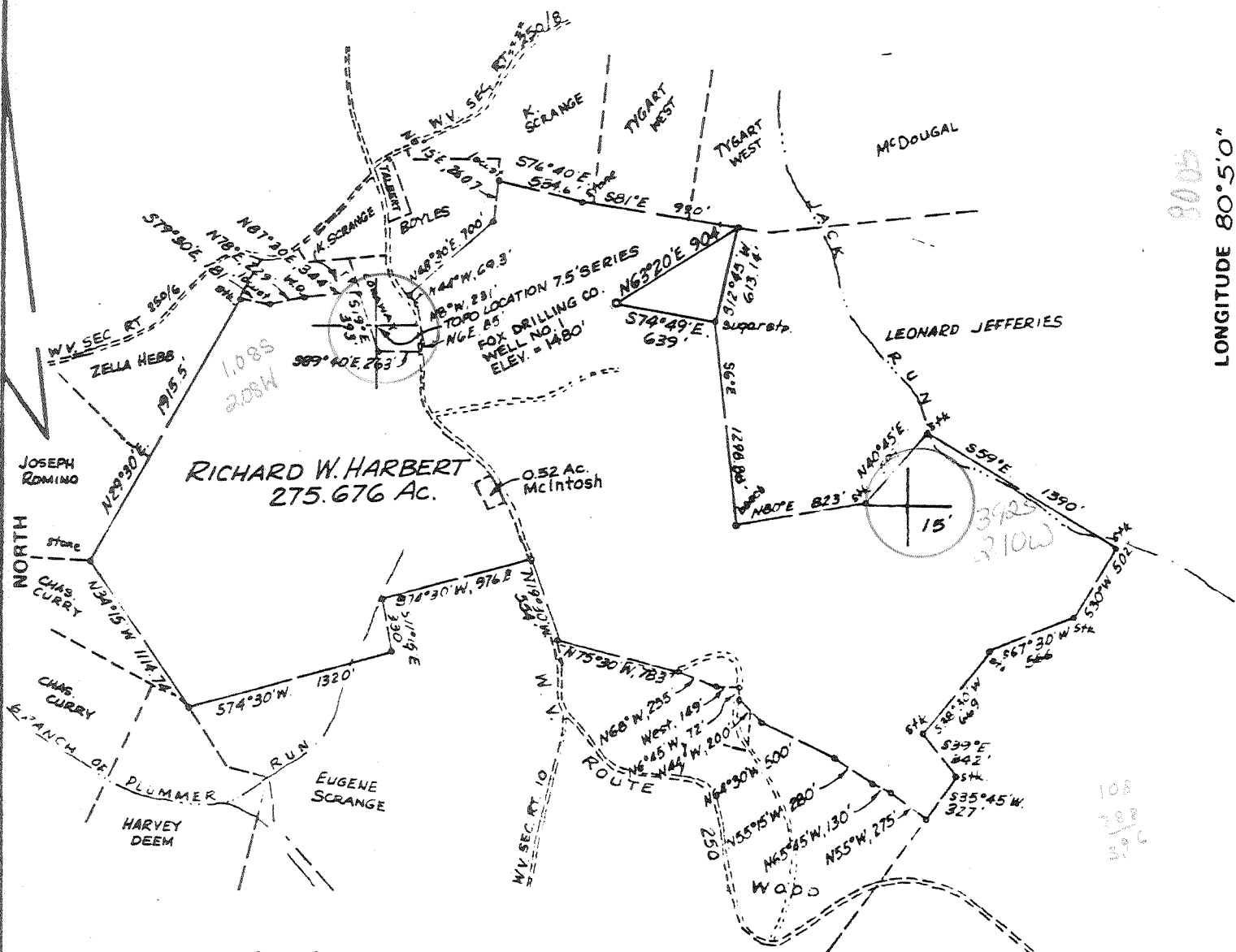


7/23

11,040

LATITUDE 39° 22' 30"
39° 25'

LONGITUDE 80° 5' 0"
80° 5'
80° 5'



COAL OWNERS:
 HILLMAN COAL & COKE Co.
 GRANT BUILDING
 PITTSBURGH, PA.

