



1) Date: March 23, 19 84  
 2) Operator's Well No. J-941  
 3) API Well No. 47 - 001 - 2048  
 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: 1603' Watershed: Ryans Run to Sugar Creek  
 District: Glade County: Barbour Quadrangle: Nestorville
- 6) WELL OPERATOR J&J Enterprises, Inc. 7) DESIGNATED AGENT Richard Reddecliff  
 Address PO Box 48 Address PO 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 PO 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, 5500' feet  
 13) Approximate trata depths: Fresh, 150' feet; salt, 1100' feet.  
 14) Approximate coal seam depths: 125 and 175' 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		1400	1400	To surface	
Coal	8 5/8	ERW	23	X		1400	1400	To surface	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	X		5500	5500	350 sks.	Depths set as req. by
Tubing									Rule 15.01
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-001-2048 Date May 8, 19 84

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 8, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>BB</u>	<u>OK</u>	<u>T.S</u>	<u>T.S</u>	<u>1508</u>

[Signature]  
 Administrator, Office of Oil and Gas

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

File



OFFICE USE ONLY

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

Form fields for well location, operator, contractor, and proposed work details.

Table with columns for casing and tubing program, including casing type, size, weight, and length.

OFFICE USE ONLY

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

Table with columns for Date and Date(s) for various events: Application received, Well work started, Completion of the drilling process, Well Record received, Reclamation completed.

OTHER INSPECTIONS

Form for recording other inspections with columns for Reason, Agent, and other details.

1) Date: April 19, 19 84  
2) Operator's Well No. J-941  
3) API Well No. 47 - 001-2048  
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 Ira & Wilda Sturm  
Address Rt. # 2, Box 63  
Philippi, WV 26416  
(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 Pittsburgh, Pa.

Name \_\_\_\_\_  
Address \_\_\_\_\_

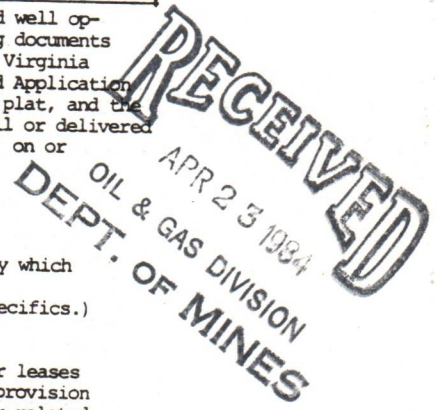
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name Grafton Coal Company  
Address Hills Plaza  
Bridgeport, WV 26330

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.



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 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 19 day of April, 19 84.  
My commission expires 10/16, 19 89.

Linda S. Canfield  
Notary Public, Upshur County,  
State of West Virginia

WELL OPERATOR J&J Enterprises, Inc.

By Richard H. 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>
Ira & Wilda Sturm	Beckler Energy	All of 1/8-100%	98	146
Beckler Energy, Inc. Assignment	J&J Enterprises, Inc.		99	537



1) Date: March 22, 19 84  
 2) Operator's Well No. 1-041  
 3) API Well No. 47 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: 1603' Watershed: Ryans Run to Sugar Creek  
 District: Glade County: Barbour Quadrangle: Nestorville
- 6) WELL OPERATOR I & J Enterprises, Inc. 7) DESIGNATED AGENT Richard Reddecliff  
 Address PO Box 48 Address PO 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 PO 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, Haverly  
 12) Estimated depth of completed well, 5500' feet  
 13) Approximate strata depths: Fresh, 150' feet; salt, 1100' feet.  
 14) Approximate coal seam depths: 125 and 175' 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	13/4"	40	42	X		30	0	0 ska.	DEPT. OF MINES DIVISION APR 04 1984 RECEIVED Kinds Sizes Depths set Perforations: Top Bottom
Fresh water	5/8"	RV	23	X		1400	1400	To surface	
Coal	5/8"	RV	23	X		1400	1400	To surface	
Intermediate									
Production	4"	J-55	11.5	X		5500	5500	350 ska.	
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.)

(For execution by natural persons)

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

Welda Sturm Date: 3/31/84  
 (Signature)  
Ira L. Sturm Date: 3/31/84  
 (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.

