



1) Date: March 30, 1983
 2) Operator's Brown # 4
 Well No. _____
 3) API Well No. 47 001 1933
 State West Virginia County Barbour Permit 1933

DRILLING CONTRACTOR:

S.W. Jack Drilling
 P.O. Box 48
 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 X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1788.1 Watershed: Fords Run
 District: Philippi County: Barbour Quadrangle: Philippi
- 6) WELL OPERATOR Bogart Coal & Gas 11) DESIGNATED AGENT Raymond K. Bogart
 Address Rt. # 6, Box 443 Address Rt. # 6, Box 443
Buckhannon, WV 26201 Buckhannon, WV 26201
- 7) OIL & GAS ROYALTY OWNER Raymond K. Bogart 12) COAL OPERATOR Badger Coal Co.
 Address Rt. # 6, Box 443 Address Depot St.
Buckhannon, WV 26201 Philippi, WV 26416
 Acreage 146.14
- 8) SURFACE OWNER Emwood & Jannet Kennedy 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address Meridan Rd. Name Raymond K. Bogart
Philippi, W.Va. Address Rt. # 6, Box 443
 Acreage 20 Buckhannon, WV 26201
 Name _____
 Address _____
- 9) FIELD SALE (IF MADE) TO: Unknown 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Address _____ Name Badger Coal Co.
 Address Depot St.
Philippi, WV 26416
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Robert Stewart
 Address P.O. Box 345
Jane Lew, WV 26378

- 15) PROPOSED WORK: Drill X / Drill deeper _____ / Redrill _____ / Fracture or stimulate X /
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Haverty
- 17) Estimated depth of completed well, 5500 feet
 18) Approximate water strata depths: Fresh, 75 feet; salt, 1000 feet.
 19) Approximate coal seam depths: 262-64 Is coal being mined in the area? Yes No X

RECEIVED

APR 5 - 1983

OIL & GAS DIVISION
 DEPT. OF MINES

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	11 3/4	H-40	42	x		30	0	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		1000	1000	To surface	
Coal	8 5/8	ERW	23	x		1000	1000	To surface	Sizes <u>NEAT</u>
Intermediate									
Production	4 1/2	J-55	10.5	x		5450	5450	450 sks.	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: Sandra S. Carrfield Signed: R.K. Bryant
 My Commission Expires October 16, 1989 Its: Designated Agent

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-001-1933 Date May 28 1983

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 January 28, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>ok</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>1237</u>
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[Signature]
 Administrator, Office of Oil and Gas

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
 "Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—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.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1) A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) 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.
- 24) **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.**

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

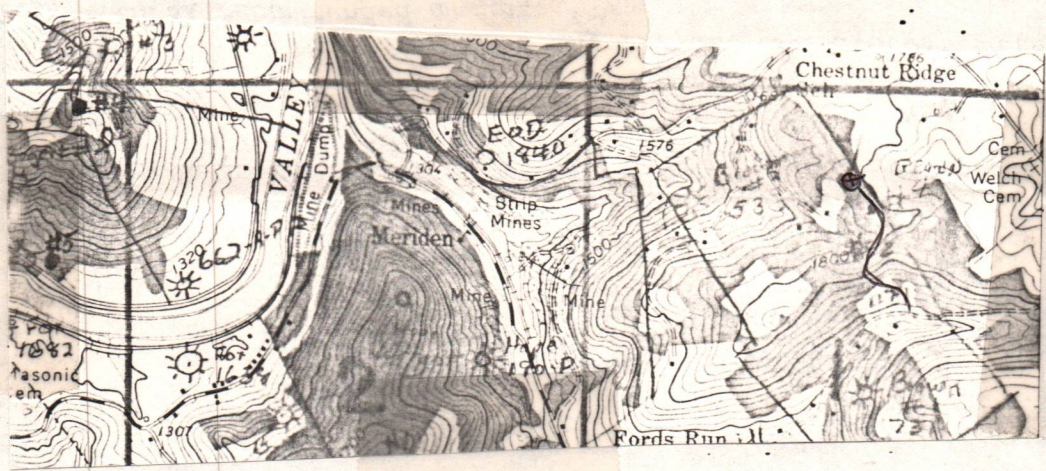
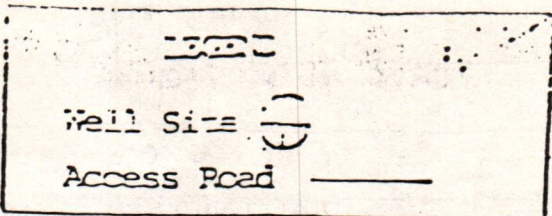
The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the 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 _____