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION JCT. OF ROADS SO. OF LOCATION USGS B.M. ELEV. = 1472'

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) Mark C. Echard
 MARK C. ECHARD
 R.P.E. _____ L.L.S. 490

PLACE SEAL HERE

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



DATE JUNE 10, 1981
 OPERATOR'S WELL NO. ONE
 API WELL NO. _____
47 - 091 - 0204
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP SHALLOW ___
 LOCATION: ELEVATION 1480' WATER SHED JACK RUN
 DISTRICT BOOTH'S CREEK COUNTY TAYLOR
 QUADRANGLE GRAFTON 7.5' Fairmont C.
 SURFACE OWNER RICHARD W. HARBERT, et ux ACREAGE 275.676
 OIL & GAS ROYALTY OWNER RICHARD W. HARBERT, et ux LEASE ACREAGE 275.676
 LEASE NO. _____
 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 ORISKANY ESTIMATED DEPTH 8100'
 WELL OPERATOR FOX DRILLING CO. DESIGNATED AGENT MR. ROBERT E. FOX
 ADDRESS P.O. BOX 129 ADDRESS P.O. BOX 129
DR. TAY 201 GLENVILLE, W.V. 26351 GLENVILLE, W.V. 26351

AUG 11 1981



Well No. One(1)
 Farm Richard W. Harbert
 API # 47-091-0204
 Date June 12, 1981

STATE OF WEST VIRGINIA
 OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ___ / Gas XXX/

(If "Gas", Production XXX/ Underground storage ___ / Deep ___ / Shallow ___ /

LOCATION: Elevation: 1480' Watershed: Jack Run
 District: Booths Creek County: Taylor Quadrangle: GRETTON 7.5

WELL OPERATOR Fox Drilling Co., Inc.
 Address P.O. Box 129,
Glenville, WV 26351

DESIGNATED AGENT Robert E. Fox
 Address P.O. Box 129
Glenville, WV 26351

OIL AND GAS
 ROYALTY OWNER Richard W. Harbert, et ux
 Address Rt. 4, Box 104
Grafton, WV 26354
 Acreage 275.676

COAL OPERATOR No coal being mined.
 Address _____

SURFACE OWNER Richard W. Harbert, et ux
 Address Rt. 4, Box 104
Grafton, WV 26354
 Acreage 275.676

COAL OWNER(S) WITH DECLARATION ON RECORD:
 NAME Hillman Coal & Coke Co.
 Address Grant Bldg.
Pittsburgh, PA

NAME _____
 Address _____

FIELD SALE (IF MADE) TO:
 NAME Unknown
 Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
 NAME _____
 Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
 NAME William Blosser
 Address P.O. Box 1028
Coalfax, WV 26566
 Telephone 304-363-9105

RECEIVED
 JUL 21 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 XXX / other contract ___ / dated May 22, 1980, to the undersigned well operator from Richard W. Harbert.

(If said deed, lease, or other contract has been recorded:)

Recorded on June 5, 1980, in the office of the Clerk of County Commission of Taylor County, West Virginia, in 34 Book at page 528. A permit is requested as follows:

PROPOSED WORK: Drill XX / 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 receipt of this Application by the Dept. 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 lessees on or before the day of the mailing or delivery of this 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
 1613 WASHINGTON ST., E.
 CHARLESTON, WV 25311
 Telephone - 304/348-3092

Fox Drilling Co., Inc.
 Well Operator

By: Robert E. Fox

 President

BLANKET BOND

(Revised 3-81)

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Fox Drilling Co., Inc.

