



1) Date: December 22, 19 83  
 2) Operator's Well No. J-842  
 3) API Well No. 47 - 001 - 2019  
 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  /  
 B (If "Gas", Production  / Underground storage  / Deep  / Shallow  /)
- 5) LOCATION: Elevation: 1663 Watershed: Glady Creek  
 District: Glade County: Barbour Quadrangle: Nestorville
- 6) WELL OPERATOR J&J Enterprises, Inc.  
 Address P.O. Box 48  
Buckhannon, WV 26201
- 7) DESIGNATED AGENT Richard Reddecliff  
 Address P.O. Box 48  
Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name Phillip Tracy  
 Address General Delivery  
Ellamore, WV 26267
- 9) DRILLING CONTRACTOR:  
 Name S.W. Jack Drilling Company  
 Address P.O. Box 48  
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, 5400 feet
- 13) Approximate strata depths: Fresh, 65 feet; salt, 0 feet.
- 14) Approximate coal seam depths: 125, 420 Is coal being mined in the area? Yes \_\_\_\_\_

**RECEIVED**  
 DEC 28 1983  
 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	113/4	H-40	42	x		30	0	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		1000	1000	To surface	NEAT Sizes
Coal	85/8	ERW	23	x		1000	1000	To surface	
Intermediate									
Production	4 1/2	J-55	10.5	x		5350	5350	325 sks.	Depths set
Tubing									or as req. by rule 15.01 Perforations:
Liners									

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-001-2019 Date January 17, 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 January 17, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
	<u>LP</u>	<u>MH</u>	<u>MH</u>	<u>1389</u>

*[Signature]*  
 Administrator, Office of Oil and Gas

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

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

File



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL AND GAS DIVISION  
OFFICE USE ONLY

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

4) WELL LOCATION: District: \_\_\_\_\_ County: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_ Section: \_\_\_\_\_

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

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

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

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

9) PROPOSED WELL WORK: Drill: \_\_\_\_\_ Depth: \_\_\_\_\_

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

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

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

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

14) CASING AND TUBING PROGRAM: \_\_\_\_\_

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DEC 28 1983  
OIL & GAS DIVISION  
DEPT. OF MINES

CASING OR TUBING TYPE	DATE	GRADE	DEPTH	APPLICATIONS		FOOTAGE INTERVALS		CEMENT FILLING	WELLS
				Year	Foot	Year	Foot		
Production	10-25	10.5	3350	X	3350	1000	1000	325	325
Intermediate									
Coal	8-25	23	1000	X	1000	1000	1000	30	30
Fresh water	8-25	23	1000	X	1000	1000	1000	30	30
Conductor	11-25	43	3350	X	3350	1000	1000	0	0

OFFICE USE ONLY

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

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

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

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

Permit No.	11-201-2019
Permit Expires	January 17, 1984

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

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 James P. Stemple  
Address Rt. # 2  
Philippi, WV 26416

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

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

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

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD  
Name Cecil Wilson  
Address 115 Pine Wood Ave.  
Bridgeport, WV 26330

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

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

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

**RECEIVED**  
DEC 28 1983

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.

OIL & GAS DIVISION  
DEPT. OF MINES

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 is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.  
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS  
Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

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

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by  
Richard Reddecliff  
his 22<sup>nd</sup> day of December, 19 83.  
My commission expires 10/16, 19 89.

Linda S. Canfield  
Notary Public, Upshure 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 & Marceline Stemple Rt. 2 Philippi, WV 26416	to Beckler Energy to J&J Enterprises, Inc.	1/2-1/8-100%	95	481
Sherman & Mary Lindsey 1203 N. 13th St. Temple, Texas		1/4-1/8-100%	92	492
Va. & Charles Boyles Route # 6 Caldwell, OH 43724		1/4-1/8-100%	92	404

1) Date: December 22 1983  
 2) Operator's Well No. J-842  
 3) API Well No. 47 001  
 State County Permi

