

Minimum Error of Closure 1" IN 200'
 Source of Elevation B.M. = C.G.S.C. WELL 8977 EL-1132'

"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 paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

- New Location
- Drill Deeper
- Abandonment

MAP SHEET 67 S15 W11 F.B. 1940 Pg. 26-27

Company CNG TRANSMISSION CORP.
 Address CLARKSBURG, W.V.
 Farm D.C. STEWART (SEE ABOVE)
 Tract Acres 266 Lease No. 41980
 Well (Farm) No. Serial No. 12571
 Elevation (Spirit Level) 1226'
 Quadrangle OXFORD 7 1/2'
 County DODDRIDGE District WEST UNION
 Engineer Darrell M. Radcliffe
 Engineer's Registration No. L.L.S. #74
 File No. Drawing No.
 Date NOVEMBER 14, 1978 Scale 1"=1000'

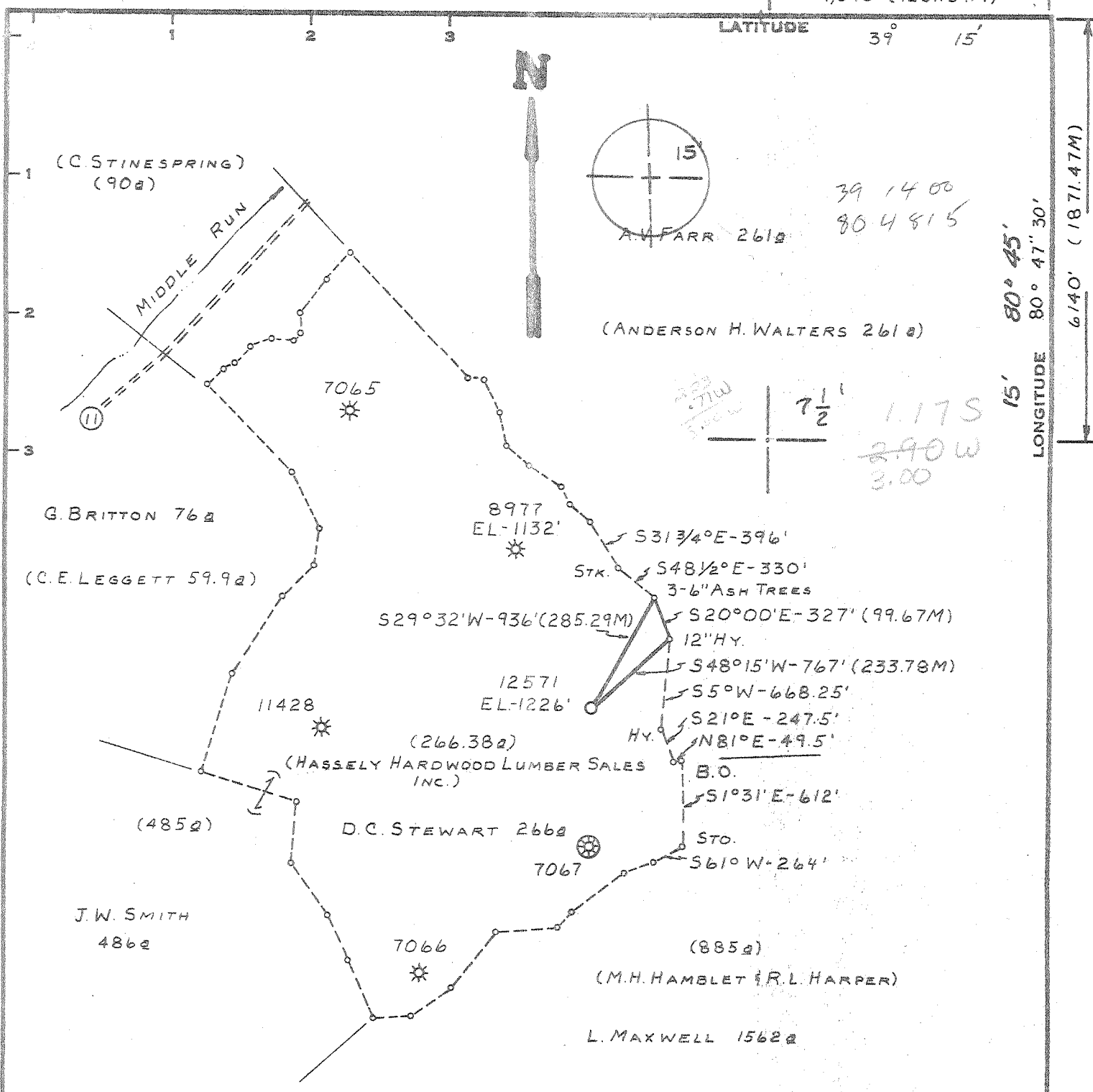
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. 47 017 02363 F

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000 latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

LONGITUDE 80° 47' 30" W (1871.47M)

D000 2363 F



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- New Location
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MAP SHEET 67. S15 W 11 F.B. 1940 Pg. 26-27

