



1) Date: 14 May, 19 84  
 2) Operator's Well No. J-996  
 3) API Well No. 47 - 001 - 2067  
 State County Permit

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

- 4) WELL TYPE: A Oil    / Gas X /  
 B (If "Gas", Production X / Underground storage    / Deep    / Shallow X /)
- 5) LOCATION: Elevation: 1890' Watershed: Glady Creek  
 District: Glade County: Barbour Quadrangle: Nestorville
- 6) WELL OPERATOR J & J Enterprises, Inc. 7) DESIGNATED AGENT Richard Reddecliff  
 Address P. O. Box 48 Address P. O. Box 48  
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Phillip Tracy Name S.W. Jack Drilling Co.  
 Address General Delivery Address P. O. Box 48  
Ellamore, WV 26267 Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill X / Drill deeper    / Redrill    / Stimulate X /  
 Plug off old formation    / Perforate new formation    /  
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Haverty  
 12) Estimated depth of completed well, 5800' feet  
 13) Approximate trata depths: Fresh, 65' feet; salt, 0' feet.  
 14) Approximate coal seam depths: 125 to 420 Is coal being mined in the area? Yes    / No X /

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	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	
Intermediate										
Production	4 1/2	J-55	10.5	X		5750	5750	350 sks.	Depths set	
Tubing										
Liners									Perforations: Top Bottom	

OFFICE USE ONLY  
 DRILLING PERMIT

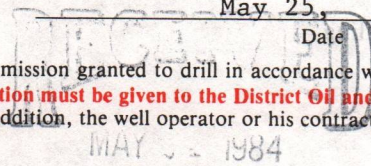
Permit number 47-001-2067

May 25, 19 84  
 Date

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 May 25, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.



DEPT. OF MINES

Bond: <u>BB</u>	Agent: <u>✓</u>	Plat: <u>TS</u>	Casing: <u>TS</u>	Fee: <u>1563</u>
--------------------	--------------------	--------------------	----------------------	---------------------

T. J. ...  
 Administrator, Office of Oil and Gas

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

File

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



**OFFICE USE ONLY**

**PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK**

1) WELL LOCATION: District: Glade County: Parkersburg  
 2) WELL OPERATOR: P. O. Box 48, Buckhannon, WV 26201  
 3) DESIGNATED AGENT: Richard Redbeck, P. O. Box 48, Buckhannon, WV 26201  
 4) DRILLING CONTRACTOR: S.W. Task Drilling Co., P. O. Box 48, Buckhannon, WV 26201  
 5) PROPOSED WELL WORK:  Drill,  Re-drill,  Plug off old location,  Perform new formation,  Other physical change in well (specify):

Casing or tubing program	Casing or tubing size	Casing or tubing weight	Footage intervals		Remarks
			From	To	
Production	1 1/2" x 10.5"	10.5	0	1000	0
Intermediate	8 5/8" x 23"	23	0	1000	0
Flow line	8 5/8" x 23"	23	0	1000	0
Conductor	11 1/2" x 42"	42	0	1000	0

**OFFICE USE ONLY**

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

Date	Date(s)
Application received	Follow-up inspection(s)
Well work started	"
Completion of the drilling process	"
Well Record received	"
Reclamation completed	"

**OTHER INSPECTIONS**

Reason: \_\_\_\_\_  
 Reason: \_\_\_\_\_



1) Date: 14 May, 19 84  
 2) Operator's Well No. J-996  
 3) API Well No. 47 001 State            County            Permit           

**RECEIVED**  
MAY 1984

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL AND GAS DIVISION  
**APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: A Oil            / Gas X  
 B (If "Gas", Production X / Underground storage            / Deep            / Shallow X)
- 5) LOCATION: Elevation: 1890' Watershed: Glady Cree  
 District: Glade County: Barbour Quadrangle: Nestorville
- 6) WELL OPERATOR J & J Enterprises, Inc. 7) DESIGNATED AGENT Richard Reddecliff  
 Address P. O. Box 48 Address P. O. Box 48  
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Phillip Tracy Name S.W. Jack Drilling Co.  
 Address General Delivery Address P. O. Box 48  
Ellamore, WV 26267 Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill X / Drill deeper            / Redrill            / Stimulate             
 Plug off old formation            / Perforate new formation             
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Haverty
- 12) Estimated depth of completed well, 5800' feet
- 13) Approximate strata depths: Fresh, 65' feet; salt, 0' feet.
- 14) Approximate coal seam depths: 125 to 420 Is coal being mined in the area? Yes            / No X

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	<u>1 1/4</u>	<u>H-40</u>	<u>42</u>	<u>X</u>		<u>30</u>	<u>0</u>	<u>0 sks.</u>	Kinds
Fresh water	<u>8 5/8</u>	<u>BRW</u>	<u>23</u>	<u>X</u>		<u>1000</u>	<u>1000</u>	<u>To surface</u>	
Coal	<u>8 5/8</u>	<u>BRW</u>	<u>23</u>	<u>X</u>		<u>1000</u>	<u>1000</u>	<u>To surface</u>	Sizes
Intermediate									
Production	<u>4 1/2</u>	<u>J-55</u>	<u>10.5</u>	<u>X</u>		<u>5750</u>	<u>5750</u>	<u>350 sks.</u>	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