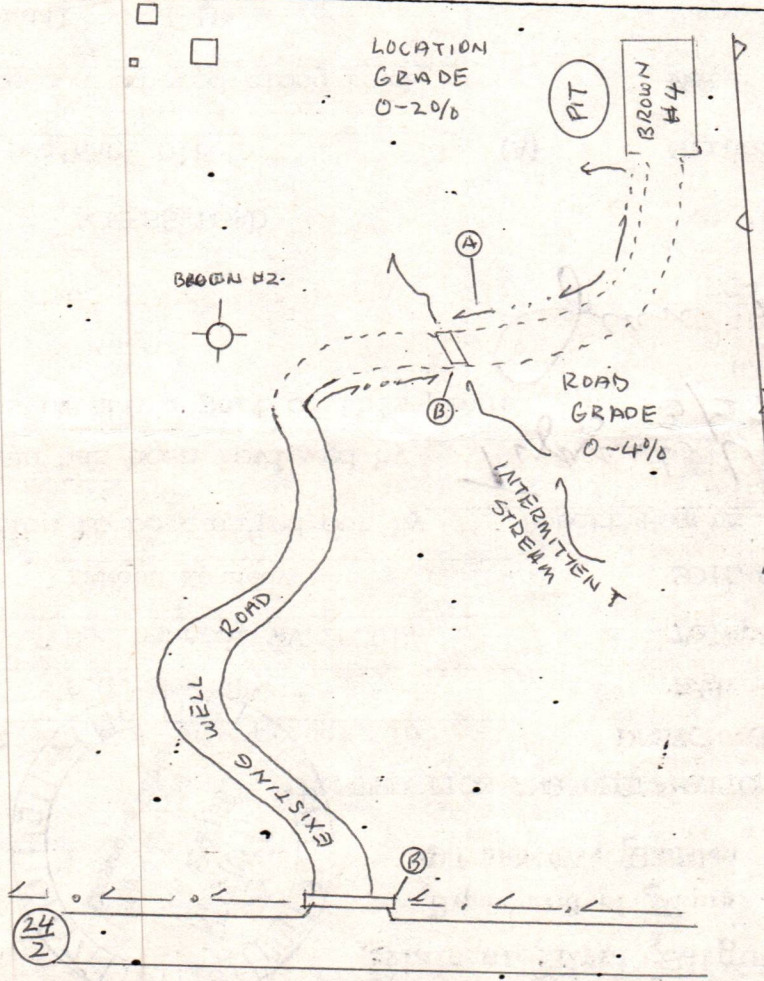
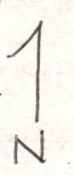
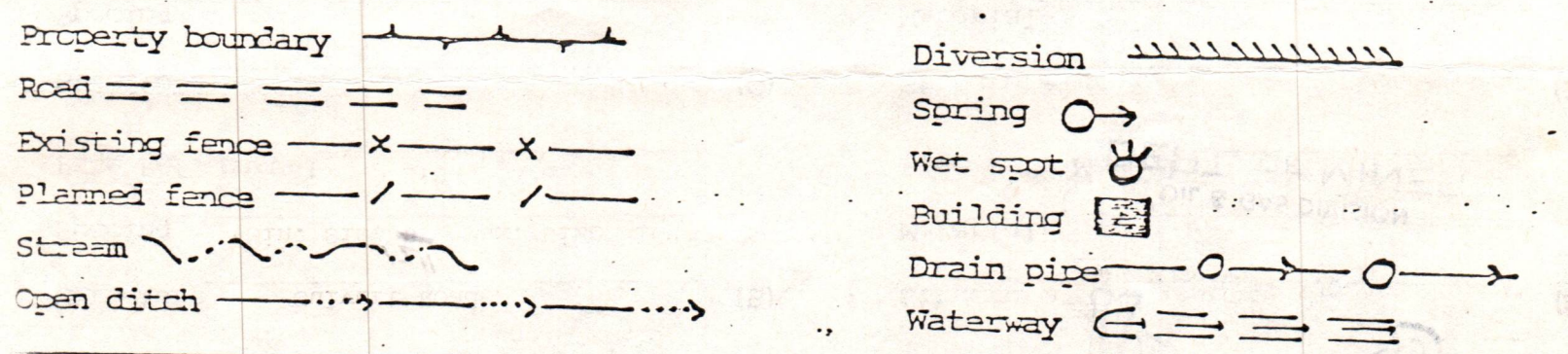
NOTE: Keep one copy of this permit based at the drilling location.



WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, wells, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND



Access road will follow up-graded well road for most part. All grades for location and road are indicated on drawing as well as sediment control structures. All timber will be cut and stacked. Access road subject to change between company and land owner or acquirement of "Right of Way". If changed, a revised plan will be submitted. All cuts on 2:1 slope. *Recommend Topsoil to be stockpiled*

FLAGGED PROPERTY LINE

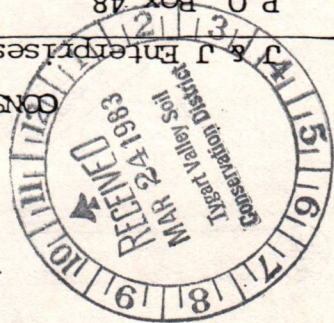
24
2



DATE 3/22/83
 WELL NO. Brown # 4
 API NO. 47 - 001 - 1933

State of West Virginia

Department of Mines
 Oil and Gas Division



DESIGNATED AGENT Raymond K. Bogert

COMPANY NAME J & J Enterprises, Inc.

Address P.O. Box 443, Buckhannon, WV

Address P.O. Box 48

Telephone 472-0612

Telephone Buckhannon, WV 26201

SOIL CONS. DISTRICT Tygarts Valley

LANDOWNER Emwood Kennedy

Robert Rogers (Agent)

Revegetation to be carried out by

This plan has been reviewed by Tygart Valley SCD. All corrections and additions become a part of this plan: 3/27/83

(Date) 3/27/83
 (SCD Agent) Jean Freeman

LOCATION

ACCESS ROAD

Structure (A)

Structure Drainage Ditch

Spacing To be constructed along road

Material

Page Ref. Manual 2-10

Structure (B)

Structure Culvert Road

Spacing Min. Size 12" Max. Size 16"

Material

Page Ref. Manual 2:8

Structure (C)

Structure

Spacing

Page Ref. Manual

Page Ref. Manual

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

Note: Drainage to be maintained after completion of well and seeding to commence within 3 months after completion of well.

REVEGETATION

Treatment Area II

Treatment Area I

Lime 3 Tons/acre or correct to pH 6.5

Lime 3 Tons/acre or correct to pH 6.5

Fertilizer 600 lbs/acre (10-20-20 or equivalent)

Fertilizer 600 lbs/acre (10-20-20 or equivalent)

Mulch Hay 2 Tons/acre

Mulch Hay 2 Tons/acre

Seed* KY-31 Tall Fescue 30 lbs/acre

Seed* KY-31 Tall Fescue 30 lbs/acre

Birdsfoot Trefoil 10 lbs/acre

Birdsfoot Trefoil 10 lbs/acre

Ladino Clover 5 lbs/acre

Ladino Clover 5 lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

PLAN PREPARED BY Ed Summerfield

ADDRESS P.O. Box 48

Buckhannon, WV 26201

NOTES: Please request landowners cooperation to protect new seeding for one growing season. Attach separate sheets as necessary for comments.