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

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: 1663 Watershed Glady Creek  
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- 6) WELL OPERATOR J&J Enterprises, Inc.  
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 Name S.W. Jack Drilling Company  
 Address P.O. Box 48  
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 (or actual depth of existing well), 5400 feet  
 13) Approximate water strata depths: Fresh, 65 feet; salt, 0 feet.  
 14) Approximate coal seam depths: 125,420 Is coal being mined in the area? Yes     / No x
- 15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILLUP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	11 3/4	H-40	42	x		30	0	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		1000	1000	To surface	Sizes
Coal	8 5/8	ERW	23	x		1000	1000	To surface	
Intermediate									
Production	4 1/2	J-55	10.5	x		5350	5350	325 sks.	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application (or less than 5 days if the application is to plug a well), 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 herein.

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)

ME: \_\_\_\_\_

James P. Stemple Date: 12/29/83  
 (Signature)

By \_\_\_\_\_

\_\_\_\_\_  
 (Signature) Date: \_\_\_\_\_

Its \_\_\_\_\_ Date: \_\_\_\_\_

**RECEIVED**

JAN 4 - 1984

OIL & GAS DIVISION  
 DEPT. OF MINES

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.) Permit will be good for 24 months. See Chapter 22, Article 4 of the W. Va. Code.

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, WV 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 personally served or mailed to you 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. (This time is changed to FIVE (5) DAYS from the filing date if the permit is only to plug a well.) 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 should 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."

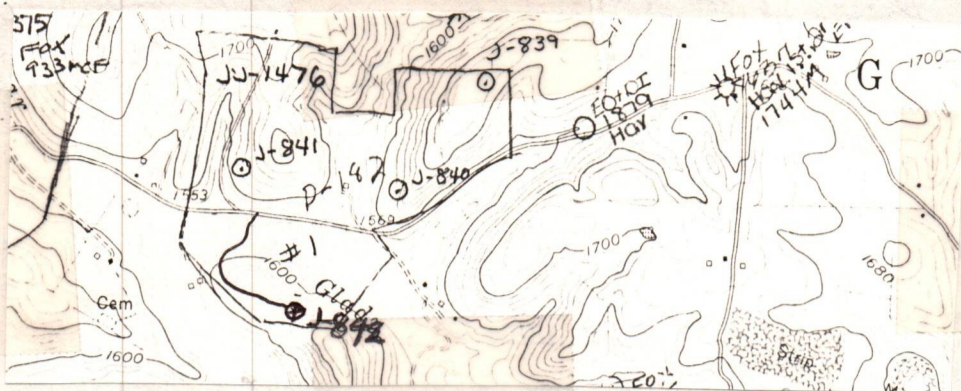
If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

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.