**VOLUNTARY STATEMENT OF NO OBJECTION**

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: \_\_\_\_\_  
 By \_\_\_\_\_  
 Its \_\_\_\_\_ Date \_\_\_\_\_

X Steven E. Streets Date: 5-24-84  
 (Signature)  
 \_\_\_\_\_  
 (Signature) Date: \_\_\_\_\_

**INSTRUCTIONS TO SURFACE OWNERS  
AND  
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT  
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (**NOTE:** If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

**NOTE: You are not required to file any comment at all.**

**Where to file comments and obtain additional information:**

Administrator of the Office of Oil and Gas  
West Virginia Department of Mines  
1615 Washington Street East  
Charleston, West Virginia 25311  
(304) 348-2057

**Who may file comments?** If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

**Time limits for comments.** The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

**Comments must be in writing.** Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

**Methods for filing comments.** Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- "(1) The proposed well work will constitute a hazard to the safety of persons; or
- "(2) The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) The proposed well work fails to protect fresh water sources or supplies."

**If you want a copy of the permit** as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

**List of Water Testing Laboratories.** The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, 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 § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book Page</u>
<i>Stephen Streets</i>	<i>Beckler Energy, Inc.</i>	<i>1/8-100%</i>	<i>96/187</i>
	<i>Assigned to</i>		
	<i>J E - J Enterprises, Inc.</i>		<i>99/611</i>

1) Date: 14 May, 19 84  
2) Operator's  
Well No. J-996  
3) API Well No. 47 - 001 - 2067  
State County Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

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

(i) Name Stephen Streets  
Address 2243 Lasinger Rd.  
Mogadore, Ohio 44260

(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_

(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

5(i) COAL OPERATOR \_\_\_\_\_  
Address \_\_\_\_\_

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Hillman Coal & Coke Co.  
Address 1900 Grant Bldg.  
Pittsburgh, Pa. 15219

Name Stephen Streets  
Address 2243 Lasinger Rd.  
Mogadore, Ohio 44260

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

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

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

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 IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan 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 Administrator.

RECEIVED  
MAY 14 1984

6) 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.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other 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.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

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

Richard Reddecliff

this 15 day of May, 1984.

My commission expires 11/18, 1992.

Edward A. Spurr

Notary Public, Upshur County,  
State of W. Va

WELL

OPERATOR J&J ENTERPRISES, INC.

By Richard D. Reddecliff  
Its Designated Agent

Address PO Box 48  
Buckhannon, WV 26201

Telephone 304-472-9404



1) Date: 14 May, 19 84  
 2) Operator's Well No. J-006  
 3) API Well No. 47 001  
 State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

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

**RECEIVED**  
 MAY 24 1984

- 4) WELL TYPE: A Oil \_\_\_\_\_ / Gas X /  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep OIL & GAS DIVISION X / Shallow \_\_\_\_\_ /)
- 5) LOCATION: Elevation: 1800' Watershed: Glady Creek **DEPT. OF MINES**  
 District: Glade County: Barbour Quadrangle: Nestorville
- 6) WELL OPERATOR J & J Enterprises, Inc. 7) DESIGNATED AGENT Richard Reddecliff  
 Address P. O. Box 48 Address P. O. Box 48  
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Phillip Tracy Name S.W. Jack Drilling Co.  
 Address General Delivery Address P. O. Box 48  
Ellamore, WV 26267 Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate \_\_\_\_\_  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Haverty  
 12) Estimated depth of completed well, 5800' feet  
 13) Approximate trata depths: Fresh, 65' feet; salt, 0' feet.  
 14) Approximate coal seam depths: 125 to 420 Is coal being mined in the area? Yes \_\_\_\_\_ / No X /

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	H-40	42	X		30	0	0 sks.	Kinds
Fresh water	8 5/8	HRW	23	X		1000	1000	To surface	
Coal	8 5/8	HRW	23	X		1000	1000	To surface	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	X		5750	5750	350 sks.	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The 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 the filing of the Application.

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: 5/24, 19 84

Steven E. Streets  
 Its owner

Coal Owner

AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

STATE OF WVa,  
COUNTY OF Barbours:

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form IV-2(A) / Form IV-3(A) / Form IV-4(A) /
- (2) Application on Form IV-2(B) ✓ / Form IV-3(B) / Form IV-4(B) /
- (3) Plat showing the well location on Form IV-6, and
- (4) Construction and Reclamation Plan on Form IV-9 (unless the application is to plug a well)

--all with respect to operator's Well No. 9-996 located in Glade District, Barbours Co County, West Virginia, upon the person or organization named--

Steven Streets

--by delivering the same in Barbours County, State of WVa on the 24 day of May, 1984 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

Handing it to him / her / or, because he / she / refused to take it when I offered it, by leaving it in his / her / presence.

Handing it to a member of his or her family above the age of 15 years named \_\_\_\_\_ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

Handing it to \_\_\_\_\_, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

Handing it to the general partner, named \_\_\_\_\_, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

Handing it to the corporation's employee / officer / director / attorney in fact / named \_\_\_\_\_.

RECEIVED  
MAY 24 1984

Edmond J. [Signature]  
(Signature of person executing service)

OIL & GAS DIVISION  
DEPT. OF MINES  
Taken, subscribed and sworn before me this 24<sup>th</sup> day of May, 1984.  
My commission expires October 11, 1989.