[08-78]

Operator's Well No. Brown # 4

API Well No. 47-001-1933
State County Permit

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

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

WELL TYPE: Oil / Gas x / Liquid Injection / Waste Disposal
 (If "Gas", Production x / Underground storage / Deep / Shallow x)
 LOCATION: Elevation: 1788.1 Watershed: Fords Run
 District: Philippi County: Barbour Quadrangle: Philippi

WELL OPERATOR Raymond K. Bogart DESIGNATED AGENT Raymond K. Bogart
 Address Rt. # 6, Box 443 Address Rt. # 6, Box 443
Buckhannon, WV 26201 Buckhannon, WV 26201

PERMITTED WORK: Drill x / Convert / Drill deeper / Redrill / Fracture or stimulate x
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify)

PERMIT ISSUED ON 3/28, 19 83 OIL & GAS INSPECTOR FOR THIS WORK:
 (IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Robert Stewart
 Address P.O. Box 345
Jane Lew, WV 26378

GEOLOGICAL TARGET FORMATION: Haverty Depth 4966-4969 feet
 Depth of completed well, 5606 feet Rotary x / Cable Tools
 Water strata depth: Fresh, 107,530 feet; salt, 0 feet.
 Coal seam depths: 320-25 Is coal being mined in the area? No
 Work was commenced 7/17, 19 83, and completed 7/23, 19 83

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	H-40	42	x		300	300	120	Rinds
Fresh water	8 5/8	ERW	23	x		1044	1044	270 sks	
Coal	8 5/8	ERW	23	x		1044	1044	270 sks	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		5414.4	5415.4	325 sks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom
									4966 5348
									4686 4725
									4022 4026

OPEN FLOW DATA
 Producing formation Haverty Pay zone depth 4966-5348 feet
 Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
 Final open flow, 1,085 Mcf/d 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)
 (If applicable due to multiple completion--)
 Second producing formation Elk, Benson Pay zone depth 4686-4725 feet
 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 measurement, after _____ hours shut in)

DRC 1983

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

Haverty: Perforations: 4966-69 (8 holes) 5280-82 (2 holes) 5348 (1 Hole)
 Fracturing: 12,500 lbs. 20/40 sand: 500 gal. Acid: 180 Bbls. fluid.

Elk: Perforations: 4682-86 (6 holes) 4721-25 (5 holes)
 Fracturing: 52,500 lbs. 20/40 sand: 500 gal. Acid: 480 Bbls. fluid.

Benson: Perforations: 4022-26 (12 holes)
 Fracturing: 50,000 lbs. 20/40 sand: 500 gal. Acid: 480 Bbls. fluid.

ALL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	REMARKS Including indication of all frasn and salt water, coal, etc. and gas
Clay			0	9	
Sand & Black shale			9	44	
Sand & black shale			44	73	1" stream @ 107
Gray sand & shale			73	170	
White sand			170	190	1/4" stream @ 530
Black shale			190	195	
Shale			195	275	
Open mine			275	280	Gas ck @ 2790 70/10-1" w/water
Sand & shale			280	320	62,980 cu.ft.
Coal			320	325	
Shale & sand			325	375	Gas ck @ 3100 70/10-1" w/water
Black shale			375	395	62,980 cu.ft.
Sand & black shale			395	650	
Sandy shale & white sand			650	710	Gas ck @ 4062 130/10-2" w/water
Sandy shale & red rock			710	830	481,000 cu.ft.
Red rock & shale			830	860	
Sandy shale			860	895	Gas ck @ 4277 130,000-2" w/water
Red rock, sand & shale			895	1085	481,000 cu.ft.
Shale & red rock			1085	1140	
Sandy shale & lime			1140	1185	Gas ck @ T.D. 50/10-2" w/water
Red rock & shale			1185	1210	298,000 cu.ft.
Big Lime			1210	1395	
Shale & sand			1395	3610	
Shale			3610	4022	
Benson			4022	4026	
Sand & shale			4026	4682	
Elk			4682	4886	
Sand & shale			4686	4966	
Haverty			4966	4969	
Sand & shale			4969	5606	
				T.D.	