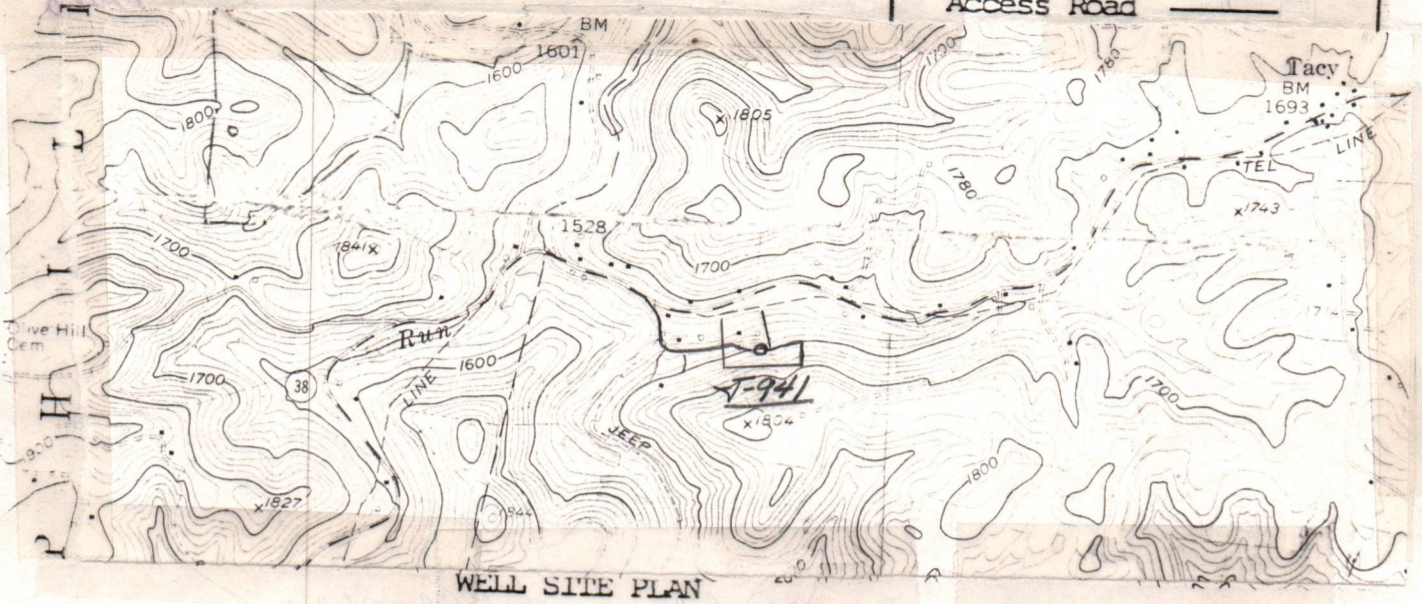
**List of Water Testing Laboratories.** The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE NESTORVILLE

