



1) Date: November 9, 1983
 2) Operator's Well No. JK-803
 3) API Well No. 47 - 001 - 2001
 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: 1490 Watershed: Frost Run
 District: Philippi County: Barbour Quadrangle: Nestorville
- 6) WELL OPERATOR J&J Enterprises, Inc. 7) DESIGNATED AGENT Richard Reddecliff
 Address P.O. Box 48 Address P.O. Box 48
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Phillip Tracy Name S.W. Jack Drilling Company
 Address General Delivery Address P.O. Box 48
Ellamore, WV 26267 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, 5200 feet
- 13) Approximate trata depths: Fresh, 55 feet; salt, 0 feet.
- 14) Approximate coal seam depths: 242-44 Is coal being mined in the area? Yes / No /

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 NOV 15 1983
 No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	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	by rule 15.05
Intermediate									
Production	4 1/2	J-55	10.5	x		5150	5150	375 sks.	Depth set
Tubing									or as req by rule 15.01
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-001-2001

December 5, 19 83
 Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires December 5, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: <u>lo</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>1369</u>
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BLANKET BOND

T. J. ...
 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



OFFICE USE ONLY

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

1) PROPOSED WELL WORK: Drill Plug off old formation Perforate new formation Other physical change in well (specify):

2) LOCATION: Elevation: _____ District: _____ County: _____

3) WELL OPERATOR: _____ Address: _____

4) DESIGNATED AGENT: _____ Address: _____

5) DRILLING CONTRACTOR: _____ Name: _____ Address: _____

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

7) APPROXIMATE COAL STRAIN DEPTHS: _____

8) APPROXIMATE RATE DEPTHS: _____

9) ESTIMATED DEPTH OF COMPLETED WELL: _____

10) GEOLOGICAL TARGET FORMATION: _____

11) APPROXIMATE COAL STRAIN DEPTHS: _____

12) APPROXIMATE RATE DEPTHS: _____

13) ESTIMATED DEPTH OF COMPLETED WELL: _____

14) OTHER PHYSICAL CHANGE IN WELL (SPECIFY): _____

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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: _____

Band	Agency	Plate	Change	Fee

1) Date: November 9, 1983
2) Operator's Well No. JK-803
3) API Well No. 47 - 001 - 2001
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 Marie Baughman
Address P.O. Box 174
Philippi, WV 26416

(ii) Name _____
Address _____

(iii) Name _____
Address _____

5(i) COAL OPERATOR
Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name The Daywood Foundation, Inc.
Address 1200 Charleston Plaza
Charleston, WV 25301

Name _____
Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name Badger Coal Co.
Address Rt. # 3, Box 197
Buckhannon, WV 26201

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) before the day of mailing or delivery to the Administrator.

RECEIVED
NOV 15 1983

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 specific instructions.)

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.

OIL & GAS DIVISION
DEPT. OF MINES

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 9 day of November, 19 83.
My commission expires 10/16, 19 89.

Linda S. Carlfield
Notary Public, Waynesburg County,
State of West Virginia

WELL OPERATOR J&O Enterprises, Inc.
By [Signature]
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.