(Attach separate sheets to complete as necessary.)

 Well Operator

By _____
 Its Designated Agent

REG: Regulation 2.02(d) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."

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

RECEIVED

JUL 22 1983

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. BAR. 001-1933

Oil or Gas Well _____
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Bogart Coal</u>	Size			
Address _____	16			Kind of Packer _____
Farm <u>Raymond Bogart</u>	<u>18 11"</u>	<u>300</u>	<u>300</u>	<u>120 Sk Cement</u>
Well No. <u>4</u>	10			Size of _____
District <u>Phillips</u> County <u>Barbour</u>	<u>8 1/4</u>	<u>1044</u>	<u>1044</u>	<u>270 Sk Cement</u>
Drilling commenced _____	6 5/8			Depth set _____
Drilling completed _____ Total depth <u>1070</u>	<u>5 3/16</u>			
Date shot _____ Depth of shot _____	3			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED <u>8 5/8</u> SIZE <u>1044</u> No. FT <u>7-19-83</u> Date			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES FEET _____ INCHES			
	_____ FEET _____ INCHES FEET _____ INCHES			

Drillers' Names _____

Remarks: _____

July 19, 83
DATE

Philip L. Dreyer
DISTRICT WELL INSPECTOR



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MAY 20 1985

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

RECEIVED

MAY 20 1985

OIL & GAS DIVISION
DEPT. OF MINES

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
February 5, 1985

COMPANY Raymond K. Bogert
Route 6, Box 443
Buckhannon, West Virginia 26201

PERMIT NO 001-1933
FARM & WELL NO Brown #4
DIST. & COUNTY Philippi/Barbour

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.04	Prepared before Drilling to Prevent Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.03	High-Pressure Drilling	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.01	Required Permits at Wellsite	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.03	Adequate Fresh Water Casing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.02	Adequate Coal Casing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.01	Adequate Production Casing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.04	Adequate Cement Strenght	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.05	Cement Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.02	Maintained Access Roads	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.01	Necessary Equipment to Prevent Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.04	Reclaimed Drilling Pits	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.05	No Surface or Underground Pollution	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.07	Requirements for Production & Gathering Pipelines	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.01	Well Records on Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.02	Well Records Filed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.05	Identification Markings	<input checked="" type="checkbox"/>	<input type="checkbox"/>