Linda S. [Signature]  
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

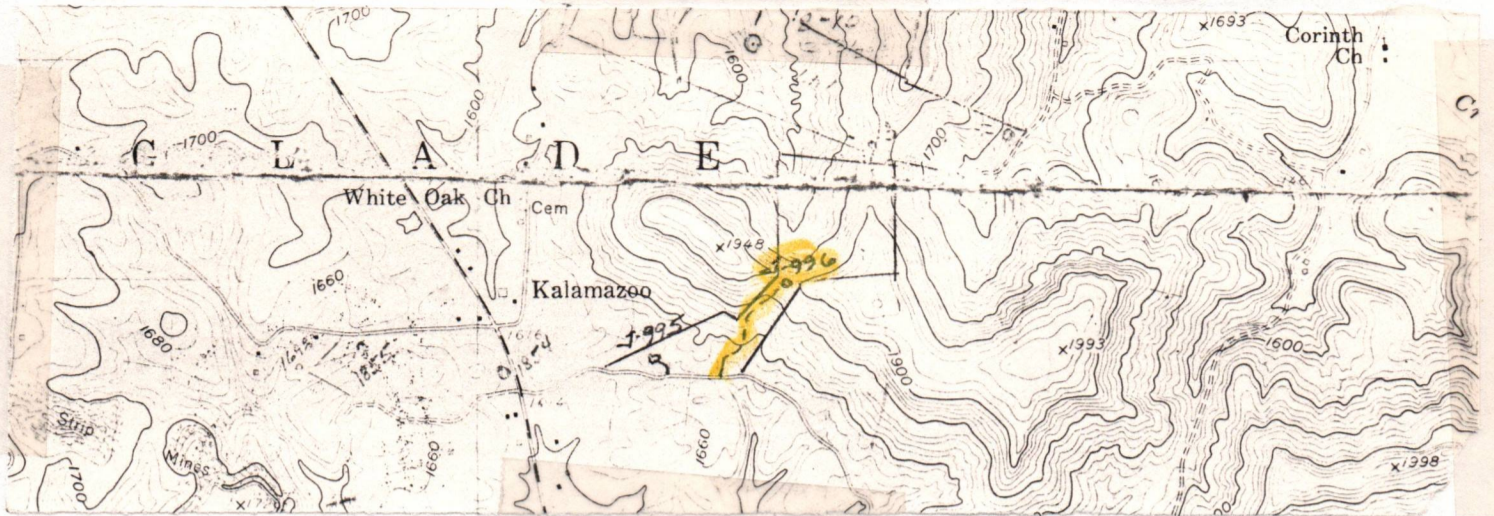


ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE NESTORVILLE

**LEGEND**

Well Site ⊕

Access Road ———



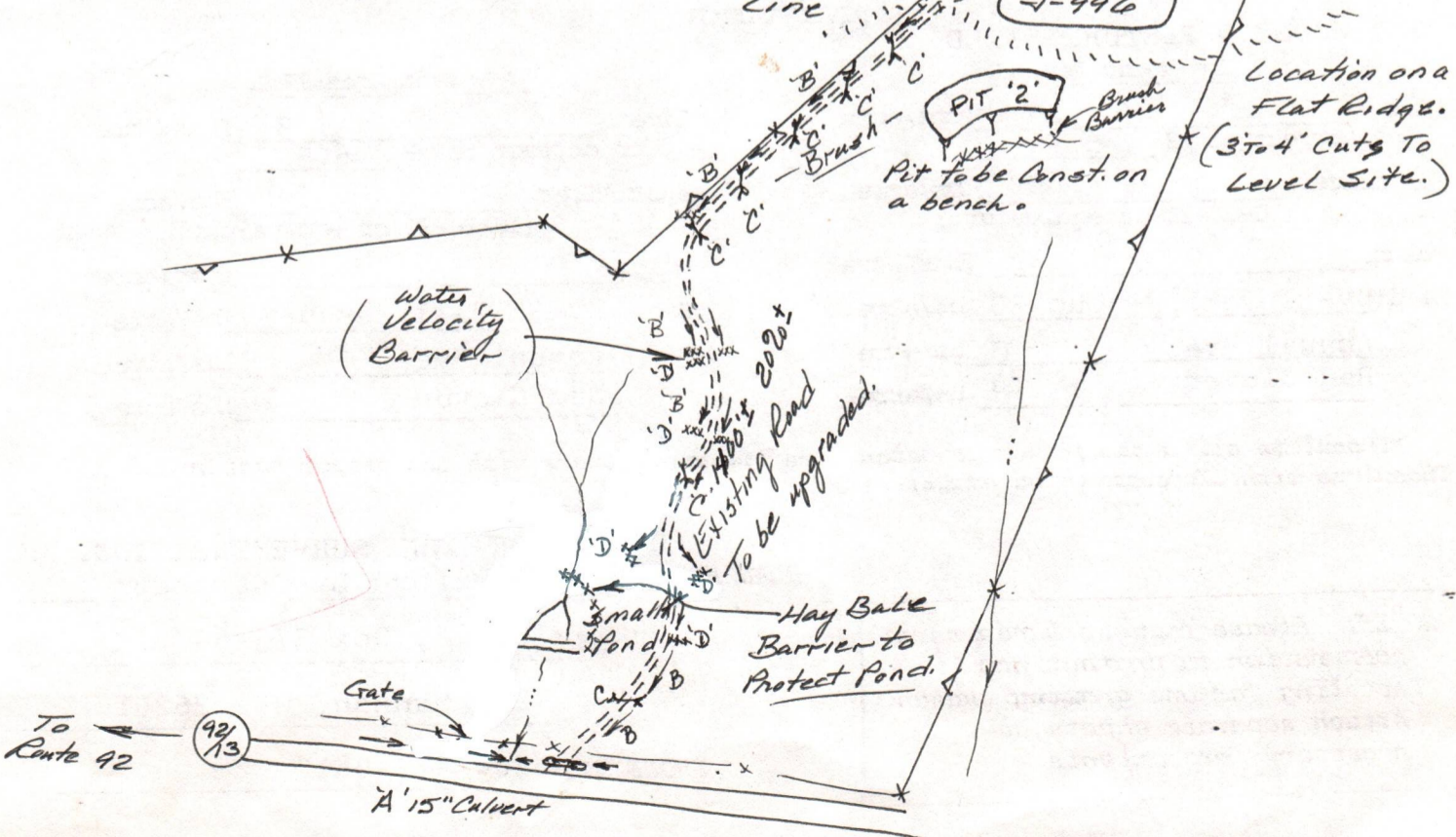
WELL SITE PLAN

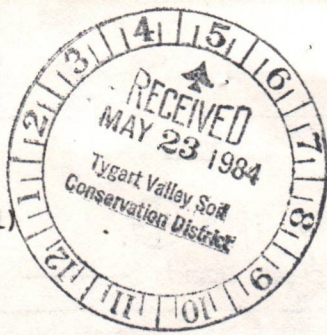
Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

**LEGEND**

Property boundary ———▲———	(D) x x x Water Velocity Barrier
Road = = = = =	Diversion ———▲———
Existing fence — x — x —	Spring ⊕ →
Planned fence — / — / —	Wet spot ⊕
Stream ~ ~ ~ ~ ~	Building [ ]
Open ditch — ···· → — ···· → — ···· →	Drain pipe — ○ — ○ — ○ — ○ —
	Waterway ← = = = = =

- Top Soil to stock pile.
- All cuts to be on a 2:1 slope unless in rock.
- Drainage to be maintained after completion of well and seeding to commence within 6 months after completion of well.
- Water Velocity Barriers to be constructed in the ditch lines.





State of West Virginia  
Department of Mines  
Oil and Gas Division

DATE 14 May 1984  
WELL NO. 5-996  
API NO. 47-001-2067

MAY 21 1984

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME J&J Enterprises, Inc.  
Address PO Box 48  
Buckhannon, WV 26201  
Telephone 304-472-9404

DESIGNATED AGENT Richard Reddick  
Address PO Box 48  
Buckhannon, WV 26201  
Telephone 304-472-9404