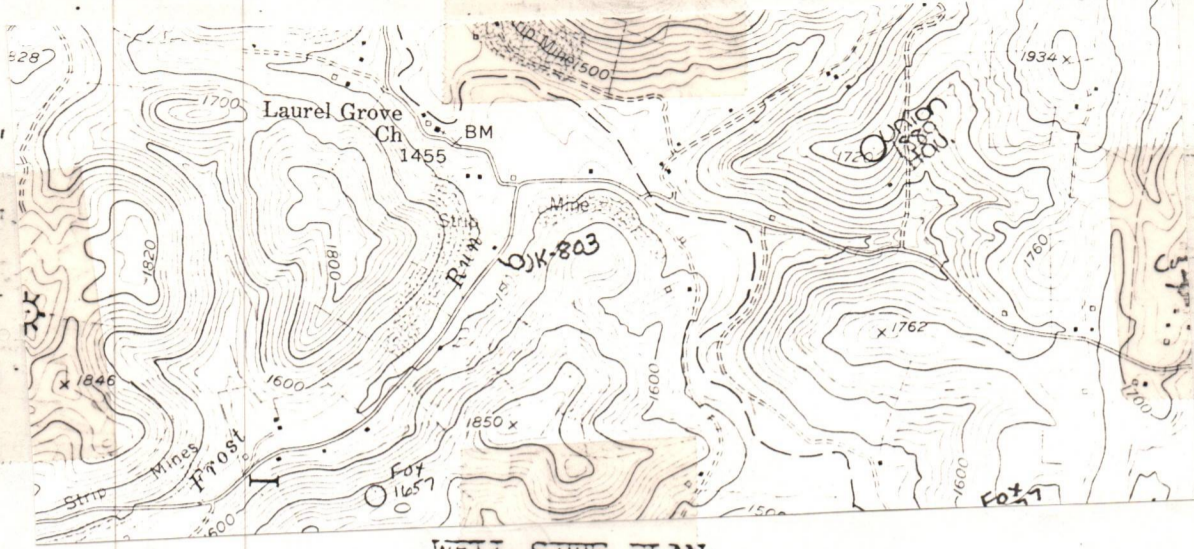
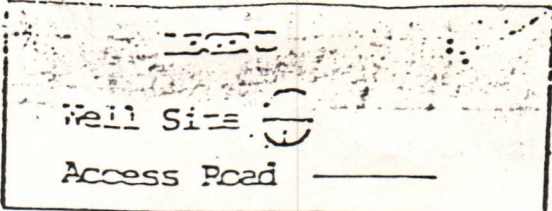
Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

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 Page</u>
Marie Baughman P.O. Bxo 174 Philippi, WV 26416	J&J Enterprises, Inc.	1/8-100%	93 603



