERGY

APPLICATION FOR A PERMIT TO PLUG AND ABANDON A WELL

1) Date: May 29, 19 91
2) Operator's Well No. 1903-35A
3) API Well No. 47 - 083 - 0792 A
State County Permit

Partial plug & convert to injection
RECEIVED
Division of Energy
Oil and Gas

JUL 17 91
JIC Section

- 4) WELL TYPE: A Oil _____ / Gas X / Liquid injection _____ / Waste disposal _____
B (If "Gas", Production _____ / Underground storage) _____ / Deep _____ / Shallow _____)
- 5) LOCATION: Elevation: 2,165-Feet / Watershed: Cassity Fork of Middle Fork River
District: Roaring Creek (8) / County: Randolph / Quadrangle: Cassity 7.5 Min. 28
- 6) WELL OPERATOR Equitable Resources Exploration / 7) DESIGNATED AGENT Mr. Jim Rose
Address 1989 East Stone Drive / Address P. O. Drawer 40
Kingsport, TN 37660 / Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED / 9) PLUGGING CONTRACTOR
Name Mr. Phillip Tracy / Name Union Drilling, Inc.
Address Route 3, Box 37-A / Address P. O. Drawer 40
Montrose, WV 26283 / Buckhannon, WV 26201
304/636-8798

10) WORK ORDER: The work order for the manner of plugging this well is as follows:

*Issued 8/5/91
Expires 8/5/93*

The existing well is producing from the Balltown (2,706' - 2,716'); Riley (3,364' - 3,370'); Benson (3,446' - 3,452'); Alexander (3,742' - 3,746') and 1st Elk (4,634' - 4,688'). The well operator is proposing to convert this well to a Class II D waste disposal well. The zone to be used for this waste disposal is the Balltown. Therefore, the well operator proposes to plug the remaining producing zones (Riley, Benson, Alexander, and 1st Elk) in the following manner:

- 1) The 4-1/2" production piping will remain in the well.
- 2) Filling the 4-1/2" production piping with a solid concrete plug from 5,016 to 2,765-feet sealing the perforated intervals in this length of the well bore with 100% excess to squeeze off the formations between 5,016 to 2,765-feet.
- 3) From 2,765' to surface the well will remain as completed.

OFFICE USE ONLY

PLUGGING PERMIT

Permit number 47-083-0792-PP

August 5th. 19 91
Date

This permit covering the well operator and well location shown below is evidence of permission granted to plug 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 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, subject to any modifications and conditions on the reverse hereof.

Permit expires 8-5-93 unless plugging is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <input checked="" type="checkbox"/>	Casing: <input checked="" type="checkbox"/>	WPCP: <input type="checkbox"/>	OTHER: <input type="checkbox"/>
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Michael W. Lewis
JIC Director, Division of Oil & Gas

NOTE: Keep one copy of this permit posted at the plugging location.

File

1) Date: May 29, 19 91
Operator's
2) Well No. 1903-35A
3) API Well No. 47 - 083 - 0792 PP
State County Permit

STATE OF WEST VIRGINIA
DIVISION OF OIL AND GAS, DEPARTMENT OF ENERGY
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

5 (i) COAL OPERATOR _____
Address _____

(i) Name Westvaco Corp.
Address 203 Randolph Avenue
Elkins, WV 24241

5 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name AMAX Coal Company
Address 105 S. Meridian Street
Indianapolis, IN 40225

(ii) Name _____
Address _____

5 (iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name International Coal Co.
Address 119 W. Washington St.
Lewisburg, WV 24901

(iii) Name _____
Address _____

This Notice of Application is only for a partial plugging of Well No. 1903-35A from total depth to 2,765-feet.

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application to Plug and Abandon a Well on Form WW-4(B), which sets out the parties involved in the work, and describes the well and its location and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM WW-4(B)) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

RECEIVED
Division of Energy
Oil and Gas
JUL 17 91
JIC Section

Take notice that under Chapter 22B of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Permit to plug and abandon a well with the Director of the Division of Oil and Gas, West Virginia Department of Energy, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Director.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

WELL
OPERATOR Equitable Resources Exploration
By Ben T. Whitefield
Mr. Ben T. Whitefield
Its President

Ben T. Whitefield,
This 11th day of July, 1991.
My commission expires 6-21, 1994

Address Two Executive Park Place
1989 East Stone Drive
Kingsport, TN 37660

Burdette F. Corbin
Notary Public, Sullivan County,
State of Tennessee

Telephone 615/378-5101