LANDOWNER Stephen Streets 2243 Casinger Rd.  
Mogadore, Ohio 44260 SOIL CONS. DISTRICT Tygart Valley  
Revegetation to be carried out by J&J Enterprises, Inc. (Agent)

This plan has been reviewed by Tygart Valley SCD. All corrections  
and additions become a part of this plan: 5-22-84 (Date)

Junior Redick  
(SCD Agent)

ACCESS ROAD

LOCATION

- |  |                                      |
|--|--------------------------------------|
| Structure <u>Culverts</u> (A)  | Structure <u>Diversion Ditch</u> (1) |
| Spacing <u>AS Shown and As Needed</u><br>(15" min. when leaving a state road.) | Material <u>Soil (2% max. slope)</u> |
| Page Ref. Manual <u>2-7</u>  | Page Ref. Manual <u>2-12</u>         |
| Structure <u>Drainage Ditch</u> (B)  | Structure <u>Drilling Pit</u> (2)    |
| Spacing <u>To be constructed along</u><br><u>the access road.</u>              | Material <u>Soil</u>                 |
| Page Ref. Manual <u>2-12</u>   | Page Ref. Manual <u>-----</u>        |
| Structure <u>Cross Drains</u> (C)  | Structure <u>Sediment Trap</u> (3)   |
| Spacing <u>5%-135' 15%-60'</u><br><u>10%- 80' 20%-45'</u>                      | Material <u>Soil</u>                 |
| Page Ref. Manual <u>2-4</u>  | Page Ref. Manual <u>-----</u>        |

Water Velocity Barrier (D)  
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.