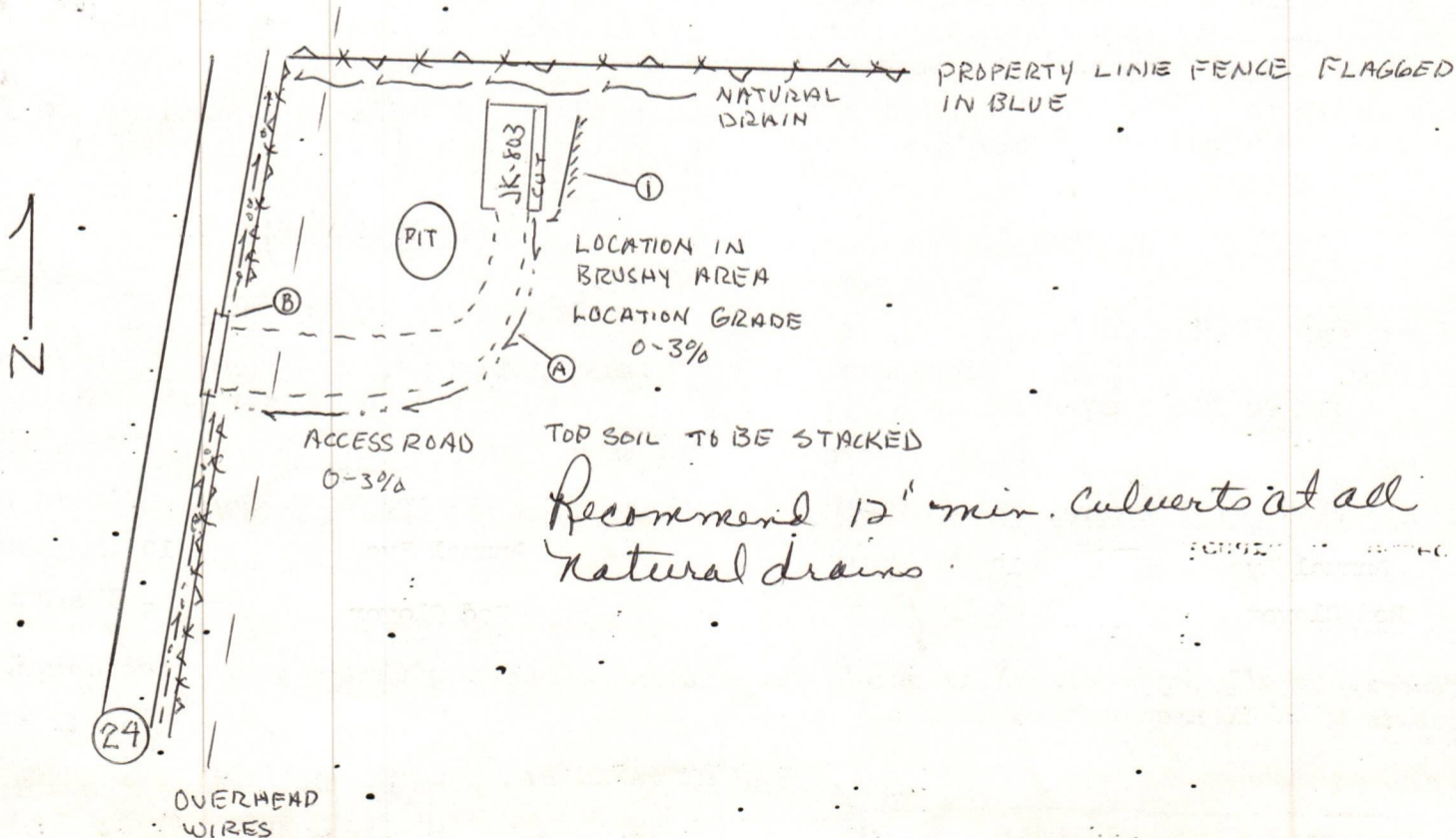
WELL SITE PLAN

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 |

All grades for location and road are indicated on drawing as well as sediment control structures. 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.



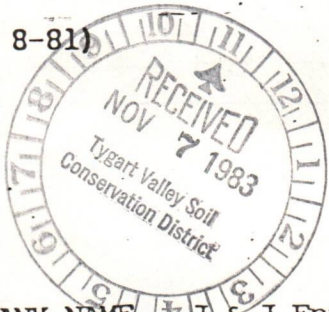


DATE 11/7/83

IV-9 (Rev 8-81)

WELL NO. JK-803 Revised

API NO. 47 - 001 - 2001



State of West Virginia Department of Mines Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME J & J Enterprises, Inc. Address P.O. Box 48 Telephone Buckhannon, WV 26201 310 Locust Ave. LANDOWNER Marie Baughman Philippi, WV

DESIGNATED AGENT Richard M. Reddecliff Address P.O. Box 48, Buckhannon, WV Telephone 472-9403 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: 11/7/83 (Date)

Jean Freeman (SCD Agent)

ACCESS ROAD

LOCATION

Structure Drainage Ditch (A) Spacing To be constructed along road Page Ref. Manual 2-10

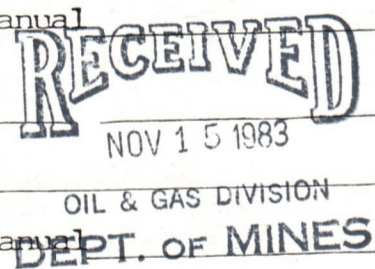
Structure Diversion Ditch (1) Material soil Page Ref. Manual 2-12

Structure Road Culvert (B) Spacing Min size 15" Page Ref. Manual 2:8

Structure Material Page Ref. Manual

Structure (C) Spacing Page Ref. Manual

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

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

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.

*mailed
8-5-85*

MAY 15 1985



OK

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

This is to acknowledge that the wells listed on the reverse of this form are hereby transferred from Fox Drilling Company, Inc. 18000 (the transferor) to D. G. Haney, Inc. 20900 (the transferee).

The transferee by this document is accepting all responsibility for compliance with the provisions of Chapter 22 Article 4 of the West Virginia Code and all rules and regulations promulgated thereunder, for the listed wells.

The transferee's designated agent (name) D. G. Haney, (address) Box 3810, Charleston, West Virginia 25338 is on file with the Office of Oil and Gas.