LEGEND


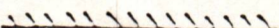










WELL SITE 

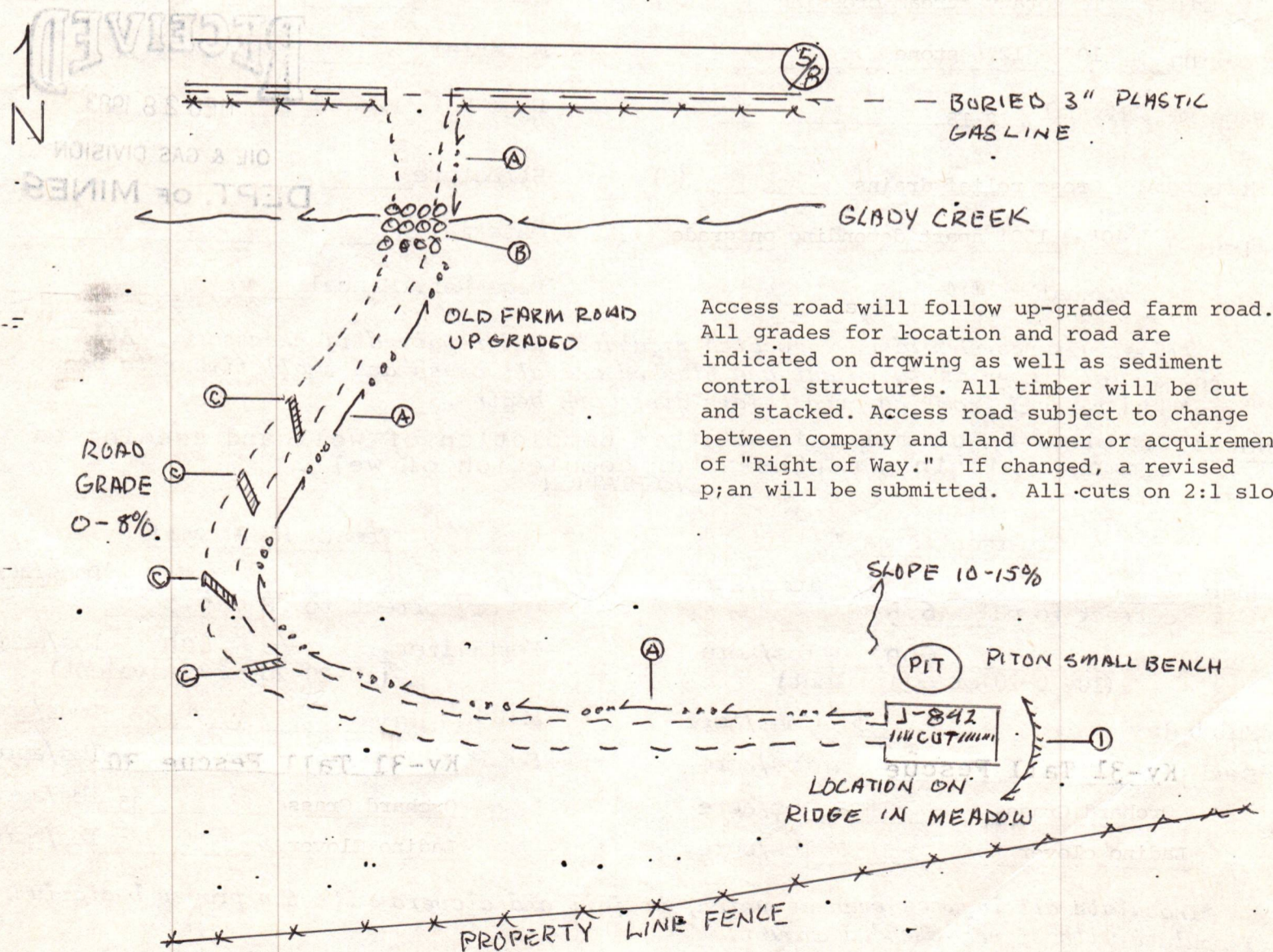
ACCESS ROAD 



Sketch to include well location, existing 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.

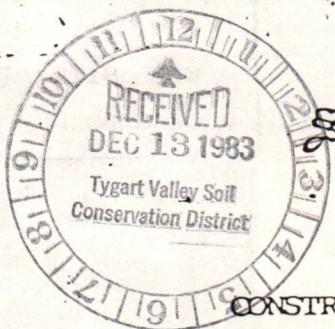
LEGEND

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



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

*Stackpile topsoil*



State of West Virginia Department of Mines Oil and Gas Division

DATE 12/12/83 WELL NO. J-842 API NO. 47 - 001 - 2019

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME J & J Enterprises, Inc. Address P.O. Box 48 Telephone Buckhannon, WV 26201

DESIGNATED AGENT Richard M. Reddecliff Address P.O. Box 48, Buckhannon, WV Telephone 472-9403

LANDOWNER James Stemple Box 61 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 Tygarts Valley SCD. All corrections and additions become a part of this plan: 12/18/83 (Date)

Jean Freeman (SCD Agent)