LEGEND

Well Site ⊕

Access Road ———



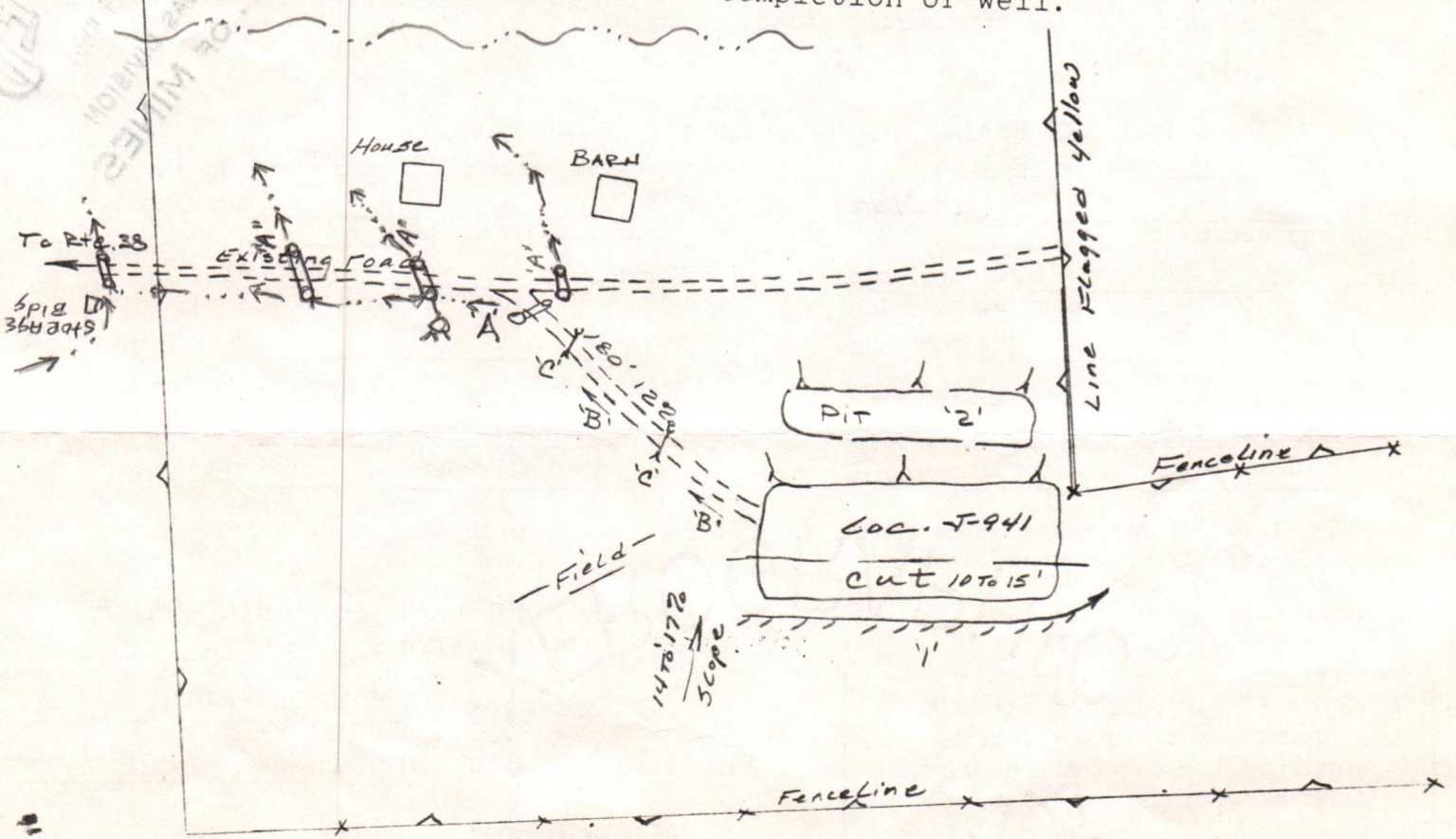
WELL SITE PLAN

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

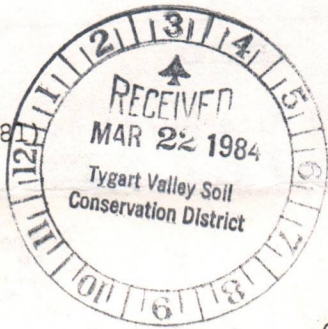
LEGEND

Property boundary	———▲———	Diversion	//////
Road	== == == ==	Spring	○→
Existing fence	—x—x—	Wet spot	♂
Planned fence	—/—/—	Building	■
Stream	~~~~~	Drain pipe	—○—○—○—
Open ditch	—>>>>—>>>>—>>>>—	Waterway	←≡≡≡≡→

- 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.



IV-9  
(Rev 8-8)



DATE March 21, 1984  
WELL NO. J-941  
API NO. 47-001-2048

State of West Virginia  
Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

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

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

LANDOWNER Wilda Sturm  
Revegetation to be carried out by J&J Enterprises, Inc.

SOIL CONS. DISTRICT Tygart Valley  
(Agent)

This plan has been reviewed by Tygart Valley SCD. All corrections  
and additions become a part of this plan: 3/25/84  
(Date)

Jean Freeman  
(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>Culverts</u> (A)	Structure <u>Diversion Ditch</u> (1)
Spacing <u>AS Shown and As Needed</u> (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> the access road.	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>	Material <u>Soil</u>
Page Ref. Manual <u>2-4</u>	Page Ref. Manual <u>-----</u>

All structures should be inspected regularly and repaired if necessary.  
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

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\* Ky-31 Tall Fescue 30 lbs/acre  
Annual Rye 5 lbs/acre  
Red Clover 10 lbs/acre

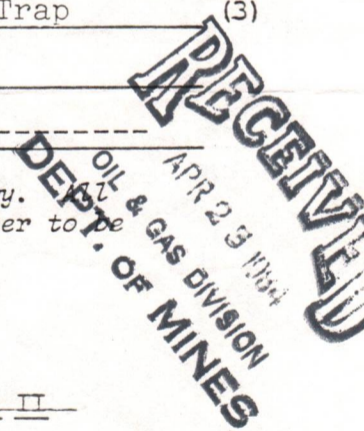
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Seed\* Ky-31 Tall Fescue 30 lbs/acre  
Annual Rye 5 lbs/acre  
Red Clover 10 lbs/acre