Company CONSOLIDATED GAS SUPPLY CORP
 Address CLARKSBURG, W.V
 Farm D.C. STEWART (SEE ABOVE)
 Tract Acres 266 Lease No. 41980
 Well (Farm) No. Serial No. 12571
 Elevation (Spirit Level) 1226'
 Quadrangle OXFORD 7 1/2', HOLBROOK 15'
 County DODDRIDGE District WEST UNION
 Engineer Darrell M. Radcliffe
 Engineer's Registration No. L.L. 274
 File No. Drawing No.
 Date NOVEMBER 14, 1978 Scale 1"=1,000'

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

WELL LOCATION MAP
 FILE NO. **47-017-2363**

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000 latitude and longitude lines being represented by border lines as shown.
 — Denotes one inch spaces on border line of original tracing.

APR 16 1979

WR-35

05-Aug-98
API # 47- 17-02363 F

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: HASSLEY HARDWOOD LUMBER Operator Well No.: CNGT 12571

LOCATION: Elevation: 1,226.00 Quadrangle: OXFORD

District: WEST UNION County: DODDRIDGE
Latitude: 6140 Feet South of 39 Deg. 15Min. 0 Sec.
Longitude 4040 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: CNG TRANSMISSION CORP.

445 W. MAIN ST., P.O. BOX 2450
CLARKSBURG, WV 26302-2450

Agent: JAMES D. BLASINGAME

Inspector: MIKE UNDERWOOD
Permit Issued: 08/05/98
Well work Commenced: 09/28/98
Well work Completed: 10/22/98
Verbal Plugging
Permission granted on: _____
Rotary _____ Cable _____ Rig
Total Depth (feet) _____
Fresh water depths (ft) _____

Salt water depths (ft) _____

Is coal being mined in area (Y/N)?
Coal Depths (ft): _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.

RECEIVED
Office of Oil & Gas
Permitting
NOV 19 1998

OPEN FLOW DATA

Producing formation Speckley Pay zone depth (ft) 3793-3812 (20)
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow * 273 MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests 4 Hours
 Static rock Pressure 190 psig (surface pressure) after 12 Hours
 * Commingled with existing production

Second producing formation _____ Pay zone depth (ft) _____
 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 pressure) after _____ Hours

WV Division of Environmental Protection
3793-3812 (20)
2656-2674 (4)
1992-2062 (20)

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: B. C. [Signature]
CNG TRANSMISSION CORP.
By: [Signature]
Date: 11-13-98

NOV 30 1998

D000 2363 F

CNGT WEV12571

- 09/28/98** MEEKS SET SOLID PLUG AT 3870'. LOADED HOLE WITH WATER TO RUN BOND LOG. OLD CEMENT TOP AT 2570'. SUPERIOR PRESSURE TESTED OLD CASING TO 3000#. MEEKS SHOT 4 SQUEEZE HOLES AT 2470'. SUPERIOR PUMPED 120 BBL TO KILL WELL, THEN 25 BBL GEL, 5 BBL SPACER, 46 BBL CEMENT AND 39 BBL TO PUMP RUBBER PLUG DOWN TO 2467'. USED 220 SKS CLASS A CEMENT, 2% CACL, 1/4# FLAKE, 500# GEL.
- 09/29/98** MEEKS RAN CBL. MOVED IN WONDER RIG TO DRILL OUT WIPER PLUG AND CEMENT. PLAN TO FRAC 10/2/98
- 09/30/98** WONDER RIG DRILLED OUT WIPER PLUG AND CEMENT. SWABBED WELL TO B.P. PLAN TO FRAC 10/2/98
- 10/02/98** MEEKS PERFORATED AND BJ FRACED AS FOLLOWS:
SPEECHLEY 3783 - 3812, 20 HOLES, B.D. 1764#, AVG RATE 15 BPM,
AVG PRESS 1847#, 496 BBL, TOT SAND 28,200#, ISIP 1300#
GORDON STRAY, 2656-2674, 14 HOLES, B.D. 1462#, AVG RATE 15 BPM, AVG PRESS 1634#, 456 BBL, TOT SAND 25,500#, ISIP 1380#
INJUN, 1992-2062, 20 HOLES, B.D. 2140#, AVG RATE 15 BPM, AVG PRESS 1450#, 527 BBL, TOT SAND 33,500#, ISIP 1650#.
- 10/22/98** FCP = 100#. RIG FINISHED DRILLING OUT B.P. TD WELL AT 5299'. PREVIOUS TD AT 5303'. RELEASED RIG.