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED *[Signature]*

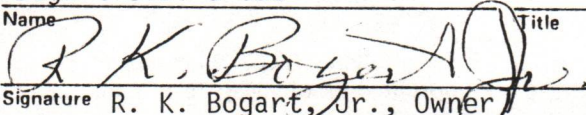
DATE 5-14-85

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

[Signature]
Administrator-Oil & Gas Division

May 24, 1985
DATE

FERC-121

1.0 API well number: (If not available, leave blank. 14 digits.)	_____ 47-001-1933												
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	_____ 103 Section of NGPA Category Code												
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	_____ 4969 feet												
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Bogart Coal & Gas Name _____ Seller Code _____ Route #6, Box 443 Street _____ Buckhannon WV 26201 City State Zip Code												
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Philippi Field Name _____ Barbour WV County State												
(b) For OCS wells:	N/A N/A Area Name Block Number Date of Lease: N/A N/A Mo. Day Yr. OCS Lease Number												
(c) Name and identification number of this well: (35 letters and digits maximum.)	Brown No. 4 Well												
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	N/A												
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Consolidated Gas Supply Corp. 004030 Name Buyer Code												
(b) Date of the contract:	_____ (Amended 4/4/84) 0 9 1 3 7 6 Mo. Day Yr.												
(c) Estimated annual production:	_____ 10 MMcf.												
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:25%;">(a) Base Price (\$/MMBTU)</th> <th style="width:25%;">(b) Tax</th> <th style="width:25%;">(c) All Other Prices [Indicate (+) or (-).]</th> <th style="width:25%;">(d) Total of (a), (b) and (c)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2.909</td> <td style="text-align: center;">0.335</td> <td style="text-align: center;">0.010</td> <td style="text-align: center;">3.254</td> </tr> <tr> <td style="text-align: center;">2.909</td> <td style="text-align: center;">0.335</td> <td style="text-align: center;">0.010</td> <td style="text-align: center;">3.254</td> </tr> </tbody> </table>	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)	2.909	0.335	0.010	3.254	2.909	0.335	0.010	3.254
(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)										
2.909	0.335	0.010	3.254										
2.909	0.335	0.010	3.254										
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	<table border="1" style="width:100%; border-collapse: collapse;"> <tbody> <tr> <td style="text-align: center;">2.909</td> <td style="text-align: center;">0.335</td> <td style="text-align: center;">0.010</td> <td style="text-align: center;">3.254</td> </tr> </tbody> </table>	2.909	0.335	0.010	3.254								
2.909	0.335	0.010	3.254										
9.0 Person responsible for this application:	Bogart Coal & Gas Name _____ Title _____  Signature R. K. Bogart, Jr., Owner July 23, 1984 (304) 472-1395 Date Application is Completed Phone Number												

Agency Use Only
Date Received by Juris. Agency JUL 25 1984
Date Received by FERC

U.S. DEPARTMENT OF ENERGY
 Federal Energy Regulatory Commission
 Washington, D.C. 20426

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
 PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**
 (Sections 102, 103, 107 and 108)

PLEASE READ BEFORE COMPLETING THIS FORM:

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 270.103. If there are any questions, call (202) 275-4539.

Specific Instructions for Item 2.0, Type of Determination:

Section of NGPA	Category Code	Description
102	1	New OCS Lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1,000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS Lease
103	-	New onshore production well
107	-	High cost natural gas
108	-	Stripper well

Other Purchasers/Contracts:

Contract Date (Mo. Day Yr.) _____
 Purchaser _____
 Buyer Code _____

Remarks:

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

Operator's Well No. Brown No. 4

API Well No. 47 - 001 - 1933
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL

NGPA Section 103

DESIGNATED AGENT R. K. Bogart, Jr.
ADDRESS Route #6, Box 443
Buckhannon, WV 26201

WELL OPERATOR Bogart Coal & Gas
ADDRESS Route #6, Box 443
Buckhannon, WV 26201

LOCATION: Elevation 1788.1'
Watershed Fords Run
Dist. Philippi County Barbour Quad. Philippi

GAS PURCHASER Consolidated Gas Supply Corp.
ADDRESS 445 West Main Street
Clarksburg, WV 26301

Gas Purchase Contract No. 3842
Meter Chart Code 1785
Date of Contract 9/13/76 (Amended 4/4/84)

* * * * *

Date surface drilling was begun: July 17, 1983

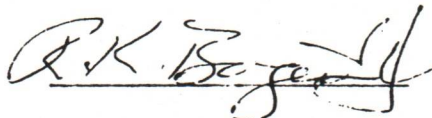
Indicate the bottom hole pressure of the well and explain how this was calculated:

BHP = $P_1 + P_1 (e^{GL/53.34T} - 1)$
 $P_1 = 1614.73$ psia
 $G = 0.60$
 $L = 4969'$
 $T = 120^\circ F$

BHP, = 1778 psia

AFFIDAVIT

I, R. K. Bogart, Jr., having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.



STATE OF WEST VIRGINIA,
COUNTY OF GILMER, TO WIT:

I, J. Ellen Adams, a Notary Public in and for the state and county aforesaid, do certify that R. K. Bogart, Jr., whose name is signed to the writing above, bearing date the 23rd day of July, 1984, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 23rd day of July, 1984.