\*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

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


ADDRESS Rt. 2, Box 375-6  
Buckhannon, WV 26201  
PHONE NO. 304-472-0817




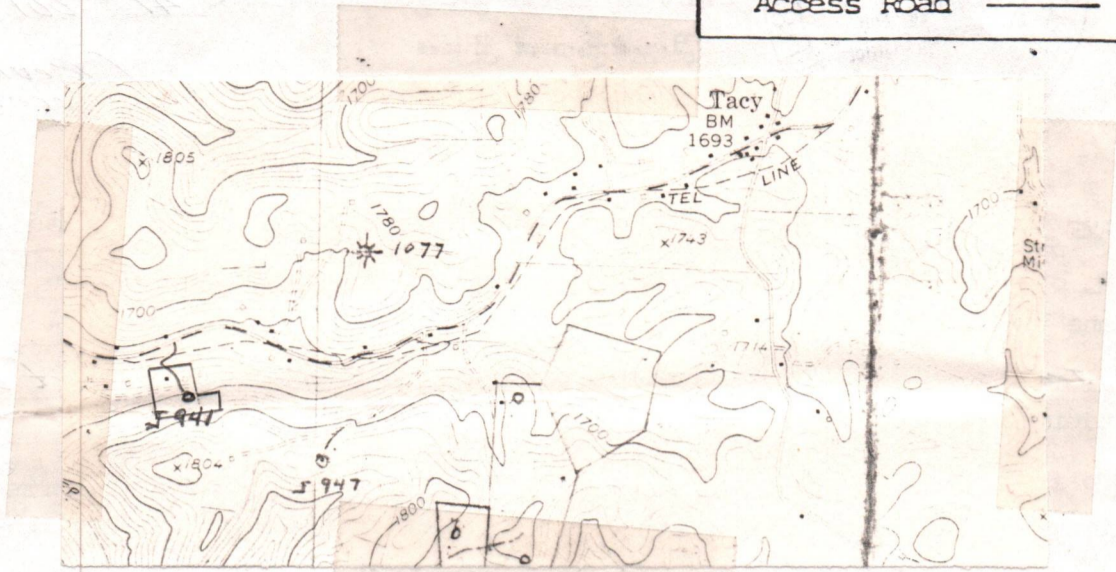


ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE NESTORVILLE

**LEGEND**

Well Site 











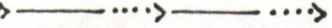

Access Road 



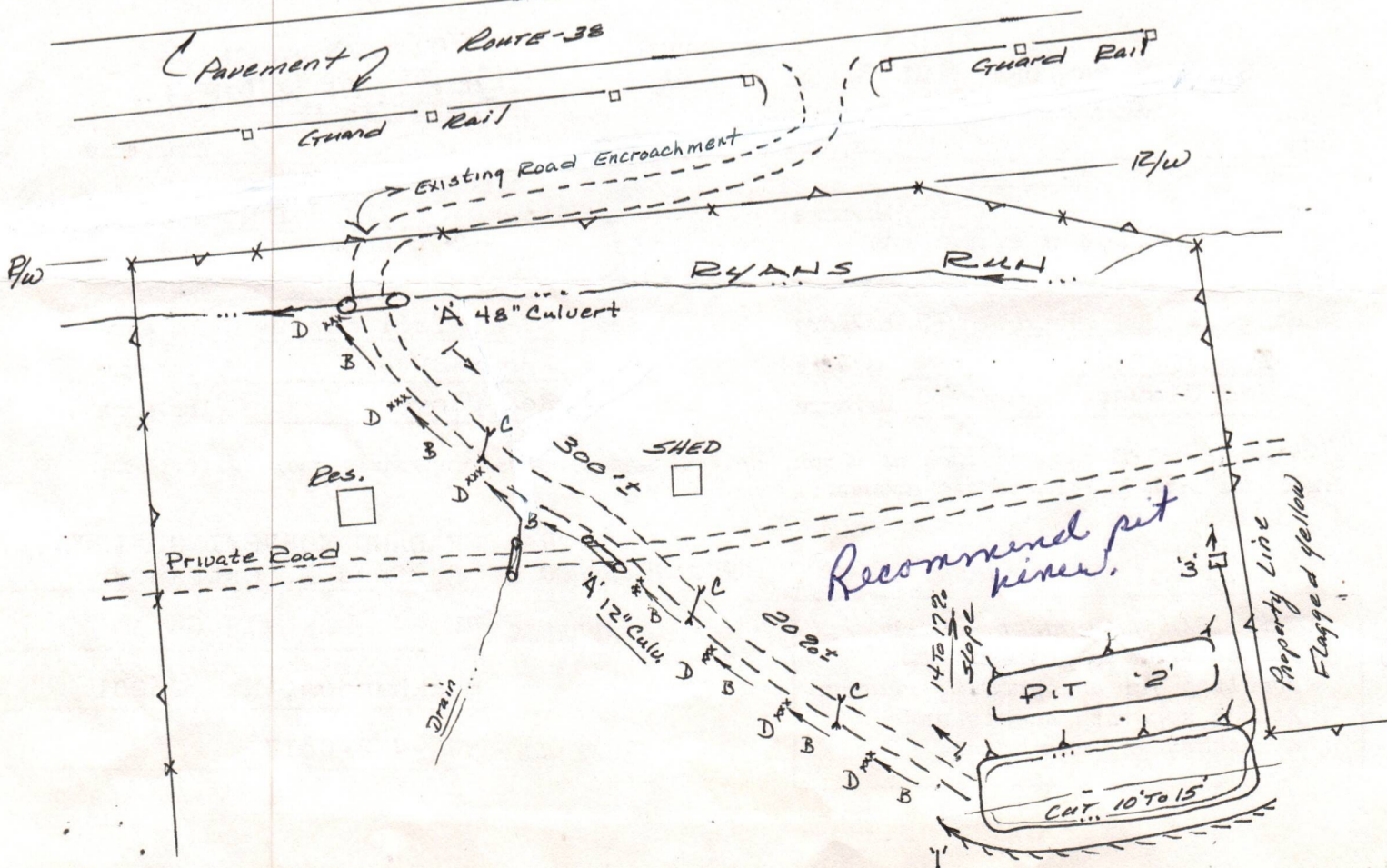
WELL SITE PLAN

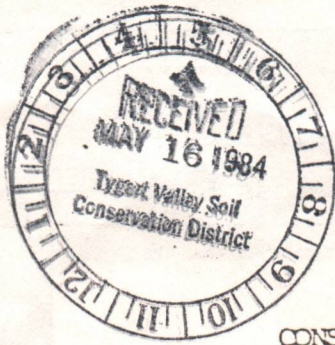
Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

**LEGEND 'D' - Water Velocity Barriers**

Property boundary 	Diversion 
Road 	Spring 
Existing fence 	Wet spot 
Planned fence 	Building 
Stream 	Drain pipe 
Open ditch 	Waterway 

- Top soil to be stock piled.
- 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.





