



1) Date: February 2, 1984, 19\_\_\_\_  
 2) Operator's Well No. J-847  
 3) API Well No. 47 - 001 - 2033  
 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: 1741 Watershed: Brushy Fork  
 District: Cove County: Barbour Quadrangle: Nestorville 7.5
- 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 Forest Festival Terrace Address P.O. Box 48  
Apt. # 24 Elkins, WV 26241 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, Fox
- 12) Estimated depth of completed well, 5500 feet
- 13) Approximate trata depths: Fresh, 200 feet; salt, 0 feet.
- 14) Approximate coal seam depths: 205, 425 Is coal being mined in the area? Yes \_\_\_\_\_

RECEIVED  
 FEB 9 - 1984  
 OIL & GAS DIVISION  
 DEPT. OF MINES

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	23	x		30	0	0 SKS.	Kinds
Fresh water	85/8	ERW	42	x		1200	1200	To surface	NE AT
Coal	85/8	ERW	42	x		1200	1200	To surface	
Intermediate									
Production	4 1/2	J-55	10.5	x		5450	5450	350 sks.	Depths set
Tubing									or as req. by rule 15.01
Liners									
									Perforations:
									Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-001-2033 Date March 5, 1984

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 March 5, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <b>BLANKET</b>	Agent: <u>JA</u>	Plat: <u>MH</u>	Casing <u>MH</u>	Fee <u>1421</u>
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[Signature]  
 Administrator, Office of Oil and Gas

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



OFFICE USE ONLY

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

1) Well No. \_\_\_\_\_ Date: \_\_\_\_\_

2) Operator's Name: \_\_\_\_\_

3) APL Well No. \_\_\_\_\_ State: \_\_\_\_\_ County: \_\_\_\_\_

4) LOCATION: District: \_\_\_\_\_ Elevation: \_\_\_\_\_ Watched: \_\_\_\_\_

5) WELL OPERATOR: Name: \_\_\_\_\_ Address: \_\_\_\_\_

6) DESIGNATED AGENT: Name: \_\_\_\_\_ Address: \_\_\_\_\_

7) DRILLING CONTRACTOR: Name: \_\_\_\_\_ Address: \_\_\_\_\_

8) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: \_\_\_\_\_ Address: \_\_\_\_\_

9) PROPOSED WELL WORK: Plug off old formation \_\_\_\_\_ Perforate new formation \_\_\_\_\_

10) GEOLOGICAL TARGET FORMATION: \_\_\_\_\_

11) Estimated depth of completed well: \_\_\_\_\_ feet

12) Approximate true depth: \_\_\_\_\_ feet

13) Approximate coal seam depth: \_\_\_\_\_ feet

14) Is coal being mined in the area? Yes \_\_\_\_\_ No \_\_\_\_\_

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		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

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

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

BlANKET

1) Date: February 2, 1984  
 2) Operator's Well No. J-847  
 3) API Well No. 47 - 001-2033  
 State County Permit

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OFFICE OF OIL & GAS  
 NOTICE OF APPLICATION FOR A WELL WORK PERMIT

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

(i) Name James & Edith Marsh  
 Address Rt. # 2, Box 646  
 Philippi, WV 26416

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

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

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

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD  
 Name Eastern Associated Coal Corporation  
 Address Koppers Building  
 Pittsburgh, Pa. 15252  
 Name Sarah Mellon Schaife Foundation  
 Address 525 Wm. Penn Place  
 Pittsburgh, Pa. 15219

Henry P. Hoffstot  
 C/O Charleston National Bank  
 Charleston, WV 25301

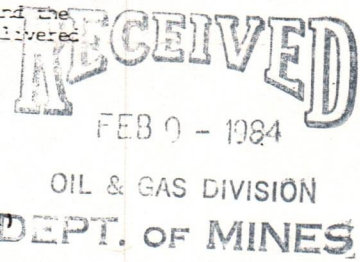
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:  
 Name None  
 Address \_\_\_\_\_

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

- (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.



6) EXTRACTON RIGHTS

Check and provide one of the following:  
 Included in 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 X

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 2 day of February, 1984.

My commission expires 10/16, 1989.

Linda A. Campbell  
 Notary Public, Upshur County,  
 State of West Virginia

WELL OPERATOR J&J Enterprises, INC.