My term of office expires on the 9th day of February, 1988.

[NOTARIAL SEAL]


Notary Public

FORM IV-48WC
(02-84)

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

AUG 15 1984

Date: July 23, 19 84

AGENCY USE ONLY

Applicant's Name: Bogart Coal & Gas

WELL DETERMINATION FILE NUMBER
840725-103-001-1933
Use Above File Number on all
Communications Relating to This Well

Address: Route #6, Box 443

Buckhannon, WV 26201

Gas Purchaser Contract No. 3842

Date of Contract 9/13/76 (Amended 4/4/84)
(Month, day and year)

Designated Agent: R. K. Bogart, Jr.

First Purchaser: Consolidated Gas Supply Corp.

Address: Route #6, Box 443

Address: 445 West Main Street

(Street or P.O. Box)
Clarksburg WV 26301

Buckhannon, WV 26201

(City) (State) (Zip Code)

FERC Seller Code

FERC Buyer Code 004030

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL
BE ADDRESSED:

Name: R. K. Bogart, Jr. Owner

Signature: *R. K. Bogart, Jr.* (Title)

Address: Route #6, Box 443

(Street or P.O. Box)

Buckhannon WV 26201

(City) (State) (Zip Code)

Telephone: 304 472-1395

(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser) Sent by Certified U.S. Mail postmarked
July 24, 1984, Certification No. P-574-
015-550, with return receipt.

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
 - 102-2 2.5 Mile Test
 - 102-3 1000 Foot Deeper Test
 - 102-4 New Onshore Reservoir

- 108 Stripper Well Natural Gas
 - 108- Stripper Well
 - 108-1 Seasonally Affected
 - 108-2 Enhanced Recovery
 - 108-3 Temporary Pressure Buildup

- 103 New Onshore Production Well
 - xxx 103 New Onshore Production Well

- 107 High Cost Natural Gas
 - 107-0 Deep (more than 15,000 feet)
 - 107-1 Geopressured Brine
 - 107-2 Coal Seams
 - 107-3 Devonian Shale
 - 107-5 Production enhancement
 - 107-6 New Tight Formation
 - 107-7 Recompletion Tight Formation

