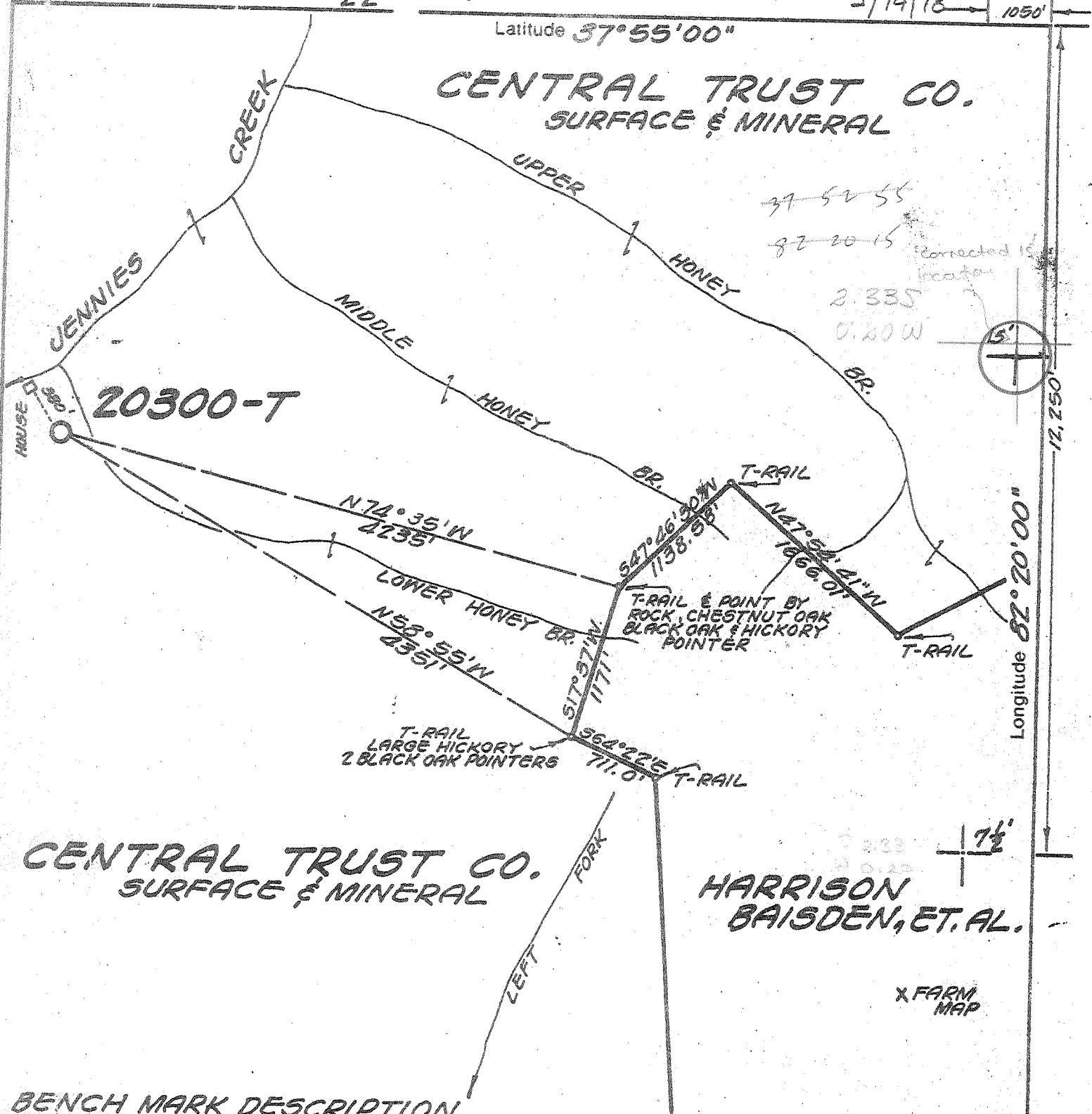


22

Latitude 37° 55' 00"

CENTRAL TRUST CO. SURFACE & MINERAL



CENTRAL TRUST CO. SURFACE & MINERAL

HARRISON
BAIRDEN, ET. AL.

X FARM
MAP

BENCH MARK DESCRIPTION

BM-V158 STANDARD DISK SET VERTICAL
IN ROCK CUT WEST SIDE ROAD ABOUT
200' FROM JENNIE CREEK SCHOOL
ELEVATION 770.68'

COAL NOTE

SURFACE LEASED TO AARON & AMANDA
BREWER - COAL LEASED TO
MARRONBONE DEVELOPMENT CO.

- Partial Plug 11/17/70
- New Location
 - Storage
 - Drill Deeper
 - Abandonment
 - Re-Drill/Fracture

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by the rules and regulations of the oil and gas section of the mining laws of WEST VIRGINIA. Minimum degree of accuracy is one part in 200

ENGR. REG. No 2330
BOX 1273 CHARLESTON, W.VA.