Address P.O. Box 129
Glenville, WV 26351

GEOLOGICAL TARGET FORMATION Oriskany

Estimated depth of completed well 8100 feet. Rotary XX / Cable tools /
Approximate water strata depths: Fresh, 80 feet; salt, feet.
Approximate coal seam depths: 350/450
Is coal being mined in this area: Yes / No XX /

CASING AND TUBING PROGRAM

| CASING OR TUBING TYPE | SPECIFICATIONS | | | | | FOOTAGE INTERVALS | | CEMENT FILL-UP OR SACKS Cubic ft. | PACKERS Kinds |
|-----------------------|----------------|-------|---------------|-----|------|-------------------|--------------|-----------------------------------|-----------------------------|
| | Size | Grade | Weight per ft | New | Used | For Drilling | Left in Well | | |
| Conductor | | | | | | 20' | 20' | | |
| Fresh water | | | | | | | | | |
| Coal | | | | | | | | | Sizes |
| Intermed. | 8 5/8 | | | | | 1500' | 1500' | 350 sks. | |
| Production | 4 1/2 | | | | | | 8100' | 775 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 §22-4-1, (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 §22-4-3a 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, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 3-27-82

[Signature]
Deputy Director - Oil & Gas Division

[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 regularions.

Date: June 18, 1981.

Hullman Coal Company
By: William R. Kohl
Its: Geologist



FERC FILE

IV-35
(Rev 8-81)

Date 5/20/82
Operator's
Well No. One
Farm R. Harbert
API No. 47-091-0204

State of West Virginia
Department of Mines
Oil and Gas Division

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

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

LOCATION: Elevation: 1480 Watershed Jack's-Run
District: Booth Creek County Taylor Quadrangle Grafton

OPERATOR Fox Drilling Co. Inc.
ADDRESS P.O. Box 129 Glenville, WV
DESIGNATED AGENT Robert E. Fox
ADDRESS P.O. Box 129 Glenville, WV
SURFACE OWNER Richard W. Harbert
ADDRESS RL 4 Box 104 Grafton, WV
MINERAL RIGHTS OWNER Same
ADDRESS Same
OIL AND GAS INSPECTOR FOR THIS WORK William Blosser
ADDRESS Coalfax, WV
PERMIT ISSUED 7-21-81 3-26-82
DRILLING COMMENCED 4-2-82
DRILLING COMPLETED 4-15-82
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED

| Casing & Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. |
|-----------------|------------------|--------------|------------------------|
| Size 20-16 | | | |
| Cond. | | | |
| 13-10" | | | |
| 9 5/8 | | | |
| 8 5/8 | 1446' | 1446' | to surface |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | | 7604' | to 5900' |
| 3 | | | |
| 2 | | | |
| Liners used | | | |

GEOLOGICAL TARGET FORMATION Oriskany Depth 8100' feet
Depth of completed well 7824' feet Rotary xxxx / Cable Tools
Water strata depth: Fresh 80' feet; Salt feet
Coal seam depths: None Is coal being mined in the area? No.

OPEN FLOW DATA
Producing formation Huntersville Chert Pay zone depth 7480'-7560' feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Ebl/d
Final open flow 1,500 Mcf/d Final open flow Ebl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 3,400 psig (surface measurement) after 48 hours shut in
(if applicable due to multiple completion--)
Secondary producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Ebl/d
Final open flow Mcf/d Oil: Final open flow Ebl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

Huntersville Chert--7476 7558--(60,000#--80-100)
 (40,000#--20-40) 700 Gal 28% HCL