The transferee has bonded the said wells by securities, cash, or surety (circle one bond identified below by amount, effective date, issuing authority, and any identifying number. \$50,000.00 October 13, 1984, United States Fidelity & Guarantee Company, No. 93784

(Transferee) D. G. Haney, Inc.
By D. G. Haney
Its President

Taken, subscribed and sworn to before me this 31 day of May 19 85
Notary Public Herbert K. Deen
My commission expires 4-30 19 91

(Transferor) _____
By _____
Its _____

Taken, subscribed and sworn to before me this _____ day of _____ 19 _____
Notary Public _____
My commission expires _____ 19 _____

ACCEPTED THIS 2 DAY OF July 1985
BY: [Signature]
Administrator-Office of Oil and Gas

NO RELEASE OF
Fox Drilling's Bond.
10-77 Reflects two
persons liable for violations

ST-203	amt	26416	\$37	75
paid	withm.			60
very				\$1.72

403
D MAIL
DIVIDED-
MAIL

48
enprises
JAN, WV
26201

API (Permit) Number

Farm Name

RECEIVED
MAY 19 1985
DEPT. OF MINES
WASHINGTON, D.C.

P 471 412 423

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

(See Reverse) SK-863

Sent to	Daywood Foundation Inc.
Street and No.	1200 Charleston National
P.O., State and ZIP Code	Charleston, WV 25301
Postage	\$.37
Certified Fee	.75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	60
Date, and Address of Return Receipt Showing to whom	
TOTAL Postage Fees	\$1.72
Postmark or Date	1982

J & J BUCKLE & CO
P. O. BOX 103
BUCKLEMAN, WV 26221





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

Balltown: Perforations: 2812-16(8 holes) 2824-26(4holes)
 Fracturing: 350 sks. 20/40 sand:550 gal. acid:425 Bbls. fluid.
 Elks: Perforations: 4338-41(5 holes) (4379-81(4 holes) (4622-24(3 holes)
 Fracturing: 400 sks. 20/40 sand: 600 gal. acid: 485 Bbls. fluid.
 Benson: Perforations: 3724-27(12 holes):
 Fracturing: 400 sks. 20/40 sand:800 gal. acid: 535 Bbls. fluid.

BOTTOM HOLE PRESSURE $P_f = P_{we}^{XGLS} \frac{1}{1}$
 $t=60 = (0.000075 \times 4754) + 459.7 = 555$ $X = 53.35 \times 555 = 29628$ $= 0.000034$ $P_f = 1500 \times 2.72^{(0.000034)}$
 $(0.62) (4174) (0.9) = 1500 \times 2.72^{(0.08)}$ $= 15h0 \times 1.08$

Pf= 1624 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
KB- Ground Level			0	10	
Soil & shale			10	21	
Coal			21	23	
Sand			23	25	½" stream @ 46'
Coal			25	32	
Sand			32	36	1" stream @ 90'
Coal			36	37	
Shale			37	45	1½" stream @ 150'
Coal			45	48	
Sand & shale			48	74	Gas ck @ 1112 No show
Coal			74	77	
Sand & shale			77	110	Gas ck @ 2026 10/10-½" w/water 5,953 cu.ft.
White sand			110	150	
Coal			150	153	
White sand & shale			153	175	Gas ck @ 2820 30/10-½" w/water 10,305 cu.ft.
Coal			175	177	
Sand & white shale			177	235	
Black shale			235	245	Gas ck @ 3708 60/10-½" w/water 14,590 cu.ft.
Sand & white shale			245	300	
Sand & shale			300	450	
Shale & red rock			450	576	Gas ck @ 3770 80/10-½" w/water 18,839 cu.ft.
Sand & shale			576	680	
Shale, sand & red rock			680	790	
Shale, lime & red rock			790	905	Gas ck @ 4720 40/10-½" w/water 11,987 cu.ft.
Big Lime			905	970	
Big Injun			970	1100	
Sand, shale & red rock			1100	1970	Gas ck @ 5130 40/10-½" w/water 11,987 cu.ft.
Sand & shale			1970	2812	
Balltown			2812	2826	
Sand & shale			2826	3724	Gas ck @ T.D. 50/10-½" w/water 13,312 cu.ft.
Benson			3724	3750	
Sand & shale			3750	4338	
Elks			4338	4624	
Sand & shale			4624	5020	
Haverly			5020	5045	
Sand & shale			5045	5414 TD	

(Attach separate sheets as necessary)

J&J Enterprises, Inc.