ACCESS ROAD Structure Drainage Ditch Spacing To be constructed along road Page Ref. Manual 2-10 Structure Temporary stream crossing Spacing 10" - 12" stone Page Ref. Manual 2:15 Structure Cross relief drains Spacing 40' - 150' apart depending on grade Page Ref. Manual 2;4

LOCATION Structure Diversion Ditch Material soil Page Ref. Manual 2-12 Structure Material Page Ref. Manual DEC 28 1983 OIL & GAS DIVISION DEPT. OF MINES Structure Material 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 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay 2 Tons/acre Seed\* 30 lbs/acre Orchard Grass 35 lbs/acre Ladino clover 5 lbs/acre

Lime 3 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay 2 Tons/acre Seed\* 30 lbs/acre Orchard Grass 35 lbs/acre Ladino Clover 5 lbs/acre

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

PLAN PREPARED BY Ed Summerfield

ADDRESS P.O. Box 48 Buckhannon, WV 26201

PHONE NO. 472-9403

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



# RECEIVED

DEC 28 1983

OIL & GAS DIVISION  
DEPT. OF MINES

*due 1/13*

P 471 414 313  
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—  
NOT FOR INTERNATIONAL MAIL

(See Reverse) 9-840 9-811

2342

Sent to	<i>Cecil Wilson</i>	
Street and No.	<i>115 Pine Wood Ave.</i>	
P.O., State and ZIP Code	<i>Bridgport, WV 26330</i>	
Postage	<i>54</i>	
Certified Fee	<i>95</i>	
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt Show in Return to whom and Date of Delivery	<i>60</i>	
Date, and Amount of Delivery	<i>60</i>	
TOTAL	<i>189</i>	

3800, 82  
J & J ENTERPRISES, INC.  
P.O. BOX 48  
KANSAS 66201

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

Haverty: Perforations: 5048-50(2 holes) 5056-58(3 holes) 5068-70(6 holes) 5075-78(3holes)  
 Fracturing: 12,500 lbs. 80/100 sand: 40,000 lbs. 20/40 sand: 500 gal. acid: 500 Bbls. fluid

Lower & Upper ELks: 4685-87(5 hoels) 4696-4700(9 holes)  
 Fracturing: 21,000 lbs. 20/40 sand: 500 gal. acid: 275 Bbls. fluid.

Riley: Perforations: 4066-68(7 holes) 4070-72(7 holes)  
 Fracturing: 35,000 lbs. 20/40 sand: 500 gal. acid: 440 Bbls. fluid.

BOTTOM HOLE PRESSURE  $P_f = P_{we}^{XGLS}$

$$t=60 + (0.0075 \times 5235) + 459.7 = 559 \quad X = \frac{1}{53.35} \times 559 = 10.48 \quad = 29823 \quad = 0.000034 \quad P_f = 1500 \times 2.72^{(0.000034)} (0.6$$

$$(4572) (0.9) = 1500 \times 2.72^{0.085} \times 1500 \times 1.09 = 1635$$

Pf=1635 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
Conductor			0	20	
Sand			20	85	½" stream @ 45'
Coal			85	89	
Sand			89	155	1" stream @ 160'
Coal			155	158	
Sand & sandy shale			158	385	Gas ck @ 1795 4/10-1" w/water
Coal			385	390	15,041 cu.ft.
Sand & sandy shale			390	575	
Coal			575	578	Gas ck @ 2575 No show
Sandy shale & red rock			578	800	
Sandy shale & sand			800	1030	Gas ck @ 3100 No show
Sandy shale			1030	1085	
Big Lime			1085	1200	Gas ck @ 3780 No show
Sand & sandy shale			1200	1455	
Sand & sandy shale			1455	2330	Gas ck @ 3904 No show
Sand			2330	2400	
Sandy shale			2400	3750	Gas ck @ 4830 No show
Sand & sandy shale			3750	3900	
Sandy shale			3900	4066	Gas ck @ 5074 4/10-1" w/water
Riley			4066	4072	15,041 cu.ft.
Sandy shale			4072	4685	
Lower Elks - Upper Elks			4685	4700	Gas ck @ 5230 2/10-1" w/water
Sandy shale			4700	5048	10,830 cu.ft.
Haverty			5048	5078	
Sandy shale			5078	5550 T.D.	Gas ck @ 5384 2/10-1" w/water
					10,830 cu.ft.