REVEGETATION

WOODS & PASTURE FIELD  
Treatment Area I

Lime 3 Tons/acre  
or correct to pH 6.5  
Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch 2 Tons/acre  
Seed Kv-31 Tall Fescue 30 lbs/acre  
Annual Rye 5 lbs/acre  
Red Clover 10 lbs/acre

Treatment Area II

Lime 3 Tons/acre  
or correct to pH 6.5  
Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch 2 Tons/acre  
Seed Kv-31 Tall Fescue 30 lbs/acre  
Annual Rye 5 lbs/acre  
Red Clover 10 lbs/acre

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

OSTRANDER LAND SURVEYING, INC.  
PLAN PREPARED BY Rexford L. Ostrander

ADDRESS Rt. 2, Box 375-6  
Buckhannon, WV 26201

PHONE NO. 304-472-0817

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

RECEIVED

MAY 24 1984

OIL & GAS DIVISION  
DEPT. OF MINES

P 534 412 860

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse) J-996

★ U.S.G.P.O. 1983-403-517

PS Form 3800, Feb. 1982

Send to Hilman Coal and Coke Co. Street and No. 1900 Grant Bldg. P.O. State and ZIP Code PITTSBURGH, Pa. 15219	Postage \$ 37
Certified Fee 75	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered 60	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees \$ 172	
Postmark or Date MAY 23 1984 BUCKHANNON	

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

Haverty: Perforations: 5441-43 (6 holes) 5537-41 (8 holes)  
 Fracturing: 45,000 lbs. 20/40 sand: 250 gal. acid: 500 Bbls. fluid.  
 1st. Elk: Perforations: 4145-48 (9 holes) 4262 (2 holes)  
 Fracturing: 35,000 lbs. 20/40 sand: 500 gal. acid: 539 Bbls. fluid.

BOTTOM HOLE PRESSURE Pf=Pwe XGLS

$$t=60 + (0.0075 \times 5657) + 459.7 = 562 \quad X = \frac{1}{53.35} \times 562 = \frac{1}{29990} = 0.000033 \quad Pf=1525 \times 2.72^{(0.000033)}$$

$$(0.650)(4843)(0.9) = 1525 \times 2.72^{0.09} = 1525 \times 1.09$$

Pf= 1662 psi

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Top soil & sand			0	8	½" stream @ 230'
Sand & sandy shale			8	509	
Coal			509	515	Gas ck @ 2390 No show
Sandy shale			515	570	
Coal			570	574	Gas ck @ 2883 No show
Sandy shale			574	606	
Coal			606	610	Gas ck @ 3255 14/10-2" w/mercury
Sandy shale			610	980	158,000 cu.ft.
Sand & sandy shale			980	1035	
Sand & sandy shale			1035	1150	Gas ck @ 3440 20/10-2" w/mercury
Sandy shale			1150	1585	189,000 cu.ft.
Little lime & shale			1585	1605	
Big Lime			1605	1780	Gas ck @ 3810 8/10-2" w/mercury
Sand & sandy shale			1780	1995	119,000 cu.ft.
Sand & sandy shale			1995	4145	
1st Elk			4145	4262	Gas ck @ 4333 4/10-2" w/mercury
Sand & sandy shale			4262	5441	84,000 cu.ft.
Haverty			5441	5541	
Sand & sandy shale			5541	5830	Gas ck @ 5445 2/10-2" w/mercury
				T.D.	60,000 cu.ft.
					Gas ck 10 jts. down 17/10-2" w/ water 173,000 cu.ft.

(Attach separate sheets as necessary)

J&J Enterprises, Inc.

Well Operator

By:

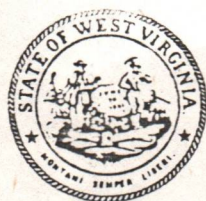
Date:

8/22/84

Robert Dahlin-Geologist

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 coal, encountered in the drilling of a well."

**RECEIVED**  
AUG 23 1984



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

Date August 22, 1984  
Operator's Well No. J-996  
Farm Stephen Streets  
API No. 47 - 001 - 2067

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 x / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow x /)

LOCATION: Elevation: 1890 Watershed Gladly Creek  
District: Glade County Barbour Quadrangle Nestorville

COMPANY J&J Enterprises, Inc.

ADDRESS P.O. Box 48, Buckhannon, WV 26201

DESIGNATED AGENT Richard Reddecliff

ADDRESS P.O. Box 48, Buckhannon, WV 26201

SURFACE OWNER Stephen Streets

ADDRESS 2243 Lasinger Rd. Mogadore, OH 44260

MINERAL RIGHTS OWNER Same as surface

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK Phillip  
Tracy ADDRESS Forrest Festival Terrace  
Apt. 24, Elkins, WV

PERMIT ISSUED 5/25/84

DRILLING COMMENCED 7/15/84

DRILLING COMPLETED 7/20/84

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	15.50	05.50	0
9 5/8			
8 5/8	1000.50	1000.50	280 sks.
7			
5 1/2			
4 1/2	5657.35	5657.35	575 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Haverty Depth 5441-5541 feet

Depth of completed well 5830 feet Rotary x / Cable Tools

Water strata depth: Fresh 230 feet; Salt 0 feet

Coal seam depths: 509-15,570-74,606-10 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Haverty Pay zone depth 5441-43 feet

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

Combined Final open flow 959 Mcf/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1525 psig (surface measurement) after 96 hours shut in  
(If applicable due to multiple completion--)

Second producing formation 1st Elk Pay zone depth 4145-4262 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

(Continue on reverse side)

BAR-2067

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

RECEIVED  
JUN 12 1984

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 001-2067

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>J &amp; J Enterprises</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address _____	Size		
Farm <u>Stephen Sheets</u>	16			Kind of Packer _____
Well No. <u>J-996</u>	13			
District <u>Glade</u> County <u>BARB</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks: Start location

6/8/84

DATE

R.G. Beare (501)