By Richard M. Reddecliff  
 Its Designated Agent  
 Address P.O. Box 48  
 Buckhannon, WV 26201  
 Telephone 472-9403

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</u>	<u>Page</u>
James & Edythe Marsh	J&J Enterprises, Inc.	1/2of1/8of100%	72	53
Herman & Jeanne Poling		1/4of1/8of100%	85	285
Juanita and Bertsel Proudfoot		1/4of1/8of100%	4	250



1) Date: February 2, 1984, 19\_\_  
 2) Operator's Well No. J-847  
 3) API Well No. 47 001  
 State County Permit

**RECEIVED**  
 FEB 22 1984

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

*Noted*  
*mdc 2/17*

- 4) WELL TYPE: A Oil  Gas   
 B (If "Gas", Production  / Underground storage  / Deep  / Shallow  /)
- 5) LOCATION: Elevation: 1741 / Watershed: Brushy Fork  
 District: Cove / County: Barbour / Quadrangle: Nestorville 7.5
- 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 Forest Festival Terrace / Address P.O. Box 48  
Apt. # 24 Elkins, WV 26241 / Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill  / Drill deeper  / Redrill  / Stimulate  /  
 Plug off old formation  / Perforate new formation  /  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Fox
- 12) Estimated depth of completed well, 5500 feet
- 13) Approximate trata depths: Fresh, 200 feet; salt, 0 feet.
- 14) Approximate coal seam depths: 205, 425 Is coal being mined in the area? Yes  / No  /

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	113/4	H-40	23	x		30	0	0 sks.	Kinds
Fresh water	85/8	ERW	42	x		1200	1200	To surface	Sizes
Coal	85/8	ERW	42	x		1200	1200	To surface	Depths set
Intermediate									Perforations:
Production	4 1/2	J-55	10.5	x		5450	5450	350 sks.	Top Bottom
Tubing									
Liners									

**RECEIVED**  
 FEB 22 1984  
 OIL & GAS DIVISION  
 DEPT OF MINES

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 X / 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: Feb 17, 19 84  
 By Richard Reddecliff  
 Its Manager of Properties



1) Date: February 2, 1984, 19\_\_  
 2) Operator's Well No. J-847  
 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**

- 4) WELL TYPE: A Oil \_\_\_\_\_ / Gas x \_\_\_\_\_  
 B (If "Gas", Production x \_\_\_\_\_ / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow x \_\_\_\_\_)
- 5) LOCATION: Elevation: 1741 Watershed: Brushy Fork  
 District: Cova County: Barbour Quadrangle: Nestorville 7.5
- 6) WELL OPERATOR T&T Enterprises, Inc. 7) DESIGNATED AGENT Richard Reddencliff  
 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 Parsons Festival Terrace Address P.O. Box 48  
Apt. # 24 Elkins, WV 26241 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, Fox  
 12) Estimated depth of completed well, 5500 feet  
 13) Approximate trata depths: Fresh, 200 feet; salt, 0 feet.  
 14) Approximate coal seam depths: 205, 425 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>11 3/4</u>	<u>H-40</u>	<u>23</u>	<u>x</u>		<u>30</u>	<u>0</u>	<u>0 sks.</u>	DEPT. OF MINES OIL & GAS DIVISION RECEIVED FEB 14 1984 Bottom
Fresh water	<u>85/8</u>	<u>ERN</u>	<u>42</u>	<u>x</u>		<u>1200</u>	<u>1200</u>	<u>to surface</u>	
Coal	<u>85/8</u>	<u>ERN</u>	<u>42</u>	<u>x</u>		<u>1200</u>	<u>1200</u>	<u>to surface</u>	
Intermediate									
Production	<u>4 1/2</u>	<u>J-55</u>	<u>10.5</u>	<u>x</u>		<u>5450</u>	<u>5450</u>	<u>350 sks.</u>	
Tubing									
Liners									

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.)  
 NAME: \_\_\_\_\_  
 By \_\_\_\_\_  
 Its \_\_\_\_\_ Date \_\_\_\_\_

(For execution by natural persons)  
 \_\_\_\_\_ Date: 2-7-84  
 (Signature)  
 \_\_\_\_\_ Date: 2-7-84  
 (Signature)



**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.

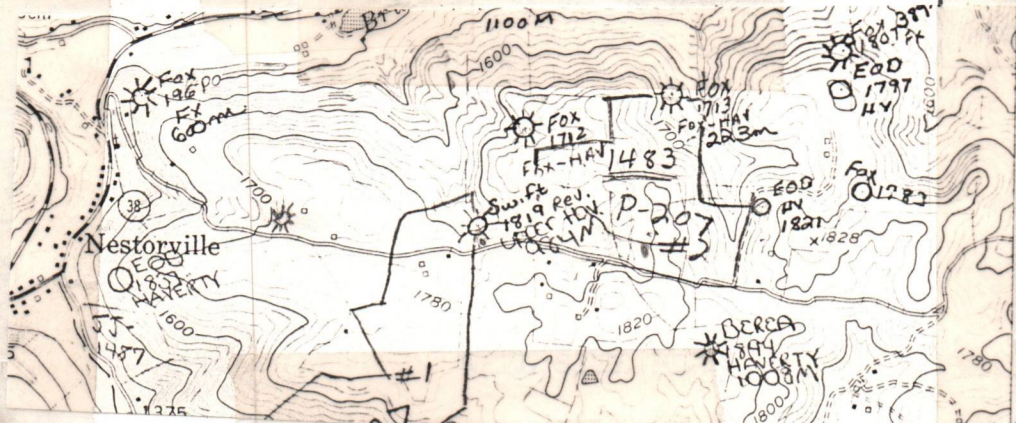
The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- "(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.