State of West Virginia  
Department of Mines  
Oil and Gas Division

DATE 15 May 1984  
WELL NO. T-941  
API NO. 47-001-2048

(Revised Access Road)

CONSTRUCTION AND RECLAMATION PLAN

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

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

LANDOWNER Ira & Wilda Sturm  
Revegetation to be carried out by \_\_\_\_\_

SOIL CONS. DISTRICT Tygart Valley  
J&J Enterprises, Inc. (Agent)

This plan has been reviewed by Tygart Valley SCD. All corrections and additions become a part of this plan: 5/19/84

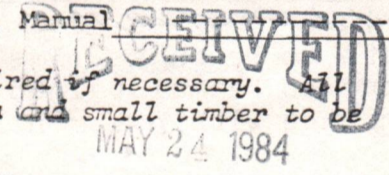
(Date)  
Jean Freeman  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure <u>Culverts</u> (A)	Structure <u>Diversion Ditch</u> (1)
Spacing <u>AS Shown and As Needed</u> (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> <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> <u>10%- 80' 20%-45'</u>	Material <u>Soil</u>
Page Ref. Manual <u>2-4</u>	Page Ref. Manual <u>-----</u>

WATER VELOCITY BARRIERS (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.



WOODS & PASTURE FIELD  
Treatment Area I

REVEGETATION

OIL & GAS DIVISION  
DEPT. OF MINES  
Treatment Area II

Line 3 Tons/acre  
or correct to pH 6.5  
Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch 2 Tons/acre  
Seed \*Ky-31 Tall Fescue 30 lbs/acre  
Annual Rye 5 lbs/acre  
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(10-20-20 or equivalent)  
Mulch 2 Tons/acre  
Seed Ky-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.

AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

STATE OF W. Va.,  
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. J-941 located in Glade District, Barbours County, West Virginia, upon the person or organization named--

Ira & Wilda Strum

--by delivering the same in Barbours County, State of W. Va. on the 16 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 16 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 \_\_\_\_\_.

Edward D. Summelfeld  
(Signature of person executing service)

Taken, subscribed and sworn before me this 25<sup>th</sup> day of May, 1984.  
My commission expires March 9, 1992.

Lois A. Simpkins  
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

DEPT. OF MINES  
OIL & GAS DIVISION  
APR 23 1984  
**RECEIVED**

P 534 410 811

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

-T-941

Sent to	Wilda & Ira Sturm
Street and No.	Rt. 2, Box 63
P.O., State and ZIP Code	Phillippi, WV 26416
Postage	\$37
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	X
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$172
Postmark or Date	MAR 28 1984 WV

PS Form 3800, Feb. 1982

★ U.S.G.P.O. 1983-403-517

P 471 414 382

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED—  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Q-941

Sent to	Hillman Coal & Coke Co.
Street and No.	170 Thompson Dr.
P.O., State and ZIP Code	Bridgport, WV 26330
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	7.52
Postmark or Date	APR 12 1984 WV

PS Form 3800, Feb. 1982

P 534 410 812

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

-T-941

Sent to	Grafton Coal Co.
Street and No.	Hill's Plaza
P.O., State and ZIP Code	Bridgport, WV 26330
Postage	\$37
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	X
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$172
Postmark or Date	MAR 28 1984 WV

PS Form 3800, Feb. 1982

★ U.S.G.P.O. 1983-403-517

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

Haverty: Perforations: 5141-5174 (14 holes) 5269-70(3 holes)  
Fracturing: 400 sks. 20/40 sand: 105 sks. 80/100 sand; 450 Bbls. fluid,  
3rd Elk: Perforations: 4722-25 (12 holes)  
Fracturing: 200 sks. 20/40 sand:500gal acid:255 Bbls. fluid.  
1st. Elk: Perforations: 3985-87 (5 holes)4099-4102 (7 holes)  
Fracturing: 400 sks. 20/40 sand:500 gal. acid: 570 Bbls. fluid.

BOTTOM HOLE PRESSURE  $P_f = P_{we}^{XGLS}$  (0.000033)  
 $t = 60 + (0.0075 \times 53.53) + 459.7 = 560$   $X = \frac{1}{53.35} \times 560 = \frac{1}{29868} = 0.000033$   $P_f = 1700 \times 2.72$   
 $(0.650)(4580)(0.9) = 1700 \times 2.72 \times 0.09 = 1700 \times 1.09$   
 $P_f = 1860$  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
Fill			0	5	
Clay, sand & shale			5	25	1" stream @ 40'
Coal			25	27	
Shale			27	70	1/2 " stream @ 1125
Coal			70	72	
Shale & sand			72	165	Gas ck @ 2738 No show
White sand			165	358	
Shale & sand			358	450	
Dark shale & sand			450	495	Gas ck @ 4335 10/10-1/2" w/water 5,953 cu.ft.
Red rock, shale & sand			495	725	
Sand, red rock & shale			725	915	
Shale & red rock			915	950	Gas ck @ T.D. 30/10-1/2" w/water 10,309 cu.ft.
Little Lime			950	950	
Big Lime			950	1125	
Injun			1125	1240	
Sand & lime			1240	1245	
Shale, sand & red rock			1245	3605	
Brown sand			3605	3985	
1st Elk			3985	4102	
Sand & shale			4102	4722	
3rd Elks			4722	4725	
Sand & shale			4725	5141	
Haverty			5141	5270	
Sand & shale			5270	5408	
				T.D.	