DISTRICT WELL INSPECTOR

7/16/84

DATE

R.G. Beare 501

DISTRICT WELL INSPECTOR

11/01/09

DATE

R.G. Beare 501

DISTRICT WELL INSPECTOR



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

RECEIVED  
JUL 23 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES  
Oil or Gas Well \_\_\_\_\_  
(KIND)

Permit No. 001-2067

Company <u>J &amp; J</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			Kind of Packer _____
Farm <u>Streets</u>	16			
Well No. <u>J-996</u>	13			Size of _____
District _____ County <u>001</u>	10			
Drilling commenced <u>7/15</u>	8 1/4			Depth set _____
Drilling completed _____ Total depth _____	6 3/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			
Rock pressure _____ lbs. _____ hrs.				Perf. top _____
Oil _____ bbls., 1st 24 hrs.				
Fresh water _____ feet _____ feet				Perf. bottom _____
Salt water _____ feet _____ feet				

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_

NAME OF SERVICE COMPANY \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Drillers' Names \_\_\_\_\_

JACIZ #11

Remarks: \_\_\_\_\_

Dug @ 5515 - should T.D.

7/20/84

DATE

RC Beane

DISTRICT WELL INSPECTOR



**STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION  
INSPECTOR'S PLUGGING REPORT**

Permit No. \_\_\_\_\_

Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

Filling Material Used \_\_\_\_\_

Liner	Location	Amount	Packer	Location			
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST

Drillers' Names \_\_\_\_\_

Remarks:

\_\_\_\_\_ I hereby certify I visited the above well on this date.  
DATE

\_\_\_\_\_  
DISTRICT WELL INSPECTOR

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

RECEIVED

JUL 25 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES  
Oil or Gas Well \_\_\_\_\_  
(KIND)

Permit No. 001-2067

Company J & J  
 Address \_\_\_\_\_  
 Farm STREETS  
 Well No. J-996  
 District CLADE County BARBOUR  
 Drilling commenced 7/15/84  
 Drilling completed 7/23 Total depth 5830  
 Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_  
 Initial open flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
 Open flow after tubing \_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
 Volume \_\_\_\_\_ Cu. Ft.  
 Rock pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
 Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
 Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
 Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____ <u>280 SACS</u>
8 7/8	<u>1000'</u>	<u>1000'</u>	Depth set _____ <u>415 SAC</u>
6 5/8			
5 3/4	<u>4 1/2 - 5657'</u>	<u>5657'</u>	
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_  
 NAME OF SERVICE COMPANY \_\_\_\_\_  
 COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Drillers' Names Jacie Rig # 11

Remarks: Rig off

7/23/84  
DATE

R G Bruce  
DISTRICT WELL INSPECTOR

8/21/84  
DATE

R G Boni 501  
DISTRICT WELL INSPECTOR

**STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION  
INSPECTOR'S PLUGGING REPORT**

Permit No. \_\_\_\_\_

Well No. \_\_\_\_\_

**STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES**

FERC-121

Form Approved  
OCT 1981

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 19 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:

OPERATORS:

OPERATOR:

PURCHASER:

ER:

DATE: SEP 14 1984

BUYER-SELLER

J & J Enterprises, Inc.  
Tennessee Gas Pipeline

Va. Department of Mines, Oil & Gas Division  
WELL DETERMINATION FILE NUMBER  
840829-103-001-2067  
Above File Number on all Communications  
Relating to Determination of this Well

QUALIFIED

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

- NO. \_\_\_\_\_
1. FERC -121 \_\_\_\_\_ Items not completed - Line No. \_\_\_\_\_
  2. IV-1 Agent \_\_\_\_\_
  3. IV-2 Well Permit \_\_\_\_\_
  4. IV-6 Well Plat \_\_\_\_\_
  5. IV-35 Well Record \_\_\_\_\_ Drilling \_\_\_\_\_ Deepening \_\_\_\_\_
  6. IV-36 Gas-Oil Test: Gas Only \_\_\_\_\_ Was Oil Produced? \_\_\_\_\_ Ratio \_\_\_\_\_
  7. IV-39 Annual Production \_\_\_\_\_ years
  8. IV-40 90 day Production \_\_\_\_\_ Days off line: \_\_\_\_\_
  9. IV-48 Application for certification. Complete? \_\_\_\_\_
  7. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? \_\_\_\_\_ Affidavit Signed \_\_\_\_\_
  - E. Other: Survey \_\_\_\_\_ Logs \_\_\_\_\_ Geological Charts \_\_\_\_\_  
Structure Map \_\_\_\_\_ 1: 4000 Map \_\_\_\_\_ Well Tabulations \_\_\_\_\_  
Gas Analyses \_\_\_\_\_
  - 5) Date commenced: \_\_\_\_\_ Date completed \_\_\_\_\_ Deepened \_\_\_\_\_
  - 5) Production Depth: \_\_\_\_\_
  - 5) Production Formation: \_\_\_\_\_
  - 5) Final Open Flow: \_\_\_\_\_
  - 5) After Frac. R. P. \_\_\_\_\_
  - 6) Other Gas Test: \_\_\_\_\_
  - 7) Avg. Daily Gas from Annual Production: \_\_\_\_\_
  - 8) Avg. Daily Gas from 90-day ending 4/1-120 days \_\_\_\_\_
  - 9) Line Pressure \_\_\_\_\_
  - Oil Production \_\_\_\_\_ From Completion to \_\_\_\_\_
  7. Does lease provisions indicate enhanced recovery being done \_\_\_\_\_
  7. Is affidavit signed? \_\_\_\_\_ Notarized? \_\_\_\_\_
  - official well record with the Department confirm the submitted information. \_\_\_\_\_
  - ditional information \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_
  - letter matter checked to \_\_\_\_\_ by whom? \_\_\_\_\_