ATTACH OR PHOTOCOPY SECTION  
OF INVOLVED TOPOGRAPHIC MAP  
QUADRANGLE: Nestorville



LEGEND

WELL SITE

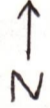
ESS ROAD

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

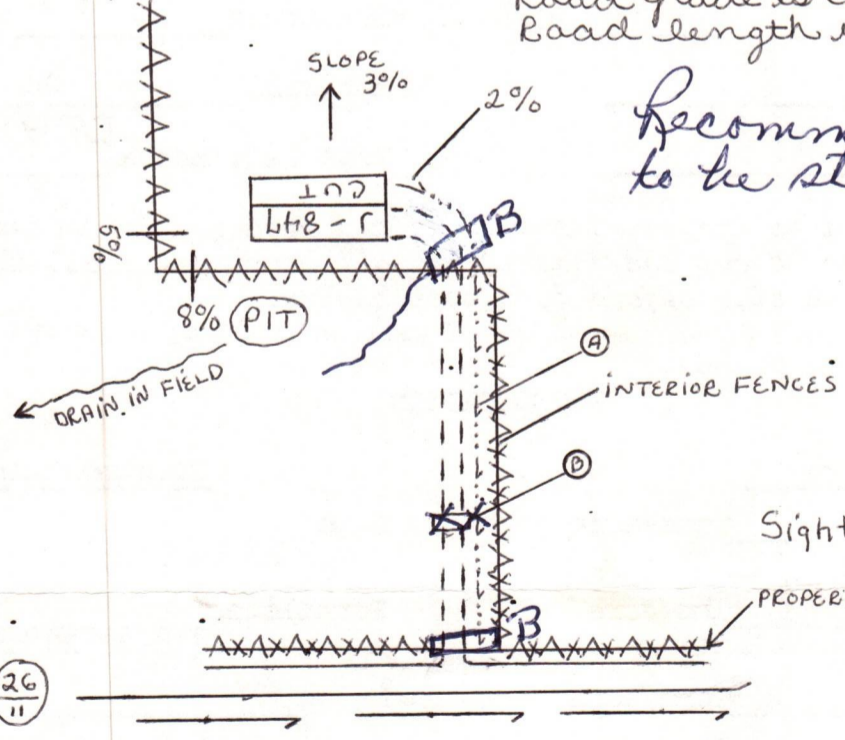
LEGEND

- Property boundary
- Road
- Existing fence
- Planned fence
- Stream
- Open ditch

- Diversion
- Spring
- Wet spot
- Building
- Drain pipe
- Waterway



Location is located in cleared corn field.  
Location grade is 0-7%  
Road grade is 0-2%  
Road length is approx. 450'



Recommend topsoil to be stockpiled

Sight Distance - 150' EAST  
250' WEST

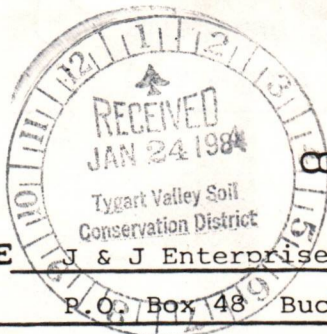
26  
11

Access road will follow up-graded farm road. 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.



State of West Virginia

Department of Mines  
Oil and Gas Division



CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME J & J Enterprises, Inc.

DESIGNATED AGENT Richard Reddecliff

Address P.O. Box 48 Buckhannon, WV 26201

Address P.O. Box 48 Buckhannon, WV

Telephone 472-9403

Telephone 472-9403

LANDOWNER James E. Marsh Rt. # 2, Box 646  
Philippi, WV 26416

SOIL CONS. DISTRICT Tygarts 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: 1/30/84

(Date)

Jean Freeman  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Drainage Ditch (A)

Structure Diversion Ditch

Spacing To be constructed along road

Material Soil

Page Ref. Manual 2-10

Page Ref. Manual 2-12

Structure Road Culvert (B)

Structure \_\_\_\_\_

Spacing Minimum 15"