Well Operator

By: 

Date: 4/16/84

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."

IV-35
(Rev 8-81)

RECEIVED
APR 17 1984



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

Date April 16, 1984
Operator's Well No. JK-803
Farm Marie Baughman
API No. 47 - 001 - 2001

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: 1490 Watershed Frost Run
District: Philippi 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 Marie Baughman
ADDRESS P.O. Box 174, Philippi, WV 26416
MINERAL RIGHTS OWNER Same as surface
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Phillip Tracy
ADDRESS Forest Festival Terrace Apt. 24, Elkins, WV 26267
PERMIT ISSUED 12/5/83
DRILLING COMMENCED 1/9/84
DRILLING COMPLETED 11/17/84

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	30	0	0 sks.
9 5/8			
8 5/8	796.30	796.30	235 sks.
7			
5 1/2			
4 1/2	4753.55	4753.55	660 sks.
3			
2			
Liners used			

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

GEOLOGICAL TARGET FORMATION Fox Depth feet
Depth of completed well 5414 feet Rotary x / Cable Tools _____
Water strata depth: Fresh^{46,90,150} feet; Salt 0 feet
Coal seam depths: 21-23,25-32,36-37,45-48 Is coal being mined in the area? No
74-77,150-53,175-77

OPEN FLOW DATA

Producing formation Benson Pay zone depth 3724-27 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Combined Final open flow 852 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1500 psig (surface measurement) after 96 hours shut in
(If applicable due to multiple completion--)
Second producing formation Balltown & ELks Pay zone depth 4338-41 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)

54R
2001

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

RECEIVED
JAN 13 1984
OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 001-2001

Oil or Gas Well _____
(KIND)

Company J & J Enterprises
 Address _____
 Farm Maria Baughman
 Well No. J.K. 803
 District Phillips County Barbour
 Drilling commenced _____
 Drilling completed _____ Total depth 60
 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: Started Drilling

Jan 10, 84

Phillips Drey

DATE

DISTRICT WELL INSPECTOR

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 274.501. 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:

[Handwritten signature]

4881 J - YAM

DATE: MAY 30 1984

BUYER-SELLER CO

PARTICIPANTS:

WELL OPERATOR: _____

FIRST PURCHASER: _____

OTHER: _____

J & J Enterprises, Inc
Tennessee Gas Pipeline Co

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

840501-103-001-2001

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 _____
- (8) 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 23, 1984

Operator's Well No. JK-803

API Well No. 47 - 001 - 2001
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL

NGPA Section 103

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

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

LOCATION: Elevation 1490
Watershed Frost Run
Dist. Philippi County Barbour Quad Pesterville

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: January 9, 1984

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

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

BOTTOM HOLE PRESSURE $Pf = Pwe^{XGLS}$
 $t=60 = (0.000075 \times 4754) + 459.7 = 555$ $X = \frac{1}{53.35} \times \frac{1}{555} = \frac{1}{29628} = 0.000034$ $Pf = 1500 \times 2.72^{(0.000034)}$
 $(0.62)(4174)(0.9) = 1500 \times 2.72^{(0.08)} = 15h0 \times 1.08$

Pf = 1624 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 23 day of April, 1984, has acknowledged the same before me, in my county aforesaid.

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

My ~~XXXXXX~~ expires on the 23 day of January, 1988
Commission

[NOTARIAL SEAL]

Vicki L. Vanderberg
Notary Public

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



Date April 23, 1984
Operator's Well No. JK-803
API Well No. 47 - 001-200
State _____ County _____ Permit _____
Previous File No. _____ (If Applicable)

STATE APPLICATION FOR WELL CLASSIFICATION

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

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

Gas Purchase Contract No. _____ and Date _____
(Month, Day and Year)

Meter Chart Code _____

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

FERC Seller Code 009480

FERC Buyer Code _____

TYPE OF DETERMINATION BEING SOUGHT:

- (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)
412 349-6800
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 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 (NGPA).