(Attach separate sheets as necessary)

J&J Enterprises, INC.

Well Operator

By: *[Signature]*

Date: 3/28/84

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  
MAR 30 1984



State of West Virginia  
Department of Mines  
Oil and Gas Division

Date March 28, 1984  
Operator's Well No. J-842  
Farm James Stemple  
API No. 47 - 001 - 2019

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: 1663 Watershed Glady Creek  
District: Glade County Barbour Quadrangle Nestorville

COMPANY J&J Enterprises, Inc.

ADDRESS P.O. Box 48 Buckhannon, WV 26201

DESIGNATED AGENT Richard Reddecliff

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

SURFACE OWNER James P. Stemple

ADDRESS Rt. # 2, Philippi, WV 26416

MINERAL RIGHTS OWNER James P. Stemple

ADDRESS Rt. # 2, Philippi, WV 26416

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

PERMIT ISSUED 11/17/83

DRILLING COMMENCED 2/27/84

DRILLING COMPLETED 3/5/84

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.	20	0	0 sks.
13-10"			
9 5/8			
8 5/8	1050.40	1050.40	260 sks.
7			
5 1/2			
4 1/2	5235.10	5235.10	425sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Fox Depth                      feet

Depth of completed well 5550 feet Rotary x / Cable Tools                     

Water strata depth: Fresh 45,160 feet; Salt 0 feet

Coal seam depths: 85-89, 155-58, 385-90, 575-78 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Haverty Pay zone depth 5048-78 feet

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

Combined Final open flow 1,273 Mcf/d Final open flow                      Bbl/d

Time of open flow between initial and final tests 3 hours

Static rock pressure 1500 psig (surface measurement) after 96 hours shut in

(If applicable due to multiple completion--)

Second producing formation Lower & Upper ELks, Pay zone depth 4685-4700 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)

388 2019

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

RECEIVED  
MAR 7 - 1984

INSPECTOR'S WELL REPORT  
DEPT. OF MINES

Permit No. 001-2019

Oil or Gas Well  
(KIND)

Company J & J Enterprises  
 Address \_\_\_\_\_  
 Farm James Stamps  
 Well No. J 842  
 District Glade County Barbour  
 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: Moved rig & started drilling

2-28-84  
DATE

Philip Dwyer  
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

MAR 7 - 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 001-2019

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

Company J & J Enterprises  
 Address \_\_\_\_\_  
 Farm James Stamples  
 Well No. J 842  
 District Glade County Barbour  
 Drilling commenced \_\_\_\_\_  
 Drilling completed \_\_\_\_\_ Total depth 1075  
 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 Packler _____
13			
10			Size of _____
8 1/4	<u>1050</u>	<u>1050</u>	<u>260 Stout</u>
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: \_\_\_\_\_

3-1-84  
DATE

Phillip Dwyer  
DISTRICT WELL INSPECTOR

FORM 50  
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

MAR 14 1984

OIL & GAS DIVISION

DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 001-2019

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

Company J & J Enterprises  
 Address \_\_\_\_\_  
 Farm James Stamps  
 Well No. 842  
 District Glade County Barbours  
 Drilling commenced \_\_\_\_\_  
 Drilling completed \_\_\_\_\_ Total depth 5600  
 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: I.D. Well

3-5-84  
DATE

Phillip Tracy  
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		
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

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 001-2019

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

Company J & J Enterprises  
 Address \_\_\_\_\_  
 Farm James Stimpl  
 Well No. J 842  
 District Glade 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

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: Checking reclamation work

5-1-84  
DATE

Philip Tracy  
DISTRICT WELL INSPECTOR

FORM 20  
2/16/82  
**RECEIVED**  
MAY 19 - 1982  
DIVISION OF OIL & GAS  
DEPT. OF MINES

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	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
	WOOD-SIZE						