AGENCY USE ONLY

QUALIFIED

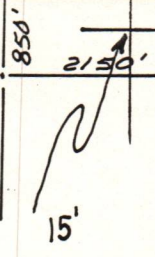
RECEIVED
JUL 25 1984

OIL & GAS DIVISION
DEPT. OF MINES
Date Received

AUG 15 1984
Determination Date

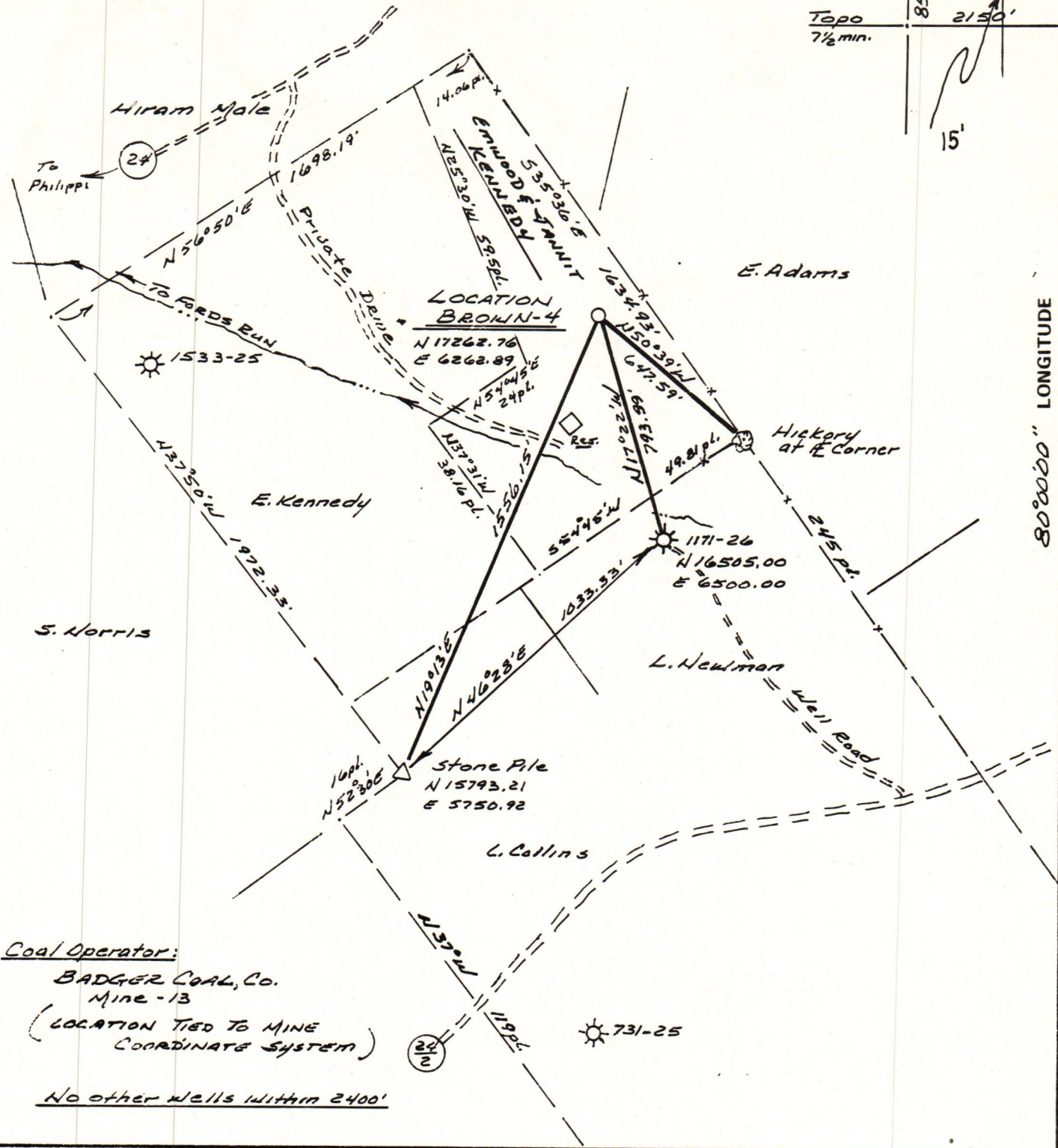
39°10'00" LATITUDE

Topo
7 1/2 min.



NORTH

80°00'00" LONGITUDE



Coal Operator:
BADGER COAL CO.
Mine-13
(LOCATION TIED TO MINE COORDINATE SYSTEM)
No other wells within 2400'

FILE NO. 346.01
DRAWING NO. 93-5
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 in 5000
PROVEN SOURCE OF ELEVATION From Well Permit No. 1171 El. - 1792.2'

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) Raymond S. Ostrander
R.P.E. _____ L.L.S. 555
Buckhannon, W. Va.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE January 13, 19 83
OPERATOR'S WELL NO. BROWN-4
API WELL NO. _____
47 - 001 - 1933
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 ___ SHALLOW X
LOCATION: ELEVATION 1788.1' WATER SHED Fords Run
DISTRICT Philippi COUNTY Barbour
QUADRANGLE Philippa
SURFACE OWNER Emwood & Jannit Kennedy ACREAGE 20
OIL & GAS ROYALTY OWNER Raymond K. Bogart LEASE ACREAGE 146.14
LEASE NO. _____
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION Haverty ESTIMATED DEPTH 5500
WELL OPERATOR Bogart Oil & Gas DESIGNATED AGENT Raymond K. Bogart
ADDRESS Rt. 6, Box 443 ADDRESS Rt. 6, Box 443
Buckhannon, W. Va. 26201 Buckhannon, W. Va. 26201