Material \_\_\_\_\_

Page Ref. Manual 2-8

Page Ref. Manual \_\_\_\_\_

Structure \_\_\_\_\_ (C)

Structure \_\_\_\_\_

Spacing \_\_\_\_\_

Material \_\_\_\_\_

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 I

Treatment Area II

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

Annual Rye 10 lbs/acre

Annual Rye 10 lbs/acre

Red Clover 5 lbs/acre

Red Clover 5 lbs/acre

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

\* Lime according to PH test

PLAN PREPARED BY Ed Summerfield

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

ADDRESS P.O. Box 48

Buckhannon, WV 26201

PHONE NO. 472-9403

471 414 328

RECEIPT FOR CERTIFIED MAIL  
NO INSURANCE COVERAGE PROVIDED -  
NOT FOR INTERNATIONAL MAIL

(See Reverse) 19-847

PS Form 3800, Feb. 1982

Sent to	James M. Bush	
Street and No.	Box 646	
P.O., State and ZIP Code	Phillippi, WV 26446	
Postage	\$	3.37
Certified Fee		95
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt Showing		60
Return Receipt Showing to whom		
Date, and Address of Return		
TOTAL	\$	17.27
Postmaster's Office	J & J ENTERPRISES, INC. P.O. Box 48 BUCKHANNAN, WV 26201	

RECEIVED

FEB 9 - 1984

OIL & GAS DIVISION  
DEPT. OF MINES

471 414 330

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED - NOT FOR INTERNATIONAL MAIL

(See Reverse)

9-842

PS Form 3800, Feb. 1982

Sent to	Howard P. Hylsted	
Street and No.	Charles W. DeWitt Blvd	
P.O., State and ZIP Code	Charleston WV 25301	
Postage	\$ 32	75
Certified Fee		
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		\$ 1.72

Postmark of **DAK**  
**FEB 9 1984**  
**J & J STEEL SERVICES, INC.**  
**BUCKHANNON, WV 26201**

**RECEIVED**  
 FEB 9 - 1984  
 OIL & GAS DIVISION  
 DEPT. OF MINES

4771  
414 329

RECEIPT FOR CERTIFIED MAIL  
NO INSURANCE COVERAGE PROVIDED -  
NOT FOR INTERNATIONAL MAIL

(See Reverse) 9-842

PS Form 3800, Feb. 1982

Sent to	Dale H. Miller, Sheriff	
Street and No.	Parr Place	
P.O., State and ZIP Code	Pittsburgh, Pa. 15219	
Postage	\$ 30	
Certified Fee	.25	
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 AMOUNT PAID		\$ 1.92

Post Office of D. H. B. Enterprises, Inc.  
J. B. Enterprises, Inc.  
P. 10040X 48  
BUCKHANNON, WV 26201

RECEIVED

FEB 9 - 1984

OIL & GAS DIVISION  
DEPT. OF MINES

477  
414 331

RECEIPT FOR CERTIFIED MAIL  
NO INSURANCE COVERAGE PROVIDED—  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

7-817

PS Form 3800, Feb. 1982

Sent to	Eastern Petroleum Corp	
Street and No.	10000 Bickley	
P.O., State and ZIP Code	Pittsburgh, PA 15227	
Postage	\$ 32	75
Certified Fee		
Special Delivery Fee		
Restricted Delivery Fee	160	
Return Receipt Showing		
to whom and Date Delivered		
Return Receipt Showing to whom		
Date, and Address of Delivery		
TOTAL Postage and Fees	\$ 172	
Postmark	BUNNARDIN, WV 16201	

J & K BUNNARDIN, INC.  
P.O. BOX 100  
BUNNARDIN, WV 16201

RECEIVED  
FEB 9 - 1984

OIL & GAS DIVISION  
DEPT. OF MINES

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

Haverty: Perforations: 5362-65 (12 holes) Fracturing: 200 sks. 20/40 sand: 350 Bbls. fluid.  
 Elks: Perforations: 4568-70(3 holes) 4598-99(3 holes) 4864-65(2 holes)5039 (8 holes)  
 st ELk: Perforations: 4358-62 (6 holes) 4373-76(6 holes) Fracturing: 210 lbs. 20/40 sand:500 gal.  
 acid: 400 Bbls. fluid.  
 Benson & Riley: Perforations: 3968-70 (4 holes) 4154-58 ( 8 holes)  
 Fracturing: 400 sks. 20/40 sand:500 gal. acid:400 Bbls. fluid.  
 Balltown: Perforations: 3308-11 (7 holes) 3327-30 (7 holes) Fracturing: 400 sks. 20/40 sand:  
 500 gal. acid:300 Bbls. fluid.