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

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

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

DISTRICT WELL INSPECTOR



**RECEIVED**  
JUN 4 - 1985  
OIL & GAS DIVISION  
DEPT. OF MINES

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

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
April 9, 1984

COMPANY J & J Enterprises, Inc.  
P. O. Box 48  
Buckhannon, West Virginia 26201

PERMIT NO 001-2019 (1-17-84)  
FARM & WELL NO James Stemple #J-842  
DIST. & COUNTY Glade/Barbour

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

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

SIGNED Donald A. Ellis

DATE 5-30-85

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

T. L. v. B.  
Administrator-Oil & Gas Division

June 7, 1985  
DATE

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 _001 _ 2019 _ 0000			
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 needed if sections 103 or 107 in 2.0 above.)	5078 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.			009480 Seller Code
	P.O. Box 697			
	Indiana	PA	15701	
	City	State	Zip Code	
5.0 Location of this well: (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	Glade Field Name			
	Barbour	WVA		
	County	State		
(b) For OCS wells:	N/A	Area Name	Block Number	
	Date of Lease:			
	Mo.	Day	Yr.	OCS Lease Number
(c) Name and identification number of this well: (35 letters and digits maximum.)	J-842			
(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
	Name			
(b) Date of the contract:	Mo. Day Yr.			
(c) Estimated total annual production from the well:	Million Cubic Feet			
		(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-)]
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	2 8 7 9	2 7 8	3 1 5 7
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	2 8 7 9	2 7 8	3 1 5 7
9.C Person responsible for this application:	Richard J. Kline Secretary			
	Name	<i>Richard J. Kline</i>		Title
	Signature	4/9/84	(412) 349-6800	
	Date Application is Completed	Phone Number		

Agency Use Only  
Date Received by FERC  
**APR 13 1984**

PARTICIPANTS:

DATE: MAY - 2 1984

BUYER-SELLER CODE

WELL OPERATOR: \_\_\_\_\_

FIRST PURCHASER: \_\_\_\_\_

OTHER: \_\_\_\_\_

J & J Enterprises, Inc.  
Tennessee Gas Pipeline

W. Va. Department of Mines, Oil & Gas Division

WELL DETERMINATION FILE NUMBER

840413 - 103-001 - 2019

Use Above File Number on all Communications

Relating to Determination of this Well

**QUALIFIED**

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM 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? \_\_\_\_\_
- 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? \_\_\_\_\_ Affidavit Signed \_\_\_\_\_
- 18-28. Other: Survey \_\_\_\_\_ Logs \_\_\_\_\_ Geological Charts \_\_\_\_\_  
 Structure Map \_\_\_\_\_ 1: 4000 Map \_\_\_\_\_ Well Tabulations \_\_\_\_\_  
 Gas Analyses \_\_\_\_\_
- (5) Date commenced: \_\_\_\_\_ Date completed \_\_\_\_\_ Deepened \_\_\_\_\_
- (5) Production Depth: \_\_\_\_\_
- (5) Production Formation: \_\_\_\_\_
- (5) Final Open Flow: \_\_\_\_\_
- (5) After Frac. R. P. \_\_\_\_\_
- (6) Other Gas Test: \_\_\_\_\_
- (7) Avg. Daily Gas from Annual Production: \_\_\_\_\_
- (8) Avg. Daily Gas from 90-day ending w/1-120 days \_\_\_\_\_
- (8) Line Pressure: \_\_\_\_\_ PSIG from Daily Report \_\_\_\_\_
- (5) Oil Production: \_\_\_\_\_ From Completion Report \_\_\_\_\_
- 10-17. Does lease inventory indicate enhanced recovery being done \_\_\_\_\_
- 10-17. Is affidavit signed? \_\_\_\_\_ Notarized? \_\_\_\_\_
- Does official well record with the Department confirm the submitted information \_\_\_\_\_
- Additional information \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_
- Was Determination Objected to \_\_\_\_\_ By Whom? \_\_\_\_\_