(Attach separate sheets as necessary)

J&J Enterprises, Inc.

Well Operator

By: Bob Pahl

Date: 7/16/84

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."



FORM 60  
2/16/82

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

INSPECTOR'S PLUGGING REPORT

RECEIVED

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

(If applicable due to multiple completion--)

Second producing formation \_\_\_\_\_ Elks \_\_\_\_\_ Pay zone depth \_\_\_\_\_ 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)

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

RECEIVED  
JUN 1 1 1984

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 001-2048

Oil or Gas Well  
(KIND)

Company J & J Enterprises

Address \_\_\_\_\_

Farm Sturm

Well No. 941

District Clade County Barbours

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

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

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			Size of _____
10			Depth set _____
8 1/4			Perf. top _____
6 3/8			Perf. bottom _____
5 3/16			Perf. top _____
3			Perf. bottom _____
2			
Liners Used			

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

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

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

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

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

Remarks: Moved rig & started hole

5-31-84  
DATE

Philip Tracy  
DISTRICT WELL INSPECTOR

6-1-84  
DATE

[Signature]  
DISTRICT WELL INSPECTOR

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		
CEMENT-THICKNESS	PLUGS USED AND DEPTH PLACED		LEAD	BRIDGES CONSTRUCTION-LOCATION	CASING AND TUBING		
	WOOD-SIZE				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  
JUN 12 1984

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

Permit No. 001-2048

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

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>J &amp; J Enterprises</u>	Size			
Address _____	16			Kind of Packer _____
Farm <u>Ira Sturm</u>	13			
Well No. <u>J 941</u>	10			Size of _____
District <u>Glade</u> County <u>Bushy</u>	8 1/4	<u>9/16</u>	<u>9/16</u>	<u>230 Stent</u>
Drilling commenced _____	6 5/8			Depth set _____
Drilling completed _____ Total depth <u>3765</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:

6-4-84  
DATE

Phil Jones & Ross Bell  
DISTRICT WELL INSPECTOR

Form 26  
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**

JUN 13 1984

INSPECTOR'S WELL REPORT

Permit No. 001-2048

OIL & GAS DIVISION  
DEPT. OF MINES

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>J &amp; J Enterprises</u>	Size			
Address _____	16			Kind of Packer _____
Farm <u>IRA STURM</u>	13			
Well No. <u># J-941</u>	10			Size of _____
District <u>CLARE</u> County <u>BARB</u>	<del>8 5/8</del> - 9 1/8	<u>9 1/8</u>	<u>9 1/8</u> (230-14)	Depth set _____
Drilling commenced <u>5/31-84</u>	6 3/4			
Drilling completed <u>6/5</u> Total depth <u>5400</u>	5 3/16			
Date shot _____ Depth of shot _____	3 <u>4 1/2</u>			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.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	NAME OF SERVICE COMPANY _____			
Oil _____ bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Fresh water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names JACK RIG #1 Bob Craig

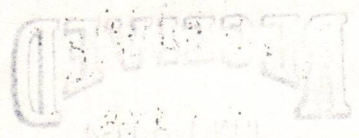
Remarks: 9 - 210 TANKS on loc - Flowing back

6/11/84

DATE

James H. Beard (501)  
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

AUG 17 1984

OIL & GAS DIVISION

DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 001-2048

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

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>J &amp; J</u>	Size			
Address _____	16			Kind of Packer _____
Farm <u>Stuart</u>	13			
Well No. <u>J-941</u>	10			Size of _____
District _____ County <u>001</u>	8 1/4			
Drilling commenced _____	6 5/8			Depth set _____
Drilling completed _____ Total depth _____	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:

*Check Rec' - Dirt Rough - Trashy -  
Line Lograph - Drainage good -  
Growth - looks good -*

8/15/84

DATE

RG Beall-501-

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

INSPECTOR'S WELL REPORT

Permit No. 001-2048

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

Company J & J

Address \_\_\_\_\_

Farm Stony

Well No. J-941

District \_\_\_\_\_ County 001

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 3/4			
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

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

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: Drainage pattern is excellent. Cover is fair - issued final API NO installed.

10/4/84  
DATE

R. E. Brace  
DISTRICT WELL INSPECTOR

Form 26  
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

RECEIVED  
OIL & GAS DIVISION  
DEPT. OF MINES

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 Division  
Charleston 25305

RECEIVED  
OCT 9 1984

OIL & GAS DIVISION  
DEPT. OF MINES

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
August 16, 1984

COMPANY J & J Enterprises, Inc.