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

MAY - 1 1984

Date received by Jurisdictional Agency _____

Director
By [Signature]
Title _____

FERC-121

1.0 API well number: (If not available, leave blank. 11 digits.)	47-001-2001		
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	108 Section of NGPA	N/A Category Code	
3.0 Depth of the deepest completion location: (Only use field sections 103 or 107 in 2.0 above.)	4624 feet		
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	J & J Enterprises, Inc. P.O. Box 697 Indiana, PA 15701		009480 Suffix Code
5.0 Location of this well: (Complete (a) or (b).) (a) For onshore wells: (35 letters maximum for field name.)	Philippi Barbour WVA		
(b) For OCS wells:	N/A		
(c) Name and identification number of this well: (35 letters and digits maximum.)	JK-803		
(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 Co.		
(b) Date of the contract:	Mo. Day Yr.		
(c) Estimated annual production:	MMcf		
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)
7.9 Contract price: (As of filing date. Complete to 3 decimal places.)	4.274	278	4.552
8.0 Maximum level rate: (As of filing date. Complete to 3 decimal places.)	4.274	278	4.552
9.0 Person responsible for this application:	Richard J. Kline Secretary		
Agency Use Only: Date received by Joint Agency: JUL - 3 1985 Date received by FERC:	Name: Richard J. Kline Signature: <i>Richard J. Kline</i> 6-24-85 Date preparation is completed: (412) 349-6800 File Number		

produced an average of 60 Mcf or less per production day for the 90-day period (item 1). All available months of production preceding the filing date are shown on Form IV-39.

c.) Will the maximum efficient rate of flow be established by other evidence? NO

3. Dates

a.) List the dates during the production period (including the 90-day production period) which gas was not produced. N/A

b.) Why was no gas produced on these dates? N/A

4. Crude Oil

How much oil did the well produce during the 90-day production period? NONE
(total bls)

How much oil per day? _____.

List all records reasonably available to you which contain information relevant to a determination of eligibility (including production records, B&O Tax records and royalty payment records) and indicate the location of such records.

Describe the search made of any records listed above:

AFFIDAVIT

I, James H. McElwain, having been first sworn according to law, state that I have caused to be made a diligent search of those records hereinbefore indicated in the manner herein described, that the information contained in this document is true and accurate and that on the basis of the records and examinations hereinbefore described, and to the best of my information, knowledge and belief, the well for which this certification is sought qualifies as a stripper well.

James H. McElwain

STATE OF PA

COUNTY OF Indiana, TO-WIT:

I, Vicki L. Vanderberg, a Notary Public in and for the state and county aforesaid, do certify that James H. McElwain, whose name is signed to the writing above, bearing date the 24 day of JUNE, 19 85, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 24 day of JUNE, 19 85

My term of office expires on the 23 day of JAN, 19 88.

Vicki L. Vanderberg
Notary Public
INDIANA BOROUGHS, INDIANA COUNTY
COMMISSION EXPIRES JAN. 23, 1988
Member, Pennsylvania Association of Notaries

[NOTARIAL SEAL]

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

WELL CLASSIFICATION FORM

STRIPPER GAS WELL

NGPA Section 108

Date: June 24, 1985

Operator's Well No. JK-803

API Well No. 47 - 001 - 2001
State County Permit

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: Richard Reddecliff

Address: P.O. Box 48
Buckhannon, WVA 26201

Location: Elevation 1490

Watershed Frost Run
Dist. Phillippi County Barbour Quad. Nestorville

Gas Purchase Contract No. 1523

Meter Chart Code 991698

Date of Contract _____

All applicants must complete FERC Form 121, including question No. 2.0 which should state Section 108 of NGPA.

QUALIFICATIONS

1. Rate of Production

- a.) What date did the well have first production? July 17, 1984
- b.) What are the beginning and ending dates of the 90-day production period?