BOTTOM HOLE PRESSURE  $P_f = P_{we} \frac{XGLS}{1} \frac{1}{1} \frac{1}{1}$   
 $t=60 + (5516)(0.0075) + 459.7 = 561$   $X=53.34$   $T = 53.34(561) = 29923 = 0.0000334$   $P_f = (1400)(2.72)$   
 $(0.0000334)(0.650)(4336.5)(0.9) P_f = (1400)(2.72) = (1400)(1.088)$   
 $P_f = 1523$  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			0	95	
Brown sand			95	105	1/2" stream @ 260'
Sandy shale & red rock			105	160	
Sandy shale			160	501	1/2" stream @ 1245'
Coal			501	505	
Sandy shale & sand			505	675	Damp @ 1770'
Sand & sandy shale			675	1025	
Sand, sandy shale & red rock			1025	1175	1" stream @ 1860'
Sand			1175	1425	
Little Lime			1425	1440	Gas ck @ 2600 No show
Big Lime			1440	1520	
Sand & sandy shale			1520	1850	Gas ck @ 3334 No show
Sand, red rock & shale			1850	3308	
Balltown			3308	3330	Gas ck @ 4224 No show
Sandy shale & sand			3330	3968	
Benson			3968	3970	Gas ck @ 5471 No show
Sandy shale & sand			3970	4154	
Riley			4154	4158	Gas ck @ Drill Collars No show
Sandy shale and sand			4158	4358	
1st ELk			4358	4376	
Sandy shale & sand			4376	4568	
ELks			4568	5039	
Sandy shale & sand			5039	5362	
Haverty			5362	5365	
Sand & sandy shale			5395	5748	
					T.D.

(Attach separate sheets as necessary)

J&J Enterprises, Inc.

Well Operator

By: 

Date: 7/18/84

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."



IV-35  
(Rev 8-81)

RECEIVED

JUL 19 1984

State of West Virginia

Department of Mines  
Oil and Gas Division

Date July 18, 1984

Operator's Well No. J-847

Farm James Marsh

API No. 47 - 001 - 2033

OIL & GAS DIVISION  
DEPT. OF MINES

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: 1741 Watershed Brushy Fork  
District: Cove 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 James E. Marsh

ADDRESS Rt. # 2, Box 646, Philippi, WV 26416

MINERAL RIGHTS OWNER Same as surface

ADDRESS

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

PERMIT ISSUED 3/5/84

DRILLING COMMENCED 4/30/84

DRILLING COMPLETED 5/7/84

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"	39.80	39.80	0 sks.
9 5/8			
8 5/8	1259.40	1259.40	300 sks.
7			
5 1/2			
4 1/2	5516.15	5516.15	600 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Fox Depth feet

Depth of completed well 5748 feet Rotary x / Cable Tools

Water strata depth: Fresh 260,1245 feet; Salt 0 feet

Coal seam depths: 501-05 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Haverty Pay zone depth 5362-65 feet

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

Combined Final open flow 539 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1400 psig (surface measurement) after 96 hours shut in

(If applicable due to multiple completion--)

Balltown 4568-5039

4358-4376

Second producing formation Elk, Benson, Riley & Pay zone depth 3968-4158 feet

3308-3330

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 2033

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

RECEIVED

MAY 2 - 1954

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

INSPECTOR'S WELL REPORT

Permit No. 601-2033

Company J & J Enterprise

Address \_\_\_\_\_

Farm James Marshall

Well No. 847

District Cove County Barbar

Drilling commenced \_\_\_\_\_

Drilling completed \_\_\_\_\_ Total depth \_\_\_\_\_

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 _____
8 1/4			
6 5/8			Depth set _____
5 3/16			
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 \_\_\_\_\_

Remarks: Wary sig

4-27-84  
DATE

Philip Long  
DISTRICT WELL INSPECTOR



Form 40  
2/16/82

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  
MAY 9 - 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 001-2033

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

Company J & J Enterprises  
 Address \_\_\_\_\_  
 Farm James Marsh  
 Well No. J 847  
 District Cerce County Barbour  
 Drilling commenced \_\_\_\_\_  
 Drilling completed \_\_\_\_\_ Total depth 300  
 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 _____
8 1/4			
6 3/8			Depth set _____
5 3/16			
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 \_\_\_\_\_  
 Remarks: \_\_\_\_\_

4-30-84  
DATE

Phillip Dwyer  
DISTRICT WELL INSPECTOR

FORM NO  
2/16/82

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: \_\_\_\_\_

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

DISTRICT WELL INSPECTOR

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

RECEIVED  
MAY 16 1984

INSPECTOR'S WELL REPORT  
OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 001-2033