PERMIT NO 001-2048

P. O. Box 48

FARM & WELL NO Ira & Wilda Sturm #J-941

Buckhannon, West Virginia 26201

DIST. & COUNTY Glade/Barbour

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

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

SIGNED RG Beall

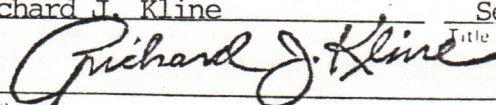
DATE 10/4/84

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

T. L. Beall  
Administrator-Oil & Gas Division

December 17, 1984  
DATE

FERC-121

1.0 API well number (If not available, leave blank. 14 digits.)	<u>47-001-2048</u>			
2.0 Type of determination being sought. (Use the codes found on the front of this form.)	<u>103</u> Section of NGPA	<u>N/A</u> Category Code		
3.0 Depth of the deepest completion location. (Only use if sections 103 or 105 in 2.0 above.)	<u>4725</u> feet			
4.0 Name, address and code number of applicant. (35 letters per line maximum. If code number not available, leave blank.)	<u>J &amp; J Enterprises, Inc.</u> Name		<u>009840</u> Seller Code	
	<u>P.O. Box 697</u> Street			
	<u>Indiana,</u>	<u>PA</u> State	<u>15701</u> Zip Code	
5.0 Location of this well. (Complete (a) or (b).)	<u>Glade</u> Field Name			
(a) For onshore wells (35 letters maximum for field name.)	<u>Barbour</u> County		<u>WV</u> State	
(b) For OCS wells:	<u>N/A</u> Area Name			
	Date of Lease:		Block Number	
	<u>    </u> Mo.	<u>    </u> Day	<u>    </u> Yr.	OCS Lease Number
(c) Name and identification number of this well. (35 letters and digits maximum.)	<u>J-941</u>			
(d) If code 4 or 5 in 2.0 above, name of the reservoir. (35 letters maximum.)	<u>N/A</u>			
6.0 (a) Name and code number of the purchaser. (35 letters and digits maximum. If code number not available, leave blank.)	<u>Tennessee Gas Pipeline Company</u> Name		Buyer Code	
(b) Date of the contract:	<u>    </u> Mo. Day Yr.			
(c) Estimated annual production:	_____ MMcf.			
7.0 Contract price (As of filing date. Complete to 3 decimal places.)	<u>2.909</u> (a) Base Price (\$/MMBTU)	<u>.278</u> (b) Tax	_____ (c) All Other Prices [Indicate (+) or (-).]	<u>3.190</u> (d) Total of (a), (b) and (c)
8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.)	<u>2.909</u>	<u>.278</u>	_____	<u>3.190</u>
9.0 Person responsible for this application	<u>Richard J. Kline</u> Secretary Name Title			
Agency Use Only	 Signature			
Date Received by Juris. Agency	<u>7-24-84</u> Date application is Completed			
Date received by FERC	<u>(412) 349-6800</u> 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 18 1981

PARTICIPANTS:

DATE: AUG 16 1984

BUYER-SELLER

OPERATOR:

J & J Enterprises, Inc.

FIRST PURCHASER:

Tennessee Gas Pipeline Co.

NUMBER:

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

840730-103-001-2048

Use 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 \_\_\_\_\_
- 6. 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. \_\_\_\_\_
- f) Other Gas Test: \_\_\_\_\_
- 7) Avg. Daily Gas from Annual Production: \_\_\_\_\_
- 8) Avg. Daily Gas from 90-day ending w/1-120 days \_\_\_\_\_
- Line Pressure \_\_\_\_\_
- Oil Production \_\_\_\_\_ From Completion Report \_\_\_\_\_
- Does lease inventory indicate enhanced recovery being done \_\_\_\_\_
- Is affidavit signed? \_\_\_\_\_ Notarized? \_\_\_\_\_
- Official well record with the Department confirm the submitted information \_\_\_\_\_
- Additional information \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_
- Operator/Owner Contacted to \_\_\_\_\_ By Who? \_\_\_\_\_

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

Date July 24, 1984 Operator's Well No. J-941 API Well No. 47 - 001 - 2048 State County Permit

WELL CLASSIFICATION FORM NEW ONSHORE PRODUCTION WELL NCPA 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 11003 Watershed Ryans Run to Sugar Creek Dist. Glade County Barber Quad. Jesterville Gas Purchase Contract No. Meter Chart Code Date of Contract

\* \* \* \* \*

Date surface drilling was begun: May 31, 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=PweXGLS t=60 +(0.0075 x 53.53) + 459.7 = 560 (0.650) (4580) (0.9) =1700 x 2.72 0.09 = 1700 x 1.09 X=53.35 x 560 =29868 =0.000033 Pf=1700 x 2.72 (0.000033)

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 Commission expires on the 23 day of January, 1988.

[NOTARIAL SEAL]

Vicki L. Vanderberg Notary Public

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



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

Date July 24, 1984  
Operator's Well No. J-941  
API Well No. 47 - 001-2048  
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 \_\_\_\_\_  
Meter Chart Code \_\_\_\_\_ (Month, Day and year)

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:

- (1) Initial determination (See FERC Form 121.) Section of NGPA 103 Category Code N/A
- (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)

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 describe well as meeting the requirements of Section \_\_\_\_\_ under the Natural Gas Policy Act of 1976, (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.