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

Date Aug. 27 1984  
Operator's Well No J-990  
API Well No. 47 - COI - 2067  
State County Permit

WELL CLASSIFICATION FORM  
NEW ONSHORE PRODUCTION WELL  
NGPA Section 103

WELL OPERATOR J & J Enterprises, Inc.  
ADDRESS P. O. Box 697  
Indiana, PA 15701  
GAS PURCHASER Tennessee Gas Pipeline Co.  
ADDRESS P.O. Box 2511  
Houston, Texas 77001

DESIGNATED AGENT James R. Willett  
ADDRESS S.W. Jack Drilling Company  
Box 48 Buckhannon, W. VA. 26201  
LOCATION: Elevation 1890  
Watershed Glady Creek  
Disc Glade County Barbour Quad Nestorville  
Gas Purchase Contract No. \_\_\_\_\_  
Meter Chart Code \_\_\_\_\_  
Date of Contract \_\_\_\_\_

\* \* \* \* \*

Date surface drilling was begun: July 15, 1984

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

Rock Pressure:

Well was shut in several days after treatment and pressure was measured with a spring gauge.

BOTTOM HOLE PRESSURE Pf=Pwe XGLS  
 $t=60 + (0.0075 \times 5657) + 459.7 = 562$   
 $(0.650)(4843)(0.9) = 1525 \times 2.72^{0.09} = 1525 \times 1.09$   
 $X = \frac{1}{53.35} \times \frac{1}{562} = \frac{1}{29990} = 0.000033$  Pf=1525 x 2.72 (0.000033)  
Pf= 1662 psi

AFFIDAVIT

I, James H. McElwain, 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.

James H. McElwain

STATE OF WEST VIRGINIA, PA  
COUNTY OF Indiana TO WIT:

I, Vicki L. Vanderberg, a Notary Public in and for the state and county aforesaid, do certify that J.H. McElwain, whose name is signed to the writing above, bearing date the 27 day of Aug, 1984, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 27 day of Aug, 1984. My ~~XXXXXX~~ expires on the 23 day of January 1988.  
Commission

[NOTARIAL SEAL]

Vicki L. Vanderberg  
Notary Public



VICKI L. VANDERBERG, NOTARY PUBLIC  
INDIANA BOROUGH, INDIANA COUNTY  
MY COMMISSION EXPIRES JAN. 23, 1988  
The Pennsylvania Association of Notaries

*Richard G. ...*

19 ...

19 ...

THE UNIVERSITY OF CHICAGO  
LIBRARY



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

Date Aug. 27, 84.  
Operator's Well No. J-996  
API Well No. 47 - 001-2067  
State \_\_\_\_\_ County \_\_\_\_\_  
Previous File No. \_\_\_\_\_ (If Applicable)

STATE APPLICATION FOR WELL CLASSIFICATION

WELL OPERATOR J & J Enterprises, Inc.  
ADDRESS BOX 697  
Indiana, PA 15701

DESIGNATED AGENT James R. Willett  
ADDRESS S. W. Jack Drilling Co.  
Box 48, Buckhannon, W. VA. 26201

Gas Purchase Contract No. \_\_\_\_\_ and Date \_\_\_\_\_  
(Month, Day and year)  
Meter Chart Code \_\_\_\_\_

Name of First Purchaser Tennessee Gas Pipeline Company  
P.O. Box 2511  
(Street or P. O. Box)  
Houston, Texas 77001  
(City) (State) (Zip Code)

FERC Seller Code 009480 FERC Buyer Code \_\_\_\_\_

TYPE OF DETERMINATION BEING SOUGHT: 103 N/A  
Section of NGPA Category Code

- (1) Initial determination (See FERC Form 121.)
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

Richard J. Kline Secretary  
Name (Print) Title  
Richard J. Kline  
Signature  
P. O. Box 697  
Street or P. O. Box  
Indiana PA 15701  
City State (Zip Code)  
012 349-6800  
Area Phone Number  
Code

(Certificate of Proof of Service to Purchaser)

(All of the above to be completed by the Operator/Applicant)

(To be completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant and purchaser, if known).

The Department of Mines has received a request  for certification of the above described well as meeting the requirements of Section \_\_\_\_\_ under the Natural Gas Policy Act of 1975 (NGPA);  for determination that increased production is the result of enhanced recovery technology under Section 108 of (NGPA);  or for determination of a seasonally affected well under Section 108 of (

All interested parties are hereby notified that on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, at the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be heard, there will be a public hearing, if requested, or if objection is filed.

This Application is assigned File No. \_\_\_\_\_

Initial review of information submitted indicates the well  is,  is not entitled to certification as claimed under the Natural Gas Policy Act (NGPA). A review of this evidence and any additional evidence will be made at the time appointed for a public hearing or as soon thereafter as the matter may be heard.