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

Company J & J Enterprises  
 Address \_\_\_\_\_  
 Farm James Marshall  
 Well No. J 847  
 District Cove County Barbour  
 Drilling commenced \_\_\_\_\_  
 Drilling completed \_\_\_\_\_ Total depth 5748  
 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 _____
8 1/4			
6 5/8			Depth set _____
5 3/16			
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 \_\_\_\_\_

Remarks: D.R. Well

5-7-84

DATE

Phillip Long

DISTRICT WELL INSPECTOR

FORM 20  
2/16/82

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

RECEIVED

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: \_\_\_\_\_

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

DISTRICT WELL INSPECTOR

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

RECEIVED

MAY 9 - 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. of MINES  
(KIND)

Permit No. 001-2033

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>J &amp; J Enterprises</u>	Size			
Address _____	16			Kind of Pacler _____
Farm <u>James Marsh</u>	13			
Well No. <u>847</u>	10			Size of _____
District <u>Cove</u> County <u>Barbour</u>	8 1/4	<u>1259</u>	<u>1259</u>	<u>300 Sh. cut.</u>
Drilling commenced _____	6 5/8			Depth set _____
Drilling completed _____ Total depth <u>1300</u>	5 3/16			
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 _____ SIZE _____ No. FT. _____ 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: \_\_\_\_\_

5-2-84  
DATE

Phillip Dwyer  
DISTRICT WELL INSPECTOR

Form 20  
2/16/82

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: \_\_\_\_\_

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

DISTRICT WELL INSPECTOR



State of West Virginia

Department of Mines

Charleston 25305

May 2, 1984

JOHN D. ROCKEFELLER, IV.  
Governor

WALTER N. MILLER  
Director

J & J Enterprises, Inc.  
P.O. Box 48  
Buckhannon, W.Va. 26201

In Re: Permit No.	<u>001-2033</u>
Farm:	<u>James &amp; Edith Marsh</u>
Well No:	<u>J-847</u>
District:	<u>Cove</u>
County:	<u>Barbour</u>
Issued	<u>3-5-84</u>

Gentlemen:

Please send an original and two copies of the completion drilling record for the above described well location. This record must be submitted before we can request the district inspector to make a "Final Inspection".

Administrative Regulations - Rule 16.02 Filing of Well Record and Related Forms.

(a) Within 90 days after the completion of permitted work, three copies of Form IV-35, "Well Operator's Report of Drilling, Fracturing and/or Stimulating or Physical Change", containing the geological information required by Code 22-4-8b in the form specified . . . . . shall be filed with the Administrator, Office of Oil & Gas-Dept. Mines.

Sincerely,

Theodore M. Streit  
Administrator-Oil & Gas

TMS/chm





FERC-121

1.0 Art well number (If not available, leave blank. 14 digits.)	47-001-2033			
2.0 Type of determination being sought. (Use the codes found on the front of this form.)	103 Section of NGPA	n/a Category Code		
3.0 Depth of the deepest completion location. (Only used if sections 103 or 107 in 2.0 above.)	5039 feet			
4.0 Name, address and code number of applicant. (35 letters per line maximum. If code number not available, leave blank.)	J & J Enterprises, Inc. P.O. Box 697 Indiana, PA 15701		009480 Seller Code	
5.0 Location of this well. (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	Cove Barbour County WV		Field Name State	
(b) For OCS wells	N/A Area Name		Block Number	
(c) Name and identification number of this well. (35 letters and digits maximum)	J-847			
(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.)	Tennessee Gas Pipeline Company		Buyer Code	
(b) Date of the contract:	Mo. Day Yr.			
(c) Estimated annual production:	MMcf.			
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price (As of filing date. Complete to 3 decimal places.)	2.909	278		3190
8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.)	2.909	278		3190
9.0 Person responsible for this application	Richard J. Kline Secretary			
Agency Use Only Date Received by Juris. Agency JUL 30 1984 Date received by FERC	Name Richard J. Kline Signature 7-24-84 Date application is Completed	Title Secretary (412) 349-6800 Phone Number		

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:

<u>Section of NGPA</u>	<u>Category Code</u>	<u>Description</u>
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:

<u>Contract Date</u> (Mo. Day Yr.)	<u>Purchaser</u>	<u>Buyer Code</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Remarks:

APR 10 1982

OPERATOR:

DATE: AUG 16 1984

BUYER-SELLER C

OPERATOR:

J & J Enterprises, Inc.

PURCHASER:

Tennessee Gas Pipeline Co.