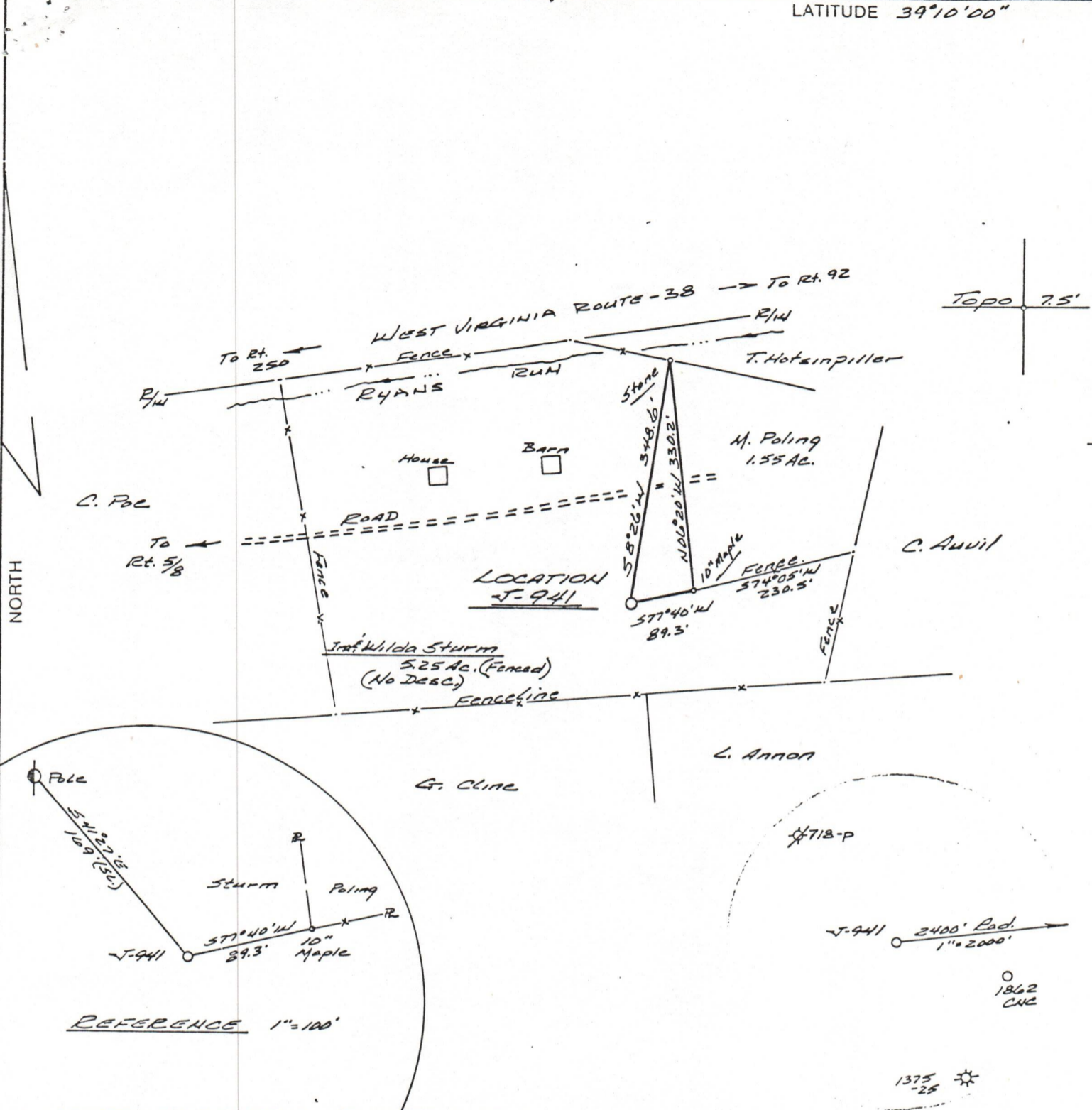
Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the department and the matter will go to determination.

WEST VIRGINIA DEPARTMENT OF MINES

JUL 30 1984

\_\_\_\_\_  
Director  
By \_\_\_\_\_  
Title \_\_\_\_\_

Date received by \_\_\_\_\_  
Jurisdictional Agency



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

FILE NO. 346.01  
 DRAWING NO. 34-31  
 SCALE 1" = 200'  
 MINIMUM DEGREE OF ACCURACY 1 in 300  
 PROVEN SOURCE OF ELEVATION Spot ELEV. - 1528'  
At Bridge Crossing Sugar Creek.

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) Efford L. Osterlander  
 R.P.E. Buckhannon, WV L.L.S. 555

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE March 23, 19 84  
 OPERATOR'S WELL NO. J-941  
 API WELL NO. 47-001-2048

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

LOCATION: ELEVATION 1603' WATER SHED Ryans Run to Sugar Creek  
 DISTRICT Glade COUNTY Barbour  
 QUADRANGLE Nestorville

SURFACE OWNER Ira & Wilda Sturm ACREAGE 5.25  
 OIL & GAS ROYALTY OWNER Ira & Wilda Sturm LEASE ACREAGE 6.65  
 LEASE NO. JJ-1614

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 ~500'  
 WELL OPERATOR T&J ENTERPRISES, INC. DESIGNATED AGENT RICHARD REDDECLIFF  
 ADDRESS P.O. Box 48 ADDRESS P.O. Box 48  
Buckhannon, WV 26201 Buckhannon, WV 26201

COUNTY NAME  
 PERMIT