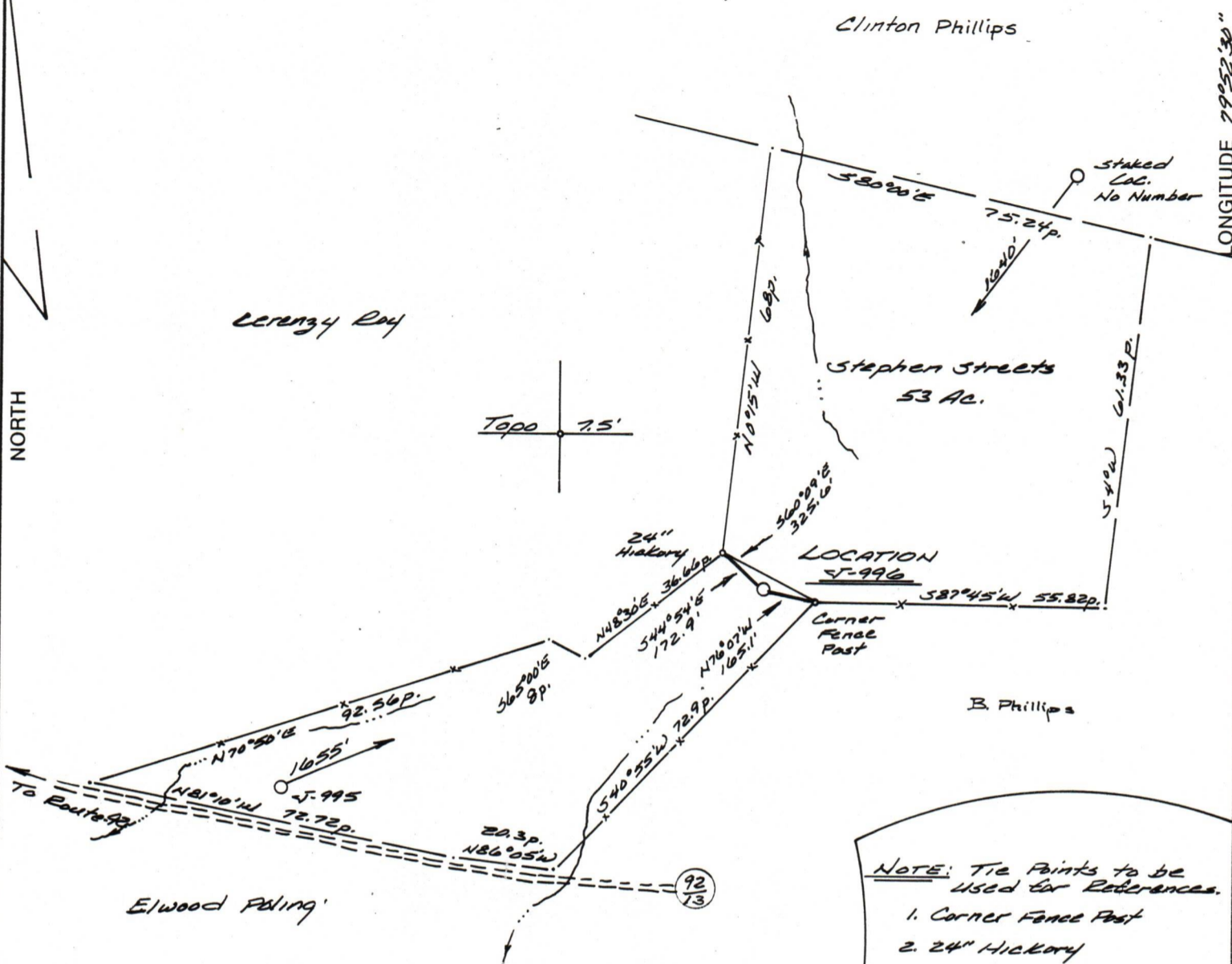
Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the department and the matter will go to determination.

WEST VIRGINIA DEPARTMENT OF MINES

AUG 29 1984

Date received by  
Jurisdictional Agency

By [Signature] Director  
Title \_\_\_\_\_



**NOTE:** Tie Points to be used for References.  
 1. Corner Fence Post  
 2. 24" Hickory

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 346.01  
 DRAWING NO. 84-62  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION Spot El. - 1948 West of Location.

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) Richard S. Reddecliff  
 R.P.E. \_\_\_\_\_ L.L.S. 555  
Buckhannon, WV

PLACE SEAL HERE

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



DATE 19 May, 19 84  
 OPERATOR'S WELL NO. J-996  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW

LOCATION: ELEVATION 1890' WATER SHED Glady Creek  
 DISTRICT Glade COUNTY Barbour  
 QUADRANGLE Nestorville

SURFACE OWNER Stephen Streets ACREAGE 53  
 OIL & GAS ROYALTY OWNER Stephen Streets LEASE ACREAGE 53  
 LEASE NO. J-1627

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 Haverly ESTIMATED DEPTH 5800'  
 WELL OPERATOR J&J ENTERPRISES, INC. DESIGNATED AGENT RICHARD REDDECLIFF  
 ADDRESS P.O. Box 48 ADDRESS P.O. Box 48  
Buckhannon, WV 26201 Buckhannon, WV 26201

FORM IV-6 (8-78)  
 H.T. HALL

COUNTY NAME  
 PERMIT