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

Date April 9, 1984

Operator's Well No. J-842

API Well No. 47 - 001 - 2019  
State County Permit

WELL CLASSIFICATION FORM  
NEW ONSHORE PRODUCTION WELL  
:GPA Section 103

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

WELL OPERATOR J & J Enterprises, Inc.  
ADDRESS P. O. Box 697  
Indiana, PA 15701

LOCATION: Elevation 1663  
Watershed Glady Creek  
Dist. Glade County Barbour Quad N65T0112

GAS PURCHASER Tennessee Gas Pipeline Co.  
ADDRESS P.O. Box 2511  
Houston, Texas 77001

Gas Purchase Contract No. \_\_\_\_\_  
Meter Chart Code \_\_\_\_\_  
Date of Contract \_\_\_\_\_

\* \* \* \* \*

Date surface drilling was begun: 2-27-84

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

Rock Pressure: 1500

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

BOTTOM HOLE PRESSURE Pf=Pwe XGLS  
 $t=60 + (0.0075 \times 5235) + 459.7 = 559$   $X=53.35 \times 559 = 29823$   $=0.000034$   $Pf=1500 \times 2.72 (0.000034) (0.608)$   
 $(4572) (0.9) = 1500 \times 2.72^{0.085}$   $\times 1500 \times 1.09 = 1635$

Pf=1635 psi

AFFIDAVIT

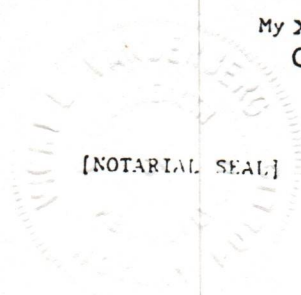
I, James H. McElwain, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, 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 9<sup>th</sup> day of April, 1984, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 9<sup>th</sup> day of April, 1984.  
My ~~XXXXXX~~ expires on the 23 day of January, 1988  
Commission



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 April 9, 1984

Operator's Well No. J-842

API Well No. 47 - 001 - 2019  
State County Permit

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. (If applicable)

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

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

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

Meter Chart Code \_\_\_\_\_

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

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

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

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

Richard J. Kline Secretary  
Name (Print) Title

Richard J. Kline  
Signature  
P. O. Box 697  
Street or P. O. Box  
Indiana PA 15701  
City State (Zip Code)

012 349-6800  
Area Phone Number  
Code

(Certificate of Proof of Service to Purchaser)

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

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

The Department of Mines has received a request  for certification of the above described well as meeting the requirements of Section \_\_\_\_\_ under the Natural Gas Policy Act of 1978. (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