Signed *Adrian E. Bairston*

Company COLUMBIA GAS TRANS. CORP.
 Address BOX 1273 CHARLESTON, W.VA.
 Farm CENTRAL TRUST CO.
 Lease 31896 Acres 6852.4
 Well Farm No. _____ Ser. No. 20300-T
 Elevation - Spirit Level 773.06'
 Quadrangle WILSONDALE, NAUGATUCK 15'
 Township or District HARVEY
 County MINGO
 Sec., Lot, Qr. _____ T _____ R _____
 Coordinates LAT. 37° 52' 59" LONG. 82° 20' 13"
 File No. 22-27 Dwg. No. _____
 Date 10-4-77 Scale 1" = 1000'

FORM 1495 CE 4 CSD

COLUMBIA GAS SYSTEM
 COLUMBIA GAS TRANSMISSION CORPORATION
 WELL LOCATION MAP

STATE OF WEST VIRGINIA

(+) Denotes Values Of Well On United States Topographic Maps

MING-880-PP

Scale 15' 7 1/2'

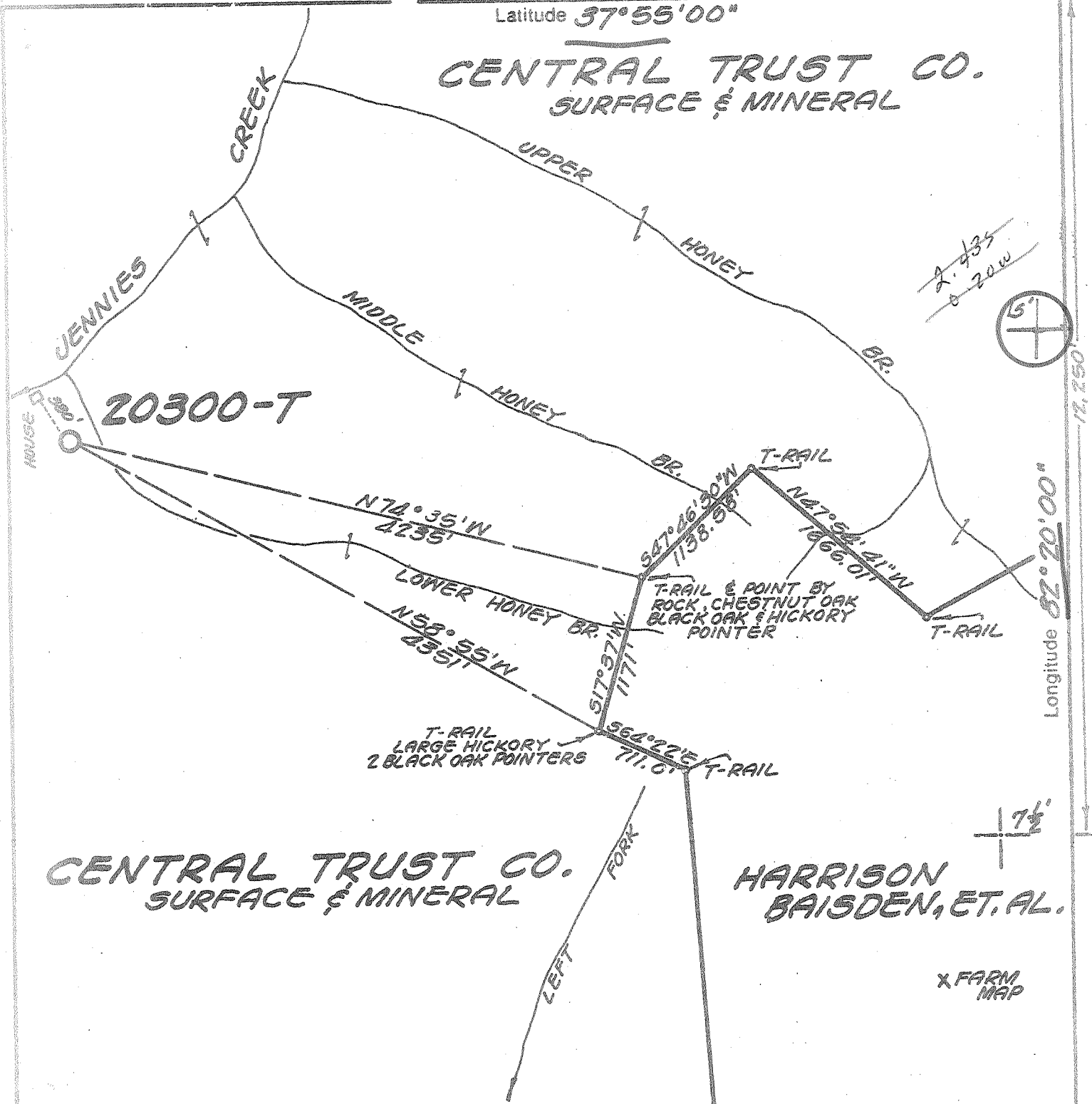
47-059 (243)

DEC 4 1978

4000' Basal Corniferous BREEDEN CREEK 119 D F S D W F L

Latitude $37^{\circ}55'00''$

CENTRAL TRUST CO.
SURFACE & MINERAL



CENTRAL TRUST CO.
SURFACE & MINERAL

HARRISON BAISDEN, ET. AL.