F.O.F. = 273 MCFD - 190#

T.B.I.L.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECORDED
AUG 20 1979

Oil and Gas Division
WELL RECORD 7

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Oxford

Permit No. 17-017-2363

Rotary X Oil _____
Cable _____ Gas (X)
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company Consolidated Gas Supply Corp.
Address 145 W. Main St., Clarkshurg, WV
Farm D. C. Stewart Acres 266
Location (waters) Middle Run
Well No. 12571 Elev. 1226'
District West Union County Doddridge
The surface of tract is owned in fee by _____
Hassely Hardwood Lumber Sales, Inc.
Address Rt. 1, Newport Pike, Marietta, Ohio
Mineral rights are owned by O. C. Haught 45750
Address Rt. 1, Salem, WV 26126
Drilling Commenced July 13, 1979
Drilling Completed July 20, 1979
Initial open flow 158M cu. ft. _____ bbls.
Final production 412M cu. ft. per day _____ bbls.
Well open 1 hrs. before test 362 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. <u>13-10" 11 3/4"</u>	<u>119.7</u>	<u>119.7</u>	To surface
<u>9 5/8</u>			
<u>8 5/8</u>	<u>1784.7</u>	<u>1784.7</u>	To surface
<u>7</u>			
<u>5 1/2</u>			
<u>4 1/2</u>	<u>5396</u>	<u>5396</u>	500 Sks.
<u>3</u>			
<u>2</u>			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well treated with 120,000# sand, 1000 acid in the Cedar Creek formation.
Perforated 5221-25, 5231-33, 5237-41 and 5247-49 with 16 holes, size 0.41"

Coal was encountered at No coal Feet _____ Inches _____
Fresh water 450-480, 670 Feet _____ Salt Water 1440 Feet _____
Producing Sand Cedar Creek Depth See perforations.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			0	65		
Red Rock & Shale			65	75		
Sand & Shale			75	165		
Shale & Red Rock			165	265		
Sand			265	290		
Shale & Red Rock			290	450		
Sand & Shale			450	520		
Red Rock & Shale			520	590		
Sand & Lime			590	605		
Shale & Sand			605	730		
Red Rock & Shale			730	765		
Sand & Shale			765	925		
Red Rock			925	950		
Sandy Shale			950	1160		
1st Salt			1160	1260		
Sand & Shale			1260	1365		
2nd Salt			1365	1470		
Sand & Shale			1470	1880		
Big Lime			1880	1945		
Sand & Shale			1945	4938		
Benson			4938	4945		
Silt Stone & Shale			4945	5190		
Cedar Creek			5190	5280		
Sand & Shale			5280	5394		T.D.

NBM 10' above S. L.

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet 7	Bottom Feet	Oil, Gas or Water	Remarks
<u>Gamma Ray Tops</u>						
Big Lime			1919	1982		
Big Injun			1982	2060		
Weir			2228	2342		
Gantz			2429	2435		
Gordon Stray-Gordon			2634	2793		
4th			2806	2827		
Warren			3311	3347		
Upper Speechley			3571	3621		
Speechley			3780	3817		
Bradford			4476	4544		
Benson			4924	4930		
Cedar Creek			5175	5263		
				5384 T.D.		

Date August 14 1979

APPROVED CONSOLIDATED GAS SUPPLY CORP. (Owner)

By J.E. Payne Manager of Production



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

MAR 28 1979

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE March 27, 1979

Surface Owner Hassely Hardwood Lumber Sale's Inc. Company Consolidated Gas Supply Corp.
 Address Rt. 1, Newport Pike, Marietta, Ohio 45750 Address 445 W. Main St., Clarksburg, WV.
 Mineral Owner O. C. Haught Farm D. C. Stewart Acres 266
 Address Rt. 1, Salem, WV 26426 Location (waters) Middle Run
 Coal Owner Unknown Well No. 12571 Elevation 1226'
 Address _____ District West Union County Doddridge
 Coal Operator None Quadrangle Oxford
 Address _____

Mr. Hassely would like to see where road and location is going to be made before operations begin.

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 11-29-79.

Deputy Director - Oil & Gas Division

INSPECTOR

TO BE NOTIFIED Paul Garrett

ADDRESS 321 Beech St., Clarksburg, WV 26301

PHONE 622-3871

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated February 28, 1900 by D. C. Stewart made to Hope Natural Gas Co. and recorded on the 25th day of June 1900, in Doddridge County, Book 16 Page 301

NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
 _____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,

(Sign Name) D. P. Payne Manager of Prod.
Well Operator

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address of Well Operator

Consolidated Gas Supply Corp.
Street
445 West Main Street
City or Town
Clarksburg, West Virginia
State

*SECTION 3 . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

47-017-2363

PERMIT NUMBER

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

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME S. W. Jack Drilling Co. NAME R. E. Bayne
 ADDRESS Indiana, Pa. ADDRESS Bridgeport, WV
 TELEPHONE _____ TELEPHONE 623-3611
 ESTIMATED DEPTH OF COMPLETED WELL: 5400' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16	20'	20'	To surface
1 1/2 - 11 3/4"	150'	150'	To surface
9 - 5/8			
8 - 5/8	1775'	1775'	To surface
7			
5 1/2			
4 1/2	5400'	5400'	
3			
2			Perf. Top
Liners			Perf. Bottom
			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 90 FEET SALT WATER none FEET

APPROXIMATE COAL DEPTHS Unknown

IS COAL BEING MINED IN THE AREA? No. 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