From Dec 31, 1984 to Apr 1, 1985. During this 90-day production period, what was the total and average per-day production? The well produced a total of 3790 MCF or average 42 MCF per day.

2. Maxium Efficient Rate of Flow

The operator must establish that the well produced at its maxium efficient rate of flow by use of one of the following procedures (Check one):

- a.) If the filing date is more than one year from the date of first production, provide production on IV-39 for twelve months prior to the last day of the 90-day production period (2-1 in item 1). This twelve month period is _____ through _____ and produced a total of _____ MCF or average _____ per day.

- b.) If the well does not have a 12-month history of production; but has recently

JUL 30 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: June 24, 1985 24150

Applicant's Name: J & J Enterprises, Inc.

Address: P.O. Box 697
Indiana, PA 15701

Gas Purchaser Contract No. 1523

Date of Contract _____
(Month, day and year)

First Purchaser: Tennessee Gas Pipeline Company P 627

Address: P.O. Box 2511
(Street or P.O. Box)
Houston, Texas 77001
(City) (State) (Zip Code)

FERC Seller Code _____

AGENCY USE ONLY

WELL DETERMINATION FILE NUMBER

850703 -1080-001 - 2001

Use Above File Number on all
Communications Relating to This Well

Designated Agent: Richard Reddecliff

Address: P.O. Box 48
Buckhannon, WVA 26201

FERC Buyer Code _____

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

Name: Vicki Vanderberg _____
(Print) (Title)

Signature: *Vicki Vanderberg*

Address: P.O. Box 697
(Street or P.O. Box)
Indiana, PA. 15701

Telephone: (412) 349-6800
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
 - 102-2 2.5 Mile Test
 - 102-3 1000 Foot Deeper Test
 - 102-4 New Onshore Reservoir
- 103 New Onshore Production Well
 - 103 New Onshore Production Well
- 107 High Cost Natural Gas
 - 107-0 Deep (more than 15,000 feet)
 - 107-1 Geopressured Brine
 - 107-2 Coal Seams
 - 107-3 Devonian Shale
 - 107-5 Production enhancement
 - 107-6 New Tight Formation
 - 107-7 Recompletion Tight Formation

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

AGENCY USE ONLY

QUALIFIED

RECEIVED

JUL 3 1985

OIL & GAS DIV.
DEPT. OF MINES

REPORT OF MONTHLY PRODUCTION
GAS VOLUMES IN MCF @ 14.73
OIL IN BARRELS @ 60 DEGREES

J. & J. ENTERPRISES, INC.
P.O. BOX 697
INDIANA, PA 15701

OPERATOR _____

YEAR 19 84

API Del-2001

FARM Baugherman

COUNTY Baldwin

AVG. FLOW PRESSURE

SHUT-IN PRESSURE

TOTALS

GAS MCF

1839

2639

1782

1869

1302

GAS

9431

OIL BBL

31

31

30

31

32

OIL

153

DAYS ON LINE

Well in line 7/17/84

YEAR 19 85

API _____

FARM _____

COUNTY _____

AVG. FLOW PRESSURE

SHUT-IN PRESSURE

TOTALS

GAS MCF

1219

1334

1095

1461

GAS

5009

OIL BBL

31

31

28

31

OIL

121

DAYS ON LINE

YEAR 19 _____

API _____

FARM _____

COUNTY _____

AVG. FLOW PRESSURE

SHUT-IN PRESSURE

TOTALS

GAS MCF

J-

F-

M-

A-

M-

J-

J-

A-

S-

0-

N-

D-

GAS

DAYS ON LINE

SUMMARIZATION SCHEDULE
Section 271.804 (b)

API NUMBERS

In accordance with Section 271.804 (b) please list all other wells which are to be used in determining this well classification under Part 271 Subpart H.

N/A

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

RECEIVED
JAN 3 - 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 201-2001

Oil or Gas Well _____
(KIND)

Company J & J Enterprises

Address _____

Farm Marie Baughman

Well No. J.K. 803

District Phillips 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: Building locator.

Phillips
DISTRICT WELL INSPECTOR

12-27-83
DATE