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS Including indication of all fresh and salt water, coal, oil and gas |
|-----------------------|-------|--------------|----------|-------------|--|
| Shale | | | 0 | 35 | Fresh water at 80' |
| Sand, Shale, Red Rock | | | 35 | 1150 | |
| Little Lime | | | 1150 | 1160 | Gas 2408 1 small flare |
| Shale | | | 1160 | 1180 | |
| Big Lime | | | 1180 | 1310 | |
| Big Injun | | | 1310 | 1360 | Gas 2900 Neg. |
| Sand & Shale | | | 1360 | 1780 | |
| 50' Sand | | | 1780 | 1810 | Gas 4411 |
| Sand & Shale | | | 1810 | 1840 | 6/10-1/4"--water |
| 30' Sand | | | 1840 | 1850 | |
| Sand & Shale | | | 1850 | 2180 | Gas 5617 No show |
| 4th Sand | | | 2180 | 2240 | |
| Shale | | | 2240 | 2280 | Gas 6500 1 small flare |
| 5th Sand | | | 2280 | 2320 | Gas 7013 No show |
| Sand & Shale | | | 2320 | 2790 | |
| Upper Speechly | | | 2790 | 2800 | Gas 7574 |
| Shale | | | 2800 | 2970 | 26/1--1/2" water |
| Lower Speechly | | | 2970 | 2980 | |
| Sand & Shale | | | 2980 | 3980 | Gas at TD 4/10-1/2" water |
| 2nd Riley | | | 3980 | 4010 | |
| Shale | | | 4010 | 4260 | |
| Benson | | | 4260 | 4300 | |
| Shale | | | 4300 | 4460 | |
| 1st Elk | | | 4460 | 4490 | |
| Shale | | | 4490 | 4660 | |
| 2nd Elk | | | 4660 | 4690 | |
| Sand & Shale | | | 4690 | 6470 | |
| Sycamore Grit | | | 6470 | 6560 | |
| Sand & Shale | | | 6560 | 7110 | |
| Tulley Lime | | | 7110 | 7180 | |
| Sand & shale | | | 7180 | 7360 | |
| Marcellus | | | 7360 | 7460 | |
| Onondaga Lime | | | 7460 | 7470 | |
| Huntersville Chert | | | 7470 | 7660 | |
| Oriskany Sand Stone | | | 7660 | 7790 | |
| Helderberg Lime | | | 7740 | 7824 TD | |

7824 TD here
 5810 -- base pay in 201-
 2014 - expl fig
 7400
 1450
 3980

(Attach separate sheets as necessary)

Fox Drilling Co. Inc.

Well Operator

By:

Date: 5/20/82

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



Date: 22 Mar, 19 82

Operator's Well No. # 1 (one)

API Well No. 47 091 0204 *Pen*

State County Permit

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

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

LOCATION: Elevation: 1480' Watershed: Jack Run
District: Boothcreek County: Taylor Quadrangle: Grafton 7.5

WELL OPERATOR Fox Drilling Co. Inc.
Address P.O. Box 129
Glenville, WV. 26351

DESIGNATED AGENT Robert E. Fox
Address P.O. Box 129
Glenville, WV 26351

OIL & GAS ROYALTY OWNER Richard W. Harbert
Address Rt. Box 104,
Grafton WV, 26354
Acreage 275.676

COAL OPERATOR
Address

SURFACE OWNER Richard W. Harbert
Address Rt. 4 Box 104
Grafton, WV. 26354
Acreage 275.676

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Hillman Coal & Coke Co.
Address Grant Bldg.
Pittsburgh, Pa.

FIELD SALE (IF MADE) TO:
Address Unknown

Name
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name William Blosser
Address P.O. Box 1028
Coalfax, WV. 26566
304-363-9105

COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

RECEIVED

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 XXXX
other contract / dated 22 May, 1980, to the undersigned well operator from Richard W. Harbert

(If said deed, lease, or other contract has been recorded):
Recorded on 5 June, 1980, in the office of the Clerk of the County Commission of Taylor County, West
Va., in O & G Book 34 at page 528. A permit is requested as follows:

PROPOSED WORK: Drill XXX / 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 522-4-3 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.

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

Fox Drilling Co. Inc
Well Operator
By Robert E. Fox
Its PRESIDENT

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) Fox Drilling Co. Inc

Address P.O. Box 129

Glenville, WV. 26351

GEOLOGICAL TARGET FORMATION, Oriskany

Estimated depth of completed well, 8100' feet Rotary XXXXX / Cable tools /

Approximate water strata depths: Fresh, 80' feet; salt, feet.

Approximate coal seam depths: 350/ 450' Is coal being mined in the area? Yes / No XXXX /

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 | 113/4" | | | | | 20' | 20' | | Kinds |
| Fresh Water | | | | | | | | | |
| Coal | | | | | | | | | Sizes |
| Intermediate | 85/8" | | | | | 1500' | 1500' | to surface | |
| Production | 4 1/2" | | | | | | 8100 | 1000 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 renewed THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 11-26-82

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