ER:

Va. Department of Mines, Oil & Gas Division  
WELL DETERMINATION FILE NUMBER

840730-103-001 - 2033

QUALIFIED

Use Above File Number on all Communications  
Relating to Determination of this Well

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? \_\_\_\_\_

10. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? \_\_\_\_\_ Affidavit Signed \_\_\_\_\_

11. Other: Survey \_\_\_\_\_ Logs \_\_\_\_\_ Geological Charts \_\_\_\_\_  
 Structure Map \_\_\_\_\_ 1: 4000 Map \_\_\_\_\_ Well Tabulations \_\_\_\_\_  
 Gas Analyses \_\_\_\_\_

12. Date commenced: \_\_\_\_\_ Date completed \_\_\_\_\_ Deepened \_\_\_\_\_

13. Production Depth: \_\_\_\_\_

14. Production Formation: \_\_\_\_\_

15. Final Open Flow: \_\_\_\_\_

16. After Frac. R. P. \_\_\_\_\_

17. Other Gas Test: \_\_\_\_\_

18. Avg. Daily Gas from Annual Production: \_\_\_\_\_

19. Avg. Daily Gas from 90-day ending w/1-120 days \_\_\_\_\_

20. Line Pressure: \_\_\_\_\_

21. Oil Production \_\_\_\_\_ From Completion Record \_\_\_\_\_

22. Does lease inventory indicate enhanced recovery being done? \_\_\_\_\_

23. Is affidavit signed? \_\_\_\_\_ Notarized? \_\_\_\_\_

24. Official well record with the Department confirm the submitted information? \_\_\_\_\_

25. Additional information \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_

26. Information checked to \_\_\_\_\_ by whom? \_\_\_\_\_

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

Date July 24, 1984  
Operator's Well No J-847  
API Well No 47 - 001 - 2033  
State 47 - County Barbour - Permit 2033

WELL CLASSIFICATION FORM  
NEW ONSHORE PRODUCTION WELL  
NGPA Section 103

DESIGNATED AGENT James R. Willett  
ADDRESS S.W. Jack Drilling Company  
Box 48 Buckhannon, W. VA. 26201  
LOCATION: Elevation 1741  
Watershed Brushy Fork  
Dist. Coe County Barbour Quad Pestoville  
Gas Purchase Contract No. \_\_\_\_\_  
Meter Chart Code \_\_\_\_\_  
Date of Contract \_\_\_\_\_

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

\* \* \* \* \*

Date surface drilling was begun: April 30, 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  $Pf = P_{we} \times GLS \frac{1}{1} \frac{1}{1}$   
 $t = 60 + (5516)(0.0075) + 459.7 = 561$   $X = 53.34$   $T = 53.34(561) = 29923$   $= 0.0000334$   $Pf = (1400)(2.72)$   
 $(0.0000334)(0.650)(4336.5)(0.9)$   $Pf = (1400)(2.72)$   $(0.0847) = (1400)(1.088)$   
 $Pf = 1523$  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 24 day of July, 1984, has acknowledged the same before me, in my county aforesaid Given under my hand and official seal this 24 day of July, 1984  
My ~~XXXXXXXXXX~~ expires on the 23 day of January, 1988  
Commission

Vicki L. Vanderberg  
Notary Public

[NOTARIAL SEAL]



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

100  
100

100  
100

Richard K. ...

2000 ...  
1000 ...  
1000 ...  
1000 ...  
1000 ...



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

Date July 24, 1984

Operator's Well No. J-847

API Well No. 47 - 001-2033  
State County

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. (If Applicable)

WELL OPERATOR J & J Enterprises, Inc.

DESIGNATED AGENT James R. Willett

ADDRESS Box 697  
Indiana, PA 15701

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

Category Code

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

Richard J. Kline  
Name (Print)

Secretary  
Title

Richard J. Kline  
Signature

P. O. Box 697

Street or P. O. Box

Indiana PA 15701

City State (Zip Code)

912 349-6800

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 (NCPA);  for determination that increased production is the result of enhanced recovery technology under Section 108 of (NCPA);  or for determination of a seasonally affected well under Section 108 of (NCPA).

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 (NCPA). 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