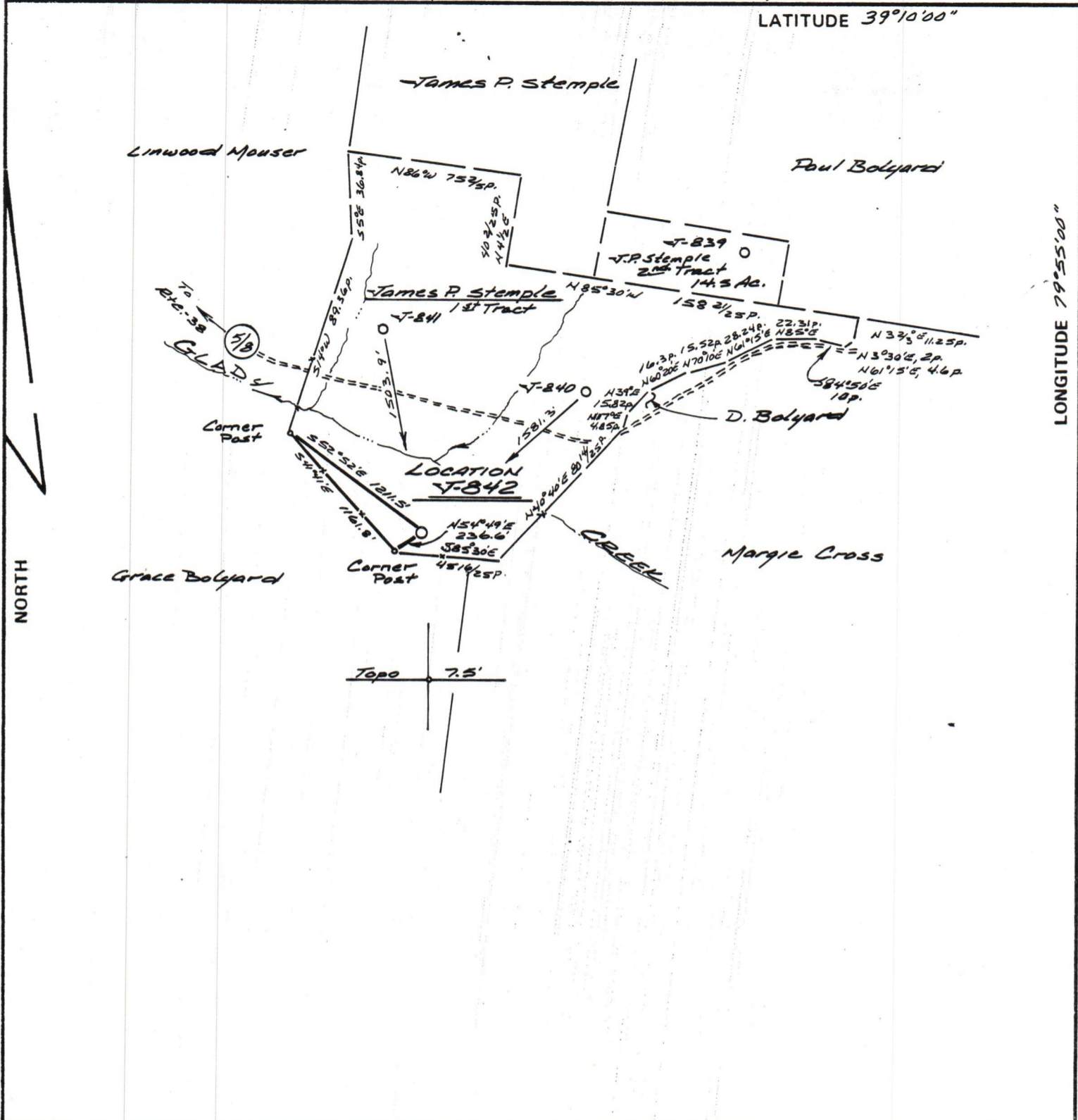
APR 13 1984

Date received by  
Jurisdictional Agency

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

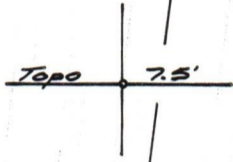


9,350'  
LATITUDE 39°10'00"



NORTH

LONGITUDE 79°55'00"



FILE NO. 346.01  
 DRAWING NO. 83-96  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION Spot Elev. - 1563'  
N.W. 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 J. 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 November 29, 19 83  
 OPERATOR'S WELL NO. T-842  
 API WELL NO. \_\_\_\_\_  
47 - 001 - 2019  
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION 1663' WATER SHED Glady Creek  
 DISTRICT Glade COUNTY Barbour  
 QUADRANGLE Nestorville  
 SURFACE OWNER James P. Stemple ACREAGE 136.65  
 OIL & GAS ROYALTY OWNER James P. Stemple et al. LEASE ACREAGE 151.45  
 LEASE NO. TJ-1476  
 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 5400'  
 WELL OPERATOR J&J ENTERPRISES, INC. DESIGNATED AGENT RICHARD REDDECLIFF  
 ADDRESS P.O. Box 48 ADDRESS P.O. Box 48

FORM IV-6 (8-78)