X FARM MAP

BENCH MARK DESCRIPTION

BM-V158 STANDARD DISK SET VERTICAL IN ROCK CUT WEST SIDE ROAD ABOUT 200' FROM JENNIE CREEK SCHOOL ELEVATION 770.68'

COAL NOTE

SURFACE LEASED TO AARON & AMANDA BREWER - COAL LEASED TO MARRONBONE DEVELOPMENT CO.

- New Location
- Storage
- Drill Deeper
- Abandonment
- Re-Drill/Fracture

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by the rules and regulations of the oil and gas section of the mining laws of WEST VIRGINIA. Minimum degree of accuracy is one part in 200

ENGR. REG. No 2330
BOX 1273 CHARLESTON, W.VA.

Signed Adrian E. Hardman

Company COLUMBIA GAS TRANS. CORP.
 Address BOX 1273 CHARLESTON, W.VA.
 Farm CENTRAL TRUST CO.
 Lease 31896 Acres 6852.4
 Well Farm No. _____ Ser. No. 20300-T
 Elevation - Spirit Level 773.06'
 Quadrangle WILSONDALE, NAUGATUCK 15'
 Township or District HARVEY
 County MINGO
 Sec., Lot, Qr. _____ T _____ R _____
 Coordinates LAT. 37°52'59" LONG. 82°20'13"
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FORM 1495 CE 4 CSD

COLUMBIA GAS SYSTEM
COLUMBIA GAS TRANSMISSION CORPORATION
WELL LOCATION MAP

STATE OF WEST VIRGINIA

(+) Denotes Values Of Well On United States Topographic Maps

MING-880

Scale 15' 7 1/2'

APR 10 1978

47-059

RECEIVED

FEB 21 1979



OIL & GAS DIVISION DEPT. OF MINES

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

- Rotary [x] Spudder [] Cable Tools [] Storage []

Form OG-10 Quadrangle Wilsondale, WV Permit No. Ming-880

WELL RECORD

Oil or Gas Well Gas (KIND)

Company Columbia Gas Transmission Corporation Address P. O. Box 1273 - Charleston, WV Farm 1st National Bank of Bluefield Acres 6,852.4 Henry Closterman Trust Location (waters) Jennies Creek Well No. 20300-T Elev. 773.06 District Harvey County Mingo The surface of tract is owned in fee by 1st National Bank of Bluefield-Henry Closterman Trust Address Mineral rights are owned by 1st National Bank of Bluefield Henry Closterman Trust Address Drilling commenced September 2, 1978 Drilling completed September 14, 1978 Date Shot From To With Open Flow /10ths Water in Inch /10ths Merc. in Inch Volume Cu. Ft. Rock Pressure lbs. hrs. Oil bbls., 1st 24 hrs. WELL ACIDIZED (DETAILS) Corniferous Lime acidized w/1000 gallons 28% Acid; B. Lime acidized with 2000 gallons 28% acid. WELL FRACTURED (DETAILS) Injun sand foam fractured with 500 gallons M.A.; 36,944 gallons treatment fluid, 340,000 scf N2, 22,000# 80/100, 28,000# 20/40 sand RESULT AFTER TREATMENT (Initial open Flow or bbls.) No results on Corniferous Lime & Injun. B. Lime 215 MCF/day ROCK PRESSURE AFTER TREATMENT 65# (B. Lime) HOURS 48 Fresh Water Feet Salt Water Feet Producing Sand B. Lime Depth 1366-1403

Table with columns: Casing and Tubing, Used in Drilling, Left in Well, Packers. Includes rows for Size (16, 13 3/8, 10, 8 5/8, 7", 3/16, 4 1/2, 3, 2) and Liners Used.

Attach copy of cementing record. 8 5/8 - 809' - 9/5/78 CASING CEMENTED 7" SIZE 1267 No. Ft. 9/7/78 Date Amount of cement used (bags) 8 5/8 = 350; 7" = 50 cub. ft. Name of Service Co. Dowell COAL WAS ENCOUNTERED AT 62 FEET INCHES 91 FEET INCHES FEET INCHES FEET INCHES FEET INCHES

Main well log table with columns: Formation, Color, Hard or Soft, Top, Bottom, Oil, Gas or Water, Depth, Remarks. Includes formation list from Sand to Shale and D.T.D. at 4062'.

745 Exp. Ft.

MAR 9 1979

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME Joe Campbell
 ADDRESS _____ ADDRESS P.O. Box 2946, Huntington, W. Va.
 TELEPHONE _____ TELEPHONE 529-4173
 ESTIMATED DEPTH OF COMPLETED WELL: 4000' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Basal Corniferous
 TYPE OF WELL: OIL _____ GAS COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
XXXXX 11-3/4	60'		Cement to surface
9 - 5/8			
8 - 5/8	1250'		Cement to surface
7			
5 1/2			
4 1/2	3850'		
3			Perf. Top
2 3/8	4000'		Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____

APPROXIMATE COAL DEPTHS _____

IS COAL BEING MINED IN THE AREA? Yes _____ BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929. FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title