JUL 30 1984

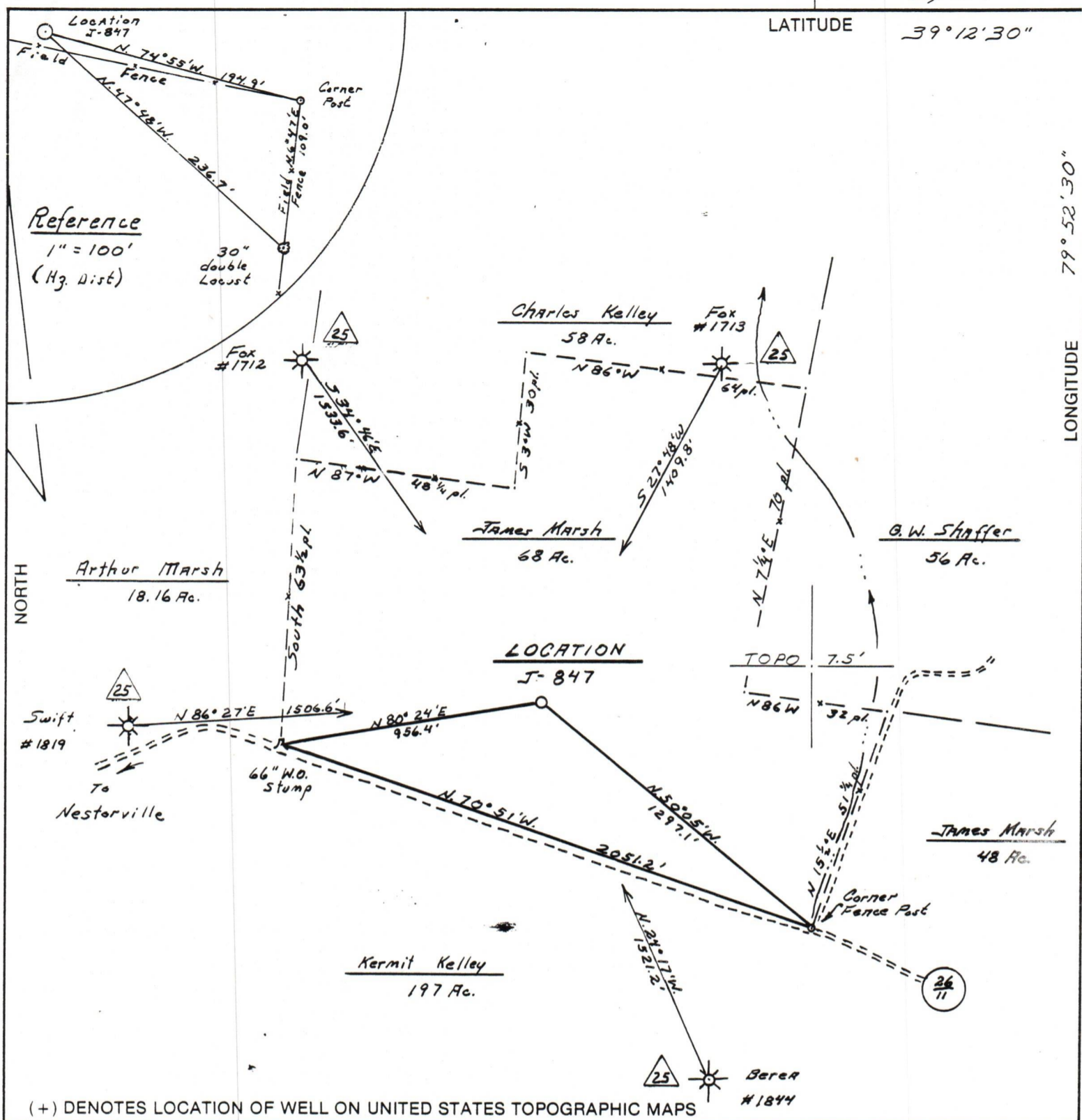
by [Signature]  
Title \_\_\_\_\_

Date received by  
Jurisdictional Agency

3,950'

LATITUDE 39°12'30"

LONGITUDE 79°52'30"



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

FILE NO. 346.01  
 DRAWING NO. 84-1  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION Spot El. 1828 Hill top S.E. 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. Ostrander  
 R.P.E. \_\_\_\_\_ L.L.S. 555  
Buckhannon, WV

PLACE SEAL HERE

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



DATE 11 JANUARY, 19 84  
 OPERATOR'S WELL NO. J-847  
 API WELL NO. \_\_\_\_\_

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

LOCATION: ELEVATION 1741' WATER SHED Brushy Fork  
 DISTRICT Cove COUNTY Barbour  
 QUADRANGLE Nestorville 7.5'

SURFACE OWNER James Marsh ACREAGE 70%  
 OIL & GAS ROYALTY OWNER J. Marsh 1/2; H. Peling 1/4; J. Proedfoot 1/4 LEASE ACREAGE 70%  
 LEASE NO. JJ 1483

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 Fox ESTIMATED DEPTH 5500'

WELL OPERATOR J&J Enterprises, Inc. DESIGNATED AGENT Richard Reddecliff  
 ADDRESS P.O. Box 48 ADDRESS PO Box 48  
Buckhannon, W. Va. 26201 Buckhannon, W. Va. 26201

FORM IV-6 (8-78)

COUNTY NAME PERMIT